APPENDICES

APPENDIX A
PROGRAMMATIC AGREEMENT

AMONG THE UNITED STATES DEPARTMENT OF ENERGY, THE ADVISORY COUNCIL ON HISTORIC PRESERVATION, THE NEW MEXICO STATE HISTORIC PRESERVATION OFFICER AND THE INCORPORATED COUNTY OF LOS ALAMOS, NEW MEXICO, CONCERNING THE CONVEYANCE OF CERTAIN PARCELS OF LAND TO LOS ALAMOS COUNTY, NEW MEXICO

WHEREAS:

1. Section 632 of Public Law 105-119 (Public Law 105-119) directs the Secretary of Energy to convey to the Incorporated County of Los Alamos, New Mexico (County), or its designee, and to transfer to the Secretary of the Interior in trust for the Pueblo of San Ildefonso (Pueblo), certain parcels of federal land under the administrative control of the Secretary of Energy in the vicinity of Los Alamos National Laboratory.

2. The Department of Energy (DOE) has determined that the conveyance of certain parcels pursuant to Public Law 105-119 to the County may have adverse effects on properties that are eligible for inclusion in the National Register of Historic Places (Historic Properties), and has entered into consultation with the New Mexico State Historic Preservation Officer (SHPO) and the Advisory Council on Historic. Preservation (Council) in accordance with Section 106 of the National Historic Preservation Act, 16 U.S.C.470 et. seq. (Act), its implementing regulations (36 CFR Part 800). DOE, the SHPO, the Council and the County may also be referred to in this Programmatic Agreement (PA) collectively as "the Parties" or "the Consulting Parties" and individually as a "Party."

3. The DOE has identified ten parcels of real property for conveyance, and has performed historic property identification surveys for the ten parcels. All potential historic properties have been evaluated for eligibility to the National Register of Historic Places (Register). SHPO has concurred with these eligibility determinations. It has been determined that historic properties are located in the following eight Parcels: TA-74, DP Road, White Rock Y, White Rock, Airport, LAAO, Manhattan Monument, and Rendija Canyon (Historic Parcels).

4. The *Final Environmental Impact Statement for the Conveyance and Transfer of Certain Land Parcels Administered by the U.* S. *Department of Energy and Located at Los Alamos National Laboratory, Los Alamos and Santa Fe Counties, New Mexico,* 1998, (DOE/EIS-0293) describes the contemplated land use by the County for the White Rock, Airport, LAAO, and Rendija parcels as economic development, and the contemplated land use for the T*A*-74 and White Rock Y parcels to include cultural preservation, natural areas, transportation, and utilities.

5. The Pueblo and the Bureau of Indian Affairs have participated in the consultation, and have been invited to concur in this PA.

6. The Consulting Parties have agreed that the schedule of the activities associated with the

conveyance of Parcels is set forth in the Conveyance Agreement (Attachment C [draft to be completed]). Environmental restoration and conveyance activities are likely to affect Historic Properties. It is appropriate for the DOE in this PA to set forth processes for the treatment and management of historic properties identified in the *Cultural Resources Assessment for the Department of Energy Conveyance and Transfer Project,* LA-CP-00-179, and the *Historic Building Assessment for the Department of Energy Conveyance and Transfer Project,* LA-UR-OO-I03.

7. The Consulting Parties have considered the applicable requirements of the Act, the American Indian Religious Freedom Act, 42 U.S.C. 1996 et. seq. (AIRFA), Executive Order 13007, Native American Sacred Sites (EO 13007), the Native American Graves Protection and Repatriation Act (NAGPRA), New Mexico Unmarked Burial Statute (18-6-11.2, NMSA 1978), the Archeological Resources Protection Act, 16 U.S.C. 470aa et. seq. (ARPA) and Public Law 105-119 in the course of consultation.

NOW, THEREFORE, the parties agree that they will act in accordance with the following stipulations in order to take into account the effect of the land conveyance activities and plan on Historic Properties in accordance with the Act, AIRFA, EO 13007, NAGPRA, the New Mexico Unmarked Burial Statute (18-6-11.2, NMSA 1978), and ARPA.

STIPULATIONS

I. Transfer to Other Federal Agencies

Notwithstanding any other provision of this PA, it is understood that should the DOE transfer any portion of the parcels to the Bureau of Indian Affairs in trust for the Pueblo, the DOE will implement such transfers through the development of a separate Memorandum of Understanding between the participating parties.

II. The Manhattan Monument, the Department of Energy Los Alamos Area Office buildings (TA-43-39, 41), LANL Archives (TA-21-1001, 1002), and the Incinerator Building (TA-73-2) located on the Airport Parcel.

1. The Manhattan Monument is a contributing element to the National Historic Landmark District (NHL) that includes the Fuller Lodge and the Bathtub Row residences. The Manhattan Monument will be transferred in accordance with the requirements of the NHL designation.

2. The SHPO has concurred with the Register eligibility under criteria A and C for the Department of Energy Los Alamos Area Office Buildings (TA-43-39, 41), the LANL Archives (TA-21-1001-1002), and the eligibility of the incinerator building (TA-73-2 located at the Los Alamos County Airport. The Parties understand that these properties may be demolished after transfer to the County. Therefore, the DOE will ensure that any adverse effects to these eligible historic buildings will be resolved by implementing the proposed treatment of effects presented below (see Attachment D for expanded version of treatment of

effects agreement):

a. Documentation will be carried out according to standards of the Historic American Building Survey/Historic American Engineering Record (HABS/HAER), Level Two, with original LANL construction drawings substituted for new drawings, and medium format black and white photographs substituted for large format photography.
b. Prior to demolition, the interiors and exteriors of the four buildings will be photographed. Archival quality, medium format black and white photographs will be produced in accordance with the standards set forth in the Secretary of the Interior's Guidelines for Architectural and Engineering Documentation.
c. A complete set of LANL drawings for each property will be compiled. Available drawings and technical schematic plans will be submitted depicting the significant instrumentation historically housed in each property. Additionally, at each technical area, the overall site will be documented so that there will be a permanent archival record of the history and appearance of the area. Documentation will include maps showing the location of the TA-21, TA-43, and TA-73 properties relative to the entire Laboratory. Site maps will also be generated depicting, at a sufficient scale, the footprint of each eligible and non-eligible building or structure as they appear today. Additional overlays will be produced depicting the historic properties at each technical area and any previously removed properties that would have been associated with significant missions during the Cold War.
d. A written history will be prepared and will include a use history of the properties supplemented with information from oral interviews. This use history will include a discussion of each property's role at LANL, its historical significance, and a comparison of the administrative, security, and support missions carried out at these technical areas with similar missions historically conducted at other DOE Cold War facilities. A description of any specialized instrumentation housed in the properties and an evaluation of how this instrumentation contributed to the Cold War effort at Los Alamos will also be included.
e. Decontamination and decommissioning activities will commence only after drawings have been compiled and medium format photographs have been produced. A final report will be submitted to the SHPO after the decontamination and decommissioning phase is complete.
f. Copies of all documentation, including historical and architectural information, will be provided to the New Mexico SHPO. The New Mexico Archaeological Records Repository (ARMS) will be the designated repository. Original negatives will be curated at LANL's photographic archives.

3. Implement the proposed treatment of effects, including completing the historic building documentation, prior to the transfer of TA-43-39, 41, TA-211001-1002, and TA-73-2 to the County. Any revision to this PA will be recorded in accordance with Stipulation VIII.

4. Should it not be feasible to transfer the properties subject to Stipulation 11.2., the DOE will take the lead in consultation with the SHPO, the Council, and the County to ensure appropriate historic preservation measures are taken with regard to TA-43-39, 41, TA-21-

11O-1002, and TA-73-2 to resolve the adverse effects of the transfer. Any revision to this PA will be recorded in accordance with Stipulation VIII.

III. Land Conveyance Parcels TA-74 and White Rock Y

1. The portions of Parcels TA-74 and White Rock Y that contain Historic Properties will be nominated by DOE to the New Mexico State Register of Cultural Properties before conveyance to the County or its designee.

2. In the portions of Parcels TA-74 and White Rock Y that are to be conveyed to the County, or its designee, the DOE will undertake such conveyance in consultation with the SHPO, the County, the Pueblo, and other interested parties as relating to the following issues:
    a. Archaeological sites in Parcel TA-74 associated with the Ancestral Puebloan culture and identified as Register-eligible in the *Cultural Resource Assessment for the Department of Energy Conveyance* and *Transfer Project,* LA-CP-OO179 and concurred with by the SHPO in July, 2000, will be identified in the transfer documents as three.(3) archaeological preservation districts. The three archeological preservation districts are defined by the distribution of large, complex Ancestral Puebloan sites and made the subject of three (3) preservation easements as set forth in the sample document, Attachment A, and Figure A-I. These preservation easements will be included in the conveyance instrument pertaining to the real property containing the sites, developed in consultation with the County, and recorded in the real estate records of Santa Fe County, State of New Mexico, for the conveyance of such real property.
    b. Other archaeological Historic Properties in the TA-74 and White Rock Y Parcels that are not included in the archaeological preservation districts will be subject to New Mexico State Historic Preservation Laws and Regulations. Any objection regarding the development of such districts raised by a party to the DOE decision shall be resolved as specified in Stipulation X.

3. Should any traditional cultural property or cultural landscape of value to an Indian tribe or other social group be determined eligible for inclusion in the Register, through the DOE ongoing Traditional Cultural Properties consultation, the DOE will consult further with the SHPO, the Council, and the Indian Tribe(s), the County and others who ascribe value to the property, in accordance with 36 CFR 800.5(e), the requirements of the AIRFA and EO 13007, if applicable. If through this consultation process, the property is determined not to be Register eligible, the DOE may convey such property without further consultation with the Council and SHPO, but will consult further with the applicable Indian Tribe in accordance with AIRFA.

4. The DOE will evaluate any archaeological site or other possible Historic Property that has not already been evaluated, prior to conveying such site or property to a non-federal entity. If after consultation with the SHPO, the property is determined eligible for inclusion in the Register, the DOE will comply with 36 CFR 800, with respect to such property. If the property is determined not eligible on its own merits and is not a contributing element of a National Register of Historic Places District or Landmark, the DOE may transfer such

property without further consideration.

IV. Land Conveyance Parcels: Airport, White Rock, Rendija

The County portions of the parcels designated the Airport Tract, the White Rock Tract, and the Rendija Tract, described in the *Final Environmental Impact Statement for the Conveyance and Transfer of Certain Land Parcels Administered by the U.* S. *Department of Energy and Located at Los Alamos National Laboratory, Los Alamos and Santa Fe Counties, New Mexico,* 1998 (DOE/EIS-0293), as having the intended use of economic development, will be treated in the following manner:

1. DOE shall propose a representative sample of Historic Properties that will be subjected to archaeological data recovery prior to conveyance, in accordance with a scope of work developed in consultation with the SHPO, the County, Indian Tribes, and other interested parties, in accordance with the schedule set forth in this PA, and meeting the standards set forth in Attachment B.

2. Should any traditional cultural property or cultural landscape of value to an Indian tribe or other social group be determined eligible for inclusion in the Register, as stated in Stipulation III.3 above, the DOE will consult further with the SHPO, the Council, the Indian Tribe(s), the County and others who ascribe value to the property, in accordance with 36 CFR 800.5(e), giving particular attention to the requirements of the AIRFA and EO 13007, if applicable and Public Law 105-119. If the property is determined not eligible, the DOE may transfer such property without further consultation with the Council and SHPO, but will consult further with the applicable Indian Tribe and take such actions as are feasible and prudent to advance the purpose of the AIRFA.

3. If the DOE proposes to convey to the County any archaeological site or other possible Historic Property that has not yet been evaluated, the DOE will ensure that it is so evaluated in consultation with the SHPO. If the property is determined eligible for inclusion in the Register, the DOE will comply with 36 CFR 800, with respect to such property. If the property is determined to not be eligible on its own merits and is not a contributing element of a National Register District or Landmark, the DOE may transfer such property without further consideration.

V. Interim Protection of Historic Properties

While the property remains in DOE ownership, the DOE will comply with 36 CFR 800 with respect to any undertaking it proposes to carry out on the parcels.

VI. Reporting

The DOE shall ensure that reports on all activities carried out pursuant to this PA are provided to the Parties, in so far as such disclosure is not in violation of the Archaeological Resources Protection Act (ARPA) of 1979, 16 D.S.C. Section 470 hh.

VII. Qualification of Personnel

The DOE shall ensure that all archaeological surveys and Historic Property data recovery work pursuant to this agreement are carried out by or under the direct supervision of a person or persons meeting, at a minimum, the requirements for Archaeologist set for that Appendix C-l of DOE Regulation 420-40; also that any studies of traditional cultural properties are carried out by or under the direct supervision of a person or persons trained in cultural anthropology at a minimum consistent with the requirements of Appendix C-6 of DOE Regulation 420-40.

VIII. Amendments

1. The Parties may amend this PA, and any attachment hereto by signing an amendment document.

2. The DOE will ask any of the concurring parties to this PA whose interests may be affected by an amendment, to concur in such amendment.

3. Upon execution of the amendment, each Party will attach a copy of the fully executed amendment document to that Party's copy of this PA, and will enter the amendment number and date on the upper-right-hand corner of the first page of this PA.

IX. Scheduled Consultation

1. Implementation plans developed in accordance with this PA that have received final approval, shall be final for all purposes and shall not be subject to further revision or consultation except in accordance with the express provisions of this PA. Upon completion of the activities and treatments required by this PA, the Parties shall have taken into account the effect of the land conveyance activities and plans on historic properties in accordance with applicable law. No further activity or treatment shall be required prior to the conveyance of the properties in accordance with the conveyance agreement between the DOE and the County.

2. Twelve (12) months after this PA and annually thereafter until the Historic Parcels have been transferred in accordance with this PA, the DOE will invite the Parties to review implementation of this PA and to determine whether revisions are needed. If revisions are needed, the Parties will consult in accordance with 36 CFR Part 800 to make such revisions.

X. Dispute Resolution

1. Should any party object within 30 days to any plans or other documents provided by the DOE or others for review pursuant to this agreement or to any actions proposed or initiated by the DOE that may pertain to the terms of this agreement, the DOE shall consult with the objecting party to resolve the objection. If the DOE determines that the objection cannot be resolved, the DOE shall forward all documents relevant to the dispute to the Council. Within 30 days after receipt of all pertinent documents, the Council will either:
    a. Provide the DOE with recommendations, which the DOE will take into account in

reaching a final decision regarding the dispute; or

b. Notify the DOE that it will comment pursuant to 36 CFR 800.6(b), and proceed to comment. Any council comment provided in response to such a request will be taken into account by the DOE in accordance with 36 CFR 800.6(C)(2) with reference to the subject of the dispute.

2. Any recommendation or comment provided by the Council pursuant to Stipulation X.l will be understood to pertain only to the subject of the dispute; the DOE's responsibility to carry out all actions under this PA that are not the subject of the dispute will remain unchanged.

3. At any time during development of implementation plans for measures stipulated in this PA, should an objection to any such measure or its manner of implementation be raised by a member of the public, the DOE shall take the objection into account and consult as needed with the objecting party, the SHPO, other pertinent parties, and the Council to resolve the objection.

Execution and implementation of this PA evidences that the DOE has afforded the Council a reasonable opportunity to comment on the disposal of the Parcels, and that DOE has taken into account the effect of the undertaking on historic properties.

ADVISORY COUNCIL ON HISTORIC PRESERVATION

By: _____ Date: 6/14/02

(Ser) Executive Director

DEPARTMENT OF ENERGY

By: _____ Date: 5/29/02

THE NEW MEXICO STATE HISTORIC PRESERVATION OFFICER

By: _____ Date: 5/28/02

INCORPORATED COUNTY OF LOS ALAMOS, NEW MEXICO

By: _____ Date: 5-22-02

PUEBLO OF SAN ILDEFONSO

By: _____ Date: 8-13-02

ATTACHMENT A:
STANDARD PRESERVATION EASEMENT FOR ARCHAEOLOGICAL SITES

Sample Document Subject to Change

In consideration of the conveyance of the real property that includes the [name of archaeological sites] located in the County of Santa Fe, State of New Mexico, which is more fully described as: [Insert legal description of Archaeological Districts.] [Name of property recipient] hereby agrees (?) on behalf of [himself/herself/itself], [his/her/its] heirs, successors, and assigns at all times to the [name of agency of organization] and the New Mexico State Historic Preservation Officer to maintain and preserve the [name of archaeological site] as follows:

1. No disturbance of the ground surface or any other thing shall be undertaken or permitted to be undertaken on [name or archaeological site] that would affect the physical integrity of the [name of archaeological site] without the express prior written permission of the [name of agency or organization], signed by a fully authorized representative thereof. The [name of agency or organization] may require, as a condition of the granting of such permission, that the [name of recipient] conduct archaeological data recovery operations or other activities designed to mitigate the adverse effect of the proposed activity on the [name of archaeological site]. In the event that such a requirement is made, the [name of recipient] shall at [his/her/its] own expense conduct such activities in accordance with the Secretary of the Interior's Standards and Guidelines for Archaeological Documentation (48 FR 44734-37) and such standards and guidelines as the [name of agency or organization] specify. Standards and guidelines may include but will not be limited to those with research design, conduct of field work, conduct of analysis, preparation and dissemination of reports, disposition of artifacts and other materials, consultation with Native American or other organizations, and reinterment of human remains.

2. [Name of recipient] shall make every reasonable effort to prohibit any person from vandalizing or otherwise disturbing the [name of archaeological site], and shall promptly report any such disturbance to the [name of agency or organization].

3. The [name of agency or organization] shall be permitted at all reasonable times to inspect [name of archaeological site] in order to ascertain if the above conditions are being observed.

4. In the event of a violation of this easement, and in addition to any remedy now or hereafter provided by law, the [name of agency or organization] will take all feasible steps to remedy the violation in a timely manner, and may, follow reasonable notice to [name of recipient], institute suit to enjoin said violation in a timely manner, and may, following reasonable notice to [name of recipient], institute suit to enjoin said violation or to require the restoration of [name of archaeological site]. The [name of agency or organization] if successful shall be entitled to recover all costs or expenses incurred in connection with such a suit, including all court costs and attorney's fees.

5. [Name of recipient] agrees that the [name of agency or organization] may at his discretion, without prior notice to [name of recipient], convey and assign all or part of its rights and responsibilities contained herein to a third party.

6. This easement is binding on [name of recipient], [his/her/its] heirs, successors, and assign in perpetuity. Restrictions, stipulations, and easements contained herein shall be inserted by [name of recipient] verbatim or by express reference in any deed or other legal instrument by which [he/she/it] divests [himself/herself/itself] of either the fee simple title or any other lesser estate in [name of archaeological site] or any part thereof.

7. The failure of [name of agency or organization] to exercise any right or remedy granted under this instrument shall not have the effect of waiving or limiting the exercise of any other right or remedy or the use of such right or remedy at any other time.

8. This easement is granted pursuant to the New Mexico Cultural Properties Preservation Easement Act, ss 47-12.A-l et seq., NMSA 1978

The easement shall be a binding servitude upon the real property that includes the [name of archaeological site] and shall be deemed to run with the land. Execution of this easement shall constitute conclusive evidence that [name of recipient] agrees to be bound by the foregoing conditions and restrictions and to perform to obligations herein set forth.

ATTACHMENT B: DATA RECOVERY STANDARDS

1. Archaeological data recovery shall be carried out in accordance with a data recovery plan developed in consultation with the New Mexico SHPO, the County, and any Indian tribe(s) that ascribe cultural value to the site. The data recovery plan shall be consistent with the Secretary of the Interior's Standards and Guidelines for Archaeological Documentation (48 FR 44734-37) and pertinent standards and guidelines of the New Mexico SHPO, and shall take into account the Council's publication, Treatment of Archaeological Properties, subject to any pertinent revisions the Council may make in the publications prior to completion of the data recovery plan. The plan shall specify, at a minimum:
    a. The property, properties, or portions where data recovery is to be carried out;
    b. Any property, properties, or portions of properties that will be transferred without data recovery, and the rationale for doing so;
    c. The research questions to be addressed through the data recovery, with an explanation of their relevance and importance;
    d. The field work methods to be used, with an explanation of their relevance to the research questions;
    e. The methods to be used in analysis, with an explanation of their relevance to the research questions;
    f. The methods to be used in data management and dissemination of data. including a schedule;
    g. The manner in which recovered materials will be disposed of. shall be in a manner consistent with Federal law regarding disposition of archeological materials and recovered human remains;
    h. The manner in which field notes and other records of field work and analysis will be preserved and disposed of;
    i. The methods to be used to involve the interested public in the data recovery;
    j. The methods to be used in disseminating results of the work to the interested public;
    k. The methods by which any Indian tribe that ascribes cultural value to the site, the County, and other parties with special interests in the property, if any, will be kept informed of the work and afforded the opportunity to participate; and
    l. The schedule for the submission of progress reports and final reports to the New Mexico SHPO, the County and others.

2. Records of data recovery field work and analysis shall be retained in an archive or other curatorial facility approved by the New Mexico SHPO and disseminated as appropriate to facilitate research and management without unduly endangering historic properties.

3. Material recovered from data recovery projects shall be curated in accordance with 36 CFR Part 79, except that human remains and artifacts associated with graves shall be treated in conformance with the Native American Graves Protection and Repatriation Act (NAGPRA) of 1990.

ATTACHMENT C
Schedule of Transfers
Conveyance Agreement

Designator	Description	Recipient	Transfer Date
A-1	Manhattan Monument (0 ac.)	County	3/31/02
A-2	Site 22 (0 c.)	County	3/31/02
B-1	White Rock-2	Pueblo	3/31/02
A-12	LAAO-1 (East)	County	6/30/02
A-17	TA-74-1 (West) (3 ac.)	County	6/30/02
B-4	White Rock "Y"-3 (N. of Hwy)	Pueblo	6/30/02
A-3	Airport-1 (East) (8 ac.)	County	9/30/02
A-6	Airport-4 (West)	County	9/30/02
A-9	DP Road-2 (North) (Tank Farm) (4 ac.)	County	9/30/02
A-19	White Rock-1	County	9/30/02
B-2	TA-74-3 (North)	Pueblo	9/30/02
C-1	White Rock	Highway	9/30/02
C-2	White Rock "Y"-1	Highway	9/30/02
A-18	TA-74-2 (South)	County	3/31/03
B-3	TA-74-4 (Middle) (Little Otowi)	Pueblo	3/31/03
A-7	Airport-5 (Central) (7 ac.)	County	9/30/03
A-8	DP Road-1 (South) (25 ac.)	County	9/30/03
A-15	TA-21-1 (West)	County	9/30/03
A-13	LAAO-2 (West) (LAAO Bldg)	County	9/30/04
A-4	Airport-2 (North) (90 ac.)	County	9/30/05
A-10	DP Road-3 (East)	County	9/30/05
A-11	DP Road-4 (West) (Archives)	County	9/30/06
A-14	Rendija	County	9/30/07
A-5	Airport-3 (South) (withheld)	County	None
A-16	TA-21-2 (East) (withheld)	County	None
A-20	White Rock "Y"-2 (withheld)	County	None
C-3	White Rock "Y"-3 (withheld)	Highway	None
C-4	White Rock "Y"-4 (withheld)	Highway	None

ATTACHMENT D

Memorandum of Agreement Between The Department of Energy and The New Mexico Historic Preservation Division Regarding the Transfer of Buildings 1001 and 1002, Technical Area 21; Buildings 39 and 41, Technical Area 43; and Building 2, Technical Area 73, Los Alamos National Laboratory

WHEREAS, the U.S. Department of Energy, Office of Los Alamos Site Operations (DOE/OLASO), proposes to transfer four early Cold War era properties at Technical Areas (TAs) 21, 43, and 73, Los Alamos National Laboratory, Los Alamos, New Mexico, to the County of Los Alamos; and

WHEREAS, the DOE/OLASO has determined that the proposal constitutes an undertaking, as described in Section 106 of the National Historic Preservation Act (16 V.S.C. 4701); and

WHEREAS, the DOE/OLASO has determined that the undertaking will have an adverse effect upon properties that are eligible for inclusion in the National Register of Historic Places; and

WHEREAS, in accordance with Section V.G. of the Programmatic Agreement for the Management of Historic Properties at Los Alamos National Laboratory, (MOD DEGM32-00AL 77152), the DOE/OLASO has consulted with the New Mexico Historic Preservation Division and its representative, the State Historic Preservation Officer (SHPO), concerning this undertaking; and

WHEREAS, the DOE/OLASO intends to use the provisions of this Memorandum of Agreement to address applicable requirements of Section 110(b) of the National Historic Preservation Act.

NOW, THEREFORE, DOE/OLASO and the SHPO agree that, upon DOE/OLASO's decision to proceed with the property transfer, the undertaking shall be implemented in accordance with the following stipulations in order to take into account the effects of the undertaking on historic properties.

Stipulations

DOE/OLASO will ensure that any adverse effects to these eligible historic buildings will be resolved by implementing the proposed treatment of effects presented below. Documentation conducted under stipulations 1 and 2 will be carried out according to standards of the Historic American Building Survey/Historic American Engineering Record (HABS/HAER), Level Two, with original LANL construction drawings substituted for new drawings, and medium format black and white photographs substituted for large format, when appropriate.

1. Prior to demolition, the interiors and exteriors of the four buildings will be photographed. Archival quality, medium format black and white photographs will be produced in accordance with the standards set forth in the Secretary of the Interior's Guidelines for Architectural and Engineering Documentation.

2. A complete set of LANL drawings for each property will be compiled. Available drawings

and technical schematic plans will be submitted depicting the significant instrumentation historically housed in each property. Additionally, at each technical area, the overall site will be documented so that there will be a permanent archival record of the history and appearance of the area. Documentation will include maps showing the location of the TA-21, TA-43, and TA-73 properties relative to the entire Laboratory. Site maps will also be generated depicting, at a sufficient scale, the footprint of each eligible and non-eligible building or structure as they appear today. Additional overlays will be produced depicting the historic properties at each technical area and any previously removed properties that would have been associated with significant missions during the Cold War.

3. A written history will be prepared and will include a use history of the properties supplemented with information from oral interviews. This use history will include a discussion of each property's role at LANL, its historical significance, and a comparison of the administrative, security, and support missions carried out at these technical areas with similar missions historically conducted at other DOE Cold War facilities. A description of any specialized instrumentation housed in the properties and an evaluation of how this instrumentation contributed to the Cold War effort at Los Alamos will also be included.

4. Decontamination and decommissioning activities will commence only after drawings have been compiled and medium format photographs have been produced. A final report will be submitted to the SHPO after the decontamination and decommissioning phase is complete.

5. Copies of all documentation, including historical and architectural information, will be provided to the New Mexico SHPO. The New Mexico Archaeological Records Repository (ARMS) will be the designated repository. Original negatives will be curated at LANL's photographic archives.

Execution of this Memorandum of Agreement between DOE/OLASO and the New Mexico SHPO will verify that DOE/OLASO has considered the effects of the property transfer on these historic properties and implemented the proposed treatment of effects.

U.S. Department of Energy/Office of Los Alamos Site Operations

By:_____ date _____
Corey Cruz, Area Manager

New Mexico State Historic Preservation Officer

By:_____ date _____
Elmo Baca, SHPO

Amendment 1 to Stipulation IV.1 of the Programmatic Agreement among the United States Department of Energy, the Advisory Council on Historic Preservation, the New Mexico State Historic Preservation Officer and the Incorporated County of Los Alamos, New Mexico, concerning the conveyance of certain parcels of land to Los Alamos County, New Mexico.

It is agreed by the undersigned parties that in the event that the archaeological data recovery (excavation) activities being conducted by DOE/NNSA cannot be completed by the proposed transfer dates for the Airport, White Rock, and Rendija Parcels, the parcels shall be transferred to the Incorporated County of Los Alamos and DOE/NNSA will continue the data recovery activities to completion. DOE/NNSA shall provide written notice to the parties of completion of the excavations which is anticipated by the end of calendar 2002. During this time period, all archaeological sites under investigation shall be subject to the full protection of Section 106 of the Act.

Ralph E. Erickson, Director — Date 10/11/02
DOE/NNSA Los Alamos Site Office

Mary McInerny, County Administrator — Date 10/9/02
Incorporated County of Los Alamos

Jan Biella, Interim New Mexico State — Date 10/15/02
Historic Preservation Officer

APPENDIX B

MODERN POLLEN ANALOG STUDY: PLANT SPECIES LISTS AND SITE DESCRIPTION NOTES

Teralene Foxx

All visits were made on June 12, 2002. Field personnel included Susie Smith, Brad Vierra, David Barsanti, and Teralene Foxx. The purpose for the site visits was to collect elevation gradient pollen samples.

SITE 1

Plant Community: Piñon-Juniper

Location: Off State Route 4 to the east side of the road, south of White Rock and Pajarito Acres

GPS: RO 612 16A

General Characteristics: The site is about 50 percent juniper (*Juniperus monosperma*) and Colorado Piñon (*Pinus edulis*). After months of drought plants are showing a great deal of stress: shrubs have not leafed. Cover is approximately 5 percent grass with bare ground 80 percent. Only about 15 percent cover of tree canopy.

Soils: Shallow soils, sandy, with exposed Bandelier tuff.

Plants

Trees
One-seed Juniper (*Juniperus monosperma*)
Colorado piñon (*Pinus edulis*)
Forbs:
Prickly pear cactus (*Opuntia spp*.)
Golden weed *(Heterotheca sp*p.)
Scarlet gilia (*Ipomopsis aggregata*)
Antelope sage (*Eriogonum jamesii*)
Thymeleaf spurge (*Euphorbia seryllifolia*)
Wormwood *Artemisia ludoviciana*
False terragon *(Artemisia dracunculus)*

Grass
Little bluestem (*Schizachyrium scoparius*)
Blue grama (*Bouteloua gracilis*)

Shrubs
Mountain mahogany (*Cercocarpus montanus*)
Apache plume (*Fallugia paradoxa*)
Lemonadeberry (*Rhus trilobata*)
Broadleaf yucca (*Yucca baccata*)
Scrub oak (*Quercus* spp.)

SITE 2: PL2

Plant Community: Disturbance: old fields, old road, other activities

Location: Off State Route 4 to the east side of the road, across from TA-39

GPS: RO 612 17A

General Characteristics: This site is part of a canyon bottom floodplain with the perimeter of ponderosa pine and some juniper. North facing slope. Gophers.

Soils: Sandy soils

Plants

Trees
Ponderosa pine
One-seed juniper

Forbs
Sweetclover (*Melilotus* spp.)
Summercyperus (*Kochia scoparia*)
Blazingstar (*Mentzelia* spp.)
Lupine (*Lupinus caudatus*)
False terragon
Wormwood (*Artemisia carruthii*)
Mullein (*Verbascum thapsus*)
Penstemon (*Penstemon* spp.)
Ponymint (*Monarda pectinata*)
Wild buckwheat (*Eriogonum cernuum*)
Wild buckwheat (*Eriogonum racemosum*)

Grass
Sand dropseed (*Sporobolus* spp.)

Shrubs
Chamisa (*Chrysothamnus nauseosus*)

SITE 3: PL3

Plant Community: Piñon-juniper west of the Bandelier entrance and south of the road.

Location: West of the Bandelier entrance and south of the road

GPS: RO 612 17b

General Characteristics: Deep soils, Juniper 10 percent and Piñon 80 percent; Cover 65 percent trees, grasses are 25 percent of the understory

Soils: Deep soils

Plants:

Trees
One seed juniper
Colorado piñon

Forbs
False terragon
Wormwood
Purple owlclover (*Orthocarpus purpureo-albus*)
Bitterweed (*Hymenoxys richardsoni*)
Snake weed (*Gutierrezia sarothrae*)

Grass
Bluegrass (*Poa fendleriana*)
Bluegramma

Shrubs
Lemonadeberry

SITE 4: PL4

Plant Community: Ponderosa Pine

Location: Pond outside of fence at TA-16

GPS: RO 612 18A

General Characteristics: This pond was associated with the ice house. It presently is dry and was affected by a flood after the Cerro Grande Fire. The pond is filled with wheatgrass and rimmed by Ponderosa pine.

Cerro Grande Fire took place May 5-15, 2000. There were floods from the watershed in July after the monsoon rains.

Soils: Deep soils

Plants

Trees
Ponderosa pine
Aspen (*Populus tremuloides* sprout)

Forbs
wild onion (*Allium cernuum*)
Mullein
Cinquefoil (*Potentilla* spp.)
Bitterweed
Groundsel (*Senecio* spp.)
Yarrow (*Achillea lanulosa*)
Horseweed (*Conyza canadensis*)
Domestic iris
Fleabane daisy (*Erigeron divergens*)
Cinquefoil (*Potentilla* spp.)

Grass
Little bluestem
June grass (*Koleria cristata*)
Mountain muhly (*Muhlenbergia montanus*)
Squirreltail (*Sitanion hystrix*)
Western wheatgrass (*Agropyron smithii*)
Brome (*Bromus* spp.)
Fendler barberry (*Berberis fendleri*)

Shrubs
New Mexico locust (*Robinia neomexicana*)
Gambel oak (*Quercus gambelii*)
Wild rose (*Rosa* spp.)
Common juniper (*Juniperus communis*)

SITE 5: PL5

Plant Community: Ponderosa Pine

Location: Near Pond outside of fence at TA-16

GPS: RO 612 18b

General Characteristics: The area has both rotten low cut and high cut stumps. The low cut stumps may stem from thinning done after the 1977 La Mesa Fire. High cut stumps for homestead days. There is a thick layer of needs on the ground. The ponderosa pine cover is approximately 70 percent.

Cerro Grande Fire took place May 5-15, 2000. There were floods from the watershed in July after the monsoon rains.

Soils: Deep soils, thick layer of needles on ground.

Plants

Trees
Ponderosa pine

Forbs:
Pussytoes (*Antennaria parviflora*)

Grass
Junegrass
Mountain muhly
Squirreltail

Shrubs
Gambel oak
Fendler barberry
Buckbrush (*Ceaonothus fendleri*)

SITE 6: PL6

Plant Community: Ponderosa Pine, burned

Location: Intersection of St R. 502 and Ski hill road

GPS: RO 612 19a

General Characteristics. Area previously thinned.

Cerro Grande Fire took place May 5-15, 2000. There were floods from the watershed in July after the monsoon rains.

Soils: Deep soils, thick layer of needles on ground.

Plants

Trees
Ponderosa Pine (cover 50%)
Russian olive is about ¼ mile upslope

Forbs
Summer cypress
Aster spp.
Goldenrod (*Solidago* spp.)
Pussytoes
Bitterweed

Grass
June grass
Little bluestem
Mountain muhly

Shrub
New Mexico locust
Lemonade berry
Gambel oak

SITE 7: PL 7

Plant Community: Limber pine site

Location: Up ski hill road

GPS: RO 612 20 A

General Characteristics. Rocky south facing slope with 30 percent Limber pine, 40 percent Ponderosa pine, 10 percent Douglas fir

Soils: Rocky with tuff bedrock, sandy grus-like soils

Plants

Trees
Limber pine (*Pinus flexlis*)
Ponderosa pine
Douglas fir (*Psuedotsuga menzieii*)

Forbs
Penstemon spp.

Wild geranium (*Geranium* spp. Probably Caespitosum)

Grass
Mountain muhly
June grass
Pinedropseed (*Blepharoneuron tricholepis*)

Shrubs
Gambel oak
New Mexico locust
Mountain's lover (*Pachystima myrsinites*)
Bearberry (*Archtostaphylos uva-ursi*)

SITE 8: PL8

Plant Community: Mixed Conifer

Location: Up ski hill road

GPS: RO 612

General Characteristics: Just above the ski lodge off road to the left, before going up road to Camp May. Dense stand of aspen, Douglas fir and white fir: Douglas fir 75 percent, White fir 1 percent, Aspen 10 percent.

Plants

Trees
Aspen (*Populus tremuloides*)
Douglas fir
White fir (*Abies concolor*)
Rocky Mountain maple (*Acer glabrum*)

Forbs
Geranium spp.
American vetch (*Vicia americana*)
Wild strawberry (*Fragaria americana*)
Wild onion
Canadian violet (*Viola canadensis*)
Violet (*Viola* (blue) spp.
Cinquefoil (*Potentilla* spp.)
Meadowrue (*Thalictrum fendleri*)
Yarrow
Dandelion (*Taraxicum officinale*)
Shooting star (*Dodecatheon* spp.)

Bedstraw (*Galium* spp.)
Bluntseed sweet cicely (*Osmorhiza obtuse*)
Golden pea (*Thermopsis pinetorum*)

Grass
Brome (*Bromus* spp.)
Sedges

Shrubs
Baneberry (*Actaea arguta*)

SITE 9: PL9

Plant Community: High elevation meadows

Location: Up ski hill road, Camp May

GPS: RO 612 20 c

General Characteristics: Open meadow overgrown by meadow grasses

Plants

Trees
Blue spruce (*Picea engelmanni*)
Douglas fir
Aspen

Forbs
Potentilla spp.
Louisiana wormwood (*Artemisia ludoviciana*)
Mountain parsley (*Psuedocymoptris montanus*)
Dandelion
Thistle (*Cirsium* spp.)
Blue flag *(Iris missouriensis*)
Bracken fern

Grass
Timber oatgrass (*Danthonia intermedia*)

Shrubs
Elderberry (*Sambucus microbothrys*)
Raspberry (*Rubus strigosus*)

SITE 10: PL 10

Plant Community: Pueblo Canyon Sewage Effluent area

Location: Pueblo Canyon road

GPS: RO 612 21A

General Characteristics: Sewage effluent area was dry and no cattails although historically there had been cattails along the area.

Plants

Trees
Ponderosa pine
Piñon
Juniper
Russian Olive

Forbs
Mullein
False terragon

Grass
Orchard grass (*Dactylis glomerulata*)

Shrubs
Lemonade berry
Big sagebrush (*Artemisia tridentata*)
New Mexico olive (*Forestierra neomexicana*)
Chamisa

Site 11: PL11

Plant Community: Piñon juniper, ponderosa pine

Location: Pueblo Canyon

GPS: RO 612

General Characteristics: Open meadow overgrown by meadow grasses. 40 percent juniper, 20 percent piñon, 10 percent Ponderosa pine

Plants

Trees
Piñon
Juniper
Ponderosa pine

Forbs
Prickly pear cactus (*Opuntia* spp.)
False terragon

Grass
Blue grama
Littleseed ricegrass (*Oryzopsis micrantha*)
Ring muhly (*Muhlenbergia torreyi*)

Shrubs
Lemonade berry
Big sagebrush

SITE 12: PL12

Plant Community: Riparian zone

Location: Los Alamos Canyon upstream from the Ice Skating Rink

GPS: RO 612

General: Dense stand of mixed conifer next to stream. Stream is dry at this time but usually flows in wetter years.

Plants

Trees
Douglas Fir
Birch (*Betula*) or Alder (*Alnus*)
Ponderosa pine
Narrowleaf cottonwood (*Populus angustifolia*)
New Mexico Maple

Forbs
Dandelion
Thistle

Grass
Mountain muhly
Brome (*Bromus* spp.)
Sand dropseed

Vines
Virginia creeper (*Parthenocissus inserta*)
Clematis (*Clematis pseudoalpina*)

Shrubs
Wild rose (*Rosa* spp.)
Gambel oak
Fendler barberry
Jamesia Americana
Wax currant (*Ribes cernuum*)
Mock orange (*Philadelphus microphyllus*)
Willow (*Salix* spp.)
New Mexico locust

APPENDIX C
LOS ALAMOS MODERN POLLEN ANALOG STUDY

Susan J. Smith

Table C.1. Raw Pollen Counts from 20 Stations (x notes scan identified taxa).

Pollen Station Number		1	2	3	4	5	6	7	8	9
Sample Number		1C	2B	3A	4B	5C	6C	7B	8B	9A
Pollen Sum		343	346	328	261	318	316	319	302	357
Tracers		7	7	10	12	8	3	1	7	86
Sample Volume		20	20	20	20	20	20	20	20	20
Sample Weight grams		26.1	23.9	23.8	13.4	14.5	21.6	18.0	9.2	18.0
Pollen Concentration gr/gm		47092.6	51877.3	34569.5	40714.7	68764.8	122323.2	444544.2	117629.9	5784.9
Pollen Concentration gr/cc		61455.8	61993.3	41137.8	27278.9	49854.5	132109.1	400089.8	54109.8	5206.4
Pollen Taxa Richness		14	20	13	11	15	15	16	20	15
Charcoal as % of slide matrix		<10	<10	<10	20-30	10-20	<10	<10	<10	10-20
Common Name	**Taxa Name**									
Degraded	Degraded	12	10	9	6	6	3	11	8	30
Unknown	Unknown	5	4	2	1	5	1	1	0	6
Douglas Fir	Pseudotsuga	0	X	0	0	0	0	1	2	0
Spruce	Picea	X	0	0	0	0	2	1	17	0
Fir	Abies	1	6	2	20	12	17	22	32	13
Pine	Pinus	74	63	93	110	188	213	163	133	95
Piñon	Piñon	63	22	37	86	43	21	62	40	17
Juniper	Juniperus	122	46	106	4	6	7	12	9	40
Oak	Quercus	15	3	2	5	8	3	8	9	6
Large Haploxylon Pine	Pinus Haploxylon >70 μm	0	0	0	1	0	0	0	1	1
Caprifoliaceae	Caprifoliaceae, cf. Symphoricarpos	0	0	0	0	0	0	0	1	0
Cliffrose, Mtn. Mahogany type	Rosaceae, Cercocarpus/Purshia type	3	4	2	0	4	3	1	1	13
Buckthorn Family	Rhamnaceae	0	0	0	0	0	0	0	0	0
Other Rose Family	Roseaceae	0	0	0	0	0	0	0	3	0
Lemonadeberry	Rhus	0	0	0	0	1	0	1	0	0
Mormon Tea	Ephedra	2	2	0	0	0	0	0	1	6
Sagebrush	Artemisia	4	5	3	4	9	5	1	9	10
Mistletoe	Loranthaceae	0	0	0	0	0	3	2	0	0

Pollen Station Number		1	2	3	4	5	6	7	8	9
Sample Number		1C	2B	3A	4B	5C	6C	7B	8B	9A
Pollen Sum		343	346	328	261	318	316	319	302	357
Tracers		7	7	10	12	8	3	1	7	86
Sample Volume		20	20	20	20	20	20	20	20	20
Sample Weight grams		26.1	23.9	23.8	13.4	14.5	21.6	18.0	9.2	18.0
Pollen Concentration gr/gm		47092.6	51877.3	34569.5	40714.7	68764.8	122323.2	444544.2	117629.9	5784.9
Pollen Concentration gr/cc		61455.8	61993.3	41137.8	27278.9	49854.5	132109.1	400089.8	54109.8	5206.4
Pollen Taxa Richness		14	20	13	11	15	15	16	20	15
Charcoal as % of slide matrix		<10	<10	<10	20-30	10-20	<10	<10	<10	10-20
Common Name	**Taxa Name**									
Maple	Acer	0	0	0	0	0	0	0	1	0
Walnut	Juglans	0	0	0	0	0	0	0	0	0
Birch	Betula	0	0	0	0	0	0	0	0	0
Willow	Salix	0	0	0	0	2	0	0	0	0
Yucca	Lily Family	0	0	0	0	0	1	0	0	0
Prickly Pear	Opuntia	0	0	0	0	0	0	0	0	0
Greasewood	Sarcobatus	0	0	0	0	0	0	0	0	0
Cheno-Am	Cheno-Am	16	75	27	8	15	18	14	12	32
Sunflower Family	Asteraceae	13	64	29	6	7	12	2	6	23
Chicory Tribe	Liguliflorae	0	0	0	0	0	0	0	1	22
Bursage/Ragweed type	Ambrosia	5	12	3	2	4	2	5	7	2
Thistle	Cirsium	0	5	4	0	0	3	0	0	0
Long Spine type	cf. Helianthus	0	8	0	0	0	0	0	0	0
Broad Spine type	Unknown Sunflower Family cf. Dicoria type	0	0	0	0	0	0	0	0	0
Grass Family	Poaceae	5	6	5	8	5	1	10	8	38
Large Grass type	Large Poaceae	0	0	0	0	0	0	0	0	0
Buckwheat	Eriogonum	0	1	0	0	0	0	0	0	0
Purslane	Portulaca	0	X	0	0	0	0	0	0	0
Spurge Family	Euphorbiaceae	1	2	1	0	2	0	1	0	2
Mustard Family	Brassicaceae	0	6	0	0	1	0	0	1	0
Globemallow	Sphaeralcea	0	0	0	0	0	0	0	0	0
Evening Primrose	Onagraceae	0	0	0	0	0	0	0	0	0

Pollen Station Number		1	2	3	4	5	6	7	8	9
Sample Number		1C	2B	3A	4B	5C	6C	7B	8B	9A
Pollen Sum		343	346	328	261	318	316	319	302	357
Tracers		7	7	10	12	8	3	1	7	86
Sample Volume		20	20	20	20	20	20	20	20	20
Sample Weight grams		26.1	23.9	23.8	13.4	14.5	21.6	18.0	9.2	18.0
Pollen Concentration gr/gm		47092.6	51877.3	34569.5	40714.7	68764.8	122323.2	444544.2	117629.9	5784.9
Pollen Concentration gr/cc		61455.8	61993.3	41137.8	27278.9	49854.5	132109.1	400089.8	54109.8	5206.4
Pollen Taxa Richness		14	20	13	11	15	15	16	20	15
Charcoal as % of slide matrix		<10	<10	<10	20-30	10-20	<10	<10	<10	10-20
Common Name	**Taxa Name**									
Pea Family	Fabaceae	0	1	0	0	0	0	0	0	0
Figwort Family	Scrophulariaceae	0	0	0	0	0	0	0	0	0
Knotweed	Polygonum viva?	0	0	0	0	0	0	0	0	0
Four O'Clock Family	Nyctaginaceae	0	0	0	0	0	0	0	0	0
Cattail	Typha latifolia	0	0	0	0	0	0	0	0	0
Russian Olive	Elaeagnaceae	0	0	0	0	0	0	0	0	0
Total Aggregates		2	1	3	0	0	1	1	0	1
Pine Aggregates		1(20+)	0	2(8+)	0	0	1(20+)	X(8)	0	1(10)
Piñon Aggregates		1(6)	0	0	0	0	0	0	0	0
Grass Aggregates		0	0	1(4)	0	0	0	1(6)	0	0
Juniper Aggregates		0	1(15+)	0	0	0	0	0	0	0
Oak Aggregates		0	0	0	0	0	0	0	0	0
Sunflower Family Aggregates		0	0	0	0	0	0	0	0	0
Cheno-Am Aggregates		0	0	0	0	0	0	0	0	0

* Pollen Aggregate data shown as number of aggregates, and in parentheses, the number of grains in the largest aggregate

Table C.1 (continued). Raw Pollen Counts from 20 Stations (x notes scan identified taxa).

Pollen Station Number		10	11	12	17	18	19	25	26	27
Sample Number		10C	11A	12C	17B	18	19A	25	26	27
Pollen Sum		355	348	321	364	323	300	332	319	383
Tracers		16	4	1	5	2	13	14	26	3
Sample Volume		20	20	20	20	20	20	20	20	20
Sample Weight grams		17.6	23.6	25.7	27.4	26.3	26.6	12.3	27.0	14.9
Pollen Concentration gr/gm		31622.2	92470.7	24100.5	66646.5	154032.9	21761.7	48070.4	11398.6	214925.5
Pollen Concentration gr/cc		27827.6	109115.4	30969.1	91305.8	202553.3	28943.1	29563.3	15388.1	160119.5
Pollen Taxa Richness		13	13	15	15	22	16	17	17	16
Charcoal as % of slide matrix		30-40	<10	<10	<10	10-20	<10	20-30	<10	20-30
Common Name	**Taxa Name**									
Degraded	Degraded	13	8	5	7	6	3	7	26	3
Unknown	Unknown	1	1	3	6	3	0	1	14	0
Douglas Fir	Pseudotsuga	0	0	2	0	X	0	0	0	0
Spruce	Picea	0	2	2	0	1	X	5	0	1
Fir	Abies	6	8	109	10	6	6	16	2	7
Pine	Pinus	182	184	139	127	137	151	172	67	232
Piñon	Piñon	47	36	23	80	46	48	59	24	64
Juniper	Juniperus	9	46	11	36	12	52	8	34	12
Oak	Quercus	6	6	4	29	39	7	19	5	16
Large Haploxylon Pine	Pinus Haploxylon >70 µm	0	0	2	0	1	1	0	0	0
Caprifoliaceae	Caprifoliaceae, cf. Symphoricarpos	0	0	0	0	0	0	0	0	0
Cliffrose, Mtn. Mahogany type	Rosaceae, Cercocarpus/Purshia type	5	0	0	3	0	2	0	3	3
Buckthorn Family	Rhamnaceae	0	0	0	0	1	0	0	0	0
Other Rose Family	Roseaceae	0	0	0	0	3	0	0	0	0

Pollen Station Number		10	11	12	17	18	19	25	26	27
Sample Number		10C	11A	12C	17B	18	19A	25	26	27
Pollen Sum		355	348	321	364	323	300	332	319	383
Tracers		16	4	1	5	2	13	14	26	3
Sample Volume		20	20	20	20	20	20	20	20	20
Sample Weight grams		17.6	23.6	25.7	27.4	26.3	26.6	12.3	27.0	14.9
Pollen Concentration gr/gm		31622.2	92470.7	24100.5	66646.5	154032.9	21761.7	48070.4	11398.6	214925.5
Pollen Concentration gr/cc		27827.6	109115.4	30969.1	91305.8	202553.3	28943.1	29563.3	15388.1	160119.5
Pollen Taxa Richness		13	13	15	15	22	16	17	17	16
Charcoal as % of slide matrix		30-40	<10	<10	<10	10-20	<10	20-30	<10	20-30
Common Name	**Taxa Name**									
Lemonadeberry	Rhus	0	0	0	0	0	0	0	0	0
Mormon Tea	Ephedra	0	0	1	2	0	0	1	0	0
Sagebrush	Artemisia	5	20	2	6	13	3	11	16	12
Mistletoe	Loranthaceae	0	0	1	0	0	0	0	0	0
Maple	Acer	0	0	0	0	0	0	0	0	0
Walnut	Juglans	0	0	0	0	0	1	0	0	0
Birch	Betula	0	0	3	0	0	0	0	0	2
Willow	Salix	0	0	0	0	0	0	1	0	0
Yucca	Lily Family	0	0	0	0	0	0	0	0	0
Prickly Pear	Opuntia	0	X	0	X	0	X	0	0	0
Greasewood	Sarcobatus	0	0	0	0	0	0	1	0	2
Cheno-Am	Cheno-Am	20	15	4	11	9	7	3	50	9
Sunflower Family	Asteraceae	17	14	0	33	19	11	11	50	9
Chicory Tribe	Liguliflorae	0	0	0	0	0	0	1	0	0
Bursage/Ragweed type	Ambrosia	18	2	6	4	9	2	5	0	4
Thistle	Cirsium	0	0	0	0	1	0	0	2	0
Long Spine type	cf. Helianthus	0	0	0	1	2	0	0	3	0
Broad Spine type	Unknown Sunflower Family cf. Dicoria type	0	0	0	1	2	3	2	2	2

Pollen Station Number		10	11	12	17	18	19	25	26	27
Sample Number		10C	11A	12C	17B	18	19A	25	26	27
Pollen Sum		355	348	321	364	323	300	332	319	383
Tracers		16	4	1	5	2	13	14	26	3
Sample Volume		20	20	20	20	20	20	20	20	20
Sample Weight grams		17.6	23.6	25.7	27.4	26.3	26.6	12.3	27.0	14.9
Pollen Concentration gr/gm		31622.2	92470.7	24100.5	66646.5	154032.9	21761.7	48070.4	11398.6	214925.5
Pollen Concentration gr/cc		27827.6	109115.4	30969.1	91305.8	202553.3	28943.1	29563.3	15388.1	160119.5
Pollen Taxa Richness		13	13	15	15	22	16	17	17	16
Charcoal as % of slide matrix		30-40	<10	<10	<10	10-20	<10	20-30	<10	20-30
Common Name	**Taxa Name**									
Grass Family	Poaceae	24	6	4	7	5	0	6	16	0
Large Grass type	Large Poaceae	0	0	0	0	2	0	0	0	1
Buckwheat	Eriogonum	0	0	0	0	1	0	0	0	1
Purslane	Portulaca	0	0	0	0	0	0	0	0	0
Spurge Family	Euphorbiaceae	0	0	0	0	0	0	0	0	0
Mustard Family	Brassicaceae	1	0	0	0	0	0	0	3	0
Globemallow	Sphaeralcea	0	0	0	0	0	0	0	1	0
Evening Primrose	Onagraceae	0	0	0	0	0	0	0	X	0
Pea Family	Fabaceae	0	0	0	0	0	0	0	0	0
Figwort Family	Scrophulariaceae	1	0	0	0	0	0	0	1	0
Knotweed	Polygonum viva?	0	0	0	0	0	1	0	0	0
Four O'Clock Family	Nyctaginaceae	0	X	0	0	0	0	0	0	0
Cattail	Typha latifolia	0	0	0	0	0	0	2	0	0
Russian Olive	Elaeagnaceae	0	0	0	0	1	0	0	0	0
Total Aggregates		0	0	0	1	4	2	1	0	3
Pine Aggregates		0	0	0	1(20+)	1(10+)	1(20+)	1(20+)	0	3(50+)
Piñon Aggregates		0	0	0	0	0	1(30+)	0	0	0

Pollen Station Number		10	11	12	17	18	19	25	26	27
Sample Number		10C	11A	12C	17B	18	19A	25	26	27
Pollen Sum		355	348	321	364	323	300	332	319	383
Tracers		16	4	1	5	2	13	14	26	3
Sample Volume		20	20	20	20	20	20	20	20	20
Sample Weight grams		17.6	23.6	25.7	27.4	26.3	26.6	12.3	27.0	14.9
Pollen Concentration gr/gm		31622.2	92470.7	24100.5	66646.5	154032.9	21761.7	48070.4	11398.6	214925.5
Pollen Concentration gr/cc		27827.6	109115.4	30969.1	91305.8	202553.3	28943.1	29563.3	15388.1	160119.5
Pollen Taxa Richness		13	13	15	15	22	16	17	17	16
Charcoal as % of slide matrix		30-40	<10	<10	<10	10-20	<10	20-30	<10	20-30
Common Name	**Taxa Name**									
Grass Aggregates		0	0	0	0	0	X(40+)	0	0	0
Juniper Aggregates		0	0	0	0	1(20+)	0	0	0	0
Oak Aggregates		0	0	0	0	1(30+)	X(20+)	0	0	0
Sunflower Family Aggregates		0	0	0	X(6)	0	0	0	0	0
Cheno-Am Aggregates		0	0	0	0	1(12+)	0	0	0	0

* Pollen Aggregate data shown as number of aggregates, and in parentheses, the number of grains in the largest aggregate

Table C.1 (continued). Raw Pollen Counts from 20 Stations (x notes scan identified taxa).

Pollen Station Number		28	29
Sample Number		28	29B
Pollen Sum		329	335
Tracers		4	42
Sample Volume		20	20
Sample Weight grams		22.6	21.4
Pollen Concentration gr/gm		91290.2	9349.3
Pollen Concentration gr/cc		103158.0	10003.7
Pollen Taxa Richness		13	19
Charcoal as % of slide matrix		20-30	10-20
Common Name	**Taxa Name**		
Degraded	Degraded	4	20
Unknown	Unknown	2	2
Douglas Fir	Pseudotsuga	0	0
Spruce	Picea	1	0
Fir	Abies	3	7
Pine	Pinus	238	74
Piñon	Piñon	24	19
Juniper	Juniperus	4	26
Oak	Quercus	8	13
Large Haploxylon Pine	Pinus Haploxylon >70 μm	0	0
Caprifoliaceae	Caprifoliaceae, cf. Symphoricarpos	0	0
Cliffrose, Mtn. Mahogany type	Rosaceae, Cercocarpus/Purshia type	1	0
Buckthorn Family	Rhamnaceae	0	0
Other Rose Family	Roseaceae	0	0
Lemonadeberry	Rhus	0	0
Mormon Tea	Ephedra	1	X
Sagebrush	Artemisia	3	100
Mistletoe	Loranthaceae	0	0
Maple	Acer	0	0

Pollen Station Number		28	29
Sample Number		28	29B
Pollen Sum		329	335
Tracers		4	42
Sample Volume		20	20
Sample Weight grams		22.6	21.4
Pollen Concentration gr/gm		91290.2	9349.3
Pollen Concentration gr/cc		103158.0	10003.7
Pollen Taxa Richness		13	19
Charcoal as % of slide matrix		20-30	10-20
Common Name	**Taxa Name**		
Walnut	Juglans	0	0
Birch	Betula	0	0
Willow	Salix	0	0
Yucca	Lily Family	0	0
Prickly Pear	Opuntia	0	0
Greasewood	Sarcobatus	0	1
Cheno-Am	Cheno-Am	14	36
Sunflower Family	Asteraceae	12	24
Chicory Tribe	Liguliflorae	0	0
Bursage/Ragweed type	Ambrosia	7	0
Thistle	Cirsium	0	X
Long Spine type	cf. Helianthus	0	1
Broad Spine type	Unknown Sunflower Family cf. Dicoria type	0	1
Grass Family	Poaceae	6	7
Large Grass type	Large Poaceae	0	0
Buckwheat	Eriogonum	0	2
Purslane	Portulaca	0	0
Spurge Family	Euphorbiaceae	0	0
Mustard Family	Brassicaceae	0	1
Globemallow	Sphaeralcea	0	0
Evening Primrose	Onagraceae	0	X

Pollen Station Number		28	29
Sample Number		28	29B
Pollen Sum		329	335
Tracers		4	42
Sample Volume		20	20
Sample Weight grams		22.6	21.4
Pollen Concentration gr/gm		91290.2	9349.3
Pollen Concentration gr/cc		103158.0	10003.7
Pollen Taxa Richness		13	19
Charcoal as % of slide matrix		20-30	10-20
Common Name	**Taxa Name**		
Pea Family	Fabaceae	0	1
Figwort Family	Scrophulariaceae	0	0
Knotweed	Polygonum viva?	0	0
Four O'Clock Family	Nyctaginaceae	0	0
Cattail	Typha latifolia	0	0
Russian Olive	Elaeagnaceae	0	0
Total Aggregates		1	0
Pine Aggregates		1(40+)	0
Piñon Aggregates		0	0
Grass Aggregates		0	0
Juniper Aggregates		0	0
Oak Aggregates		0	0
Sunflower Family Aggregates		0	0
Cheno-Am Aggregates		0	0

* Pollen Aggregate data shown as number of aggregates, and in parentheses, the number of grains in the largest aggregate

APPENDIX D
DENDROCHRONOLOGICAL SAMPLES FROM THE PAJARITO PLATEAU

Ronald H. Towner

Table D.1. All dendrochronological samples from Pajarito Plateau, including duplicates.

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
Puye (LA 47)	RG-327-12	char frag	E,S, & W sides of ruin	DF	1476fp	1498vv	comp	
	RG-327-2	char frag	E,S, & W sides of ruin	PP	1498fp	1525vv		
	RG-327-4	char frag	E,S, & W sides of ruin	PP	1492fp	1526vv		
	RG-327-15	char frag	E,S, & W sides of ruin	DF	1488fp	1536+r	comp	
	RG-327-11	char frag	E,S, & W sides of ruin	PP	1486fp	1537vv		
	RG-327-9	char frag	E,S, & W sides of ruin	PP	1519fp	1548vv		
	RG-327-10	char frag	E,S, & W sides of ruin	PP	1440	1554++vv		
	RG-327-1	char frag	E,S, & W sides of ruin	PP	1504fp	1572vv		
	RG-327-13	char frag	E,S, & W sides of ruin	DF	1546p	1577r	comp	
	RG-327-3	char frag	E,S, & W sides of ruin	PP	no date			
	RG-327-5	char frag	E,S, & W sides of ruin	PP	no date			
	RG-327-6	char frag	E,S, & W sides of ruin	PP	no date			
	RG-327-7	char frag	E,S, & W sides of ruin	PP	no date			
	RG-327-8	char frag	E,S, & W sides of ruin	PP	no date			
	RG-327-14	char frag	E,S, & W sides of ruin	DF	no date			
	RG-327-16	char frag	E,S, & W sides of ruin	PP	no date			
	RG-545	wd frag	S house, 5th N-s Line of Rooms from W	PP	1388np	1452vv		
	RG-546-22	char frag	Fill of Deric's room	PP	1373	1416vv		
	RG-547-1	char frag	Fill of Deric's room	PP	1395np	1437vv		
	RG-547-2	char frag	Fill of Deric's room	PP	no date			
	RG-546-23	char frag	Fill of Deric's room	PP	1357p	1454vv		
	RG-546-15	char frag	Fill of Deric's room	Pnn	1450fp	1488vv		
	RG-546-3	char frag	Fill of Deric's room	PP	1444p	1498vv		
	RG-546-4	char frag	Fill of Deric's room	PP	1467fp	1521vv		
	RG-546-5	char frag	Fill of Deric's room	PP	1501np	1526vv		
	RG-546-19	char frag	Fill of Deric's room	PP	1489fp	1528vv		
	RG-546-18	char frag	Fill of Deric's room	PP	1473fp	1534vv		
	RG-546-14	char frag	Fill of Deric's room	Pnn	1519fp	1546vv		
	RG-546-1	char frag	Fill of Deric's room	PP	1508fp	1572vv		

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	RG-546-2	char frag	Fill of Deric's room	PP	no date			
	RG-546-3	char frag	Fill of Deric's room	PP	no date			
	RG-546-4	char frag	Fill of Deric's room	PP	no date			
	RG-546-6	char frag	Fill of Deric's room	PP	no date			
	RG-546-7	char frag	Fill of Deric's room	PP	no date			
	RG-546-8	char frag	Fill of Deric's room	PP	no date			
	RG-546-9	char frag	Fill of Deric's room	PP	no date			
	RG-546-10	char frag	Fill of Deric's room	PP	no date			
	RG-546-11	char frag	Fill of Deric's room	PP	no date			
	RG-546-12	char frag	Fill of Deric's room	PP	no date			
	RG-546-13	char frag	Fill of Deric's room	PP	no date			
	RG-546-14	char frag	Fill of Deric's room	PP	no date			
	RG-546-16	char frag	Fill of Deric's room	PP	no date			
	RG-546-17	char frag	Fill of Deric's room	PP	no date			
	RG-546-20	char frag	Fill of Deric's room	Pnn	no date			
	RG-546-21	char frag	Fill of Deric's room	PP	no date			
	RG-551	wd sect	8th N-S line of rooms from W, 2nd from W	DF	1449p	1526v	inc	
	RG-624	wd frag	stump out of wall	PP	1430p	1539+vv		
	RG-550-6	char frag	dump	DF	1490fp	1543r	comp	
	RG-550-2	char frag	dump	PP	1502fp	1543v	inc	
	RG-550-1	char 1/2 sect	dump	PP	1512p	1544r	inc	
	RG-550-5	char frag	dump	DF	1509fp	1547vv		
	RG-550-3	char frag	dump	PP	1447fp	1574r	comp	
	RG-550-7	char frag	dump	PP	1525fp	1575+v	inc	
	RG-550-4	char frag	dump	PP	no date			
	RG-550-8	char frag	dump	PP	no date			
	RG-625	char sect	No provenience	PP	1329p	1413vv		
	RG-626	char frag	No provenience	PP	1376np	1432vv		
	RG-49	wd sect	No provenience	PP	1414p	1445vv		
	RG-627	char frag	No provenience	Pnn	1346p	1466++vv		
	RG-328	wd frag	No provenience	PP	1441p	1474+vv		

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	RG-546-4	char frag	No provenience	PP	1467fp	1521vv		
	RG-546-5	char frag	No provenience	PP	1501np	1526vv		
	RG-5306	char frag	No provenience	DF	1478fp	1516+vv		
	RG-48	char frag	No provenience	DF	1485p	1529v	inc	
	RG-329	char frag	No provenience	DF	1486np	1531v	inc	
	RG-353	char frag	No provenience	PP	1458p	1526vv		
	RG-333	char frag	No provenience	PP	1520fp	1562+v	inc	
	RG-548-1	char frag	Fill of WSS room	PP	no date			
	RG-548-2	char frag	Fill of WSS room	PP	no date			
	RG-548-3	char frag	Fill of WSS room	PP	no date			
	RG-549	char branch	Fill of Room 2	PP	no date			
Tsirege (LA 170)	RG-51-1	char frag	E & N sides of court	PP	1382fp	1412vv		
	RG-51-2	char frag	E & N sides of court	PP	no date			
	RG-51-3	char frag	E & N sides of court	PP	1350fp	1422++vv		
	RG-51-4	char frag	E & N sides of court	DF	no date			
	RG-51-5	char frag	E & N sides of court	PP	no date			
	RG-51-6	char frag						missing from collection
	RG-51-7	char frag	E & N sides of court	PP	1488fp	1574v		
	RG-51-8	char frag	E & N sides of court	PP				same as RG-51-7
	RG-51-9	char frag	E & N sides of court	PP				same as RG-51-7
	RG-51-10	char frag	E & N sides of court	PP				same as RG-51-7
	RG-51-11	char frag	E & N sides of court	PP	1520fp	1581v	inc	
	RG-51-12	char frag	E & N sides of court	PP				same as RG-51-7
	RG-51-13	char frag	E & N sides of court	PP				same as RG-51-7
	RG-51-14	char frag	E & N sides of court	PP	1361fp	1416vv		
	RG-51-15	char frag	E & N sides of court	PP	1541fp	1581vv		
	RG-51-16	char frag	E & N sides of court	PP				same as RG-51-11

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	RG-51-17	char frag	E & N sides of court	DF	1384fp	1514vv		
	RG-51-18	char frag	E & N sides of court	PP	1430fp	1515vv		
	RG-51-19	char frag	E & N sides of court	PP	1392	1442vv		
	RG-51-20	char frag	E & N sides of court	PP	1523fp	1578vv		
	RG-51-21	char frag	E & N sides of court	PP	1344fp	1411+vv		
	RG-51-22	char frag	E & N sides of court	DF	1483p	1516vv		
	RG-51-23	char frag	E & N sides of court	PP	1467fp	1540vv		
	RG-51-24	char frag	E & N sides of court	PP	1482fp	1504vv		
	RG-51-25	char frag	E & N sides of court	DF	no date			
	RG-51-26	char frag	E & N sides of court	DF	no date			
	RG-51-27	char frag	E & N sides of court	PP	1464fp	1496vv		
	RG-51-28	char frag	E & N sides of court	DF	no date			
	RG-51-29	char frag	E & N sides of court	PP	1374fp	1421vv		
	RG-51-30	char frag	E & N sides of court	PP				same as RG-51-11
	RG-51-31	char frag	E & N sides of court	PP	1474fp	1502vv		
	RG-51-32	char frag	E & N sides of court	PP	1391fp	1440vv		
	RG-51-33	char frag	E & N sides of court	DF	1487fp	1515vv		
	RG-51-34	char frag	E & N sides of court	DF	1386fp	1479+vv		
	RG-51-35	char frag	E & N sides of court	PP	1537fp	1581vv		
	RG-51-36	char frag	E & N sides of court	PP	1380fp	1426vv		
	RG-51-37	char frag	E & N sides of court	PP	no date			
	RG-51-38	char frag	E & N sides of court	DF	no date			
	RG-51-39	char frag	E & N sides of court	DF	no date			
	RG-51-40	char frag	E & N sides of court	DF	no date			
	RG-52-1	wd frag	misc	DF	1397	1423vv		
	RG-52-2	wd frag	misc	DF	1427fp	1492vv		
	RG-52-3	wd frag	misc	DF	1530p	1578vv		
	RG-52-4	wd frag	misc	DF	no date			
	RG-52-5	wd frag	misc	DF	no date			
	RG-53	char frag	E side of pueblo	DF	1515p	1559r	comp	
	RG-54	wd sect	E Room beam in wall	DF	1395p	1457+vv		
	RG-404	wd sect	E side	WF	1449p	1492vv		

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	RG-405	wd frag	plank	PP	1345fp	1477vv		
	RG-406	wd frag	E part quadrangle	PP	no date			
	RG-407	wd frag	E part quadrangle	WF	no date			
	RG-408	wd frag	none	PP	1328fp	1435vv		
Fulton's 190 (LA 8681)	FU-1	char frag	Rm 2 fill	PNN	no date			short
	FU-2	char frag	Rm 2 fill	PNN	no date			
	FU-3	char frag	Rm 2 fill	PNN	no date			
	FU-4	char frag	Rm 2 floor	PNN	no date			
	FU-5	char frag	Rm 2 floor	JUN	no date			short
	FU-6	char frag	Rm 2 subfloor	PNN	1030p	1081vv		
	FU-8	char frag	Rm 1 subfloor	DF	no date			
	FU-9	char frag	Rm 3 fill	PNN	1130fp	1182+vv		
	FU-9-1	char frag	Rm 3 fill	PNN	no date			
	FU-10	char frag	Rm 3 firepit	PNN	1120	1162vv		
	FU-10-1	char frag	Rm 3 firepit	PNN	1143fp	1204vv		
	FU-10-2	char frag	Rm 3 firepit	PP	no date			
	FU-11	char frag	Rm 3 subfloor	DF	no date			short
	FU-12	char frag	Rm 3 firepit	PNN	no date			short
	FU-14	char frag	Rm 4 fill	PNN	no date			
	FU-14-1	char frag	Rm 4 fill	PNN	1137fp	1168vv		
	FU-14-2	char frag	Rm 4 fill	PNN	no date			
	FU-14-3	char frag	Rm 4 fill	PNN	1169fp	1218+vv		
	FU-14-4	char frag	Rm 4 fill	PNN	no date			
	FU-15	char frag	Rm 4 fill	PNN	no date			
	FU-16	char frag	Rm 4 fill	PNN	no date			
	FU-17	char frag	Rm 4 floor	PNN	1152fp	1197vv		
	FU-17-1	char frag	Rm 4 floor	PNN	1126fp	1183vv		
	FU-18	char frag	Rm 4 fill	PNN	no date			
	FU-19	char frag	Rm 4 floor	PNN	no date			
	FU-19-1	char frag	Rm 4 floor	PNN	no date			
	FU-20	char frag	Rm 4 firepit	PNN	1088	1124vv		
	FU-20-1	char frag	Rm 4 firepit	PNN	1150fp	1205vv		
	FU-20-2	char frag	Rm 4 firepit	PNN	no date			

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	FU-20-3	char frag	Rm 4 firepit	PNN	1053	1095vv		
	FU-20-4	char frag	Rm 4 firepit	PNN	1026fp	1060vv		
	FU-20-5	char frag	Rm 4 firepit	PNN	1042fp	1097vv		
	FU-20-6	char frag	Rm 4 firepit	PNN	no date			
	FU-20-7	char frag	Rm 4 firepit	PNN	1076fp	1106vv		
	FU-21	char frag	Rm 5	PNN	1129	1190vv		
	FU-21-1	char frag	Rm 5	PNN	1116np	1149vv		
	FU-21-2	char frag	Rm 5	PNN	no date			
	FU-21-3	char frag	Rm 5	PNN	no date			
	FU-22	char frag	Rm 5 fill	PNN	1168fp	1191vv		
	FU-22-1	char frag	Rm 5 fill	PNN	1152	1191vv		
	FU-22-2	char frag	Rm 5 fill	PNN	no date			
	FU-23	char frag	Rm 5 floor	PNN	no date			
	FU-23-1	char frag	Rm 5 floor	PNN	1123	1153vv		
	FU-24	char frag	Rm 6	JUN	no date			short
	FU-25	char frag	Rm 6 subfloor	PNN	no date			
	FU-26	char frag	Rm 8	JUN	no date			
	FU-27	char frag	Trench 2	JUN	no date			short
	FU-28	char frag	Trench 3	JUN	no date			short
	FU-29	char frag	Trench 4	PNN	1140	1164vv		
San Ildefonso	BE-81	wd x-sect	old kiva central beam	PP	1661p	1787vv		
	BE-82	wd x-sect	old kiva west end	PP	no date			
Cochiti Church (LA 295)	RG-714	1"core	Sacristy	PP	1677p	1745vv		adzed
	RG-715	1" core	Sacristy, E door lintel	PP	1662np	1697vv		adzed
Kotyiti (LA 84/295)	RG-55-1	char frag	none	PP	1662p	1689r	inc	
	RG-55-2	char frag	none	PP	1658p	1691vv		
	RG-55-3	char frag	none	PP	1487fp	1547vv		
	RG-55-4	char frag	none	PP	1614fp	1659vv		
	RG-55-5	char frag	none	PP	no date			short
	RG-55-6	char frag	none	PP	1587fp	1616vv		
	RG-55-7	char frag	none	PP				same as RG-55-4
	RG-55-8	char frag	none	PP	1538fp	1605vv		

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	RG-55-9	char frag	none	PP	1660	1685+vv		
	RG-55-10	char frag	none	PP	no date			
	RG-55-11	char frag	none	DF	no date			
	RG-55-12	char frag	none	DF	no date			short
	RG-55-13	char frag	none	PP	no date			short
	RG-55-14	char frag	none	PP	1640fp	1685+vv		
	RG-55-15	char frag	none	DF	1612fp	1654vv		
	RG-55-16	char frag	none	PP	1612fp	1681+vv		
	RG-55-17	char frag	none	PP	no date			
	RG-55-18	char frag	none	DF	1658	1688vv		
	RG-55-19	char frag	none	PP	1582fp	1666vv		
	RG-55-20	char frag	none	PP	1627fp	1685+v	inc	
	RG-55-21	char frag	none	PP	1632p	1690rB	inc	
	RG-55-22	char frag	none	PP	1627fp	1684vv		
	RG-55-23	char frag	none	PP	1622fp	1684r	comp	
	RG-55-24	char frag	none	PP	1617fp	1657vv		
	RG-55-25	char frag	none	PP	1619fp	1680vv		
	RG-55-26	char frag	none	PP	1618fp	1680vv		
	RG-55-27	char frag	none	PP	1571fp	1661vv		
	RG-55-28	char frag	none	PP	1536fp	1599vv		
	RG-55-29	char frag	none	PP	1646	1691vv		
	RG-55-30	char frag	none	PP	no date			
	RG-55-31	char frag	none	PP	1636fp	1683vv		
	RG-55-32	char frag	none	PP	no date			
	RG-55-33	char frag	none	PP	1648	1683vv		
	RG-55-34	char frag	none	PP	1637fp	1682vv		
	RG-55-35	char frag	none	PP	1629fp	1683vv		
	RG-55-36	char frag	none	PP	1606fp	1651vv		
	RG-55-37	char frag	none	PP	1622fp	1688vv		
	RG-55-38	char frag	none	PP	1652fp	1685+vv		
	RG-55-39	char frag	none	PP	1612fp	1642vv		
	RG-55-40	char frag	none	PP	1627fp	1680vv		
	RG-55-41	char frag	none	PP	1619p	1652vv		

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	RG-55-42	char frag	none	PP	no date			
	RG-56	wd frag	none	JUN	no date			short
Water Canyon Pueblo (LA 545)	PD-1	char frag	NW side of court	PP	1359	1429vv		
	PD-2	char frag	NW side of court	PP	no date			
	PD-3	char frag	NW side of court	PP				same as PD-17
	PD-4	char frag	NW side of court	PP				same as PD-17
	PD-5	char frag	NW side of court	PP				same as PD-17
	PD-6	char frag	NW side of court	PP				same as PD-17
	PD-7	char frag	NW side of court	DF	1123p	1165vv		
	PD-8	char frag	NW side of court	PP				same as PD-17
	PD-9	char frag	NW side of court	PP	no date			
	PD-10	char frag	NW side of court	PP	1391fp	1447v	inc	
	PD-11	char frag	NW side of court	PP	1201fp	1270vv		
	PD-12	char frag	NW side of court	PP	no date			
	PD-13	char frag	NW side of court	PP	1249fp	1281vv		
	PD-14	char frag	SW corner of court	PP	1255fp	1301vv		
	PD-15	char frag	SW corner of court	PP	1242fp	1291vv		
	PD-16	char frag	NW side of court	PP	1211fp	1302v	comp	
	PD-17	char frag	NW side of court	PP	1111fp	1302rB	comp	
	PD-18	char frag	NW side of court	PP	1260fp	1303v	comp	
	PD-19	char frag	NW side of court	DF				same as PD-7
	PD-20	char frag	NW side of court	DF				same as PD-11
	PD-21	char frag	NW side of court	PP				same as PD-17
	PD-22	char frag	NW side of court	PP	no date			
	PD-23	char frag	NW side of court	DF	no date			
	PD-24	char frag	NW side of court	PP	1333fp	1419+vv		
	PD-25	char frag	NW side of court	PP	1212fp	1265+vv		
	PD-26	char frag	NW side of court	DF	1261fp	1302vv		

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	PD-27	char frag	NW side of court	PP	1268fp	1303r	inc	
	PD-28	char frag	NW side of court	PP	no date			
Navawi (LA 257)	RG-50	char frag	none	PP				short
Los Alamos School (LA 708)	RG-552-1	char frag	none	PP	no date			short
	RG-552-2	char frag	none	PP	no date			short
	RG-552-3	char frag	none	PP	no date			short
	RG-552-4	char frag	none	DF	no date			short
	RG-552-5	char frag	none	PP	no date			short
	RG-552-6	char frag	none	PP	no date			short
	RG-552-7	char frag	none	PP	no date			short
	RG-552-8	char frag	none	PP	no date			short
	RG-552-9	char frag	none	PP	no date			short
	RG-552-10	char frag	none	PP	no date			short
	RG-552-11	char frag	none	PP	no date			short
	RG-552-12	char frag	none	PP	no date			short
	RG-552-13	char frag	none	PP	no date			short
	RG-552-14	char frag	none	PP	no date			short
	RG-552-15	char frag	none	PP	no date			short
	RG-552-16	char frag	none	PP	no date			short
Bandelier Group M	BNM-1	wd frag	Rooms 1 & 2	PP	1352fp	1494rG	comp	
	BNM-1-1	wd frag	Room 5	PP	no date			
	BNM-1-2	wd frag	Room 2	PP	no date			
	BNM-1-3	wd frag	Room 2	PP	no date			
	BNM-1-4	wd frag	Room 2	PP	no date			
Tyuonyi (LA 82)	TYU-1A	char frag	Tier 10 Rm B	PP	1370fp	1421v	inc	
	TYU-1B	char frag	Tier 10 Rm B	PP	no date			
	TYU-2-1	char frag	Tier 9-10, Rm A	PP	1416fp	1451vv		
	TYU-2-1	char frag	Tier 9-10, Rm A	PP	1388p	1422vv		
	TYU-2-2	char frag	Tier 9-10, Rm A	PP	1396np	1427vv		
	TYU-3	char frag	Tier 1 Rm A Lv 3	PNN	no date			
	TYU-4	char frag	Tier 16 Rm F subfloor	PP	1417fp	1469vv		
	TYU-5	char frag	Tier 8 Rm A	PP	1382fp	1427+r	inc	

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	TYU-6	char frag	Tier 16 Rm F subfloor	PP	1412fp	1466v	inc	
	TYU-7	char frag	Tier 7 Rm B subfloor	PP	no date			
	TYU-8	char frag	Tier 3 Rm B	PP	1403fp	1442r	comp	
	TYU-9	char frag	Tier 8 Rm A	PP	1388p	1431v	inc	
	TYU-10	char frag	Tier 16 Rm A subfloor	PP	1364np	1407+vv		
	TYU-11	char frag	Tier 7 Rm A	PP	1331p	1385vv		
	TYU-11-1	char frag	Tier 7 Rm A	PP	no date			
	TYU-12	char frag	Tier 16 Rm G subfloor	PP	1362fp	1423+vv		
	TYU-13-1	char frag	Tier 16 Rm A subfloor	PP	1352fp	1421++v	inc	
	TYU-13-2	char frag	Tier 16 Rm A subfloor	PP	1360fp	1427v	comp	
	TYU-14	char frag	Tier 3 Rm 8 top floor	PP	1395np	1458vv		
	TYU-15	char frag	Tier 1 Rm B	PP	no date			short
	TYU-16	char frag	Tier 2 Rm E	PP	no date			short
	TYU-17	char frag	Tier 3 Rm A subfloor	PP	no date			
	TYU-17-1	char frag	Tier 3 Rm A subfloor	DF	no date			
	TYU-17-2	char frag	Tier 3 Rm A subfloor	PP	no date			
	TYU-18	char frag	Tier 17 Rm F	PP	1361fp	1422+r	comp	
	TYU-19	char frag	Tier 18 Rm G subfloor	PP	1353fp	1389vv		
	TYU-19-1	char frag	Tier 18 Rm G subfloor	DF	1390p	1422+r	comp	
	TYU-19-2	char frag	Tier 18 Rm G subfloor	PP	1368fp	1421+v	inc	
	TYU-20-1	char frag	Tier 17 Rm B	PP	1370fp	1401vv		
	TYU-20-2	char frag	Tier 17 Rm B	PP	no date			
	TYU-21	char frag	Tier 14 Rm E subfloor	PP	1417fp	1457vv		
	TYU-22	char frag	Tier 15 Rm A	PP	no date			
	TYU-22-1	char frag	Tier 15 Rm A	PP	no date			
	TYU-23	char frag	Tier 14 Rm A subfloor	PP	1367fp	1395vv		
	TYU-24	char frag	Tier 8 Rm A subfloor	PP	no date			
	TYU-25	char frag	Tier 15 Rm A subfloor	PP	1383fp	1408vv		
	TYU-26	char frag	Tier 17 Rm 6	PP	no date			short
	TYU-27	char frag	Tier 15 Rm B subfloor	PP	no date			short
	TYU-28	char frag	Tier 3 Rm D subfloor	PP	no date			short
	TYU-29	char frag	Tier 4 Rm B subfloor	JUN	no date			false
	TYU-30	char frag	Tier 16 Rm G	PP	1359fp	1387vv		

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	TYU-31	char frag	Tier 18 Rm F subfloor	PP	no date			short
	TYU-32	char frag	Tier 16 Rm F	PP	no date			short
	TYU-33	char frag	B-1 (?)	PP	no date			short
	TYU-34	char frag	Tier 1 Rm A Lv 3	PP	no date			
	TYU-35	char frag	Tier 16 Rm G	QUER	no date			
	TYU-36	char frag	Tier 8 Rm A subfloor	JUN	1350fp	1400++vv		
	TYU-37	char frag	Tier 8 Rm A subfloor	JUN	no date			compressed
	TYU-38	char frag	Tier 3 Rm A sub 3	PP	no date			short
	TYU-39	char frag	Tier 2 Rm A	PP	no date			short
	TYU-40	char frag	Sector B	DF	no date			
	TYU-40-1	char frag	Sector B	POP	no date			
	TYU-41	char frag	Tier 5 Rm A	PP	no date			short
	TYU-42	char frag	Tier 3 Rm A subsurface	PP	no date			short
	TYU-43-1	char frag	Tier 12 Rm B sub	PP	1363p	1415+vv		
	TYU-43-2	char frag	Tier 12 Rm B sub	PP	no date			
	TYU-44-1	char frag	Tier 15 Rm F	PP	no date			
	TYU-44-2	char frag	Tier 15 Rm F	PP	1391fp	1509v	inc	
	TYU-45-1	char frag	Tier 14 Rm G SB	PP	1353np	1415+rB	inc	
	TYU-45-2	char frag	Tier 14 Rm G SB	PP	1366p	1398vv		
	TYU-46-1	char frag	Tier 10 Rm A SB	PP	no date			
	TYU-46-2	char frag	Tier 10 Rm A SB	PP	1454np	1496vv		
	TYU-46-3	char frag	Tier 10 Rm A SB	PP				same as TYU-46-1
	TYU-47	char frag	Tier 1 Rm C	JUN	no date			short
	TYU-48	char frag	Tier 16 Rm E	PP	1436fp	1467r	comp	
	TYU-49	char frag	Tier 9 Rm A	PP	1385fp	1427r	inc	
	TYU-50	char frag	Tier 9 Rm A	PP	no date			short
	TYU-51	char frag	Tier 3 Rm A SB	PP	no date			short
	TYU-52	char frag	Tier 14 Rm E subfloor	PP	no date			short
	TYU-53	char frag	Tier 16 Rm E	PP	no date			short
	TYU-54	char frag	Tier 17 Rm B SB	DF	no date			short
	TYU-55-1	char frag	Sector C	PP	1392fp	1466r	comp	

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	TYU-55-2	char frag	Sector C	PP	1487fp	1521vv		
	TYU-56	char frag	Tier 8 Rm A	PP	1387np	1426r	inc	
	TYU-57	char frag	Tier 8 Rm A	JUN	same as TYU-36			
	TYU-57-1	char frag	Tier 8 Rm A	DF	1332	1383vv		
	TYU-58	char frag	Trench 1	DF	no date			short
	TYU-59	char frag	Tier 18 Rm F SB	PP	no date			short
	TYU-60	char frag	Tier 16 Rm H SB	PP	1389np	1422+r	inc	
	TYU-61	char frag	Tier 8 Rm A SB	JUN	no date			short
	TYU-62	char frag	Sector B	DF	no date			
	TYU-63	char frag	Trench 1	PP	no date			short
	TYU-64	char frag	Trench 1	DF	no date			short
	TYU-65	char frag	Tier 15 Rm A SB	DF	no date			short
	TYU-66	char frag	Sector B	DF	1459p	1521r	comp	
	TYU-67	char frag	Trench 1	PP	no date			short
	TYU-68	char frag	Tier 16 Rm A	PP	1353fp	1419+r	comp	
	TYU-69	char frag	Trench 1	DF	no date			
	TYU-70	char frag	Tier 18 Rm A SB	POP	no date			short
	TYU-71	char frag	Tier 6 Rm A	PP	no date			short
	TYU-72	char frag	Tier 16 Rm B	PP	1392fp	1447r	inc	
	TYU-73	char frag	Tier 1 Rm B	PP	1390fp	1443vv		
	TYU-73-1	char frag	Tier 1 Rm B	PP	1306fp	1366vv		
	TYU-74	char frag	Tier 15 Rm E SB	DF	no date			
	TYU-75	char frag	Tier 12 Rm B SB	PP	no date			
	TYU-76	char frag	Tier 2 Rm B	PP	1384fp	1442+v		
	TYU-77	char frag	Tier 2 Rm B SB	PP	no date			short
	TYU-78	char frag	Tier 16 Rm E betw floors	PP	no date			
	TYU-79	char frag	Tier 16 Rm G strat test	PP	1435	1517vv		
	TYU-80	char frag	Tier 14 Rm G SB	PP				missing from collection
	TYU-81	char frag	Tier 4 Rm A	DF	no date			short
	TYU-82	char frag	Tier 13 Rm D	PP	1240np	1340vv		
	TYU-82-1	char frag	Tier 13 Rm D	PP	1280fp	1327vv		
	TYU-82-2	char frag	Tier 13 Rm D	PP	1328fp	1369+r	inc	

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	TYU-83	char frag	Tier 9 Rm A trench	PP	no date			short
	TYU-84	char frag	Tier 11 Rm A trench	PP	1318p	1388vv		
	TYU-84-1	char frag	Tier 11 Rm A trench	PP	1332np	1386r	inc	
	TYU-84-2	char frag	Tier 11 Rm A trench	DF	no date			
	RG-8-1	char frag	Misc from Surface	PP	1407fp	1462+vv		
	RG-8-2	char frag	Misc from Surface	PP	1368fp	1421+vv		
	RG-24-1	char frag	Misc from Surface	DF	no date			short
	RG-24-2	char frag	Misc from Surface	PP	no date			
	RG-24-3	char frag	Misc from Surface	PP	no date			short
	RG-24-4	char frag	Misc from Surface	PP	no date			short
	RG-24-5	char frag	Misc from Surface	PP	no date			
	RG-24-6	char frag	Misc from Surface	PP	no date			short
	RG-24-7	char frag	Misc from Surface	PP				same as RG-24-5
	RG-24-8	char frag	Misc from Surface	PP	no date			
	RG-24-9	char frag	Misc from Surface	PP	1368p	1439vv		
	RG-24-10	char frag	Misc from Surface	DF	1394fp	1442vv		
	RG-24-11	char frag	Misc from Surface	PP	no date			
	RG-24-12	char frag	Misc from Surface	PP	1353fp	1394vv		
	RG-24-13	char frag	Misc from Surface	PP	1449fp	1494vv		
	RG-24-14	char frag	Misc from Surface	PP	no date			
	RG-24-15	char frag	Misc from Surface	PP	no date			
Rainbow House (LA 217)	BNM-6	char frag	Kiva 1 Level 4	DF	no date			short
	RBH-1-1A	char frag	Room 1-18	PP	1389fp	1451r	inc	
	RBH-1-1B	char frag	Room 1-18	PP	1377fp	1451r	comp	
	RBH-1-2	char frag	Room 1-18	PP				Same as RBH-1-1B
	RBH-2	char frag	Room 1-18	PP				Same as RBH-1-1A
	RBH-3	char frag	Kiva 1 Level 2	PP	1389np	1458v	inc	
	RBH-4	char frag	Room 1-18	PP	1389np	1422+v	inc	
	RBH-5	char frag	Room 1-18	PP	1404np	1451r	comp	
	RBH-5-1	char frag	Room 1-18	PP				Same as RBH-1-1B

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	RBH-5-2	char frag	Room 1-18	PP	1382p	1412vv		
	RBH-5-3	char frag	Room 1-18	PP				Same as RBH-1-1A
	RBH-6-1	char frag	Room 1-18	PP				Same as RBH-1-1A
	RBH-6-2	char frag	Room 1-18	PP	1395np	1449v	inc	
	RBH-7A	char frag	Room 1-18	PP				Same as RBH-1-1B
	RBH-7B	char frag	Room 1-18	PP	1393fp	1435vv		
	RBH-8	char frag	Room 1-18	PP	1377p	1439vv		
	RBH-9	char frag	Room 1-18	PP				Same as RBH-8
	RBH-10	char frag	Room 1-18	PP	1381	1427vv		
	RBH-11	char frag	Room 1-18	PP	1387fp	1451r	comp	
	RBH-12	char frag	Room 1-18	PP	1412fp	1453vv		
	RBH-13	char frag	Room 1-18	PP				Same as RBH-1-1B
	RBH-14	char frag	Room 1-18	PP				Same as RBH-1-1B
	RBH-15	char frag	Room 1-18	PP	1393fp	1454vv		
	RBH-16	char frag	Room 1-18	PP	1389np	1427+v	inc	
	RBH-17	char frag	Room 1-18	PP	1415np	1451v	inc	
	RBH-18	char frag	Room 1-18	PP	1379fp	1408vv		
	RBH-19	char frag	Room 1-18	PP	1405np	1446vv		
	RBH-20	char frag	Room 1-18	PP				Same as RBH-1-1A
	RBH-21	char frag	Room 1-18	PP				Same as RBH-1-1A
	RBH-22	char frag	Room 1-18	PP				Same as RBH-1-1A
	RBH-23	char frag	Room 1-18	PP	1404fp	1451r	comp	
	RBH-24	char frag	Room 1-18	PP				Same as RBH-1-1B
	RBH-25	char frag	Room 1-18	PP				Same as RBH-10

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	RG-9	char frag	none	PP	no date			short
Frijolito (LA 78)	RG-13-1	char frag	Room N side	PP	1343p	1460r	comp	
	RG-13-2	char frag	Room N side	PP	no date			short
	RG-13-3	char frag	Room N side	PP	1367fp	1447v	inc	
	RG-13-4	char frag	Room N side	PP	1384p	1431vv		
	RG-13-5	char frag	Room N side	PP	1412fp	1447vv		
	RG-13-6	char frag	none	PP	1414p	1447r	inc	
	RG-13-7	char frag	none	PP	1315	1437vv		
	RG-13-8	char frag	none	PP	1357fp	1426r	comp	
	RG-13-9	char frag	none	PP	1396p	1454r	comp	
	RG-13-10	char frag	none	PP	1389fp	1447vv		
	RG-13-11	char frag	none	PP	1394fp	1441vv		
	RG-13-12	char frag	none	PP	1386np	1452r	comp	
	RG-13-13	char frag	none	PP	1328np	1385vv		
Otowi (LA 169)	RG-28-1	char frag	No provenience	PP	1378fp	1431vv		
	RG-28-2	char frag	No provenience	PP	1375fp	1409vv		
	RG-28-3	char frag	No provenience	PP	no date			
	OTO-1	rot wd frag	RM 5 fill	PP	1381p	1414r	comp	
	OTO-2	rot wd frag	RM 5&6 Fill	DF	1434fp	1491vv		
	OTO-2C	rot wd frag	RM 5&6 Fill	PP				same as OTO-1
	OTO-3	rot wd frag	No provenience	PP				same as OTO-1
	OTO-4	rot wd frag	No provenience	PP				same as OTO-1
	OTO-4-1	rot wd frag	No provenience	PP	no date			
	OTO-5	rot wd frag	No provenience	PP				same as OTO-1
	OTO-6	rot wd frag	No provenience	PP				same as OTO-1
Hewitt's Ruin 12 (LA 42)	RG-26-1	char frag	Blumenthal modern house?	PP	1804fp	1867v	inc	
	RG-26-2	char frag		PP	1793fp	1837vv		
	RG-26-3	char frag		PP	1830fp	1871vv		

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	RG-26-4	char frag		PP	1786fp	1832vv		
	RG-26-5	char frag		PP	no date			
	RG-26-6	char frag		PP	no date			
	RG-26-7	char frag		PP	1796fp	1830vv		
Tsankawi (LA 211)	RG-25-1	char frag	none	PP	1373fp	1436vv		
	RG-25-2	char frag	none	PP	1395fp	1439vv		
	RG-25-3	char frag	none	PP	no date			
	RG-25-4	char frag	none	PP	no date			
LA 3852	BNM-84	char frag	Pit structure area 4	Pnn	1006	1085+vv		
	BNM-85	char frag	Rm 6 area 1	PP	no date			
	BNM-86	char frag	Rm 6 area 1	Pnn	no date			
Burnt Mesa Pueblo (LA 60372)	BNM-63	char frag	Rm 1	PP	no date			
	BNM-64	char frag	Rm 1	PP	no date			
	BNM-65	char frag	Rm 1	PP	no date			
	BNM-66	wd frag	Rm 1	DF	1221p	1275vv		
	BNM-67	char frag	Rm 1	PNN	no date			
	BNM-68	char frag	Rm 1	DF	1231p	1268vv		
	BNM-69	wd frag	Rm 1	DF	1222p	1275vv		
	BNM-70	wd frag	Rm 1	PP	no date			
	BNM-72	wd frag	Rm 1	DF	1230	1267vv		
	BNM-73	char frag	Rm 2	PP	no date			
	BNM-74	char frag	Rm 2	PP	1194	1250B	inc	
	BNM-75	char frag	Rm 4	PP	no date			
	BNM-76	char frag	Rm 4	PP	1098	1204vv		
	BNM-77	char frag	Rm 4	PP	1134	1193vv		
	BNM-78	char frag	Rm 4	PP	1120	1207+vv		
	BNM-79	char frag	Rm 2	PP	no date			
	BNM-80	char frag	Rm 10	PP	1206	1272vv		
	BNM-81	char frag	2 x 2 unit	DF	1132p	1189vv		
	BNM-82	char frag	2 x 2 unit	DF	no date			
	BNM-83	char frag	2 x 2 unit	DF	1230p	1271vv		
	BNM-87	char frag	Rm 1	PP	no date			
	BNM-88	char frag	Pitstr 1	PNN	1244+-	1317B	inc	

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	BNM-89	char frag	Pitstr 1	PP	1249	1316B	inc	
	BNM-90	char frag	Rm 11	PP	no date			
	BNM-91	char frag	2 x 2 unit	PP	no date			
LA 53148	BNM-92	wd x-sect	Cavate 1 surf	PP	no date			
	BNM-93	wd x-sect	Cavate 1 surf	PP	no date			
	BNM-94	wd x-sect	Cavate 1 surf	PP	no date			
LA 71155	BNM-95	wd x-sect	Rockshelter surf	PP	no date			
LA 71090	BNM-96	wd frag	Camp 2 Roof post NE	JUN	no date			
	BNM-97	wd frag	Cavate Str 1	PP	no date			
	BNM-98	wd frag	Camp 2 Roof post SE	JUN	no date			
LA 84067	BNM-99	wd frag	Bedrock Pit 1	PP	no date			
LA 71081	BNM-100	wd char frag	small str 1 surf	PP	no date			
Saltbush Pueblo (LA 4497)	BNM-7	char frag	trash	PNN	no date			
	BNM-8	char frag	gen fill	PNN	1166p	1241vv		
	BNM-9	char frag	Kiva	PNN	1159p	1194vv		
	BNM-10	char frag	Kiva floor fill	PNN	1151p	1215vv		
LA 2987	BNM-2	char frag	gen site	PNN	no date			
LA 2990	BNM-5	wd sect	Navajo midden?	POP	no date			
LA 2994	BNM-4	char frag	Level 4	JUN	no date			erratic
LA 2998	BNM-3	char sect	below floor	POP	no date			
LA 3852	BNM-84	char frag	Pit structure area 4	Pnn	1006	1085+vv		
	BNM-85	char frag	Rm 6 area 1	PP	no date			
	BNM-86	char frag	Rm 6 area 1	Pnn	no date			
LA 50972	BNM-71	char frag	Cavate	PNN	no date			
Pueblo del Encierro (LA 70)	CDP-32	char frag	FE 2	PNN	1359fp	1458vv		
	CDP-33	char frag	FE 25	PNN	1322np	1381vv		
	CDP-34	char frag	FE 25 ash pit	PNN	1362p	1416v	inc	
	CDP-35	char frag	FE 29 gen fill	PNN	1331fp	1364vv		
	CDP-36	char frag	FE 29 pit	PNN	no date			short
	CDP-37	char frag	FE 33 subfloor pit	PP	no date			
	CDP-38	char frag	FE 42 gen fill	PNN	no date			
	CDP-39	char frag	FE 42 gen fill	PNN	no date			

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	CDP-40	char frag	FE 62 floor fill	PNN	no date			
	CDP-41	char frag	FE 69 gen fill	PNN	1387fp	1427r	comp	
	CDP-42	char frag	FE 69 gen fill	PNN	1297fp	1423r	comp	
	CDP-43	char frag	FE 69 gen fill	PNN	1356p	1411r	comp	
	CDP-44	char frag	FE 69 gen fill	PP	no date			
	CDP-45	char frag	FE 78 gen fill	PNN	no date			
	CDP-46	char frag	FE 79 floor fill	DF	no date			short
	CDP-47	char frag	FE 80 gen fill	DF	1432p	1469r	inc	
	CDP-48	char frag	FE 80 gen fill	DF	1331p	1374vv		
	CDP-49	char frag	FE 80 gen fill	PP	1385p	1428r	comp	
	CDP-50	char frag	FE 80 gen fill	PP	1368	1439r	inc	
	CDP-51	char frag	FE 83 gen fill	JUN	no date			short
	CDP-52	char frag	FE 83 gen fill	DF	no date			short
	CDP-53	char frag	FE 83 gen fill	PP	1365+-p	1412r	inc	
	CDP-54	char frag	FE 83 gen fill	PP	no date			
	CDP-55	char frag	FE 83 gen fill	PNN	1309p	1406+r	inc	
	CDP-56	char frag	FE 83 gen fill	JUN	no date			
	CDP-57	char frag	FE 83 floor fill	PNN	same as CDP-55			
	CDP-58	char frag	FE 83 floor fill	DF	1414+-p	1415r	comp	
	CDP-59	char frag	FE 83 floor fill	PP	1360fp	1388vv		
	CDP-60	char frag	FE 83 floor fill	PP	no date			
	CDP-61	char frag	FE 83 floor fill	DF	1464p	1494r	comp	
	CDP-62	char frag	FE 83 floor contact	PP	same as CDP-60			
	CDP-63	char frag	FE 87 gen fill	PNN	1258fp	1345vv		
	CDP-64	char frag	FE 90 gen fill	NON-CON	no date			short
	CDP-65	char frag	FE 92 post hole	PNN	1271np	1341vv		
	CDP-66	char frag	FE 93	PP	no date			short
	CDP-67	char frag	FE 100 gen fill	PNN	no date			short
	CDP-68	char frag	FE 101 trench	PNN	1357	1381vv		
	CDP-69	char frag	FE 107 trench	PNN	no date			short
	CDP-70	char frag	FE 107 trench	PP	no date			short
	CDP-71	char frag	FE 123 floor fill	PP	no date			
	CDP-72	char frag	FE 124 roof fall	DF	1479p	1515rB	inc	

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	CDP-73	char frag	FE 124 roof fall	PP	no date			
	CDP-74	char frag	FE 128 fill	PP	no date			
	CDP-75	char frag	FE 128 Gen fill	NON-CON	no date			
	CDP-76	char frag	FE128 Roof fall	DF	1323p	1413+r	inc	
	CDP-77	char frag	FE128 Roof fall	DF	1339p	1423+r	inc	
	CDP-78	char frag	FE128 Roof fall	DF	1431p	1469r	inc	
	CDP-79	char frag	FE128 Roof fall	PP	1326np	1454v	inc	
	CDP-80	char frag	FE128 Roof fall	PP	no date			
	CDP-81	char frag	FE128 Roof fall	DF	no date			
	CDP-82	char frag	FE128 Roof fall	DF	1412p	1447vv		
	CDP-83	char frag	FE128 Roof fall	PNN	1352np	1508vv		
	CDP-84	char frag	FE128 Roof fall	PP	1400	1467r	inc	
	CDP-85	char frag	FE128 Roof fall	DF	1359p	1422+r	inc	
	CDP-86	char frag	FE128 Roof fall	DF	1420p	1463rB	inc	
	CDP-87	char frag	FE128 Roof fall	PNN	1184	1368++vv		
	CDP-88	char frag	FE128 Roof fall	PP	1440p	1468r	inc	
	CDP-89	char frag	FE128 Roof fall	DF	1327p	1420+rB	inc	
	CDP-90	char frag	FE128 Roof fall	PNN	1349np	1520vv		
	CDP-91	char frag	FE128 Roof fall	PP	1325np	1424+r	inc	
	CDP-92	char frag	FE128 Roof fall	DF	1432p	1469rB	comp	
	CDP-93	char frag	FE128 Roof fall	PP	1405p	1455r	inc	
	CDP-94	char frag	FE128 Roof fall	DF	1418p	1464r	inc	
	CDP-95	char frag	FE128 Roof fall	DF	1385p	1424r	inc	
	CDP-96	char frag	FE128 Roof fall	DF	1372p	1421r	inc	
	CDP-97	char frag	FE128 Roof fall	PP	no date			
	CDP-98	char frag	FE128 Roof fall	DF	1442p	1468r	comp	
	CDP-99	char frag	FE128 Roof fall	DF	1364p	1435v	inc	
	CDP-100	char frag	FE128 Roof fall	PP	no date			
	CDP-101	char frag	FE128 Roof fall	PP	no date			
	CDP-102	char frag	FE128 Roof fall	DF	1377p	1428r	inc	
	CDP-103	char frag	FE128 Roof fall	DF	1377p	1424+r	inc	
	CDP-104	char frag	FE128 Roof fall	DF	1433p	1468r	inc	

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	CDP-105	char frag	FE128 Roof fall	DF	1418p	1462v	inc	
	CDP-106	char frag	FE128 Roof fall	PNN	1274p	1409v	inc	
	CDP-107	char frag	FE128 Roof fall	PP	no date			
	CDP-108	char frag	FE128 Roof fall	PP	1384p	1428r	inc	
	CDP-109	char frag	FE128 Roof fall	DF	1413p	1467r	inc	
	CDP-110	char frag	FE128 Roof fall	PP	1424	1466r	inc	
	CDP-111	char frag	FE128 Roof fall	PP	1363	1401r	inc	
	CDP-112	char frag	FE128 Roof fall	PNN	1482p	1513v	inc	
	CDP-113	char frag	FE 129 gen fill	PP	1597	1766++vv		
	CDP-114	char frag	FE 129 gen fill	PP	1645fp	1742vv		
	CDP-115	char frag	FE 129 gen fill	PP	1716	1790vv		
	CDP-116	char frag	FE 129 gen fill	PP	1596fp	1724vv		
	CDP-117	char frag	FE 129 floor fill	PP	1527fp	1702vv		
	CDP-118	char frag	FE 129 floor fill	PP				same as CDP-116
	CDP-119	char frag	FE 129 floor fill	PP	1561p	1691vv		
	CDP-120	char frag	FE 129 floor contact	PP				same as CDP-119
	CDP-121	char frag	FE 129 floor contact	PP	1687fp	1770vv		
	CDP-122	char frag	FE 129 floor contact	PP	1701fp	1771vv		
	CDP-123	char frag	door betw Fe 129/123	PP	1701fp	1787vv		
	CDP-124	char frag	door betw Fe 129/123	PP	no date			
	CDP-125	char frag	door betw Fe 129/123	PP	1746fp	1786vv		
	CDP-126	char frag	FE 130 gen fill	PP	no date			short
	CDP-127	char frag	FE 130 gen fill	PNN	1362np	1441r	inc	
	CDP-128	char frag	FE 130 gen fill	PNN	1334fp	1388vv		
	CDP-129	char frag	FE 130 gen fill	PP	1374fp	1422+vv		
	CDP-130	char frag	FE 132 gen fill	PNN	1371p	1427r	inc	
	CDP-131	char frag	FE 132 floor fill	PNN	1362+-p	1426+r	inc	
	CDP-132	char frag	FE 132 floor fill	PNN				same as CDP-130
	CDP-133	char frag	FE 132 floor contact	PNN				same as CDP-131

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	CDP-134	char frag	FE 132 floor contact	PNN				same as CDP-130
	CDP-135	char frag	FE 132 betw floors 1/2	JUN	no date			false
	CDP-136	char frag	FE 132 betw floors 1/2	PNN	no date			
	CDP-137	char frag	FE 136 floor fill	PP	1376p	1425+r	inc	
	CDP-138	char frag	FE 136 floor fill	PP	1389fp	1425+v	inc	
	CDP-139	char frag	FE 136 floor fill	PP	1385p	1421vv		
	CDP-140	char frag	FE 140 gen fill	JUN	no date			false
	CDP-141	char frag	FE 152 roof fall	DF	1404p	1444rB	comp	
	CDP-142	char frag	FE 152 roof fall	PP	1330p	1388vv		
	CDP-143	char frag	FE 152 roof fall	DF	1403p	1438+vv		
	CDP-144	char frag	FE 152 roof fall	PP	1344fp	1426vv		
	CDP-145	char frag	FE 152 roof fall	PP	1305fp	1357vv		
	CDP-146	char frag	FE 152 roof fall	DF	1405p	1451rB	inc	
	CDP-147	char frag	FE 152 roof fall	PP	no date			
	CDP-148	char frag	FE 152 roof fall	PP	no date			
	CDP-149	char frag	FE 152 roof fall	POP	no date			short
	CDP-150	char frag	FE 152 roof fall	PP	no date			
	CDP-151	char frag	FE 152 roof fall	DF	1415p	1451rB	inc	
	CDP-152	char frag	FE 152 roof fall	PP	1273np	1406vv		
	CDP-153	char frag	FE 152 roof fall	PP	no date			
	CDP-154	char frag	FE 152 roof fall	PP	1390p	1422r	inc	
	CDP-155	char frag	FE 152 roof fall	DF	1413p	1446vv		
	CDP-156	char frag	FE 152 roof fall	DF	1403np	1450rB	inc	
	CDP-157	char frag	FE 152 roof fall	DF	1385p	1434vv		
	CDP-158	char frag	FE 152 roof fall	DF	1414p	1441r	inc	
	CDP-159	char frag	FE 152 roof fall	DF	1384p	1443r	inc	
	CDP-160	char frag	FE 152 roof fall	DF	1413p	1441v	inc	
	CDP-161	char frag	FE 152 roof fall	DF	1421p	1450+r	inc	
	CDP-162	char frag	FE 152 roof fall	PP	1401p	1451r	inc	
	CDP-163	char frag	FE 152 roof fall	PP	no date			
	CDP-164	char frag	FE 152 roof fall	DF	1334p	1414r	inc	
	CDP-165	char frag	FE 152 roof fall	DF	1400p	1445r	inc	

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	CDP-166	char frag	FE 152 floor contact	POP	no date			short
	CDP-167	char frag	FE 152	JUN	no date			short
	CDP-168	char frag	FE 152	PP	same as CDP-152			
	CDP-169	char frag	FE 167 gen fill	DF	no date			
	CDP-170	char frag	FE 169 gen fill	DF	1404p	1428vv		
	CDP-171	char frag	FE 179 gen fill	POP	no date			short
	CDP-172	char frag	FE 179 floor fill	DF	no date			short
	CDP-173	char frag	FE 181 fill	JUN	no date			false
	CDP-174	char frag	FE 183 gen fill	PP	1473	1518+r	inc	
	CDP-175	char frag	FE 186 roof fall	DF	1385p	1449vv		
	CDP-176	char frag	FE 186 roof fall	DF	1447p	1479rB	inc	
	CDP-177	char frag	FE 186 roof fall	DF	1435p	1479rB	inc	
	CDP-178	char frag	FE 186 roof fall	DF	1456p	1479rB	inc	
	CDP-179	char frag	FE 186 roof fall	PP	1442p	1486rG	inc	
	CDP-180	char frag	FE 186 roof fall	PP	1458p	1486rG	inc	
	CDP-181	char frag	FE 186 roof fall	DF	1449p	1486rG	inc	
	CDP-182	char frag	FE 186 roof fall	DF	1458p	1479rB	inc	
	CDP-183	char frag	FE 186 roof fall	PP	1440p	1479rB	inc	
	CDP-184	char frag	FE 186 roof fall	DF	1449p	1479rB	inc	
	CDP-185	char frag	FE 186 roof fall	DF	1446p	1474vv		
	CDP-186	char frag	FE 186 roof fall	DF	1462p	1480r	inc	
	CDP-187	char frag	FE 186 roof fall	DF	1454p	1479rB	inc	
	CDP-188	char frag	FE 186 roof fall	DF	1457	1480r	inc	
	CDP-189	char frag	FE 186 roof fall	DF	1331p	1476+r	inc	
	CDP-190	char frag	FE 186 roof fall	PP	1370p	1455v	inc	
	CDP-191	char frag	FE 186 roof fall	PP	no date			
	CDP-192	char frag	FE 186 roof fall	PP	1311fp	1348vv		
	CDP-193	char frag	FE 186 roof fall	PP	1435p	1463vv		
	CDP-194	char frag	FE 200 vent fill	PNN	1241np	1292vv		
	CDP-195	char frag	FE 200 inside pot	PNN	1235np	1402+vv		
	CDP-196	char frag	FE 200 inside pot	PNN	1263fp	1367vv		
	CDP-197	char frag	FE 200 inside pot	PNN	1233p	1368vv		
	CDP-198	char frag	FE 213 ash pit A	PNN	1289	1346vv		

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	CDP-199	char frag	FE 223 level 4	PNN	1282fp	1350vv		
	CDP-200	char frag	FE 223 level 6	PNN	1157fp	1327++vv		
	CDP-201	char frag	FE 223 level 6	JUN	no date			short
	CDP-202	char frag	FE 229 roof fall	PNN	no date			short
	CDP-203	char frag	FE 279 roof fall	DF	1487p	1515r	inc	
	CDP-204	char frag	FE 279 roof fall	DF	1491p	1515r	inc	
	CDP-205	char frag	FE 279 roof fall	DF	1474p	1516r	inc	
	CDP-206	char frag	FE 279 roof fall	DF	1468p	1516r	inc	
	CDP-207	char frag	FE 279 roof fall	PP	1498p	1520c	inc	
	CDP-208	char frag	FE 279 roof fall	PP	1482p	1520r	inc	
	CDP-209	char frag	FE 279 roof fall	DF	1487p	1515r	inc	
	CDP-210	char frag	FE 279 roof fall	DF	1490p	1516r	inc	
	CDP-211	char frag	FE 279 roof fall	DF	1479p	1516r	inc	
	CDP-212	char frag	FE 279 roof fall	DF	1470p	1515r	inc	
	CDP-213	char frag	FE 279 roof fall	DF	1479p	1515r	inc	
	CDP-214	char frag	FE 279 roof fall	DF	1485p	1518r	inc	
	CDP-215	char frag	FE 279 roof fall	DF	1490p	1514vv		
	CDP-216	char frag	FE 279 roof fall	DF	1485	1515r	inc	
	CDP-217	char frag	FE 279 roof fall	DF	1488p	1513vv		
	CDP-218	char frag	FE 279 roof fall	PP	1480p	1520r	inc	
	CDP-219	char frag	FE 279 roof fall	DF	1480p	1515rB	inc	
	CDP-220	char frag	FE 279 roof fall	PP	1493p	1520c	inc	
	CDP-221	char frag	FE 279 roof fall	DF	1491p	1519rB	inc	
	CDP-222	char frag	FE 279 roof fall	DF	1494p	1516r	inc	
	CDP-223	char frag	FE 279 roof fall	DF	1473p	1516+c	inc	
	CDP-224	char frag	FE 279 roof fall	DF	1463p	1507r	inc	
	CDP-225	char frag	FE 279 roof fall	DF	1481p	1515r	inc	
	CDP-226	char frag	FE 279 roof fall	PP	1498p	1520c	inc	
	CDP-227	char frag	FE 279 roof fall	DF	1492p	1515r	inc	
	CDP-228	char frag	FE 279 roof fall	DF	1484p	1515+r	inc	
	CDP-229	char frag	FE 279 roof fall	DF	1476p	1515r	inc	
	CDP-230	char frag	FE 279 roof fall	DF	1481p	1515r	inc	

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	CDP-231	char frag	FE 279 roof fall	DF	no date			
	CDP-232	char frag	FE 279 roof fall	DF	1468p	1515r	inc	
	CDP-233	char frag	FE 279 roof fall	DF	1482p	1515r	inc	
	CDP-234	char frag	FE 279 roof fall	DF	1488p	1514vv		
	CDP-235	char frag	FE 279 roof fall	DF	1459p	1515r	inc	
	CDP-236	char frag	FE 279 roof fall	DF	1485p	1515r	inc	
	CDP-237	char frag	FE 279 roof fall	DF	1476p	1515r	inc	
	CDP-238	char frag	FE 279 roof fall	PP	1486p	1520r	inc	
	CDP-239	char frag	FE 279 roof fall	PNN	1488p	1515r	inc	
	CDP-240	char frag	FE 279 roof fall	DF	1492p	1515r	inc	
	CDP-241	char frag	FE 279 roof fall	DF	1481p	1515r	inc	
	CDP-242	char frag	FE 279 roof fall	DF	1475p	1515r	inc	
	CDP-243	char frag	FE 279 roof fall	DF	1487p	1515rB	inc	
	CDP-244	char frag	FE 279 roof fall	DF				same as CDP-231
	CDP-245	char frag	FE 279 roof fall	DF	1475p	1515r	inc	
	CDP-246	char frag	FE 279 roof fall	PP	1487p	1520r	inc	
	CDP-247	char frag	FE 279 roof fall	DF	1484p	1515r	inc	
	CDP-248	char frag	FE 279 roof fall	DF	1481p	1515r	inc	
	CDP-249	char frag	FE 279 roof fall	DF	1482p	1515r	inc	
	CDP-250	char frag	FE 279 roof fall	DF	1476p	1513vv		
	CDP-251	char frag	FE 279 roof fall	DF	1467p	1515r	inc	
	CDP-252	char frag	FE 280 fill	PNN	no date			
	CDP-253	char frag	FE 292 hearth	PNN	1393fp	1446vv		
LA 34	CDP-1	char frag	FE 13	DF	no date			
LA 272	CDP-2	char frag	FE 1 gen fill	POP	no date			short
	CDP-3	char frag	FE 2 roof fall	PP	no date			short
	CDP-4	char frag	FE 2 roof fall	POP	no date			short
	CDP-5	char frag	FE 2 floor contact	POP	no date			short
	CDP-6	char frag	FE 2 floor contact	POP	no date			short
	CDP-7	char frag	FE 2 floor contact	PP	no date			short
LA 3446	CDP-8	char frag	square 7	JUN	no date			short
	CDP-9	char frag	square 8	JUN	no date			

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	CDP-10	char frag	square 9	JUN	no date			short
	CDP-11	char frag	square 10 or 11	PP	no date			short
	CDP-12	char frag	square 13	JUN	no date			false
LA 6178	CDP-13	wd frag	FE 21	JUN	no date			short
Alfred Herrera Site (LA 6455)	CDP-14	char frag	FE 251 top fill	PNN	1311fp	1370vv		
	CDP-15	char frag	FE 251 top fill	PNN	no date			
	CDP-16	char frag	FE 251 top fill	PNN	1308np	1349vv		
	CDP-17	char frag	FE 251 top fill	PNN	1197p	1281vv		
	CDP-18	char frag	FE 251 top fill	PNN	no date			
	CDP-19	char frag	FE 251 top fill	PNN	no date			
	CDP-20	char frag	FE 251 top fill	PNN	no date			
	CDP-21	char frag	FE 251 middle fill	PNN	1300	1382vv		
	CDP-22	char frag	FE 251 middle fill	PNN	1244	1380++vv		
	CDP-23	char frag	FE 251 middle fill	PNN	no date			
	CDP-24	char frag	FE 251 middle fill	PNN	no date			
	CDP-25	char frag	FE 251 floor fill	PNN	1240fp	1348+vv		
	RG-4714	char frag	FE 1 plaza area	PNN	no date			
	RG-4715	char frag	FE 10 top fill	PNN	1243p	1318vv		
	RG-4716	char frag	FE 10 top fill	PNN	no date			
	RG-4717	char frag	FE 10 top fill	JUN	no date			
	RG-4718	char frag	FE 14 lower fill	PP	no date			
	RG-4719	char frag	FE 14 floor fill	PNN	no date			
	RG-4720	char frag	FE 17 floor fill	PNN	1264np	1318vv		
	RG-4721	char frag	FE 23 floor fill	PP	no date			
	RG-4722	char frag	FE 24 floor fill	PNN	no date			
	RG-4723	char frag	FE 24 floor fill	PNN	1281	1342vv		
	RG-4724	char frag	FE 28 gen fill	PP	no date			
	RG-4725	char frag	FE 33 gen fill	JUN	no date			
	RG-4726	char frag	FE 52 gen fill	PP	1283np	1320vv		
	RG-4727	char frag	FE 52 floor fill	PP	no date			
	RG-4728	char frag	FE 52 floor fill	DF	no date			
	RG-4729	char frag	FE 52 floor fill	PP	1265fp	1302vv		

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	RG-4720	char frag	FE 52 floor fill	PNN	1385fp	1457v	inc	
	RG-4731	char frag	FE 52 floor fill	PP	1275fp	1381vv		
	RG-4732	char frag	FE 52 floor fill	PP	1333fp	1372vv		
	RG-4733	char frag	FE 52 floor fill	PP	1330fp	1357vv		
	RG-4734	char frag	FE 52 roof fall	PP	1360fp	1469rB	inc	
	RG-4735	char frag	FE 52 roof fall	PP	1325	1384vv		
	RG-4736	char frag	FE 52 roof fall	PP				same as RG-4731
	RG-4737	char frag	FE 52 roof fall	DF	no date			
	RG-4738	char frag	FE 52 roof fall	PP				same as RG-4731
	RG-4739	char frag	FE 52 roof fall	PP	1307fp	1344vv		
	RG-4740	char frag	FE 52 roof fall	PP				same as RG-4731
	RG-4741	char frag	FE 52 roof fall	PP	1318fp	1346vv		
	RG-4742	char frag	FE 52 roof fall	PP				same as RG-4763
	RG-4743	char frag	FE 52 roof fall	PP				same as RG-4763
	RG-4744	char frag	FE 52 roof fall	PP				same as RG-4763
	RG-4745	char frag	FE 52 floor contact	PP				same as RG-4731
	RG-4746	char frag	FE 52 floor contact	PP				same as RG-4734
	RG-4747	char frag	FE 52 floor contact	PP				same as RG-4734
	RG-4748	char frag	FE 52 floor contact	PP				same as RG-4734
	RG-4749	char frag	FE 52 floor contact	PP				same as RG-4734
	RG-4750	char frag	FE 52 floor contact	PP				same as RG-4734
	RG-4751	char frag	FE 52 floor contact	PP	no date			
	RG-4752	char frag	FE 52 floor contact	DF	no date			
	RG-4753	char frag	FE 52 roof fall	DF	1460p	1496v	inc	

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	RG-4754	char frag	FE 52 roof fall	DF	1473p	1497r	inc	
	RG-4755	char frag	FE 52 roof fall	PP				same as RG-4734
	RG-4756	char frag	FE 52 roof fall	PP				same as RG-4734
	RG-4757	char frag	FE 52 roof fall	PP				same as RG-4734
	RG-4758	char frag	FE 52 roof fall	PP				same as RG-4734
	RG-4759	char frag	FE 52 roof fall	PP				same as RG-4734
	RG-4760	char frag	FE 52 roof fall	PP				same as RG-4734
	RG-4761	char frag	FE 52 roof fall	PP				same as RG-4731
	RG-4762	char frag	FE 52 roof fall	PP				same as RG-4734
	RG-4763	char frag	FE 52 roof fall	PP	1257p	1410vv		
	RG-4764	char frag	FE 52 roof fall	PP				same as RG-4763
	RG-4765	char frag	FE 52 roof fall	PP				same as RG-4734
	RG-4766	char frag	FE 52 roof fall	PP				same as RG-4734
	RG-4767	char frag	FE 52 roof fall	PP	no date			
	RG-4768	char frag	FE 52 roof fall	PP				same as RG-4763
	RG-4769	char frag	FE 52 roof fall	PP				same as RG-4734
	RG-4770	char frag	FE 52 roof fall	PP				same as RG-4763
	RG-4771	char frag	FE 52 roof fall	PP				same as RG-4734
	RG-4772	char frag	FE 52 roof fall	PP				same as RG-4763
	RG-4773	char frag	FE 52 roof fall	PP				same as RG-4763

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	RG-4774	char frag	FE 52 roof fall	PP				same as RG-4734
	RG-4775	char frag	FE 52 roof fall	PP				same as RG-4763
	RG-4776	char frag	FE 52 roof fall	PP				same as RG-4763
	RG-4777	char frag	FE 52 roof fall	PP				same as RG-4763
	RG-4778	char frag	FE 52 roof fall	PP				same as RG-4763
	RG-4779	char frag	FE 52 roof fall	PP				same as RG-4763
	RG-4780	char frag	FE 52 roof fall	PP	1283p	1314vv		
	RG-4781	char frag	FE 52 roof fall	PP				same as RG-4763
	RG-4782	char frag	FE 52 roof fall	PP				same as RG-4734
	RG-4783	char frag	FE 52 roof fall	PP				same as RG-4763
	RG-4784	char frag	FE 52 roof fall	PP	no date			
	RG-4785	char frag	FE 52 floor contact	PP	no date			
	RG-4786	char frag	FE 52 floor contact	PP				same as RG-4734
	RG-4787	char frag	FE 52 floor contact	?	no date			vitrified knot
	RG-4788	char frag	FE 52 floor contact	?				short
	RG-4789	char frag	FE 52 roof fall	PP				same as RG-4763
	RG-4790	char frag	FE 52 roof fall	DF	no date			
	RG-4791	char frag	FE 52 roof fall	PP				same as RG-4734
	RG-4792	char frag	FE 52 roof fall	PP				same as RG-4763
	RG-4793	char frag	FE 52 roof fall	PP	1386fp	1470r	inc	
	RG-4794	char frag	FE 54 gen fill	PP	1399fp	1457vv		
	RG-4795	char frag	FE 54 gen fill	PP				same as RG-4763

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	RG-4796	char frag	FE 54 gen fill	PP				same as RG-4794
	RG-4797	char frag	FE 54 gen fill	PP	1378np	1439vv		
	RG-4798	char frag	FE 54 gen fill	PP				same as RG-4794
	RG-4799	char frag	FE 54 gen fill	PNN	no date			short
	RG-4800	char frag	FE 54 gen fill	POP	no date			short
	RG-4801	char frag	FE 54 gen fill	PP	1414fp	1478vv		
	RG-4802	char frag	FE 54 gen fill	PP				same as RG-4763
	RG-4803	char frag	FE 59 S wall	PP	no date			
	RG-4804	char frag	FE 59 floor fill	DF	no date			short
	RG-4805	char frag	FE 59 floor fill	POP	no date			short
	RG-4806	char frag	FE 68	PP				same as RG-4734
	RG-4807	char frag	FE 68	PP				same as RG-4734
	RG-4808	char frag	FE 68	DF	no date			short
	RG-4809	char frag	FE 68 floor fill	DF	no date			short
	RG-4810	char frag	FE 68 floor fill	PP	no date			
	RG-4811	char frag	FE 68 floor fill	DF	no date			short
	RG-4812	char frag	FE 68 floor fill	DF	no date			short
	RG-4813	char frag	FE 68 floor fill	DF	no date			short
	RG-4814	char frag	FE 68 floor fill	DF				missing from collection
	RG-4815	char frag	FE 68 floor fill	DF				same as RG-4812
	RG-4816	char frag	FE 68 floor fill	PP				same as RG-4734
	RG-4817	char frag	FE 68 floor fill	PP				same as RG-4734
	RG-4818	char frag	FE 68 floor fill	PP	no date			short
	RG-4819	char frag	no provenience	PP	1359fp	1404vv		
	RG-4820	char frag	no provenience	PP				same as RG-4734

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	RG-4821	char frag	no provenience	PP				same as RG-4734
	RG-4822	char frag	no provenience	PP				same as RG-4734
	RG-4823	char frag	no provenience	PP				same as RG-4734
	RG-4824	char frag	no provenience	PP				same as RG-4734
	RG-4825	char frag	no provenience	PP				same as RG-4763
	RG-4826	char frag	no provenience	PP				same as RG-4763
	RG-4827	char frag	no provenience	PP				same as RG-4763
	RG-4828	char frag	no provenience	PP				same as RG-4763
	RG-4829	char frag	no provenience	PP				same as RG-4763
	RG-4830	char frag	no provenience	PP				same as RG-4763
	RG-4831	char frag	no provenience	PP				same as RG-4731
	RG-4832	char frag	no provenience	PP				short
	RG-4833	char frag	no provenience	PP				same as RG-4763
	RG-4834	char frag	no provenience	PP				same as RG-4734
	RG-4835	char frag	no provenience	PP				same as RG-4734
	RG-4936	char frag	no provenience	PP				same as RG-4734
	RG-4837	char frag	no provenience	PP				same as RG-4734
	RG-4838	wd frag	no provenience	PP				short
Red Snake Hill (LA 6461)	RG-4890	char frag	FE 3 gen fill	JUN	no date			erratic
	RG-4891	char frag	FE 3 gen fill	JUN	no date			erratic
	RG-4892	char frag	FE 3 gen fill	JUN	no date			short

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	RG-4893	char frag	FE 3 gen fill	JUN	no date			erratic
	RG-4894	char frag	FE 3 gen fill	JUN	no date			erratic
North Bank Site (LA 6462)	RG-4895	char frag	FE 1	PNN	1116np	1152vv		
	RG-4896	char frag	FE 1	PP	1188fp	1239vv		
	RG-4897	char frag	FE 1	POP	no date			short
	RG-4898	char frag	FE 1	JUN	no date			FALSE
	RG-4899	char frag	FE 1	JUN	no date			erratic
	RG-4900	char frag	FE 1	PNN	no date			
	RG-4901	char frag	FE 1	POP	no date			
	RG-4902	char frag	FE 10 FILL	PNN	1208p	1246r	inc	
	RG-4903	char frag	FE 10 FILL	PNN	no date			short
	RG-4904	char frag	FE 10 FILL	PNN	no date			
	RG-4905	char frag	FE 12 FLOOR FILL	PNN	1248p	1280r	comp	
	RG-4906	char frag	FE 12 FLOOR FILL	PP	1157p	1191vv		
	RG-4907-1	char frag	FE 20 HEARTH	PNN	1200p	1229vv		
	RG-4908	char frag	FE 20 HEARTH	POP	no date			short
	RG-4909	char frag	FE 21 FIRE PIT	PNN	no date			
	RG-4910	char frag	FE 27 HEARTH	JUN	no date			short
	RG-4911	char frag	FE 30 FILL	JUN	no date			erratic
	RG-4912	char frag	FE 30 FILL	JUN	no date			short
	RG-4913	char frag	FE 30 ASH PIT	JUN	no date			false
	RG-4914	char frag	FE 33 FLOOR	JUN	no date			erratic
	RG-4915	char frag	FE 34 COOKING PIT	PNN	no date			short
	RG-4916	char frag	FE 34 FILL	PNN	no date			short
	RG-4917	char frag	FE 34 FILL	PNN	1205p	1244rB	inc	
	RG-4918	char frag	FE 34 FILL	PNN	no date			
	RG-4919	char frag	FE 37 FILL	PNN	1025p	1117++vv		
	RG-4920	char frag	FE 37 FILL	PNN	no date			same as RG-4919
	RG-4921	char frag	FE 37 FILL	PNN	no date			
	RG-4922	char frag	FE 37 FILL	POP	no date			short
	RG-4923	char frag	FE 37 FILL	PNN	1073np	1124vv		

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	RG-4924	char frag	FE 37 FILL	PNN				same as RG-4919
	RG-4925	char frag	FE 37 FILL	PNN				same as RG-4919
	RG-4926	char frag	FE 37 FILL	PNN	1212p	1246r	comp	
	RG-4927	char frag	FE 37 FILL	PNN	1095p	1128vv		
	RG-4928	char frag	FE 37 FLOOR CONTACT	PNN	1071p	1130v	inc	
	RG-4929	char frag	FE 37 FLOOR CONTACT	PNN	1202p	1247r	comp	
	RG-4930	char frag	FE 38	PNN	1024p	1118vv		
	RG-4931	char frag	FE 38	PNN	1032p	1128r	comp	
	RG-4932	char frag	FE 38 FILL	JUN	1036fp	1130rB	comp	
	RG-4933	char frag	FE 38 FILL	PNN	1050np	1129vv		
	RG-4934	char frag	FE 38 FILL	PNN	no date			
	RG-4935	char frag	FE 38 FILL	PNN				same as RG-4933
	RG-4936	char frag	FE 38 FILL	PNN	1083np	1130vv		
	RG-4937	char frag	FE 41	JUN	no date			
	RG-4938	char frag	FE 43 HEARTH	JUN	no date			
	RG-4939	char frag	FE 45 FLOOR FILL	POP	no date			
	RG-4940	char frag	FE 45 FLOOR FILL	PP	no date			
	RG-4941	char frag	FE 45 FLOOR FILL	PNN	1187+-p	1267+vv		
	RG-4942	char frag	FE 45 FLOOR FILL	DF	no date			
	RG-4943	char frag	FE 45 FLOOR FILL	PP	no date			
	RG-4944	char frag	FE 45 FLOOR FILL	PP	no date			
	RG-4945	char frag	FE 45 FLOOR FILL	PP	no date			
	RG-4946	char frag	FE 45 FLOOR FILL	PNN	1180p	1278+r	inc	
	RG-4947	char frag	FE 45 FLOOR FILL	PNN	1229p	1280+r	inc	
	RG-4948	char frag	FE 45 FLOOR FILL	PNN	1233p	1280r	comp	
	RG-4949	char frag	FE 45 FLOOR FILL	PNN				same as RG-4946
	RG-4950	char frag	FE 45 FLOOR FILL	DF				same as RG-4942
	RG-4951	char frag	FE 45 FLOOR FILL	PNN				same as RG-

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
								4946
	RG-4952	char frag	FE 45 FLOOR FILL	PNN	1235np	1280rB	inc	
	RG-4953	char frag	FE 45 FLOOR FILL	DF				same as RG-4942
	RG-4954	char frag	FE 45 FLOOR FILL	PP	1244+-p	1278rB	inc	
	RG-4955	char frag	FE 45 FLOOR FILL	PNN				same as RG-4952
	RG-4956	char frag	FE 45 FLOOR FILL	PNN	1241	1279vv		
	RG-4957	char frag	FE 45 FLOOR FILL	PP	no date			
	RG-4958	char frag	FE 45 FLOOR FILL	PNN	1201fp	1280r	comp	
	RG-4959	char frag	FE 45 FLOOR FILL	PP				same as RG-4954
	RG-4960	char frag	FE 45 FLOOR FILL	PNN				same as RG-4952
	RG-4961	char frag	FE 45 FLOOR FILL	PP	no date			
	RG-4962	char frag	FE 45 FLOOR FILL	PP	no date			
	RG-4963	char frag	FE 45 FLOOR FILL	PP	no date			
	RG-4964	char frag	FE 45 FLOOR FILL	PP	1249p	1280r	comp	
	RG-4965	char frag	FE 45 FLOOR FILL	PP	no date			
	RG-4966	char frag	FE 45 FLOOR FILL	PP				same as RG-4965
	RG-4967	char frag	FE 45 FLOOR FILL	PP				same as RG-4965
	RG-4968	char frag	FE 45 FLOOR FILL	PNN	1204p	1280rB	inc	
	RG-4969	char frag	FE 45 FLOOR FILL	PP	1248p	1280r	inc	
	RG-4970	char frag	FE 45 FLOOR FILL	PP	no date			short
	RG-4971	char frag	FE 45 FLOOR FILL	PP	1249p	1280r	inc	
	RG-4972	char frag	FE 45 FLOOR FILL	PNN	1205p	1232vv		
	RG-4973	char frag	FE 45 FLOOR FILL	PP				same as RG-4965
	RG-4974	char frag	FE 45 FLOOR FILL	PNN	1253p	1280r	inc	
	RG-4975	char frag	FE 45 FLOOR FILL	PP				same as RG-4965
	RG-4976	char frag	FE 45 FLOOR FILL	PP	1205p	1241vv		
	RG-4977	char frag	FE 45 FLOOR	PP	1251p	1280r	comp	

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
			CONTACT					
	RG-4978	char frag	FE 45 FLOOR CONTACT	PP				same as RG-4954
	RG-4979	char frag	FE 45 FLOOR CONTACT	PNN	1220p	1280rB	inc	
	RG-4980	char frag	FE 45 FLOOR CONTACT	PP	no date			
	RG-4981	char frag	FE 45 FLOOR CONTACT	PNN	1191p	1280r	comp	
	RG-4982	char frag	FE 45 FLOOR CONTACT	PP	no date			
	RG-4983	char frag	FE 45 FLOOR CONTACT	PP	1253p	1280r	inc	
	RG-4984	char frag	FE 45 FLOOR CONTACT	PNN	1235np	1280r	inc	
	RG-4985	char frag	FE 45 FLOOR CONTACT	PNN				same as RG-4979
	RG-4986	char frag	FE 45 FLOOR FILL	PP	1243p	1278+r	inc	
	RG-4987	char frag	FE 45 FLOOR FILL	PNN	1241p	1280r	comp	
	RG-4988	char frag	FE 45 FLOOR FILL	PP	no date			
	RG-4989	char frag	FE 45 FLOOR FILL	PP	1236p	1280r	inc	
	RG-4990	char frag	FE 45 FLOOR FILL	PP				same as RG-4954
	RG-4991	char frag	FE 45 FLOOR FILL	PNN	1194p	1278+rB	inc	
	RG-4992	char frag	FE 45 FLOOR FILL	PNN	1235p	1280r	comp	
	RG-4993	char frag	FE 45 FLOOR FILL	PP				same as RG-4954
	RG-4994	char frag	FE 45 FLOOR FILL	PP				same as RG-4989
	RG-4995	char frag	FE 45 FLOOR FILL	PNN				same as RG-4968
	RG-4996	char frag	FE 45 FLOOR FILL	PP	no date			
	RG-4997	char frag	FE 45 FLOOR CONTACT	PP	no date			short
	RG-4998	char frag	FE 45 FLOOR CONTACT	PNN	1245p	1280r	inc	

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	RG-4999	char frag	FE 45 FLOOR CONTACT	PP	no date			short
	RG-5000	char frag	FE 45 FLOOR CONTACT	PP				same as RG-4982
	RG-5001	char frag	FE 45 FLOOR CONTACT	PP	1243np	1280rB	inc	
	RG-5002	char frag	FE 45 FLOOR CONTACT	PNN	1249p	1280r	inc	
	RG-5003	char frag	FE 45 FLOOR CONTACT	PP	no date			short
	RG-5004	char frag	FE 45 FLOOR FILL	DF	no date			short
	RG-5005	char frag	FE 45 FLOOR FILL	PP	no date			short
	RG-5006	char frag	FE 45 FLOOR FILL	PP	1258p	1280rB	inc	
	RG-5007	char frag	FE 45 FLOOR FILL	PP				same as RG-4988
	RG-5008	char frag	FE 45 FLOOR FILL	PNN	1135p	1255++vv		
	RG-5009	char frag	FE 45 FLOOR FILL	PP	no date			short
	RG-5010	char frag	FE 45 FLOOR FILL	PP	no date			short
	RG-5011	char frag	FE 45 FLOOR FILL	PP	no date			
	RG-5012	char frag	FE 45 FLOOR FILL	PP				same as RG-4988
	RG-5013	char frag	FE 45 FLOOR FILL	PNN	1222p	1280r	inc	
	RG-5014	char frag	FE 45 FLOOR FILL	PNN	1254p	1280r	comp	
	RG-5015	char frag	FE 45 FLOOR FILL	PNN				same as RG-5013
	RG-5016	char frag	FE 45 FLOOR FILL	PNN	1165p	1277+r	inc	
	RG-5017	char frag	FE 45 FLOOR FILL	PNN				same as RG-5016
	RG-5018	char frag	FE 45 FLOOR FILL	PP	1245p	1277rB	inc	
	RG-5019	char frag	FE 45 FLOOR FILL	PNN	1242p	1280r	inc	
	RG-5020	char frag	FE 45 FLOOR FILL	PNN	1220p	1280rB	inc	
	RG-5021	char frag	FE 45 FLOOR FILL	PP	1231p	1278rB	inc	
	RG-5022	char frag	FE 45 FLOOR FILL	PNN	1193p	1272+r	inc	
	RG-5023	char frag	FE 45 FLOOR FILL	PP	no date			short

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	RG-5024	char frag	FE 45 FLOOR FILL	PNN	1211p	1280rB	inc	
	RG-5025	char frag	FE 45 FLOOR FILL	PP	no date			short
	RG-5026	char frag	FE 45 FLOOR FILL	PNN				same as RG-5016
	RG-5027	char frag	FE 45 FLOOR FILL	PNN	1256p	1280rB	inc	
	RG-5028	char frag	FE 45 FLOOR FILL	PNN	1240p	1280r	inc	
	RG-5029	char frag	FE 45 FLOOR FILL	PP				same as RG-5021
	RG-5030	char frag	FE 45 FLOOR FILL	PP	no date			short
	RG-5031	char frag	FE 45 FLOOR FILL	PP				same as RG-5021
	RG-5032	char frag	FE 45 FLOOR FILL	PNN	1231p	1269vv		
	RG-5033	char frag	FE 45 FLOOR FILL	PNN	1243p	1280rB	inc	
	RG-5034	char frag	FE 45 FLOOR FILL	PP	1217p	1276vv		
	RG-5035	char frag	FE 45 FLOOR FILL	DF	no date			short
	RG-5036	char frag	FE 45 FLOOR FILL	PP	no date			short
	RG-5037	char frag	FE 45 FLOOR FILL	PP	no date			
	RG-5038	char frag	FE 45 FLOOR FILL	PNN	1104p	1264++vv		
	RG-5039	char frag	FE 45 FLOOR FILL	PNN	1234p	1280rB	inc	
	RG-5040	char frag	FE 45 FLOOR FILL	PP	no date			
	RG-5041	char frag	FE 45 FLOOR FILL	PP				same as RG-4954
	RG-5042	char frag	FE 45 FLOOR FILL	PP	1245p	1280vv		
	RG-5043	char frag	FE 45 FLOOR FILL	PNN	no date			
	RG-5044	char frag	FE 45 FLOOR FILL	PNN				same as RG-4981
	RG-5045	char frag	FE 45 FLOOR FILL	PNN	1209p	1280r	inc	
	RG-5046	char frag	FE 45 FLOOR FILL	PNN				same as RG-5038
	RG-5047	char frag	FE 45 FLOOR FILL	PNN	1214p	1280rB	inc	
	RG-5048	char frag	FE 45 FLOOR FILL	PNN				same as RG-4981
	RG-5049	char frag	FE 45 FLOOR FILL	PP	no date			short
	RG-5050	char frag	FE 45 FLOOR FILL	PNN	1110p	1222+vv		

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	RG-5051	char frag	FE 45 FLOOR FILL	PNN	1152fp	1215vv		
	RG-5052	char frag	FE 45 FLOOR FILL	PNN				same as RG-5047
	RG-5053	char frag	FE 45 ROOF FALL	PP	no date			short
	RG-5054	char frag	FE 45 ROOF FALL	PP	1243p	1280r	inc	
	RG-5055	char frag	FE 45 ROOF FALL	PNN	1236	1280r	inc	
	RG-5056	char frag	FE 45 ROOF FALL	PNN	1244p	1280r	inc	
	RG-5-57	char frag	FE 45 ROOF FALL	PNN	1224p	1280rB	inc	
	RG-5058	char frag	FE 45 ROOF FALL	PNN	1228p	1275vv		
	RG-5059	char frag	FE 45 ROOF FALL	PNN				same as RG-5058
	RG-5060	char frag	FE 45 ROOF FALL	PNN	1204p	1278v		
	RG-5061	char frag	FE 45 ROOF FALL	PNN	1193np	1279+r	inc	
	RG-5062	char frag	FE 45 ROOF FALL	PP	no date			short
	RG-5063	char frag	FE 65 GEN FILL	PNN	1227p	1275vv		
	RG-5064	char frag	FE 65 GEN FILL	POP	no date			
	RG-5065	char frag	FE 84 GEN FILL	JUN	no date			false
	RG-5066	char frag	FE 84 GEN FILL	JUN	no date			false
	RG-5067	char frag	FE 84 GEN FILL	JUN	no date			false
	RG-5068	char frag	FE 84 GEN FILL	PNN	no date			
	RG-5069	char frag	FE 84 GEN FILL	PNN	1022p	1118vv		
	RG-5070	char frag	FE 84 GEN FILL	JUN	no date			erratic
	RG-5071	char frag	FE 84 GEN FILL	JUN	no date			false
	RG-5072	char frag	FE 85 FILL	JUN	no date			
	RG-5073	char frag	FE 85 FILL	JUN	no date			
	RG-5074	char frag	FE 85 FILL	JUN	no date			
	RG-5075	char frag	FE 85 FILL	POP	no date			
	RG-5076	char frag	FE 85 FILL	PNN	1116p	1165v	inc	
	RG-5077	char frag	FE 85 FILL	POP	no date			
	RG-5078	char frag	FE 85 FILL	JUN	no date			short
	RG-5079	char frag	FE 85 FLOOR CONTACT	PNN	111p	1163vv		
	RG-5080	char frag	FE 85 FLOOR CONTACT	JUN	no date			false

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	RG-5081	char frag	FE 87 FILL	POP	no date			
	RG-5082	char frag	FE 87 FILL	POP	no date			
	RG-5083	char frag	FE 87 FILL	PP	no date			short
	RG-5084	char frag	FE 87 FILL	JUN	no date			short
	RG-5085	char frag	FE 87 FILL	PNN	no date			
	RG-5086	char frag	FE 87 FILL	POP	no date			
	RG-5087	char frag	FE 87 FILL	JUN	no date			erratic
	RG-5088	char frag	FE 87 FILL	POP	no date			
	RG-5089	char frag	FE 87 FILL	JUN	no date			false
	RG-5090	char frag	FE 87 FILL	POP	no date			
	RG-5091	char frag	FE 87 FLOOR FILL	JUN	no date			short
	RG-5092	char frag	FE 87 W BIN IN N WALL	POP	no date			
	RG-5093	char frag	FE 87 W BIN IN N WALL	JUN	no date			short
	RG-5094	char frag	FE 87 W BIN IN N WALL	JUN	no date			erratic
	RG-5095	char frag	FE 87 FILL	JUN	no date			
	RG-5096	char frag	FE 87 FILL	JUN	no date			false
	RG-5097	char frag	FE 88 FILL	JUN	no date			false
	RG-5098	char frag	FE 88 FILL	JUN	no date			
	RG-5099	char frag	FE 88 FILL	JUN	no date			false
	RG-5100	char frag	FE 88 FILL	PP	no date			
	RG-5101	char frag	FE 88 FILL	POP	no date			
	RG-5102	char frag	FE 88 FILL	POP	no date			
	RG-5103	char frag	FE 96 HEARTH	JUN	no date			short
	RG-5104	char frag	FE 96 HEARTH	JUN	no date			false
	RG-5105	char frag	FE 96 HEARTH	JUN	no date			false
	RG-5106	char frag	FE 99 GEN FILL	PNN	1198p	1262vv		
	RG-5107	char frag	FE 99 GEN FILL	JUN	no date			erratic
	RG-5108	char frag	FE 99 FLOOR FILL	JUN	no date			false
	RG-5109	char frag	FE 99 FLOOR FILL	PNN	1143p	1182vv		
	RG-5110	char frag	FE 99 FLOOR FILL	JUN	no date			short
	RG-5111	char frag	FE 99 FLOOR FILL	PNN	1203p	1266r	inc	

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	RG-5112	char frag	FE 99 FLOOR FILL	PNN	no date			
	RG-5113	char frag	FE 99 FLOOR CONTACT	JUN	no date			false
	RG-5114	char frag	FE 99 FLOOR CONTACT	PNN	1203p	1261+r	inc	
	RG-5115	char frag	FE 99 FLOOR CONTACT	PNN				same as RG-5114
	RG-5116	char frag	FE 103 FILL	PNN	1046p	1109vv		
	RG-5117	char frag	FE 103 FILL	PP	no date			short
	RG-5118	char frag	FE 103 FILL	PNN	no date			
	RG-5119	char frag	FE 103 FLOOR CONTACT	POP	no date			
	RG-5120	char frag	FE 103 FLOOR CONTACT	POP	no date			
	RG-5121	char frag	FE 103 FLOOR CONTACT	PP	1128p	1174r	inc	
	RG-5122	char frag	FE 103 FLOOR CONTACT	JUN	no date			false
	RG-5123	char frag	FE 103 FLOOR CONTACT	JUN	no date			
	RG-5124	char frag	FE 103 FLOOR CONTACT	POP	no date			
	RG-5125	char frag	FE 103 FLOOR CONTACT	PNN	1094np	1152vv		
	RG-5126	char frag	FE 103 FLOOR CONTACT	PNN	1086p	1148r	inc	
	RG-5127	char frag	FE 103 FLOOR CONTACT	POP	no date			
	RG-5128	char frag	FE 103 FLOOR CONTACT	POP	no date			
	RG-5129	char frag	FE 103 FLOOR CONTACT	ATTR?	no date			
	RG-5130	char frag	FE 103 FLOOR CONTACT	PNN	1074p	1140rB	inc	
	RG-5131	char frag	FE 103 FLOOR CONTACT	PP				
	RG-5132	char frag	FE 103 FIRE PIT	PNN	1133fp	1168vv		

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	RG-5133	char frag	FE 103 FIRE PIT	PNN				same as RG-5132
	RG-5134	char frag	FE 103 FIRE PIT	POP	no date			
	RG-5135	char frag	FE 106	PNN	1133p	1206r	comp	
	RG-5136	char frag	FE 106	PNN	1172	1206r	inc	
	RG-5137	char frag	FE 106	PNN	1160p	1206r	comp	
	RG-5138	char frag	FE 108 GEN FILL	DF	no date			
	RG-5139	char frag	FE 108 GEN FILL	JUN	no date			short
	RG-5140	char frag	FE 108 GEN FILL	PNN	1162p	1223+vv		
	RG-5141	char frag	FE 108 GEN FILL	PNN	1155fp	1209vv		
	RG-5142	char frag	FE 108 GEN FILL	?	no date			short
	RG-5143	char frag	FE 108 GEN FILL	?	no date			
	RG-5144	char frag	FE 108 GEN FILL	JUN	no date			short
	RG-5145	char frag	FE 108 GEN FILL	PNN	1152fp	1209vv		
	RG-5146	char frag	FE 108 GEN FILL	POP	no date			
	RG-5147	char frag	FE 108 GEN FILL	POP	no date			
	RG-5148	char frag	FE 109 FILL	PP	no date			
	RG-5149	char frag	FE 109 FILL	PP	no date			
	RG-5150	bark	FE 109 FILL	PP	no date			
	RG-4907-2	char frag	FE 20 HEARTH	PNN	1200p	1248vv		
	RG-4907-3	char frag	FE 20 HEARTH	PNN	1202p	1244vv		
LA 9139	CDP-27	char frag	FE 1	PP	1534fp	1675vv		
	CDP-28	char frag	FE 1	PP	1724	1767vv		
	CDP-29	char frag	FE 1	PNN	no date			
	CDP-30	char frag	FE 1 roof fall	PP				same as CDP-27
	CDP-31	char frag	FE 1 roof fall	PP	no date			
Bandelier Big Kiva	RG-5156	char frag	Frijoles Canyon	PP	1343fp	1504vv		
	RG-5157	char frag	Frijoles Canyon	PP	1362np	1426vv		
	RG-5158	char frag	Frijoles Canyon	PP				same as RG-5156
	RG-5159	char frag	Frijoles Canyon	PP				same as RG-5156
	RG-5160	char frag	Frijoles Canyon	PP				same as RG-

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
								5156
	RG-5161	char frag	Frijoles Canyon	PP				same as RG-5156
	RG-5162	char frag	Frijoles Canyon	PP				same as RG-5156
	RG-5163	char frag	Frijoles Canyon	PP				same as RG-5157
	RG-5164	char frag	no provenience	PP	no date			
	RG-5165	char frag	west entrance	PP	1322fp	1505+r	inc	
	RG-5166	char frag	west entrance	PP				same as RG-5165
	RG-5167	char frag	west entrance	PP				same as RG-5165
	RG-5168	char frag	west entrance	PP				same as RG-5165
	RG-5169	char frag	west entrance	PP				same as RG-5156
	RG-5170	char frag	west entrance	PP				same as RG-5165
	RG-5171	char frag	south fill of kiva	PP	1320	1383vv		
	RG-5172	char frag	south fill of kiva	PP?	no date			
	RG-5173	char frag	south fill of kiva	DF	1489p	1523v	comp	
	RG-5174	char frag	south fill of kiva	DF	no date			
	RG-5175	char frag	south fill of kiva	?	no date			
	RG-5176	char frag	south fill of kiva	PP	no date			
	RG-5177	char frag	south fill of kiva	DF				same as RG-5173
	RG-5178	char frag	south fill of kiva	DF	1470p	1522r	comp	
	RG-5179	char frag	south fill of kiva	DF				same as RG-5178
	RG-5180	char frag	south fill of kiva	PP	no date			
	RG-5181	char frag	south fill of kiva	DF	no date			
	RG-5182	char frag	south fill of kiva	PP	no date			
	RG-5183	char frag	south fill of kiva	DF	no date			
	RG-5184	char frag	south fill of kiva	PP	no date			

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	RG-5185	char frag	south fill of kiva	PP	1473fp	1521vv		
	RG-5186	char frag	south fill of kiva	?				same as RG-5175
	RG-5187	char frag	south fill of kiva	PP	1433fp	1470vv		
	RG-5188	char frag	south fill of kiva	PP				same as RG-5185
	RG-5189	char frag	south fill of kiva	PP				same as RG-5171
	RG-5190	char frag	south fill of kiva	?				same as RG-5175
	RG-5191	char frag	south fill of kiva	DF	1493p	1525r	comp	
	RG-5192	char frag	south fill of kiva	DF				same as RG-5173
	RG-5193	char frag	south fill of kiva	DF	1484np	1524v	inc	
	RG-5194	char frag	south fill of kiva	PP	no date			
	RG-5195	char frag	south fill of kiva	PP	no date			
	RG-5196	char frag	south fill of kiva	DF				same as RG-5191
	RG-5197	char frag	south fill of kiva	DF	1497p	1518vv		
	RG-5198	char frag	south fill of kiva	PP	no date			
	RG-5199	char frag	south fill of kiva	DF				same as RG-5191
	RG-5200	char frag	south fill of kiva	PP				same as RG-5171
	RG-5201	char frag	south fill of kiva	PP	no date			
	RG-5202	char frag	south fill of kiva	PP				same as RG-5182
	RG-5203	char frag	south fill of kiva	PP				same as RG-5171
	RG-5204	char frag	south fill of kiva	PP	1329fp	1410vv		
	RG-5205	char frag	south fill of kiva	PP	no date			
	RG-5206	char frag	south fill of kiva	DF	1509fp	1523r	inc	
	RG-5207	char frag	south fill of kiva	DF	no date			
	RG-5208	char frag	south fill of kiva	PP	no date			
	RG-5209	char frag	south fill of kiva	PP				same as RG-5204

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	RG-5210	char frag	south fill of kiva	DF	1473p	1525+vv		
	RG-5211	char frag	south fill of kiva	?				same as RG-5175
	RG-5212	char frag	south fill of kiva	DF				same as RG-5206
	RG-5213	char frag	south fill of kiva	PP				same as RG-5171
	RG-5214	char frag	south fill of kiva	DF				same as RG-5178
	RG-5215	char frag	south fill of kiva	DF	no date			
	RG-5216	char frag	south fill of kiva	DF	no date			
	RG-5217	char frag	south fill of kiva	DF				same as RG-5206
	RG-5218	char frag	south fill of kiva	DF				same as RG-5178
	RG-5219	char frag	south fill of kiva	PP				same as RG-5182
	RG-5220	char frag	south fill of kiva	PP				same as RG-5171
	RG-5221	char frag	south fill of kiva	DF	no date			
	RG-5222	char frag	south fill of kiva	PP	no date			
	RG-5223	char frag	south fill of kiva	?				same as RG-5165
	RG-5224	char frag	south fill of kiva	DF				same as RG-5165
	RG-5225	char frag	south fill of kiva	PP				same as RG-5165
	RG-5226	char frag	Project I west entrance	PP				same as RG-5165
	RG-5227	char frag	Project I west entrance	PP				same as RG-5165
	RG-5228	char frag	Project I west entrance	PP				same as RG-5165
	RG-5229	char frag	Project I west entrance	PP				same as RG-5165
	RG-5230	char frag	Project I west entrance	PP				same as RG-5165

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	RG-5231	char frag	Project I west entrance	PP				same as RG-5165
	RG-5232	char frag	Project I west entrance	PP				same as RG-5165
	RG-5233	char frag	Project I west entrance	PP				same as RG-5165
	RG-5234	char frag	Project I west entrance	PP				same as RG-5165
	RG-5235	char frag	Project I west entrance	PP	no date			
	RG-5236	char frag	Project I west entrance	PP				same as RG-5165
	RG-5237	char frag	Project I west entrance	PP				same as RG-5165
	RG-5238	char frag	Project I west entrance	PP				same as RG-5165
	RG-5239	char frag	Project I west entrance	PP	1447p	1494vv		
	RG-5240	char frag	Project I west entrance	PP				same as RG-5165
	RG-5241	char frag	Project I west entrance	PP				same as RG-5165
	RG-5242	char frag	Project I west entrance	PP				same as RG-5165
	RG-5243	char frag	Project I west entrance	PP				same as RG-5165
	RG-5244	char frag	Project I west entrance	PP				same as RG-5165
	RG-5245	char frag	Project I west entrance	PP				same as RG-5165
	RG-5246	char frag	Project I west entrance	PP				same as RG-5165
	RG-5247	char frag	Project I west entrance	PP				same as RG-5165
	RG-5248	char frag	Project I west entrance	PP				same as RG-5165
	RG-5249	char frag	Project I west entrance	PP				same as RG-5165
	RG-5250	char frag	Project I west entrance	PP				same as RG-

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
								5165
	RG-5251	char frag	Project I west entrance	PP				same as RG-5165
	RG-5252	char frag	Project I west entrance	PP				same as RG-5165
	RG-5253	char frag	Project I west entrance	PP				same as RG-5165
	RG-5254	char frag	Project I west entrance	PP				same as RG-5165
	RG-5255	char frag	Project I west entrance	PP				same as RG-5165
	RG-5256	char frag	Project I west entrance	PP				same as RG-5165
	RG-5257	char frag	Project I west entrance	PP				same as RG-5165
	RG-5258	char frag	Project I west entrance	PP				same as RG-5165
	RG-5259	char frag	Project I west entrance	PP				same as RG-5165
	RG-5260	char frag	Project I west entrance	PP				same as RG-5165
LA 12121	BNM-33	char frag	Rm 3	PNN	1108p	1154vv		
	BNM-34	wd x-sect	Rm 3	PNN	no date			
	BNM-35	wd x-sect	Rm 3	PNN	1187p	1149vv		
	BNM-36	char frag	Rm 3	PNN	1109np	1149vv		
	BNM-37	char frag	Rm 3	PNN	no date			
	BNM-38	char frag	Rm 3	PNN	1120p	1150+v	inc	short
	BNM-39	wd x-sect	Rm 3	PNN	1117p	1149vv		
	BNM-40	wd x-sect	Rm 3	PNN	no date			
	BNM-41	char frag	Rm 4	PNN	1122p	1177v	inc	
	BNM-42	char frag	Rm 4	PNN	1133p	1177v	inc	
	BNM-43	char frag	Rm 4	PNN	1117p	1177v	inc	
	BNM-44	char frag	Rm 4	PNN	1136p	1177r	inc	
	BNM-45	char frag	Rm 4	PNN	1125p	1177r	inc	
	BNM-46	char frag	Rm 4	PNN	1114p	1162r	inc	

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	BNM-47	wd frag	Rm 2	PNN	1111p	1148vv		
	CDP-268	char frag	RM 4 fill	PNN	1118p	1180vv		
	CDP-269	char frag	Rm 3 fill	PNN	1101p	1152vv		
LA 13659	BNM-50	char frag	Str 2	PP	no date			short
	BNM-51	char frag	Str 2	PP	no date			short
LA 12119	BNM-11	char frag	Kiva 1	JUN	no date			
	BNM-12	char frag	Kiva 1	PNN	no date			
	BNM-13	char frag	Kiva 1	PNN	1146	1191+vv		
	BNM-14	char frag	Kiva 1	JUN	no date			
	BNM-15	char frag	Kiva 1	PNN	no date			
	BNM-16	char frag	Kiva 1	PNN	1302+-p	1396vv		
	BNM-17	char frag	Kiva 1	PNN	1221p	1278+vv		
	BNM-18	char frag	Kiva 2	PP	1326	1419vv		
	BNM-19	char frag	Kiva 2	PP	no date			
	BNM-20	char frag	Kiva 2	JUN	no date			
	BNM-21	char frag	Kiva 2	PNN	no date			
	BNM-22	char frag	Kiva 3	PNN	no date			
	BNM-23	char frag	Rm 1	PNN	no date			short
	BNM-24	char frag	Rm 2	PNN	no date			short
	BNM-25	char frag	Rm 5	PNN	no date			
	BNM-26	char frag	Rm 5	JUN	no date			
	BNM-27	char frag	Rm 14	JUN	no date			
	BNM-28	char frag	Rm 14	PNN	1162	1203vv		short
	BNM-29	char frag	Rm 16	JUN	no date			
	BNM-30	char frag	Rm 18	JUN	no date			
	BNM-31	char frag	Rm 21	JUN	no date			
	BNM-32	char frag	Rm 21	JUN	no date			
	CDP-254	char frag	N13 E16	PNN	no date			
	CDP-255	char frag	N14 W18	JUN	no date			
	CDP-256	char frag	Rm 1	PNN	no date			
	CDP-257	char frag	Kiva 1	PNN	no date			
	CDP-258	char frag	Kiva 1	PNN	no date			same as CDP=267

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	CDP-259	char frag	Kiva 1	PNN	no date			
	CDP-260	char frag	Kiva 1	JUN	no date			
	CDP-261	char frag	Kiva 1	DF	no date			
	DCP-262	char frag	Kiva 1	PNN	no date			
	CDP-263	char frag	Kiva 1	PNN	no date			
	CDP-264	char frag	Kiva 1	PNN	no date			same as CDP-265
	CDP-265	char frag	Kiva 1	PNN				same as CDP-264
	CDP-266	char frag	Kiva 1	PNN	no date			
	CDP-267	char frag	Kiva 1	PNN				same as CDP-258
LA 12578	BNM-49	wd frag	surface	PNN	no date			
LA 12567	none	char frag	unknown	Quer	no date			oak discarded
LA 12581	BNM-48	char frag	Rm 1	JUN	no date			short
Cavate E Mesa	PAJ-1	wd sect	gen site	PP	1628p	1674vv		
Kiva 1 Site 118	PAJ-2	wd sect	gen site	PP	1792	1830r	inc	
Cavate Site 127	PAJ-3	char frag	gen site	PP	no date			
	PAJ-4	char frag	gen site	PP	no date			
Cavate 128	PAJ-5	wd sect	gen site	PNN	no date			
Site 252	PAJ-6	char frag	potted Rm 3	fir	no date			short
	PAJ-7	char frag	potted Rm 3	fir	no date			short
	PAJ-8	wd frag	potted Rm 3	JUN	no date			short
	PAJ-9	wd frag	potted Rm 4	JUN	no date			
	PAJ-10	wd frag	potted Rm 4	JUN	no date			erratic
	PAJ-11	wd frag	potted Rm 4	JUN	no date			erratic
	PAJ-12	char frag	potted Rm 4	PP	no date			erratic
	PAJ-13	wd sect	?	PP	1797p	1844+vv		
	PAJ-14	wd sect	?	JUN	no date			
	PAJ-15	wd sect	?	POP	no date			
	PAJ-16	wd sect	?	POP	no date			
	PAJ-17	wd sect	?	POP	no date			
LA Mesa Fire	BNM-52	char frag	N of Rm 1	PP	1356p	1401+vv	inc	

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
Site	BNM-53	char frag	W of Rm 1	PP				short
	BNM-54	char frag	N of Rm 1& 2	PP	1347	1412+vv	inc	
LA 3824	BNM-55	char frag	none	DF	no date			
	BNM-56	char frag	none	DF	no date			
	BNM-57	char frag	none	DF	no date			
	BNM-58	char frag	none	DF	no date			
	BNM-59	char frag	none	PP	no date			
	BNM-60	char frag	none	PP	no date			
	BNM-61	char frag	none	PP	no date			
Gomez Homestead (LA 86643)	LAC-14	wd x-sect	top log E wall	JUN	no date			
	LAC-25	wd BE	sample 1	JUN	no date			metal ax-cut
	LAC-26	wd x-sect	sample 2	JUN	no date			
	LAC-27	wd x-sect	sample 3	JUN	no date			
	LAC-28	wd x-sect	sample 4	JUN	no date			
	LAC-29	wd x-sect	sample 5	JUN	no date			
	LAC-30	wd x-sect	sample 6	JUN	no date			
	LAC-31	wd x-sect	fence post	JUN	no date			
Anchor Ranch (LA 16808)	LAC-10	wd x-sect	Str 1	PP	no date			
	LAC-11	wd x-sect	Str 1	PP	no date			
	LAC-12	wd x-sect	Str 1	PP	no date			
	LAC-13	wd x-sect	Str 1	PP	1806p	1929GB	comp	
	LAC-52	wd x-sect	Ice house main roof beam	PP	no date			
	LAC-53	wd x-sect	Ice house E door lintel	PP				same as LAC-34
	LAC-54	wd x-sect	Ice house W side	PP	1822p	1933rGB	comp	
	LAC-55	wd x-sect	Ice house W side	PP	1798p	1933rLGB	comp	
	LAC-56	wd x-sect	Ice house S side	PP	1878p	1933rLGB	comp	
	LAC-57	wd x-sect	Ice house S side	PP	1790p	1896++rlGB	comp	

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
Vigil Y Montoya Homestead (LA 70028)	LAC-62	wd x-sect	sw corner FE 1	PP	no date			
	LAC-63	wd x-sect	sw corner FE 1	PP	no date			
	LAC-64	wd x-sect	near loaf pan	PP	1836p	1963++G		
	LAC-65	wd x-sect	FE 7 surface	PP	no date			short
	LAC-66	wd x-sect	FE 7 surface	PP	no date			short
	LAC-67	wd x-sect	FE 7 surface	JUN	no date			false
	LAC-68	wd BE	FE 7 surface	PNN	1562	1720vv		
	LAC-69	wd BE	FE 7 surface	PP	no date			complacent
	LAC-70	wd x-sect	FE 7 surface	PP	no date			short
	LAC-71	wd x-sect	FE 6 privy	PP	no date			complacent
	LAC-72	wd x-sect	FE 4	PP	no date			
	LAC-73	wd BE	FE 4 s log	PP	1836p	1911++G		
	LAC-74	wd x-sect	Fe 4 W log	PP	no date			short
	LAC-75	wd x-sect	FE 4 lower log	DF	no date			short
	LAC-76	wd x-sect	FE 4 N log	PP	no date			
	LAC-77	wd x-sect	FE 4 SS log	PP	no date			short
	LAC-78	wd BE	FE 4 E log	PP	no date			
	LAC-79	wd BE	NW of FE 3	PP				same as LAC-80
	LAC-80	wd BE	Horno Fe 3	PP	1650p	1855+vv		
	LAC-81	wd BE	N of Fe 6	PP	1790p	1833vv		
Homestead bridge (LA 89826)	LAC-32	wd x-sect	w log S side	PP				short
	LAC-33	wd x-sect	E log S side	PP				erratic
	LAC-34	wd x-sect	C	PP	1783p	1899+rlg B		same as LAC-53
Montoya	LAC-35	wd BE	garden NE corner	PP	no date			short

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
Homestead (LA 21334)	LAC-36	wd BE	garden NE corner	PP	no date			short
	LAC-37	wd BE	garden NE corner	PP				same as LAC-36
	LAC-38	wd x-sect	garden center	PP	1794	1915++vv		
	LAC-39	wd x-sect	canyon fence	PP	1709p	1777vv		
	LAC-40	wd x-sect	canyon fence	PP	1687p	1746vv		
	LAC-41	wd x-sect	canyon fence	PP	1687p	1791vv		
	LAC-42	wd x-sect	canyon fence	pnn	1749p	1840vv		
Homestead fence (LA 89770)	LAC-43	wd BE	boundary fence	PP	1793p	1831vv		
	LAC-44	wd BE	boundary fence	PP	1777p	1820+vv		
	LAC-45	wd BE	boundary fence	PP	1796p	1834+vv		
	LAC-46	wd BE	boundary fence	PP	1767p	1848+vv		
	LAC-47	wd BE	boundary fence	PP	no date			complacent
	LAC-48	wd BE	boundary fence	PP	no date			short
	LAC-49	wd BE	boundary fence	PP	1775p	1737vv		
	LAC-50	wd BE	boundary fence	PP	no date			short
	LAC-51	wwd sect	boundary fence	PP	1809p	1890vv		
Serna Homestead (LA 85407)	LAC-58	char BE	wood pile SE	PP	1769	1815vv		no sapwood
	LAC-59	wd x-sect	wood pile SE	PP	1754p	1819vv		no sapwood
	LAC-60	BE frag	wd struct W	PP	1685	1792vv		no sapwood
	LAC-61	wd BE	fence	PP	1780p	1826vv		no sapwood
Romero Cabin (LA 16806)	ROM-1	wd x-sect	Cabin Structure 1	PP	1784p	1908++v	inc	
	ROM-2	wd x-sect	Cabin Structure 1	PP	1792p	1961+v	inc	
	ROM-3	wd x-sect	Cabin Structure 1	PP	1924p	1966rLB	comp	
	ROM-4	wd x-sect	Cabin Structure 1	PP	1936p	1966rLB	comp	
	ROM-5	wd x-sect	Cabin Structure 1	PP	1789p	1934rB	inc	
	ROM-6	wd x-sect	Cabin Structure 1	PP	1851p	1934r	inc	
	ROM-7	wd x-sect	Cabin Structure 1	PP	1832p	1934r	inc	
	ROM-8	wd x-sect	Cabin Structure 1	PP	1788p	1934G	inc	
	ROM-9	wd x-sect	Cabin Structure 1	PP	1823p	1934r	inc	
	ROM-10	wd x-sect	Cabin Structure 1	PP	1783p	1933v	comp	
	ROM-11	wd x-sect	Cabin Structure 1	PP	1829p	1960+v	inc	

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	ROM-12	wd x-sect	Cabin Structure 1	PP	1795p	1934v	inc	
	ROM-13	wd x-sect	Cabin Structure 1	PP	1830p	1934r	inc	
	ROM-14	wd x-sect	Cabin Structure 1	PP	1833p	1934rB	inc	
	ROM-15	wd x-sect	Cabin Structure 1	PP	1863p	1934rB	inc	
	ROM-16	wd x-sect	Cabin Structure 1	PP	1822p	1960+rB	inc	
	ROM-17	wd x-sect	Cabin Structure 1	PP	1796p	1934r	inc	
	ROM-18	wd x-sect	Cabin Structure 1	PP	1793p	1934v	inc	
	ROM-19	wd x-sect	Cabin Structure 1	PP	no date			
	ROM-20	wd x-sect	Cabin Structure 1	PP	no date			
	ROM-21	wd x-sect	Cabin Structure 1	PP	1935p	1966r	comp	
	ROM-22	wd x-sect	Cabin Structure 1	PP	1787p	1934r	inc	
	ROM-23	wd x-sect	Cabin Structure 1	PP	1833p	1934v	inc	
	ROM-24	wd x-sect	Cabin Structure 1	PP	1923p	1966rB	comp	
	ROM-25	wd x-sect	Cabin Structure 1	PP	1822p	1913G	inc	
	ROM-26	wd x-sect	Cabin Structure 1	PP	1872p	1934r	inc	
	ROM-27	wd x-sect	Cabin Structure 1	PP	1797p	1934v	inc	
	ROM-28	wd x-sect	Cabin Structure 1	PP	1798p	1934r	inc	
	ROM-29	wd x-sect	Cabin Structure 1	PP	1825p	1934r	inc	
	ROM-30	wd x-sect	Cabin Structure 1	PP	1821p	1934r	inc	
	ROM-31	wd x-sect	Cabin Structure 1	PP	1885p	1934r	inc	
	ROM-32	wd x-sect	Cabin Structure 1	PP	1827p	1934r	inc	
	RPM-33	wd x-sect	Cabin Structure 1	PP	1832p	1934rB	inc	
	ROM-34	wd x-sect	Cabin Structure 1	PP	1832p	1934rB	inc	
	ROM-35	wd x-sect	Cabin Structure 1	PP	1931p	1966LB	comp	
	ROM-36	wd x-sect	Cabin Structure 1	PP	1812p	1934rB	inc	
	ROM-37	wd x-sect	Cabin Structure 1	PP	1834p	1935rG	inc	
	ROM-38	wd x-sect	Cabin Structure 1	PP	1855p	1937+G	inc	
	ROM-39	wd x-sect	Cabin Structure 1	PP	1934p	1966LGB	comp	
	ROM-40	wd x-sect	Cabin Structure 1	PP	1844p	1938G	inc	
	ROM-41	wd x-sect	Cabin Structure 1	PP	1839p	1960+v	inc	
	ROM-42	wd x-sect	Cabin Structure 1	PP	1923p	1966rLB	comp	
	ROM-43	wd x-sect	Cabin Structure 1	PP	1934p	1966rB	comp	
	ROM-44	wd x-sect	Cabin Structure 1	PP	1909p	1934rG	inc	

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	ROM-45	wd x-sect	Cabin Structure 1	PP	1803p	1934r	inc	
	ROM-46	wd x-sect	Cabin Structure 1	PP	1829p	1934v	inc	
	ROM-47	wd x-sect	Cabin Structure 1	PP	1818p	1934v	inc	
	ROM-48	wd x-sect	Cabin Structure 1	PP	1812p	1934v	inc	
	ROM-49	wd x-sect	Cabin Structure 1	PP	1869p	1937+rG	comp	
	ROM-50	wd x-sect	Cabin Structure 1	PP	no date			
	ROM-51	wd x-sect	Cabin Structure 1	PP	1921p	1966r	comp	
	ROM-52	wd x-sect	Cabin Structure 1	PP	1822p	1961+rLB	inc	
	ROM-53	wd x-sect	Cabin Structure 1	PP				same as ROM-45
	ROM-54	wd x-sect	Cabin Structure 1	PP	1814p	1934r	inc	
	ROM-55	wd x-sect	FE 2 Hog Pen	PP	no date			
	ROM-56	wd x-sect	FE 2 Hog Pen	PP	1855p	1907vv		
	ROM-57	wd x-sect	FE 2 Hog Pen	PP	1809p	1912B	inc	
	ROM-58	wd x-sect	FE 2 Hog Pen	PP	1835p	1931vv		
	ROM-59	wd x-sect	FE 2 Hog Pen	PP	no date			
	ROM-60	wd x-sect	FE 2 Hog Pen	PP	1855p	1912G	inc	
	ROM-61	wd x-sect	FE 2 Hog Pen	PP	1799p	1895rG	inc	
	ROM-62	wd x-sect	FE 2 Hog Pen	PP				same as ROM-63
	ROM-63	wd x-sect	FE 2 Hog Pen	DF	1829p	1910r	inc	
	ROM-64	wd x-sect	FE 2 Hog Pen	DF	1877p	1912G	inc	
	ROM-65	wd x-sect	FE 2 Hog Pen	PP	1848p	1906+rG	inc	
	ROM-66	wd x-sect	FE 2 Hog Pen	PP	1783p	1912LB	inc	
	ROM-67	wd x-sect	FE 2 Hog Pen	PP	1885p	1912G	comp	
	ROM-68	wd x-sect	FE 2 Hog Pen	PP	1859p	1912G	comp	
	ROM-69	wd x-sect	FE 2 Hog Pen	PP	1850p	1912G	inc	
	ROM-70	wd x-sect	FE 2 Hog Pen	PP	1859p	1912G	inc	
	ROM-71	wd x-sect	FE 2 Hog Pen	PP	1763p	1912G	inc	
	ROM-72	wd x-sect	FE 2 Hog Pen	PP	1813p	1894r	inc	
	ROM-73	wd x-sect	FE 2 Hog Pen	PP	1793p	1912GB	comp	
	ROM-74	wd x-sect	FE 2 Hog Pen	PP	1868p	1908G	inc	
	ROM-75	wd x-sect	FE 2 Hog Pen	PP	no date			

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
	ROM-76	wd x-sect	FE 2 Hog Pen	PP	1874p	1912rG	inc	
	ROM-77	wd x-sect	FE 2 Hog Pen	PP	1845p	1912rG	inc	
	ROM-78	wd x-sect	FE 2 Hog Pen	PP	1777p	1898++vv		
	ROM-79	wd x-sect	FE 2 Hog Pen	PP	1644p	1922++vv		
	ROM-80	wd x-sect	FE 2 Hog Pen	PP	1789p	1912rG	inc	
	ROM-81	wd x-sect	FE 2 Hog Pen	PP	1839p	1912GB	inc	
	ROM-82	wd x-sect	FE 2 Hog Pen	PP	1818p	1912GB	inc	
	ROM-83	wd x-sect	FE 2 Hog Pen	PP	1775p	1912G	inc	
	ROM-84	wd x-sect	FE 2 Hog Pen	PP	1859p	1912rG	inc	
	ROM-85	wd x-sect	FE 2 Hog Pen	PP	1856p	1912G	inc	
	ROM-86	wd x-sect	FE 2 Hog Pen	DF	1787p	1910vv		
	LAC-1	wd x-sect	Cabin Structure 1	PP	1788p	1908vv		
	LAC-2	wd x-sect	Cabin Structure 1	PP	no date			
	LAC-3	wd x-sect	Cabin Structure 1	PP	1829p	1933rGB	comp	
	LAC-4	wd x-sect	Cabin Structure 1	PP	1776+-p	1892vv		
	LAC-5	1/2" core	Cabin Structure 1	PP	1863	1926vv		
	LAC-6	1/2" core	Cabin Structure 1	PP	1816	1932vv		
	LAC-7	1/2" core	Cabin Structure 1	PP	1873	1934vv		
	LAC-8	1/2" core	Cabin Structure 1	PP	no date			
	LAC-9	wd frag	E fence post	JUN	no date			
D. Romero Homestead (LA 16808B)	LAC-15	char frag	Post E of corral	PP	1798p	1884vv		
	LAC-16	char frag	FE 4	PP	1797p	1906vv		
	LAC-17	char frag	Corral Misc N 1	PP	1835p	1906vv		
	LAC-18	char frag	Corral Upper N wall	PP	1787p	1883vv		
	LAC-19	wd frag	Corral lower N wall	PP	1792p	1853vv		
	LAC-20	char frag	Corral middle N wall	PP	1809p	1898vv		
	LAC-21	char frag	Corral lower W wall	PP	1837p	1908rG	inc	
	LAC-22	char frag	Corral Upper S wall	PP	1841p	1898vv		
	LAC-23	char frag	Corral middle S wall	PP	1804p	1908vv		
	LAC-24	char frag	Corral lower S wall	PP	1810p	1908v	inc	
Archaic Site	Oto-7	char frag	FE 1	Jun	no date			Not plotted

Site	Sample Numbers	Sample Type	Provenience	Species	Inside Date	Outside Date	Terminal Ring	Comments
(LA 51912)	Oto-8	char frag	FE 1	Pnn	no date			plotted
	Oto-9	char frag	FE 1	Jun	no date			Not plotted
	Oto-10	char frag	FE 1	Jun	no date			Not plotted
	Oto-11	char frag	FE 12	Pnn	no date			plotted
	Oto-12	char frag	FE 14	Jun	no date			Not plotted
	Oto-13	char frag	FE 18	Jun	no date			Not plotted
	Oto-14	char frag	FE 18	Jun	no date			Not plotted
Kuapa (LA 3444)	SAR-85	char frag	D/5/4	PP	no date			
	SAR-86	char frag	A/6/4	PP	no date			false
Shohakka Pueblo (LA 3840)	BNM-101	char frag	FE 3 Area 1	PP	1387	1441vv		
	FS303	char frag		PP	no date			short
LA 118345	FS482	char frag	FE 1 Area 1	PP	no date			short
	FS487	char frag	FE 1 Area 1	PP	no date			short

APPENDIX E
STANDARDIZED DECADAL DEPARTURES IN MEAN RING-WIDTH FOR THE JEMEZ MOUNTAINS

Ronald H. Towner

Table E.1. Standardized decadal departures in mean ring-width for the Jemez Mountains (Dean and Robinson 1977).

Decade	Departure	Decade	Departure	Decade	Departure
680	0.70	1100	0.90	1560	-0.80
690	0.10	1110	1.30	1570	0.10
700	-1.70	1120	0.60	1580	-3.10
710	1.40	1130	-2.40	1590	1.40
720	-0.30	1140	-0.60	1600	0.20
730	-1.20	1150	-0.60	1610	2.40
740	1.70	1160	1.30	1620	0.20
750	-0.40	1170	0.10	1630	-0.50
760	0.80	1180	-0.20	1640	0.20
770	-1.40	1190	-0.20	1650	1.20
780	-1.00	1200	1.90	1660	-0.80
790	-0.70	1210	-1.6	1670	-0.70
800	1.50	1220	-1.6	1680	-0.40
810	-0.20	1230	2.00	1690	0.60
820	-0.10	1240	0.80	1700	0.10
830	-0.10	1250	-2.6	1710	-0.50
840	-0.30	1260	0.60	1720	1.10
850	2.10	1270	-1.2	1730	-2.10
860	0.70	1280	-1	1740	1.00
870	-0.20	1290	1.00	1750	-0.80
880	0.80	1300	0.90	1760	1.00
890	-0.30	1310	0.60	1770	-1.30
900	-2.30	1320	0.40	1780	-0.10
910	0.90	1330	0.20	1790	2.20
920	-0.60	1340	-0.70	1800	-0.40
930	0.60	1350	1.20	1810	0.80
940	1.90	1360	-0.60	1820	-0.90
950	-1.50	1370	0.10	1830	3.10
960	1.30	1380	1.00	1840	2.10
970	-0.60	1390	-0.70	1850	0.00
980	1.20	1400	-0.50	1860	0.30
990	0.50	1410	-1.40	1870	1.30
1000	-1.50	1420	-1.20	1880	0.10
1010	-1.20	1430	1.10	1890	-1.80
1020	2.20	1440	0.70	1900	-1.60
1030	-0.60	1450	-0.60	1910	-0.60
1040	-2.00	1460	-0.10	1920	-2.90
1050	0.70	1470	-1.60	1930	0.90
1060	1.40	1480	1.10	1940	1.00
1070	0.00	1490	0.70	1950	-4.10

Decade	Departure	Decade	Departure	Decade	Departure
1080	0.00	1500	-0.90	1960	-0.60
1090	-2.30	1510	1.40		
		1520	-1.20		
		1530	0.70		
		1540	0.60		
		1550	1.00		

APPENDIX F
RECONSTRUCTED ANNUAL PRECIPITATION IN INCHES FOR ARROYO HONDO

Ronald H. Towner

Table F.1 Reconstructed annual (prior August-current July) precipitation in inches for Arroyo Hondo (from Rose et al. 1981).

Decade	Year									
	0	1	2	3	4	5	6	7	8	9
980						11.4	15.1	16.3	16.9	16.5
990	12.4	10.0	11.2	9.8	15.9	15.8	15.2	17.0	13.7	8.4
1000	13.3	12.6	12.4	11.0	15.3	12.1	10.8	15.8	15.1	11.0
1010	9.8	11.2	15.4	14.5	9.9	12.8	17.4	13.1	12.0	10.0
1020	14.0	14.8	12.5	12.5	14.4	15.3	18.1	8.7	11.7	17.3
1030	12.4	11.5	12.8	14.6	13.4	10.0	14.6	14.0	14.9	11.9
1040	12.2	9.0	19.7	16.9	11.2	9.5	13.5	15.1	9.1	13.6
1050	17.7	11.1	18.6	15.9	11.7	13.4	14.0	15.7	12.0	12.1
1060	16.1	13.1	10.7	13.7	13.6	16.9	15.3	10.9	9.2	12.7
1070	15.5	13.8	14.3	12.9	15.8	11.4	13.9	14.2	12.7	11.9
1080	14.0	10.6	16.7	12.9	14.4	10.3	14.1	13.2	12.1	17.1
1090	11.1	11.5	14.1	13.7	10.7	15.6	17.5	12.3	9.8	10.5
1100	13.7	14.9	15.3	11.7	14.6	12.5	16.1	13.6	11.7	13.9
1110	14.4	13.9	14.4	14.7	11.5	11.9	14.8	16.9	14.4	13.9
1120	13.7	8.0	16.7	13.3	15.2	14.0	12.1	11.8	12.0	17.8
1130	13.9	10.4	10.4	15.5	11.5	9.9	14.5	13.8	11.5	14.2
1140	10.5	15.2	14.7	10.9	12.0	16.5	11.5	11.3	11.4	15.7
1150	11.8	10.6	17.6	14.3	13.7	13.6	11.3	10.4	10.3	16.6
1160	15.0	9.4	16.0	16.2	15.7	13.4	8.9	14.7	13.2	9.5
1170	12.4	19.0	14.0	13.2	9.9	16.0	12.6	11.8	14.2	14.1
1180	11.4	13.3	14.1	12.7	15.8	16.3	9.6	11.4	12.8	10.8
1190	14.1	18.4	13.3	11.5	11.8	14.7	14.8	14.1	13.1	11.9
1200	14.7	15.9	13.6	15.3	14.4	10.6	10.6	15.5	13.2	15.1
1210	13.4	13.7	13.5	15.2	13.5	12.7	10.9	9.8	12.4	16.8
1220	14.0	10.5	13.1	13.9	13.2	14.5	14.4	10.8	12.4	14.4
1230	16.3	14.6	14.0	11.9	10.8	14.7	12.7	13.7	14.1	14.7
1240	12.4	14.7	13.8	13.2	13.1	15.8	11.6	12.4	11.9	14.8
1250	13.4	10.1	11.0	16.2	11.2	13.3	13.0	14.5	11.6	14.2
1260	13.1	11.8	14.1	12.0	12.2	13.8	13.7	14.9	15.9	11.3
1270	13.2	14.1	13.4	11.8	12.9	15.4	11.7	13.8	11.8	14.7
1280	10.9	13.7	12.5	15.6	13.1	13.3	10.4	16.6	10.5	13.0
1290	18.5	11.0	11.5	14.0	12.2	14.6	11.6	13.3	15.6	14.5
1300	14.0	14.6	14.9	12.1	11.0	14.5	14.3	13.9	11.3	13.9
1310	14.9	14.1	10.0	15.3	16.5	12.9	9.7	14.8	15.8	13.5
1320	13.3	13.9	13.6	12.5	11.1	17.7	15.4	12.2	10.8	13.0
1330	14.1	13.3	14.7	14.7	14.1	11.1	13.2	12.9	11.7	13.7
1340	13.1	13.2	11.9	14.5	14.3	15.1	15.1	9.5	11.6	14.6
1350	14.0	15.2	10.1	14.2	15.5	14.0	13.1	12.3	15.0	15.2
1360	10.2	13.8	13.0	11.3	12.0	16.3	14.7	11.8	13.9	10.7
1370	14.7	14.1	15.7	13.3	13.7	11.4	12.0	11.9	14.8	14.3

Decade	Year									
	0	1	2	3	4	5	6	7	8	9
1380	13.6	13.3	10.8	15.7	12.5	12.8	13.9	13.2	13.2	15.8
1390	11.4	10.9	13.0	13.2	13.7	16.7	13.2	9.4	15.2	11.6
1400	11.7	13.9	14.4	12.9	16.2	13.4	14.4	10.8	14.0	14.5
1410	14.4	11.1	14.8	12.9	16.8	11.7	11.5	13.0	12.9	13.0
1420	12.4	15.5	13.3	10.6	10.4	14.0	14.3	14.9	17.3	12.2
1430	11.8	13.7	12.0	14.2	14.6	15.0	12.7	12.7	11.8	14.8
1440	14.0	14.2	13.9	15.3	13.0	9.7	13.9	15.4	14.2	12.1
1450	11.1	13.6	13.2	13.6	14.5	12.3	11.3	13.3	15.0	13.3
1460	12.9	11.2	14.0	13.1	12.5	13.6	15.1	14.7	14.0	14.7
1470	12.1	9.8	14.2	14.6	12.7	10.6	13.7	12.2	14.8	15.1
1480	11.1	12.1	13.7	13.2	14.8	14.6	16.8	11.6	11.3	13.7
1490	15.2	13.7	14.0	12.0	14.4	10.4	11.9	12.5	14.4	15.7
1500	12.3	12.4	15.1	13.9	11.9	15.0	10.8	13.3	13.5	12.9
1510	13.5	14.6	12.3	13.7	15.3	15.6	9.4	10.7	14.1	14.6
1520	13.9	16.3	13.4	12.2	10.2	13.6	13.5	13.2	13.5	15.4
1530	14.2	13.9	11.9	12.7	14.6	11.5	14.3	14.2	13.1	13.0
1540	15.8	15.1	9.9	13.8	14.9	12.1	10.7	13.5	14.1	12.4
1550	14.7	12.0	12.3	15.5	15.0	14.6	13.8	13.1	12.0	14.5
1560	11.8	13.0	10.9	13.4	13.6	14.8	13.0	12.6	13.3	14.6
1570	13.8	12.6	13.9	11.0	12.2	13.5	13.8	15.4	14.6	11.6
1580	10.3	13.0	14.1	12.2	12.7	11.5	14.6	13.5	13.8	15.1
1590	12.3	12.3	14.2	12.4	15.0	14.8	15.2	16.2	11.7	12.5
1600	12.2	10.6	12.7	15.3	14.8	14.3	12.2	13.1	12.3	13.0
1610	15.0	15.0	14.4	13.7	12.9	14.0	11.3	12.8	15.7	13.0
1620	13.6	15.4	13.7	15.1	11.7	10.5	12.7	14.4	11.4	15.0
1630	14.5	13.1	13.0	13.2	14.1	14.8	14.1	15.1	11.0	13.5
1640	15.0	11.8	12.1	14.1	13.7	11.3	14.1	14.4	12.1	13.2
1650	12.4	14.4	14.6	13.1	11.9	13.7	13.6	13.3	12.6	11.8
1660	13.3	14.6	16.0	14.2	10.8	13.3	12.5	12.1	12.7	13.0
1670	12.8	13.5	13.4	13.8	14.5	13.6	11.6	13.5	12.5	13.5
1680	15.6	13.4	12.7	14.7	12.7	9.4	12.8	14.7	14.0	15.9
1690	13.6	11.5	15.2	13.6	13.6	14.2	11.3	13.3	12.2	14.2
1700	13.5	14.3	12.1	14.1	13.4	11.2	14.4	13.3	14.1	12.6
1710	14.6	12.7	13.4	15.1	12.7	11.3	10.9	14.3	15.1	11.7
1720	14.5	14.5	12.8	13.6	13.7	12.6	14.6	14.9	13.9	9.8
1730	11.1	13.7	14.9	13.3	14.6	12.7	13.3	11.4	12.9	11.0
1740	12.6	13.6	13.6	14.8	13.0	13.5	15.8	17.6	10.0	13.3
1750	12.4	15.7	11.7	13.3	16.0	15.5	13.3	10.0	12.6	14.0
1760	11.7	14.7	16.3	10.9	14.1	12.3	13.9	13.9	14.6	14.1
1770	13.8	15.8	14.8	9.6	11.6	13.7	14.5	13.5	13.7	13.1
1780	11.1	13.2	12.7	14.3	16.0	12.8	10.9	15.6	13.3	11.4
1790	11.8	14.3	15.1	16.3	13.8	11.6	12.0	11.4	13.5	14.2
1800	14.4	11.6	13.0	13.4	14.8	13.2	11.3	13.9	14.1	12.7

Decade	**Year**									
	0	1	2	3	4	5	6	7	8	9
1810	13.0	13.7	12.8	13.5	11.4	13.4	16.3	14.4	12.2	9.8
1820	12.6	15.4	12.0	11.7	13.3	14.5	12.0	14.0	15.0	15.2
1830	12.7	12.3	12.2	14.1	15.9	12.7	9.5	13.3	14.5	15.5
1840	16.0	15.3	9.9	12.3	14.9	12.9	14.4	11.2	11.1	17.6
1850	15.2	10.1	11.2	13.5	14.7	13.9	14.3	15.0	15.5	11.8
1860	11.9	11.2	12.9	13.1	13.1	13.3	15.7	15.4	14.6	14.4
1870	11.9	11.6	14.0	12.0	13.5	12.5	13.8	15.5	12.9	13.5
1880	10.9	12.7	14.9	12.2	13.0	14.6	13.7	15.1	15.3	11.1
1890	9.3	14.2	14.8	10.3	13.4	13.7	11.6	15.9	13.8	9.7
1900	12.9	14.1	14.4	13.8	9.0	14.2	15.5	16.0	13.7	11.6
1910	10.3	13.0	15.6	15.1	13.7	13.2	15.7	11.5	10.8	15.6
1920	17.2	16.0	12.0	13.2	11.8	9.3	15.5	14.0	14.0	14.4
1930	13.7	13.1	17.1	14.9	9.5	12.7	11.7	15.4	11.7	12.2
1940	14.6	15.1	14.1	14.7	13.7	12.5	13.4	11.3	13.3	16.9
1950	11.9	10.0	12.6	11.6	13.0	12.9	13.3	12.0	15.3	14.6
1960	16.3	11.7	11.9	12.9	13.3	14.1	12.6	11.2	12.6	14.6
1970	14.2									

APPENDIX G
RECONSTRUCTED SPRING PRECIPITATION FROM ARROYO HONDO

Ronald H. Towner

Table G.1. Reconstructed spring (March-June) precipitation in inches for Arroyo Hondo (from Rose et al. 1981).

Decade	Year									
	0	1	2	3	4	5	6	7	8	9
980						3.5	5.8	6.3	6.8	5.8
990	3.0	2.3	2.3	2.6	6.3	5.4	6.0	6.5	3.2	1.7
1000	4.3	3.4	3.3	3.3	5.3	2.7	3.4	6.0	4.5	2.4
1010	1.9	3.3	5.7	4.0	2.1	5.0	6.2	3.8	3.1	2.3
1020	5.1	4.7	3.5	4.1	4.9	6.4	6.0	0.9	4.7	5.9
1030	3.1	3.5	4.0	5.1	3.4	2.7	5.2	4.6	4.9	3.3
1040	2.7	2.9	8.8	5.2	2.6	2.2	4.8	4.3	1.7	5.8
1050	5.7	3.8	8.2	4.6	3.7	4.4	4.9	5.5	3.0	4.3
1060	5.8	3.3	3.2	4.4	4.8	6.7	4.7	2.2	2.0	4.4
1070	5.3	4.7	4.6	4.4	5.3	3.0	5.0	4.4	3.5	3.8
1080	3.9	3.3	6.1	3.9	4.5	2.5	5.0	3.4	4.5	5.9
1090	2.2	3.8	4.6	3.7	3.1	6.4	6.0	3.0	2.0	2.7
1100	4.6	5.5	4.9	3.6	4.8	4.0	6.1	3.8	3.6	4.8
1110	4.7	4.7	5.2	4.6	2.9	3.8	5.7	6.3	4.7	5.0
1120	3.1	2.0	6.4	3.9	5.8	4.1	3.4	3.0	4.3	6.9
1130	3.7	2.2	3.1	5.2	2.2	2.8	5.0	3.7	3.7	4.1
1140	2.7	5.9	4.2	2.5	4.3	5.5	2.7	2.9	3.5	5.4
1150	2.4	3.8	6.8	4.3	4.8	3.9	2.7	2.0	3.1	6.6
1160	3.9	2.7	6.4	5.7	5.9	3.2	2.1	5.4	3.1	1.9
1170	5.0	7.2	4.4	3.7	2.7	5.9	3.1	3.8	4.9	4.1
1180	3.2	4.5	4.3	4.2	6.4	4.9	1.7	3.5	3.2	2.8
1190	5.8	6.8	3.7	3.2	3.6	5.2	5.0	4.7	3.8	3.7
1200	5.6	5.4	4.7	5.7	4.2	2.1	3.4	5.3	4.3	5.4
1210	4.1	4.5	4.6	5.3	4.1	3.6	2.3	2.0	4.4	6.2
1220	3.8	2.7	4.3	4.3	4.4	5.2	4.2	2.6	4.0	5.2
1230	6.0	5.0	4.5	2.8	3.3	4.9	3.7	4.7	4.8	4.7
1240	3.9	5.2	4.3	4.0	4.6	5.2	3.0	3.7	3.5	5.2
1250	3.6	1.9	3.8	5.2	2.8	4.4	4.0	4.5	3.3	4.9
1260	3.5	3.7	4.4	3.0	3.9	4.5	4.5	5.8	5.1	3.0
1270	4.5	4.5	4.0	3.2	4.5	4.9	3.4	4.3	3.5	4.6
1280	2.8	4.4	4.0	5.5	4.0	3.6	3.3	5.7	1.9	5.6
1290	6.4	2.2	4.0	4.0	3.9	4.8	2.9	4.9	5.5	4.9
1300	4.9	5.2	4.9	3.0	3.3	5.0	4.8	4.2	3.2	4.9
1310	5.2	3.9	2.7	6.2	5.7	3.3	2.6	5.6	5.3	4.3
1320	4.4	4.5	4.4	3.2	3.8	7.2	4.8	3.3	2.8	4.3
1330	4.5	4.4	5.2	5.1	4.2	3.0	4.3	3.4	3.5	4.4
1340	4.0	3.9	3.6	5.1	4.8	5.7	4.4	1.7	3.9	4.7
1350	5.0	4.6	2.3	5.5	5.2	4.6	4.0	3.8	5.7	4.4
1360	2.6	4.8	3.4	2.9	4.0	6.1	4.4	3.7	4.0	2.9
1370	5.3	4.8	5.6	4.2	4.2	2.9	3.3	3.6	5.2	4.6

Decade	Year									
	0	1	2	3	4	5	6	7	8	9
1380	4.6	3.6	3.3	5.5	3.3	4.3	4.4	3.9	4.8	5.3
1390	2.5	3.1	4.0	4.0	5.1	6.2	3.0	2.7	5.1	2.5
1400	3.6	4.8	4.4	4.6	5.8	4.4	4.5	2.8	5.0	5.0
1410	4.3	3.3	5.0	4.4	6.1	2.6	3.5	3.8	3.9	3.8
1420	4.1	5.5	3.5	2.3	2.8	4.8	4.7	6.0	6.2	3.1
1430	3.9	4.0	3.6	5.0	5.1	5.0	3.8	3.6	3.6	5.2
1440	4.6	4.9	4.8	5.4	3.2	2.4	5.1	5.2	4.5	3.1
1450	3.1	4.4	4.0	4.7	4.7	3.1	3.1	4.6	5.0	4.1
1460	3.6	3.1	4.7	3.7	3.8	4.7	5.4	5.0	4.9	4.9
1470	2.7	2.6	5.0	4.7	3.3	2.9	4.3	3.6	5.6	4.5
1480	2.7	3.8	4.2	4.4	5.2	5.6	5.9	2.7	3.5	4.7
1490	5.1	4.6	4.3	3.7	4.4	2.2	3.5	3.7	5.3	5.2
1500	2.8	3.2	3.3	3.8	4.2	4.3	2.0	3.9	3.4	3.2
1510	4.7	4.6	3.6	4.8	5.8	4.7	1.5	3.2	4.7	4.8
1520	5.1	5.9	3.9	3.1	2.5	4.5	4.1	4.1	4.7	5.4
1530	4.7	4.4	3.2	4.3	4.5	3.3	5.2	4.4	4.0	4.4
1540	6.0	4.4	2.4	5.1	4.6	3.0	2.9	4.5	4.2	4.0
1550	4.8	3.0	4.2	5.6	5.2	5.1	4.4	3.8	3.8	4.6
1560	3.2	3.7	2.7	4.4	4.5	5.0	3.8	3.9	4.4	5.0
1570	4.2	4.0	4.1	2.6	3.9	4.2	4.8	5.6	4.4	2.4
1580	2.5	4.3	4.2	3.5	3.6	3.4	5.1	4.1	5.0	5.0
1590	3.3	4.1	4.4	3.9	5.6	5.0	6.0	5.4	3.0	3.9
1600	2.9	2.6	4.3	5.4	5.2	4.5	3.5	4.0	3.4	4.4
1610	5.4	5.2	4.9	4.3	4.2	4.3	2.8	4.6	5.4	3.9
1620	5.0	5.2	4.7	5.1	2.6	2.7	4.2	4.2	3.4	5.6
1630	4.5	4.1	4.0	4.2	5.0	5.0	5.1	4.8	2.8	5.0
1640	4.7	3.1	3.9	4.7	3.9	3.3	5.0	4.3	3.6	4.0
1650	3.7	5.2	4.8	3.8	3.6	4.5	4.2	4.1	3.5	3.4
1660	4.4	5.3	5.9	4.1	2.9	4.2	3.3	3.6	3.8	3.8
1670	4.0	4.3	4.3	4.7	4.9	4.0	3.4	4.3	3.6	4.9
1680	5.4	3.9	4.3	5.0	3.0	2.1	4.4	4.7	5.0	5.9
1690	3.8	3.8	5.4	4.1	4.8	4.2	3.1	4.2	3.6	4.8
1700	4.4	4.6	3.6	4.9	3.6	3.4	4.8	4.1	4.6	4.0
1710	4.9	3.6	4.8	5.0	3.4	2.7	3.0	5.3	4.6	3.5
1720	5.3	4.5	4.0	4.6	4.1	4.0	5.2	5.1	3.9	1.8
1730	3.2	4.6	4.9	4.5	4.8	3.8	3.9	3.0	3.7	2.6
1740	4.0	4.2	4.6	5.0	3.9	4.7	6.6	5.8	2.3	4.3
1750	3.9	5.5	3.0	5.0	5.9	5.4	3.7	2.2	4.2	4.0
1760	3.4	5.8	5.0	3.0	4.7	3.4	4.9	4.6	5.1	4.6
1770	4.9	6.0	4.2	1.8	3.6	4.5	4.9	4.3	4.5	3.6
1780	3.0	4.1	3.8	5.3	5.6	3.2	3.5	5.6	3.6	3.1
1790	3.5	5.0	5.7	6.0	4.0	3.2	3.1	3.1	4.5	4.8
1800	4.5	3.2	4.1	4.4	5.1	3.6	3.3	4.8	4.3	3.8

Decade	**Year**									
	0	1	2	3	4	5	6	7	8	9
1810	4.2	4.2	4.0	4.0	3.0	5.0	5.9	4.5	3.0	2.1
1820	4.4	5.0	3.0	3.4	4.4	4.5	3.5	5.0	5.3	5.1
1830	3.7	3.5	3.6	5.2	5.6	3.0	2.3	4.5	5.0	5.8
1840	6.1	4.6	2.0	4.3	4.7	4.2	4.7	2.3	4.0	7.0
1850	4.2	2.3	3.2	4.4	5.0	4.6	5.0	5.6	5.1	3.1
1860	3.2	2.9	4.0	4.0	4.0	4.6	5.9	5.4	5.2	4.6
1870	3.0	3.6	4.3	3.4	4.3	3.6	5.0	5.2	4.0	4.0
1880	2.6	4.4	4.8	3.4	4.5	4.8	4.6	5.7	4.9	2.1
1890	2.3	5.1	4.1	2.5	4.6	3.7	3.8	6.0	3.4	2.3
1900	4.2	4.5	5.1	3.5	1.9	5.3	5.5	5.8	4.1	2.8
1910	2.5	4.5	5.7	5.2	4.3	4.7	5.3	2.5	3.5	6.1
1920	6.7	5.4	3.4	4.2	2.3	2.5	5.7	4.2	5.0	4.9
1930	4.2	4.8	6.8	4.1	2.3	3.7	3.5	5.3	2.8	4.1
1940	5.2	5.2	4.9	5.1	4.1	3.9	3.9	2.8	5.1	5.9
1950	2.5	2.6	3.4	3.0	4.0	3.9	3.9	3.8	5.5	5.3
1960	5.7	2.9	3.6	3.9	4.3	4.6	3.4	2.9	4.1	5.0
1970	4.4									

APPENDIX H
RECONSTRUCTED VALUES FOR THE JEMEZ CHRONOLOGY

Ronald H. Towner

Table H.1. Reconstructed Values for the Jemez Chronology.

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
598	33.26	29.64
599	26.92	29.63
600	35.95	29.66
601	34.73	29.73
602	27.65	29.93
603	17.65	30.35
604	22.77	31.09
605	27.65	32.11
606	31.55	33.32
607	41.31	34.57
608	66.20	35.70
609	25.94	36.66
610	28.87	37.55
611	34.97	38.49
612	37.90	39.48
613	39.12	40.49
614	43.75	41.49
615	24.97	42.41
616	47.41	43.19
617	51.81	43.66
618	67.42	43.67
619	43.27	43.14
620	16.43	42.19
621	63.27	40.92
622	65.47	39.31
623	32.29	37.47
624	20.57	35.73
625	10.81	34.39
626	14.72	33.59
627	30.58	33.30
628	38.63	33.30
629	42.53	33.32
630	38.63	33.16
631	54.49	32.68
632	42.78	31.84
633	26.67	30.75
634	12.77	29.64
635	12.77	28.69
636	30.82	27.93
637	44.73	27.30
638	30.82	26.72
639	22.77	26.25

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
640	12.77	26.02
641	28.87	26.08
642	36.68	26.43
643	18.87	27.07
644	28.87	28.04
645	14.96	29.39
646	28.87	31.09
647	26.92	33.04
648	14.96	35.09
649	58.64	37.01
650	49.37	38.46
651	52.05	39.23
652	53.27	39.25
653	48.15	38.55
654	24.23	37.30
655	39.61	35.74
656	28.87	34.03
657	31.31	32.35
658	24.48	30.82
659	25.45	29.55
660	27.16	28.62
661	21.55	28.03
662	32.04	27.79
663	18.87	27.86
664	25.21	28.19
665	31.80	28.69
666	16.67	29.23
667	40.34	29.69
668	45.95	29.87
669	39.85	29.66
670	35.21	29.09
671	30.58	28.27
672	6.91	27.41
673	35.46	26.67
674	18.87	26.11
675	16.67	25.82
676	35.70	25.82
677	22.28	26.09
678	15.21	26.63
679	39.36	27.43
680	24.48	28.43
681	18.87	29.60
682	28.87	30.90
683	39.12	32.20

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
684	45.46	33.36
685	40.58	34.30
686	13.99	35.05
687	39.36	35.63
688	37.90	35.98
689	50.10	36.01
690	43.75	35.69
691	28.38	35.07
692	27.16	34.30
693	34.48	33.45
694	21.31	32.56
695	40.83	31.65
696	31.55	30.66
697	39.36	29.59
698	22.04	28.48
699	28.38	27.41
700	25.21	26.44
701	20.82	25.63
702	34.24	25.03
703	24.48	24.65
704	13.01	24.58
705	23.50	24.88
706	15.69	25.55
707	28.63	26.54
708	37.90	27.73
709	32.04	29.03
710	27.89	30.40
711	24.48	31.87
712	12.52	33.40
713	35.46	34.91
714	55.95	36.14
715	59.61	36.83
716	44.49	36.93
717	19.60	36.52
718	40.09	35.79
719	42.29	34.82
720	43.51	33.69
721	24.23	32.58
722	21.31	31.70
723	7.89	31.23
724	11.79	31.22
725	49.85	31.52
726	45.22	31.85
727	27.65	32.04

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
728	40.58	32.02
729	31.07	31.75
730	37.41	31.20
731	36.68	30.39
732	32.77	29.38
733	28.63	28.28
734	29.85	27.26
735	12.77	26.46
736	9.84	26.04
737	38.14	26.05
738	12.28	26.42
739	32.77	27.13
740	38.87	28.08
741	34.97	29.20
742	15.94	30.51
743	9.11	32.08
744	34.97	33.83
745	37.90	35.52
746	60.83	36.89
747	52.54	37.73
748	20.33	38.02
749	65.96	37.84
750	30.82	37.22
751	22.28	36.35
752	35.46	35.38
753	34.97	34.37
754	41.80	33.36
755	22.77	32.41
756	37.90	31.62
757	23.01	31.03
758	29.36	30.72
759	23.01	30.71
760	17.89	30.99
761	43.27	31.49
762	36.19	32.04
763	32.04	32.53
764	32.04	32.93
765	27.65	33.16
766	51.07	33.18
767	36.19	32.90
768	30.82	32.35
769	34.24	31.63
770	22.53	30.82
771	29.36	30.00

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
772	37.65	29.21
773	26.19	28.48
774	7.89	27.90
775	23.75	27.50
776	44.97	27.20
777	38.63	26.87
778	15.21	26.53
779	20.33	26.27
780	38.14	26.12
781	22.53	26.07
782	14.96	26.18
783	19.35	26.48
784	32.29	26.92
785	33.02	27.39
786	21.06	27.81
787	50.83	28.12
788	30.58	28.30
789	17.89	28.44
790	19.35	28.66
791	33.02	29.02
792	37.65	29.51
793	26.19	30.12
794	28.14	30.92
795	20.33	31.95
796	32.77	33.20
797	28.87	34.59
798	32.53	36.01
799	30.09	37.30
800	61.08	38.26
801	51.07	38.67
802	44.24	38.48
803	41.80	37.75
804	32.29	36.62
805	37.41	35.23
806	44.97	33.74
807	15.45	32.32
808	28.63	31.17
809	10.33	30.43
810	28.14	30.12
811	25.94	30.17
812	30.58	30.43
813	38.63	30.72
814	40.58	30.86
815	47.66	30.77

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
816	27.41	30.43
817	32.53	29.98
818	21.79	29.54
819	12.03	29.26
820	30.58	29.18
821	47.66	29.24
822	33.02	29.40
823	10.08	29.72
824	15.94	30.31
825	26.19	31.12
826	46.93	31.96
827	41.31	32.63
828	40.58	33.01
829	27.16	33.09
830	42.29	32.90
831	31.80	32.48
832	29.11	31.90
833	32.04	31.23
834	40.58	30.56
835	12.77	29.95
836	32.53	29.54
837	10.81	29.34
838	40.09	29.36
839	36.92	29.48
840	16.43	29.66
841	34.97	29.87
842	35.46	30.05
843	39.61	30.13
844	31.55	30.13
845	33.02	30.11
846	22.77	30.19
847	23.01	30.47
848	29.85	31.02
849	37.65	31.83
850	23.50	32.89
851	22.53	34.20
852	32.77	35.71
853	44.73	37.24
854	45.71	38.62
855	42.78	39.71
856	46.68	40.45
857	29.36	40.82
858	57.66	40.81
859	38.87	40.39

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
860	50.59	39.61
861	27.89	38.56
862	36.43	37.38
863	38.39	36.16
864	24.97	34.96
865	34.73	33.84
866	43.75	32.82
867	32.29	31.90
868	15.21	31.17
869	35.70	30.71
870	15.69	30.49
871	35.46	30.48
872	29.36	30.58
873	50.10	30.67
874	31.80	30.68
875	20.33	30.65
876	32.29	30.67
877	38.63	30.73
878	13.50	30.86
879	38.39	31.10
880	39.61	31.40
881	31.07	31.74
882	13.01	32.18
883	42.05	32.75
884	19.35	33.36
885	36.92	33.94
886	42.78	34.34
887	39.12	34.42
888	42.78	34.11
889	33.26	33.41
890	49.85	32.37
891	21.79	31.07
892	9.11	29.72
893	37.90	28.44
894	22.04	27.22
895	29.60	26.07
896	30.33	25.00
897	23.99	24.03
898	18.13	23.23
899	25.45	22.65
900	16.43	22.33
901	7.15	22.32
902	30.09	22.58
903	25.94	23.00

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
904	32.53	23.49
905	35.95	24.00
906	10.57	24.58
907	8.13	25.33
908	38.87	26.26
909	28.38	27.27
910	30.33	28.32
911	34.97	29.37
912	18.62	30.44
913	26.43	31.55
914	25.94	32.66
915	38.87	33.65
916	45.22	34.37
917	39.61	34.69
918	41.56	34.60
919	41.80	34.13
920	33.26	33.36
921	31.31	32.47
922	16.91	31.61
923	35.46	30.94
924	16.43	30.48
925	35.21	30.28
926	33.26	30.29
927	24.48	30.47
928	34.48	30.81
929	31.31	31.27
930	30.82	31.82
931	29.36	32.44
932	33.75	33.09
933	35.95	33.71
934	39.12	34.26
935	34.97	34.70
936	37.90	35.04
937	31.31	35.30
938	36.43	35.52
939	25.94	35.70
940	38.39	35.85
941	49.85	35.90
942	35.21	35.82
943	20.09	35.66
944	33.02	35.47
945	36.68	35.20
946	46.68	34.74
947	33.75	34.04

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
948	35.95	33.10
949	50.10	31.95
950	25.94	30.67
951	19.35	29.45
952	30.82	28.48
953	15.69	27.85
954	13.99	27.65
955	26.43	27.87
956	43.51	28.39
957	33.26	29.08
958	13.25	29.92
959	38.63	30.89
960	39.12	31.91
961	17.89	32.93
962	45.46	33.92
963	33.02	34.79
964	33.26	35.51
965	25.45	36.03
966	45.22	36.29
967	49.61	36.16
968	51.07	35.56
969	18.87	34.56
970	43.75	33.31
971	32.53	31.92
972	21.31	30.52
973	33.02	29.27
974	20.57	28.25
975	10.08	27.55
976	34.97	27.20
977	36.92	27.09
978	25.70	27.18
979	32.77	27.48
980	20.82	28.02
981	22.53	28.86
982	29.85	30.00
983	24.72	31.40
984	19.11	32.97
985	38.14	34.59
986	46.93	36.01
987	52.54	37.04
988	45.71	37.55
989	54.73	37.57
990	33.75	37.22
991	17.40	36.75

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
992	17.16	36.37
993	23.50	36.14
994	43.75	35.94
995	48.15	35.55
996	48.88	34.80
997	46.68	33.63
998	38.63	32.13
999	13.01	30.50
1000	32.29	28.96
1001	14.72	27.65
1002	23.99	26.69
1003	18.13	26.09
1004	28.87	25.83
1005	20.09	25.83
1006	20.82	26.01
1007	44.24	26.25
1008	40.34	26.42
1009	19.60	26.51
1010	22.04	26.62
1011	16.91	26.84
1012	36.43	27.17
1013	28.14	27.58
1014	15.21	28.08
1015	37.41	28.66
1016	41.31	29.27
1017	24.72	29.90
1018	31.31	30.61
1019	19.35	31.47
1020	31.55	32.52
1021	31.80	33.72
1022	29.85	34.99
1023	27.16	36.26
1024	47.41	37.36
1025	48.39	38.10
1026	54.98	38.37
1027	31.31	38.14
1028	40.58	37.50
1029	46.44	36.54
1030	19.60	35.38
1031	31.55	34.15
1032	36.19	32.93
1033	39.36	31.73
1034	25.21	30.62
1035	11.06	29.68

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
1036	29.36	28.97
1037	30.58	28.41
1038	39.85	27.89
1039	28.87	27.34
1040	31.80	26.76
1041	14.72	26.21
1042	33.99	25.76
1043	31.31	25.41
1044	16.18	25.22
1045	18.38	25.29
1046	29.36	25.64
1047	26.67	26.27
1048	12.28	27.15
1049	29.85	28.28
1050	35.95	29.53
1051	22.53	30.79
1052	43.75	31.97
1053	43.02	32.95
1054	33.51	33.71
1055	32.53	34.29
1056	35.70	34.76
1057	36.19	35.17
1058	25.45	35.58
1059	27.89	36.04
1060	41.80	36.52
1061	36.92	36.94
1062	25.94	37.22
1063	50.83	37.30
1064	44.24	37.03
1065	50.10	36.39
1066	47.41	35.40
1067	21.79	34.24
1068	15.45	33.15
1069	27.65	32.28
1070	32.77	31.64
1071	31.80	31.20
1072	36.68	30.90
1073	29.36	30.71
1074	29.60	30.66
1075	16.67	30.73
1076	38.87	30.90
1077	35.46	31.07
1078	35.46	31.17
1079	28.14	31.17

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
1080	32.77	31.09
1081	20.82	30.93
1082	51.07	30.66
1083	26.43	30.26
1084	30.09	29.78
1085	14.72	29.31
1086	31.80	28.89
1087	29.60	28.49
1088	35.46	28.06
1089	42.53	27.58
1090	9.59	27.11
1091	14.72	26.78
1092	35.70	26.62
1093	25.45	26.57
1094	23.26	26.58
1095	41.80	26.65
1096	32.53	26.73
1097	18.87	26.92
1098	21.55	27.34
1099	9.84	28.06
1100	23.99	29.07
1101	39.61	30.24
1102	41.31	31.38
1103	30.33	32.36
1104	48.88	33.14
1105	27.65	33.70
1106	34.24	34.13
1107	28.63	34.47
1108	26.43	34.77
1109	44.97	35.02
1110	37.41	35.17
1111	38.87	35.20
1112	34.73	35.16
1113	35.21	35.11
1114	23.26	35.10
1115	31.31	35.19
1116	35.46	35.33
1117	37.65	35.44
1118	44.97	35.45
1119	39.12	35.29
1120	38.87	34.98
1121	17.89	34.59
1122	40.58	34.18
1123	30.82	33.73

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
1124	33.26	33.24
1125	33.75	32.66
1126	33.51	31.99
1127	28.14	31.21
1128	33.51	30.30
1129	43.75	29.25
1130	27.89	28.07
1131	18.62	26.89
1132	23.26	25.82
1133	29.60	24.94
1134	14.72	24.30
1135	17.89	23.95
1136	32.77	23.87
1137	18.87	24.04
1138	20.82	24.42
1139	25.45	25.00
1140	17.65	25.71
1141	34.48	26.46
1142	38.87	27.14
1143	22.28	27.68
1144	28.63	28.11
1145	41.07	28.42
1146	18.38	28.64
1147	29.36	28.86
1148	32.29	29.11
1149	30.33	29.42
1150	15.21	29.85
1151	14.72	30.44
1152	40.34	31.12
1153	48.88	31.69
1154	45.22	32.04
1155	39.61	32.18
1156	23.75	32.26
1157	15.21	32.48
1158	15.94	32.98
1159	36.19	33.74
1160	41.56	34.60
1161	21.31	35.40
1162	57.17	36.01
1163	51.56	36.27
1164	38.39	36.12
1165	35.95	35.68
1166	21.31	35.08
1167	41.80	34.44

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
1168	29.85	33.82
1169	20.09	33.28
1170	33.02	32.85
1171	47.41	32.46
1172	29.85	32.07
1173	35.95	31.70
1174	20.33	31.41
1175	35.21	31.25
1176	26.43	31.24
1177	22.53	31.37
1178	34.24	31.59
1179	32.53	31.81
1180	40.34	31.94
1181	42.53	31.90
1182	19.11	31.69
1183	28.87	31.37
1184	46.93	30.94
1185	39.61	30.38
1186	15.94	29.78
1187	23.99	29.32
1188	27.89	29.05
1189	20.33	29.01
1190	31.07	29.18
1191	46.19	29.49
1192	20.09	29.90
1193	23.01	30.47
1194	34.48	31.20
1195	33.99	32.04
1196	35.46	32.94
1197	30.58	33.88
1198	24.72	34.87
1199	29.11	35.85
1200	46.93	36.72
1201	50.83	37.29
1202	40.09	37.50
1203	44.97	37.35
1204	37.17	36.92
1205	21.79	36.34
1206	26.67	35.72
1207	39.12	35.08
1208	29.60	34.33
1209	42.29	33.43
1210	35.21	32.28
1211	37.65	30.89

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
1212	34.48	29.27
1213	32.29	27.49
1214	20.57	25.71
1215	21.06	24.09
1216	17.65	22.75
1217	11.06	21.80
1218	16.91	21.29
1219	32.04	21.18
1220	21.31	21.38
1221	13.99	21.90
1222	25.94	22.74
1223	28.38	23.85
1224	18.62	25.19
1225	27.16	26.76
1226	27.65	28.51
1227	13.50	30.39
1228	38.87	32.31
1229	44.49	34.09
1230	47.66	35.58
1231	36.43	36.72
1232	41.31	37.54
1233	32.29	38.12
1234	26.92	38.53
1235	52.29	38.79
1236	37.41	38.88
1237	36.19	38.81
1238	43.51	38.64
1239	27.89	38.38
1240	22.77	38.07
1241	50.10	37.67
1242	41.07	37.03
1243	37.65	36.07
1244	45.95	34.76
1245	46.44	33.10
1246	21.55	31.19
1247	26.19	29.22
1248	21.55	27.33
1249	30.09	25.62
1250	25.70	24.16
1251	10.57	23.02
1252	18.13	22.29
1253	29.60	21.97
1254	8.62	22.02
1255	30.09	22.42

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
1256	17.89	23.10
1257	33.02	23.98
1258	13.74	25.02
1259	36.43	26.17
1260	28.14	27.35
1261	22.53	28.55
1262	39.61	29.74
1263	20.33	30.89
1264	29.11	32.00
1265	28.63	33.02
1266	38.14	33.84
1267	38.14	34.34
1268	52.54	34.42
1269	37.65	34.04
1270	26.43	33.30
1271	33.02	32.32
1272	31.31	31.20
1273	23.99	30.04
1274	29.36	28.92
1275	36.92	27.87
1276	16.18	26.96
1277	26.67	26.26
1278	16.91	25.83
1279	32.29	25.66
1280	16.43	25.73
1281	31.55	26.01
1282	23.75	26.43
1283	34.24	26.94
1284	24.97	27.51
1285	34.24	28.12
1286	17.40	28.78
1287	38.14	29.49
1288	19.84	30.24
1289	37.41	31.00
1290	44.49	31.72
1291	23.01	32.40
1292	27.16	33.09
1293	43.02	33.82
1294	27.16	34.56
1295	30.33	35.34
1296	26.19	36.13
1297	44.73	36.85
1298	49.37	37.35
1299	34.48	37.54

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
1300	46.44	37.42
1301	36.92	37.00
1302	46.19	36.34
1303	30.58	35.53
1304	21.06	34.74
1305	42.29	34.06
1306	23.75	33.53
1307	29.36	33.18
1308	23.50	33.02
1309	46.19	32.96
1310	41.80	32.90
1311	29.11	32.79
1312	23.75	32.70
1313	46.44	32.62
1314	41.80	32.55
1315	15.45	32.54
1316	15.45	32.73
1317	35.95	33.10
1318	43.02	33.52
1319	42.29	33.86
1320	32.29	34.07
1321	39.61	34.17
1322	35.95	34.17
1323	26.67	34.14
1324	23.50	34.16
1325	50.10	34.23
1326	28.87	34.30
1327	29.11	34.40
1328	26.67	34.54
1329	34.48	34.68
1330	42.53	34.70
1331	29.60	34.51
1332	45.46	34.04
1333	46.44	33.23
1334	37.65	32.09
1335	25.94	30.77
1336	25.94	29.44
1337	25.94	28.28
1338	13.99	27.39
1339	28.38	26.87
1340	22.28	26.71
1341	23.75	26.87
1342	23.26	27.31
1343	30.33	27.93

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
1344	35.21	28.60
1345	36.68	29.24
1346	41.56	29.80
1347	11.55	30.31
1348	28.38	30.88
1349	34.97	31.48
1350	35.21	32.08
1351	38.63	32.63
1352	13.74	33.16
1353	43.27	33.67
1354	41.80	34.08
1355	26.67	34.36
1356	35.95	34.52
1357	28.87	34.55
1358	45.95	34.40
1359	44.00	34.04
1360	29.60	33.50
1361	38.39	32.88
1362	24.97	32.30
1363	17.16	31.89
1364	28.63	31.71
1365	38.14	31.72
1366	28.14	31.83
1367	31.80	32.00
1368	44.73	32.16
1369	16.67	32.26
1370	40.34	32.31
1371	32.04	32.25
1372	42.29	32.03
1373	33.75	31.66
1374	38.14	31.20
1375	27.16	30.74
1376	16.67	30.44
1377	21.31	30.40
1378	35.95	30.64
1379	28.87	31.07
1380	31.55	31.65
1381	31.80	32.32
1382	24.23	33.00
1383	44.00	33.63
1384	36.68	34.06
1385	39.85	34.24
1386	40.34	34.14
1387	36.92	33.80

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
1388	31.07	33.28
1389	32.29	32.70
1390	19.60	32.16
1391	21.55	31.73
1392	37.17	31.37
1393	36.92	31.00
1394	33.99	30.53
1395	42.78	29.95
1396	25.45	29.28
1397	23.26	28.64
1398	36.19	28.14
1399	14.47	27.85
1400	15.94	27.86
1401	28.87	28.19
1402	31.31	28.73
1403	28.87	29.38
1404	36.19	30.05
1405	29.60	30.67
1406	34.97	31.19
1407	17.16	31.59
1408	37.90	31.82
1409	37.65	31.79
1410	44.24	31.41
1411	24.72	30.66
1412	39.12	29.61
1413	17.65	28.34
1414	44.00	26.92
1415	13.74	25.46
1416	22.77	24.08
1417	29.11	22.89
1418	16.43	21.97
1419	13.99	21.44
1420	17.40	21.36
1421	29.11	21.73
1422	14.96	22.56
1423	14.47	23.84
1424	13.74	25.53
1425	32.29	27.51
1426	37.17	29.55
1427	35.95	31.46
1428	46.44	33.11
1429	32.04	34.45
1430	32.04	35.49
1431	41.07	36.26

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
1432	25.45	36.76
1433	48.88	37.01
1434	43.75	36.98
1435	37.90	36.70
1436	29.60	36.29
1437	38.39	35.83
1438	19.84	35.42
1439	36.68	35.11
1440	34.48	34.84
1441	39.61	34.58
1442	35.95	34.26
1443	41.07	33.88
1444	27.41	33.45
1445	20.09	33.03
1446	44.24	32.63
1447	37.90	32.18
1448	35.21	31.68
1449	21.55	31.18
1450	19.11	30.77
1451	36.92	30.44
1452	31.80	30.11
1453	37.65	29.73
1454	34.97	29.27
1455	20.82	28.78
1456	28.87	28.34
1457	21.79	27.98
1458	40.58	27.73
1459	23.01	27.58
1460	24.72	27.61
1461	15.21	27.85
1462	29.60	28.33
1463	28.14	28.95
1464	19.11	29.63
1465	32.77	30.26
1466	47.66	30.65
1467	40.83	30.65
1468	37.41	30.25
1469	36.43	29.53
1470	24.97	28.65
1471	10.33	27.82
1472	29.11	27.20
1473	24.97	26.85
1474	25.70	26.81
1475	11.55	27.09

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
1476	37.65	27.67
1477	22.77	28.47
1478	44.24	29.41
1479	31.31	30.42
1480	12.28	31.52
1481	34.48	32.75
1482	37.90	33.99
1483	24.23	35.13
1484	50.83	36.08
1485	49.85	36.68
1486	41.07	36.89
1487	26.67	36.79
1488	39.12	36.47
1489	35.46	36.00
1490	34.24	35.41
1491	31.31	34.76
1492	42.53	34.09
1493	25.70	33.40
1494	40.34	32.78
1495	13.99	32.24
1496	35.21	31.85
1497	26.67	31.53
1498	48.63	31.21
1499	39.36	30.83
1500	18.38	30.44
1501	30.33	30.14
1502	28.63	29.98
1503	33.02	29.99
1504	26.92	30.20
1505	29.60	30.64
1506	17.16	31.33
1507	34.97	32.26
1508	36.68	33.30
1509	28.87	34.37
1510	30.82	35.37
1511	48.15	36.18
1512	39.61	36.64
1513	50.34	36.69
1514	42.05	36.33
1515	43.02	35.63
1516	9.84	34.77
1517	19.11	33.93
1518	35.70	33.12
1519	45.22	32.20

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
1520	46.19	31.07
1521	48.39	29.74
1522	12.77	28.34
1523	13.50	27.16
1524	16.43	26.38
1525	21.06	26.03
1526	31.31	26.08
1527	30.58	26.44
1528	20.33	27.05
1529	31.31	27.89
1530	30.58	28.90
1531	34.97	30.02
1532	22.53	31.25
1533	33.99	32.56
1534	35.46	33.93
1535	24.97	35.29
1536	40.83	36.60
1537	38.63	37.73
1538	26.43	38.60
1539	49.37	39.09
1540	62.79	39.04
1541	54.49	38.36
1542	16.43	37.17
1543	51.32	35.69
1544	27.41	34.07
1545	23.50	32.49
1546	25.21	31.13
1547	29.36	30.08
1548	21.06	29.36
1549	20.57	28.98
1550	39.61	28.87
1551	24.72	28.93
1552	25.94	29.08
1553	36.68	29.25
1554	29.60	29.34
1555	32.77	29.29
1556	33.99	29.09
1557	38.14	28.71
1558	31.80	28.23
1559	28.14	27.75
1560	12.03	27.46
1561	25.21	27.49
1562	18.87	27.89
1563	20.57	28.66

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
1564	29.36	29.70
1565	40.58	30.87
1566	35.21	32.02
1567	22.28	33.06
1568	32.77	33.93
1569	50.34	34.49
1570	46.68	34.61
1571	27.41	34.29
1572	46.19	33.60
1573	14.96	32.63
1574	30.33	31.49
1575	33.26	30.21
1576	16.91	28.78
1577	57.42	27.19
1578	33.75	25.41
1579	10.33	23.60
1580	9.35	22.00
1581	19.60	20.76
1582	22.28	19.91
1583	9.84	19.48
1584	21.79	19.48
1585	10.08	19.86
1586	30.33	20.58
1587	24.72	21.54
1588	29.11	22.68
1589	29.11	24.01
1590	8.62	25.57
1591	23.99	27.45
1592	20.57	29.60
1593	10.33	31.92
1594	51.07	34.22
1595	43.02	36.16
1596	65.47	37.50
1597	53.76	38.11
1598	27.41	38.09
1599	56.93	37.66
1600	17.16	37.04
1601	21.79	36.49
1602	35.46	36.20
1603	36.19	36.19
1604	27.89	36.47
1605	34.73	37.04
1606	39.85	37.81
1607	30.58	38.70

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
1608	35.70	39.61
1609	40.83	40.39
1610	63.03	40.84
1611	57.66	40.80
1612	40.09	40.30
1613	39.61	39.48
1614	26.19	38.54
1615	33.26	37.62
1616	24.72	36.83
1617	39.85	36.16
1618	38.63	35.54
1619	33.99	34.91
1620	35.46	34.25
1621	45.22	33.50
1622	37.17	32.67
1623	34.24	31.83
1624	18.13	31.11
1625	19.35	30.63
1626	21.55	30.43
1627	43.02	30.43
1628	25.21	30.50
1629	42.78	30.56
1630	37.41	30.54
1631	27.16	30.46
1632	15.45	30.39
1633	35.70	30.37
1634	35.95	30.34
1635	29.85	30.26
1636	37.41	30.14
1637	27.41	30.02
1638	18.62	29.95
1639	32.04	29.98
1640	34.97	30.08
1641	28.14	30.23
1642	25.94	30.43
1643	38.87	30.68
1644	35.21	30.94
1645	22.40	31.24
1646	30.88	31.63
1647	40.41	32.12
1648	12.20	32.70
1649	34.09	33.38
1650	30.15	34.06
1651	40.65	34.60

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
1652	52.97	34.85
1653	41.06	34.71
1654	24.88	34.23
1655	39.29	33.52
1656	32.35	32.64
1657	34.49	31.66
1658	16.58	30.69
1659	30.54	29.81
1660	26.46	29.03
1661	32.92	28.32
1662	29.97	27.67
1663	28.80	27.07
1664	24.70	26.56
1665	31.30	26.17
1666	20.46	25.94
1667	19.75	25.93
1668	24.66	26.17
1669	27.26	26.63
1670	24.33	27.26
1671	29.11	28.02
1672	29.32	28.82
1673	30.98	29.62
1674	32.42	30.36
1675	35.91	30.99
1676	26.63	31.49
1677	34.05	31.87
1678	35.11	32.13
1679	31.78	32.25
1680	41.55	32.25
1681	22.62	32.19
1682	34.33	32.14
1683	38.69	32.13
1684	27.93	32.22
1685	13.80	32.50
1686	32.94	32.99
1687	37.44	33.62
1688	31.88	34.27
1689	46.17	34.85
1690	33.77	35.27
1691	34.20	35.52
1692	45.95	35.59
1693	33.05	35.47
1694	34.51	35.22
1695	40.40	34.90

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
1696	19.89	34.57
1697	34.51	34.29
1698	30.67	34.04
1699	41.80	33.79
1700	33.30	33.48
1701	43.41	33.10
1702	27.51	32.66
1703	34.54	32.26
1704	18.88	31.95
1705	23.16	31.79
1706	42.88	31.74
1707	28.89	31.68
1708	42.00	31.57
1709	25.73	31.38
1710	39.61	31.13
1711	21.76	30.83
1712	38.46	30.54
1713	35.93	30.26
1714	24.03	30.06
1715	26.71	30.03
1716	20.75	30.25
1717	29.31	30.72
1718	31.81	31.41
1719	18.59	32.22
1720	38.61	33.08
1721	41.47	33.79
1722	38.80	34.22
1723	41.64	34.27
1724	32.42	33.93
1725	36.25	33.20
1726	39.21	32.13
1727	35.53	30.78
1728	29.45	29.25
1729	14.97	27.72
1730	22.14	26.33
1731	26.22	25.14
1732	29.66	24.16
1733	13.26	23.43
1734	29.18	22.97
1735	17.94	22.80
1736	27.38	22.91
1737	19.19	23.32
1738	19.90	24.03
1739	19.13	25.03

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
1740	26.05	26.26
1741	26.54	27.62
1742	22.05	29.00
1743	40.06	30.27
1744	32.17	31.26
1745	38.12	31.85
1746	46.25	31.98
1747	45.70	31.62
1748	14.64	30.90
1749	33.60	30.01
1750	21.93	29.08
1751	34.20	28.21
1752	13.04	27.49
1753	28.94	26.99
1754	33.81	26.72
1755	23.76	26.69
1756	21.97	26.92
1757	15.41	27.47
1758	32.36	28.30
1759	33.41	29.30
1760	23.69	30.39
1761	42.68	31.50
1762	39.94	32.53
1763	17.30	33.48
1764	32.50	34.36
1765	31.99	35.11
1766	45.97	35.62
1767	39.02	35.76
1768	38.07	35.48
1769	37.69	34.78
1770	38.14	33.66
1771	47.22	32.17
1772	30.58	30.42
1773	10.91	28.63
1774	25.54	26.99
1775	24.96	25.59
1776	24.30	24.49
1777	20.94	23.73
1778	27.87	23.34
1779	17.33	23.36
1780	15.03	23.83
1781	19.48	24.73
1782	20.42	25.99
1783	32.56	27.46

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
1784	45.84	28.99
1785	29.31	30.44
1786	24.53	31.80
1787	36.15	33.08
1788	35.03	34.23
1789	28.24	35.23
1790	38.63	36.03
1791	39.38	36.57
1792	37.86	36.77
1793	47.21	36.60
1794	38.38	36.04
1795	37.99	35.17
1796	31.94	34.08
1797	29.19	32.89
1798	30.29	31.70
1799	29.22	30.59
1800	31.86	29.62
1801	23.19	28.82
1802	21.07	28.27
1803	28.69	27.95
1804	34.29	27.83
1805	28.63	27.87
1806	15.66	28.06
1807	31.81	28.40
1808	35.30	28.81
1809	23.37	29.23
1810	33.80	29.63
1811	28.70	29.96
1812	28.98	30.20
1813	31.69	30.30
1814	24.30	30.22
1815	39.53	29.92
1816	46.64	29.33
1817	33.56	28.47
1818	13.37	27.48
1819	22.63	26.56
1820	25.49	25.81
1821	33.35	25.27
1822	12.98	25.00
1823	18.09	25.09
1824	21.29	25.55
1825	29.15	26.32
1826	27.30	27.30
1827	28.87	28.42

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
1828	38.05	29.59
1829	29.07	30.74
1830	29.60	31.89
1831	29.83	33.00
1832	35.22	34.06
1833	39.67	35.00
1834	40.04	35.79
1835	33.45	36.41
1836	28.90	36.89
1837	33.76	37.24
1838	38.68	37.38
1839	49.49	37.23
1840	43.98	36.70
1841	44.43	35.83
1842	27.19	34.70
1843	28.31	33.48
1844	37.65	32.28
1845	28.07	31.17
1846	27.49	30.26
1847	14.73	29.63
1848	27.82	29.31
1849	38.54	29.23
1850	29.12	29.30
1851	17.20	29.50
1852	35.36	29.79
1853	31.73	30.06
1854	30.87	30.23
1855	35.43	30.22
1856	36.41	29.99
1857	38.26	29.52
1858	38.00	28.88
1859	21.84	28.21
1860	25.72	27.70
1861	11.99	27.54
1862	17.97	27.84
1863	26.37	28.61
1864	18.91	29.76
1865	30.07	31.16
1866	37.16	32.59
1867	39.86	33.83
1868	48.66	34.67
1869	48.22	35.01
1870	32.67	34.83
1871	31.67	34.24

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
1872	42.45	33.35
1873	26.60	32.27
1874	25.98	31.13
1875	26.80	30.06
1876	26.16	29.12
1877	35.76	28.36
1878	26.30	27.78
1879	23.33	27.47
1880	13.37	27.47
1881	27.15	27.80
1882	30.59	28.36
1883	23.75	29.03
1884	32.46	29.71
1885	37.92	30.25
1886	32.83	30.55
1887	38.07	30.54
1888	33.25	30.21
1889	30.07	29.60
1890	23.94	28.77
1891	34.33	27.80
1892	30.90	26.75
1893	13.46	25.71
1894	24.16	24.79
1895	26.37	24.02
1896	14.21	23.42
1897	33.10	23.02
1898	30.31	22.79
1899	12.36	22.76
1900	19.02	23.02
1901	27.80	23.61
1902	16.30	24.52
1903	30.59	25.73
1904	10.32	27.21
1905	31.59	28.91
1906	30.95	30.68
1907	46.15	32.37
1908	44.53	33.84
1909	33.17	35.07
1910	25.99	36.14
1911	35.73	37.09
1912	42.50	37.92
1913	33.48	38.58
1914	39.28	39.07
1915	42.04	39.35

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
1916	45.65	39.37
1917	40.19	39.12
1918	28.74	38.64
1919	47.64	37.95
1920	45.64	37.04
1921	46.25	35.97
1922	20.62	34.87
1923	25.51	33.93
1924	38.51	33.26
1925	20.09	32.89
1926	38.82	32.86
1927	26.15	33.14
1928	26.62	33.70
1929	32.41	34.47
1930	41.33	35.32
1931	37.97	36.10
1932	48.08	36.71
1933	40.13	37.08
1934	33.23	37.21
1935	41.60	37.17
1936	37.27	36.98
1937	37.68	36.69
1938	30.62	36.37
1939	25.29	36.09
1940	29.42	35.85
1941	44.62	35.58
1942	41.55	35.15
1943	33.32	34.49
1944	40.64	33.59
1945	39.12	32.46
1946	18.96	31.15
1947	29.06	29.76
1948	31.37	28.31
1949	41.22	26.79
1950	18.06	25.27
1951	15.00	23.86
1952	26.98	22.67
1953	21.99	21.73
1954	21.93	21.08
1955	12.54	20.78
1956	10.43	20.88
1957	16.94	21.36
1958	27.31	22.11
1959	22.55	22.99

Year	Annual Reconstructed Values	20 Year Spline Reconstructed Values
1960	33.96	23.88
1961	32.09	24.67
1962	26.05	25.36
1963	23.29	25.98
1964	18.27	26.59
1965	33.24	27.22
1966	28.02	27.85
1967	15.54	28.48
1968	33.80	29.11
1969	35.91	29.65
1970	38.00	30.04
1971	20.17	30.29
1972	37.31	30.43
1973	38.14	30.47
1974	20.86	30.45
1975	42.40	30.47
1976	25.07	30.57
1977	20.42	30.88
1978	26.81	31.47
1979	38.44	32.33
1980	29.65	33.42
1981	30.32	34.73
1982	32.38	36.21
1983	38.69	37.79
1984	28.55	39.35
1985	50.43	40.77
1986	56.64	41.87
1987	47.23	42.52
1988	51.37	42.74
1989	32.58	42.61
1990	31.00	42.24
1991	41.85	41.70
1992	44.62	40.94
1993	38.64	39.91
1994	36.82	38.60
1995	49.93	36.98
1996	18.74	35.01
1997	42.91	32.74
1998	30.33	30.12
1999	40.42	27.16
2000	15.58	23.91
2001	23.07	20.48
2002	7.15	16.96

APPENDIX I
CHAMA RECONSTRUCTED PRECIPITATION VALUES

Ronald H. Towner

Table I.1. Chama Reconstructed Precipitation Values.

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
759	38.11	37.05
760	33.20	38.41
761	41.58	39.78
762	43.02	41.12
763	37.82	42.41
764	32.62	43.64
765	51.98	44.74
766	60.66	45.59
767	48.23	46.12
768	49.09	46.36
769	48.81	46.39
770	43.60	46.34
771	33.78	46.31
772	52.27	46.39
773	32.91	46.61
774	33.20	46.96
775	54.59	47.36
776	69.90	47.61
777	48.52	47.58
778	51.41	47.29
779	41.58	46.82
780	51.12	46.27
781	44.18	45.70
782	36.67	45.21
783	34.35	44.89
784	53.72	44.73
785	43.02	44.67
786	35.51	44.69
787	54.59	44.76
788	43.02	44.79
789	43.89	44.74
790	45.34	44.58
791	51.98	44.28
792	48.52	43.80
793	44.47	43.18
794	43.60	42.51
795	35.51	41.88
796	40.71	41.39
797	26.55	41.09
798	46.20	41.00
799	36.96	41.06
800	43.31	41.19

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
801	43.02	41.31
802	45.92	41.37
803	47.65	41.29
804	44.47	41.09
805	44.47	40.81
806	37.53	40.53
807	33.20	40.36
808	38.11	40.40
809	25.97	40.67
810	37.82	41.14
811	39.27	41.71
812	50.54	42.18
813	61.81	42.39
814	51.70	42.22
815	50.54	41.75
816	31.75	41.12
817	25.11	40.56
818	24.24	40.21
819	35.80	40.09
820	48.81	40.06
821	64.70	39.96
822	47.94	39.71
823	23.08	39.41
824	32.33	39.25
825	32.33	39.29
826	41.29	39.53
827	31.17	39.90
828	63.55	40.33
829	32.33	40.72
830	37.82	41.10
831	51.41	41.48
832	42.45	41.85
833	39.85	42.25
834	34.93	42.75
835	36.96	43.39
836	48.81	44.13
837	47.65	44.91
838	54.01	45.67
839	42.74	46.40
840	26.26	47.14
841	53.14	47.90
842	45.05	48.53
843	73.37	48.89
844	60.08	48.87

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
845	58.63	48.52
846	37.53	48.03
847	32.33	47.65
848	44.18	47.55
849	39.85	47.79
850	49.38	48.36
851	39.85	49.20
852	43.31	50.23
853	61.23	51.28
854	62.10	52.17
855	49.38	52.76
856	68.46	53.01
857	31.17	52.87
858	68.75	52.38
859	54.01	51.46
860	62.97	50.14
861	41.00	48.48
862	55.16	46.64
863	28.86	44.75
864	47.36	42.98
865	45.34	41.38
866	49.96	40.05
867	15.28	39.11
868	19.90	38.72
869	49.38	38.88
870	31.46	39.44
871	51.98	40.26
872	39.27	41.22
873	47.07	42.22
874	43.31	43.20
875	41.58	44.11
876	62.39	44.94
877	51.12	45.64
878	17.88	46.32
879	58.05	47.09
880	45.05	47.91
881	55.74	48.75
882	43.89	49.59
883	52.27	50.46
884	23.08	51.35
885	55.16	52.21
886	65.28	52.82
887	61.52	52.94
888	78.29	52.45

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
889	47.65	51.32
890	60.94	49.73
891	31.46	47.87
892	33.20	45.98
893	61.81	44.19
894	31.46	42.55
895	24.53	41.18
896	51.41	40.13
897	30.60	39.36
898	33.49	38.85
899	52.85	38.51
900	38.98	38.26
901	34.35	38.09
902	38.11	38.01
903	43.60	38.01
904	32.04	38.09
905	61.23	38.25
906	21.93	38.54
907	14.70	39.09
908	58.63	39.93
909	39.85	40.94
910	37.82	42.06
911	58.63	43.27
912	23.95	44.54
913	39.27	45.89
914	47.94	47.23
915	51.98	48.39
916	48.52	49.20
917	69.62	49.51
918	55.74	49.21
919	59.79	48.34
920	45.63	47.00
921	54.30	45.41
922	25.68	43.80
923	38.40	42.42
924	15.57	41.41
925	48.81	40.82
926	38.40	40.55
927	31.75	40.47
928	60.94	40.47
929	48.23	40.41
930	25.39	40.25
931	46.20	40.05
932	41.29	39.77

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
933	43.31	39.39
934	47.07	38.94
935	28.28	38.46
936	39.85	38.06
937	30.60	37.77
938	56.03	37.63
939	22.50	37.65
940	32.33	37.93
941	40.42	38.50
942	36.67	39.32
943	32.33	40.35
944	44.18	41.52
945	39.56	42.73
946	46.20	43.85
947	47.36	44.76
948	50.25	45.33
949	58.92	45.49
950	57.77	45.20
951	42.16	44.55
952	47.07	43.73
953	36.38	42.93
954	21.35	42.36
955	34.93	42.15
956	50.25	42.28
957	41.29	42.64
958	32.62	43.19
959	51.98	43.86
960	49.96	44.51
961	45.92	45.06
962	47.07	45.49
963	53.14	45.78
964	33.78	45.93
965	39.56	45.98
966	56.03	45.90
967	49.96	45.60
968	41.58	45.06
969	43.02	44.30
970	58.63	43.32
971	41.58	42.12
972	24.53	40.83
973	53.43	39.53
974	41.29	38.26
975	23.37	37.09
976	33.78	36.13

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
977	54.59	35.41
978	32.62	34.93
979	38.11	34.83
980	15.57	35.25
981	19.90	36.34
982	31.17	38.08
983	39.85	40.30
984	35.80	42.78
985	54.30	45.25
986	53.14	47.43
987	62.10	49.07
988	65.28	50.03
989	62.97	50.24
990	58.63	49.81
991	38.11	48.97
992	37.24	47.98
993	28.86	47.06
994	48.23	46.29
995	39.56	45.64
996	51.41	45.03
997	50.54	44.37
998	51.41	43.59
999	32.91	42.72
1000	52.85	41.80
1001	35.22	40.85
1002	37.24	39.94
1003	46.49	39.12
1004	34.64	38.42
1005	16.15	37.89
1006	41.29	37.57
1007	45.63	37.32
1008	51.41	37.03
1009	40.13	36.67
1010	36.67	36.29
1011	41.58	36.04
1012	32.04	36.05
1013	19.32	36.48
1014	23.08	37.46
1015	38.11	38.98
1016	46.78	40.90
1017	52.27	43.05
1018	50.83	45.33
1019	30.02	47.71
1020	53.14	50.18

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
1021	47.94	52.64
1022	46.49	54.96
1023	64.70	56.97
1024	68.46	58.47
1025	73.66	59.29
1026	62.39	59.36
1027	57.19	58.75
1028	59.79	57.55
1029	67.30	55.84
1030	48.52	53.75
1031	42.16	51.48
1032	47.36	49.18
1033	56.32	46.94
1034	48.52	44.85
1035	19.90	43.04
1036	23.66	41.66
1037	48.52	40.68
1038	42.16	39.93
1039	47.65	39.26
1040	50.54	38.57
1041	29.73	37.82
1042	52.27	37.08
1043	38.69	36.37
1044	27.71	35.83
1045	34.35	35.62
1046	26.55	35.85
1047	34.64	36.58
1048	26.55	37.82
1049	32.33	39.53
1050	41.29	41.57
1051	44.47	43.76
1052	59.21	45.89
1053	47.65	47.77
1054	63.26	49.31
1055	50.25	50.45
1056	54.30	51.25
1057	52.27	51.76
1058	45.63	52.06
1059	42.74	52.26
1060	54.88	52.36
1061	57.19	52.33
1062	31.17	52.14
1063	61.23	51.76
1064	65.28	51.04

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
1065	74.53	49.89
1066	60.37	48.37
1067	27.71	46.73
1068	20.77	45.33
1069	38.40	44.35
1070	40.42	43.81
1071	42.16	43.61
1072	48.52	43.65
1073	40.42	43.79
1074	50.83	43.94
1075	41.29	43.99
1076	51.12	43.88
1077	47.07	43.53
1078	35.22	42.95
1079	52.85	42.14
1080	49.09	41.07
1081	32.33	39.79
1082	46.49	38.43
1083	28.00	37.05
1084	38.40	35.78
1085	29.15	34.68
1086	24.24	33.82
1087	36.96	33.21
1088	39.56	32.80
1089	42.74	32.56
1090	17.01	32.54
1091	25.11	32.81
1092	43.02	33.38
1093	23.08	34.17
1094	36.09	35.15
1095	41.87	36.23
1096	45.34	37.32
1097	40.71	38.37
1098	38.69	39.41
1099	32.91	40.50
1100	43.89	41.66
1101	30.89	42.89
1102	54.59	44.16
1103	50.54	45.38
1104	46.20	46.54
1105	37.53	47.65
1106	57.48	48.73
1107	36.67	49.73
1108	46.78	50.63

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
1109	64.70	51.35
1110	57.77	51.74
1111	46.49	51.80
1112	63.55	51.52
1113	49.96	50.94
1114	50.54	50.13
1115	39.56	49.19
1116	45.63	48.20
1117	56.32	47.18
1118	43.31	46.13
1119	54.01	45.10
1120	41.58	44.14
1121	29.44	43.38
1122	45.05	42.88
1123	32.91	42.65
1124	50.83	42.66
1125	43.89	42.83
1126	34.35	43.11
1127	36.67	43.49
1128	47.07	43.85
1129	70.19	44.05
1130	51.98	43.99
1131	27.71	43.76
1132	40.13	43.51
1133	46.49	43.31
1134	38.98	43.17
1135	38.69	43.11
1136	46.49	43.14
1137	35.22	43.21
1138	41.29	43.30
1139	54.88	43.33
1140	35.80	43.21
1141	54.01	42.89
1142	48.81	42.36
1143	37.24	41.63
1144	42.45	40.79
1145	48.81	39.90
1146	28.86	39.06
1147	38.98	38.38
1148	30.89	37.96
1149	43.02	37.84
1150	24.24	38.04
1151	20.48	38.57
1152	57.77	39.36

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
1153	46.78	40.18
1154	50.54	40.95
1155	46.20	41.65
1156	31.75	42.34
1157	40.42	43.12
1158	34.07	44.01
1159	48.81	45.01
1160	46.49	46.01
1161	34.64	46.95
1162	60.37	47.74
1163	58.63	48.23
1164	55.74	48.36
1165	48.81	48.17
1166	38.69	47.74
1167	53.43	47.20
1168	39.27	46.58
1169	36.38	45.96
1170	45.05	45.35
1171	53.72	44.70
1172	51.12	43.93
1173	53.14	43.06
1174	33.49	42.18
1175	34.35	41.42
1176	37.82	40.89
1177	28.57	40.62
1178	41.29	40.58
1179	43.31	40.68
1180	48.81	40.81
1181	51.41	40.88
1182	30.89	40.88
1183	36.38	40.88
1184	55.16	40.87
1185	51.41	40.84
1186	23.37	40.86
1187	34.35	41.09
1188	43.02	41.57
1189	36.96	42.25
1190	47.36	43.11
1191	49.67	44.07
1192	33.49	45.10
1193	42.45	46.18
1194	47.36	47.23
1195	58.92	48.11
1196	59.50	48.72

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
1197	56.90	49.03
1198	40.42	49.10
1199	33.78	49.06
1200	56.90	48.97
1201	53.14	48.79
1202	51.41	48.50
1203	46.49	48.16
1204	50.54	47.81
1205	32.91	47.51
1206	35.80	47.32
1207	55.74	47.17
1208	41.87	46.93
1209	58.34	46.47
1210	51.12	45.69
1211	55.74	44.54
1212	42.74	43.06
1213	53.43	41.38
1214	31.75	39.63
1215	34.07	38.05
1216	28.57	36.80
1217	18.17	36.02
1218	32.04	35.75
1219	48.52	35.88
1220	36.09	36.29
1221	36.09	36.93
1222	35.22	37.76
1223	49.96	38.73
1224	37.24	39.80
1225	30.89	40.99
1226	50.54	42.31
1227	24.53	43.70
1228	49.96	45.11
1229	51.41	46.41
1230	57.48	47.44
1231	56.90	48.12
1232	58.05	48.46
1233	39.56	48.55
1234	37.53	48.55
1235	45.63	48.54
1236	41.58	48.54
1237	51.12	48.49
1238	58.63	48.31
1239	49.09	47.93
1240	30.89	47.35

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
1241	64.70	46.58
1242	49.96	45.54
1243	37.82	44.26
1244	51.12	42.80
1245	44.47	41.23
1246	27.71	39.65
1247	41.58	38.16
1248	34.35	36.82
1249	45.92	35.67
1250	36.67	34.77
1251	20.19	34.24
1252	21.06	34.21
1253	47.07	34.69
1254	15.57	35.60
1255	41.00	36.91
1256	36.38	38.46
1257	57.77	40.11
1258	24.82	41.70
1259	61.23	43.19
1260	48.81	44.47
1261	35.51	45.55
1262	63.26	46.44
1263	38.98	47.17
1264	34.07	47.79
1265	47.94	48.37
1266	51.12	48.81
1267	51.70	49.04
1268	61.52	48.99
1269	45.63	48.62
1270	49.38	47.98
1271	44.76	47.14
1272	52.27	46.13
1273	38.98	45.02
1274	36.09	43.89
1275	64.99	42.76
1276	23.37	41.66
1277	53.43	40.69
1278	21.64	39.90
1279	51.70	39.37
1280	22.21	39.10
1281	40.42	39.10
1282	41.00	39.32
1283	48.23	39.65
1284	35.22	40.06

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
1285	44.76	40.52
1286	34.07	41.03
1287	51.98	41.58
1288	31.46	42.13
1289	39.85	42.70
1290	71.93	43.24
1291	31.75	43.70
1292	26.84	44.22
1293	62.68	44.86
1294	37.24	45.58
1295	39.56	46.42
1296	34.64	47.38
1297	52.56	48.37
1298	65.86	49.25
1299	45.05	49.86
1300	55.16	50.19
1301	59.21	50.21
1302	54.01	49.95
1303	45.63	49.48
1304	28.86	48.95
1305	61.52	48.41
1306	43.31	47.84
1307	43.60	47.23
1308	41.29	46.58
1309	56.61	45.83
1310	58.05	44.91
1311	39.27	43.84
1312	32.04	42.71
1313	59.79	41.61
1314	50.54	40.57
1315	15.57	39.75
1316	17.59	39.34
1317	39.85	39.38
1318	49.38	39.71
1319	47.94	40.16
1320	41.29	40.65
1321	45.05	41.16
1322	35.80	41.67
1323	38.69	42.21
1324	35.80	42.75
1325	64.12	43.23
1326	43.31	43.57
1327	38.40	43.81
1328	30.60	44.00

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
1329	50.25	44.17
1330	51.12	44.23
1331	37.24	44.14
1332	54.59	43.88
1333	53.72	43.43
1334	40.13	42.86
1335	30.31	42.28
1336	36.09	41.82
1337	47.36	41.49
1338	35.51	41.26
1339	56.90	41.14
1340	38.40	41.11
1341	31.17	41.25
1342	36.96	41.62
1343	35.51	42.24
1344	50.25	43.03
1345	49.67	43.88
1346	58.34	44.74
1347	24.82	45.63
1348	43.89	46.62
1349	63.55	47.67
1350	39.85	48.72
1351	50.25	49.78
1352	25.97	50.84
1353	65.57	51.83
1354	64.41	52.56
1355	49.38	52.89
1356	58.92	52.77
1357	56.61	52.18
1358	66.73	51.11
1359	58.63	49.65
1360	35.80	47.98
1361	50.54	46.36
1362	31.46	45.00
1363	32.04	44.08
1364	35.80	43.67
1365	46.78	43.76
1366	41.00	44.26
1367	40.42	45.06
1368	63.26	46.05
1369	29.44	47.12
1370	57.77	48.20
1371	45.34	49.19
1372	61.52	49.98

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
1373	54.01	50.51
1374	64.99	50.75
1375	47.07	50.76
1376	25.11	50.70
1377	50.25	50.66
1378	56.90	50.59
1379	51.98	50.38
1380	55.16	49.96
1381	51.70	49.33
1382	32.91	48.47
1383	66.15	47.41
1384	50.25	46.09
1385	46.49	44.55
1386	42.74	42.90
1387	43.89	41.26
1388	31.46	39.78
1389	40.42	38.58
1390	20.48	37.75
1391	33.20	37.36
1392	38.11	37.34
1393	38.69	37.58
1394	39.27	37.99
1395	46.20	38.44
1396	43.31	38.88
1397	40.13	39.28
1398	57.77	39.66
1399	23.37	40.10
1400	29.15	40.75
1401	41.29	41.67
1402	39.85	42.83
1403	36.09	44.15
1404	58.92	45.53
1405	43.02	46.84
1406	60.94	48.01
1407	31.75	48.99
1408	47.65	49.77
1409	62.10	50.26
1410	65.86	50.35
1411	36.38	50.01
1412	62.10	49.32
1413	36.09	48.31
1414	71.93	47.08
1415	31.17	45.66
1416	36.38	44.25

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
1417	57.77	42.95
1418	34.93	41.81
1419	32.62	40.98
1420	37.82	40.55
1421	42.45	40.54
1422	38.40	40.96
1423	31.46	41.82
1424	25.68	43.07
1425	47.07	44.60
1426	52.56	46.16
1427	60.37	47.48
1428	71.64	48.39
1429	45.34	48.82
1430	44.18	48.89
1431	48.23	48.72
1432	35.80	48.38
1433	55.16	47.92
1434	59.50	47.33
1435	44.18	46.63
1436	45.63	45.93
1437	34.93	45.35
1438	24.24	44.98
1439	56.03	44.81
1440	47.65	44.70
1441	54.59	44.55
1442	35.51	44.31
1443	58.34	44.00
1444	38.98	43.61
1445	22.79	43.20
1446	51.98	42.79
1447	55.16	42.30
1448	49.38	41.66
1449	29.15	40.94
1450	28.57	40.23
1451	49.38	39.58
1452	44.47	38.92
1453	37.82	38.26
1454	36.09	37.65
1455	25.97	37.15
1456	43.02	36.79
1457	21.35	36.52
1458	54.88	36.32
1459	41.29	36.07
1460	42.16	35.79

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
1461	23.95	35.56
1462	38.11	35.49
1463	24.53	35.63
1464	25.39	36.01
1465	32.62	36.57
1466	49.38	37.18
1467	45.63	37.65
1468	37.24	37.91
1469	45.63	37.93
1470	47.07	37.74
1471	25.11	37.39
1472	43.60	37.01
1473	35.22	36.68
1474	31.17	36.48
1475	30.31	36.49
1476	37.24	36.76
1477	34.35	37.27
1478	42.74	38.00
1479	40.42	38.91
1480	18.17	40.00
1481	53.72	41.25
1482	36.96	42.51
1483	38.98	43.69
1484	62.39	44.64
1485	58.63	45.23
1486	51.12	45.45
1487	32.91	45.41
1488	36.09	45.27
1489	45.63	45.10
1490	39.85	44.87
1491	53.43	44.56
1492	51.70	44.12
1493	47.36	43.56
1494	49.96	42.96
1495	19.90	42.44
1496	27.42	42.17
1497	31.75	42.11
1498	60.37	42.11
1499	62.97	41.94
1500	40.13	41.52
1501	42.16	40.91
1502	42.45	40.23
1503	38.40	39.57
1504	35.51	39.08

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
1505	41.29	38.86
1506	24.24	39.00
1507	40.13	39.60
1508	21.35	40.64
1509	48.23	42.06
1510	34.35	43.69
1511	44.47	45.33
1512	51.98	46.76
1513	71.64	47.73
1514	66.73	48.06
1515	70.77	47.78
1516	20.19	47.09
1517	22.50	46.35
1518	50.83	45.74
1519	40.42	45.24
1520	55.16	44.82
1521	53.14	44.45
1522	32.91	44.17
1523	42.16	44.08
1524	33.49	44.19
1525	39.27	44.50
1526	47.65	44.92
1527	42.74	45.29
1528	49.67	45.48
1529	64.41	45.34
1530	48.81	44.78
1531	56.32	43.85
1532	31.75	42.67
1533	36.96	41.44
1534	37.97	40.30
1535	28.20	39.32
1536	38.57	38.56
1537	42.40	37.98
1538	29.77	37.54
1539	40.95	37.22
1540	50.23	36.95
1541	42.72	36.70
1542	21.37	36.55
1543	40.50	36.60
1544	33.64	36.88
1545	31.88	37.41
1546	33.22	38.19
1547	39.56	39.16
1548	35.16	40.24

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
1549	45.13	41.33
1550	53.14	42.27
1551	37.96	42.99
1552	46.04	43.45
1553	45.94	43.61
1554	44.05	43.44
1555	47.62	42.93
1556	48.20	42.10
1557	52.50	40.99
1558	34.97	39.72
1559	31.22	38.47
1560	29.98	37.43
1561	35.40	36.68
1562	23.24	36.28
1563	34.32	36.21
1564	39.13	36.38
1565	45.51	36.68
1566	37.99	37.01
1567	30.37	37.34
1568	35.53	37.66
1569	41.22	37.89
1570	47.89	37.96
1571	42.71	37.80
1572	44.20	37.45
1573	24.03	36.99
1574	34.70	36.54
1575	39.39	36.13
1576	34.46	35.78
1577	45.26	35.52
1578	32.75	35.38
1579	21.98	35.47
1580	33.24	35.86
1581	36.12	36.52
1582	39.72	37.40
1583	41.11	38.43
1584	37.46	39.56
1585	33.76	40.77
1586	43.81	42.01
1587	41.83	43.18
1588	53.94	44.18
1589	61.95	44.94
1590	32.15	45.44
1591	49.20	45.80
1592	43.27	46.07

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
1593	30.79	46.30
1594	56.13	46.51
1595	49.62	46.61
1596	52.88	46.56
1597	57.99	46.39
1598	33.03	46.15
1599	46.05	46.00
1600	37.50	46.00
1601	43.24	46.19
1602	47.45	46.55
1603	51.88	47.02
1604	50.36	47.56
1605	49.93	48.17
1606	44.63	48.85
1607	35.60	49.65
1608	50.15	50.55
1609	49.07	51.43
1610	64.52	52.14
1611	61.21	52.55
1612	54.98	52.61
1613	59.31	52.34
1614	47.74	51.81
1615	39.84	51.15
1616	44.49	50.43
1617	53.43	49.63
1618	59.35	48.70
1619	44.72	47.62
1620	54.22	46.41
1621	49.88	45.15
1622	39.00	43.92
1623	38.50	42.89
1624	37.11	42.14
1625	28.08	41.77
1626	37.27	41.76
1627	49.68	42.01
1628	40.67	42.40
1629	50.61	42.82
1630	53.80	43.18
1631	39.62	43.46
1632	38.60	43.73
1633	40.89	44.01
1634	45.44	44.31
1635	46.81	44.59
1636	50.35	44.82

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
1637	41.84	45.01
1638	32.41	45.18
1639	57.10	45.34
1640	58.05	45.43
1641	41.18	45.44
1642	39.45	45.49
1643	44.26	45.65
1644	40.45	45.96
1645	29.52	46.44
1646	54.87	47.02
1647	58.48	47.55
1648	46.91	47.90
1649	50.29	48.04
1650	46.63	47.93
1651	58.88	47.58
1652	43.37	46.96
1653	46.73	46.16
1654	37.16	45.24
1655	58.57	44.23
1656	41.65	43.17
1657	36.19	42.13
1658	31.88	41.24
1659	31.94	40.51
1660	45.06	39.93
1661	47.46	39.38
1662	44.42	38.78
1663	43.66	38.15
1664	30.06	37.54
1665	42.83	37.03
1666	30.41	36.69
1667	34.58	36.59
1668	30.32	36.78
1669	33.60	37.26
1670	37.79	37.99
1671	36.50	38.88
1672	37.66	39.85
1673	50.17	40.79
1674	45.23	41.59
1675	45.46	42.20
1676	33.55	42.62
1677	49.39	42.84
1678	49.33	42.85
1679	39.77	42.63
1680	53.15	42.24

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
1681	36.57	41.75
1682	39.40	41.26
1683	42.97	40.89
1684	34.74	40.71
1685	22.33	40.81
1686	43.35	41.20
1687	40.77	41.77
1688	37.51	42.41
1689	60.21	42.97
1690	48.66	43.31
1691	44.09	43.40
1692	50.90	43.28
1693	46.22	43.00
1694	36.86	42.69
1695	40.17	42.47
1696	29.18	42.46
1697	37.93	42.71
1698	38.10	43.19
1699	53.24	43.78
1700	40.33	44.36
1701	60.23	44.85
1702	47.73	45.19
1703	47.61	45.40
1704	34.79	45.57
1705	41.18	45.77
1706	56.53	46.00
1707	35.67	46.24
1708	45.52	46.50
1709	36.32	46.75
1710	68.26	46.92
1711	46.99	46.88
1712	59.23	46.66
1713	52.75	46.31
1714	30.92	46.00
1715	38.76	45.92
1716	32.05	46.18
1717	42.98	46.77
1718	48.65	47.59
1719	30.15	48.48
1720	66.69	49.27
1721	67.38	49.68
1722	55.82	49.57
1723	54.52	48.91
1724	42.53	47.79

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
1725	46.13	46.33
1726	55.64	44.60
1727	45.88	42.70
1728	34.94	40.80
1729	20.40	39.10
1730	35.46	37.75
1731	36.06	36.73
1732	43.94	36.02
1733	30.47	35.57
1734	40.25	35.38
1735	29.85	35.44
1736	45.20	35.76
1737	29.57	36.33
1738	33.30	37.19
1739	31.62	38.33
1740	38.15	39.70
1741	39.23	41.21
1742	41.23	42.72
1743	55.70	44.10
1744	37.16	45.20
1745	52.60	45.96
1746	55.04	46.26
1747	70.29	46.06
1748	25.37	45.41
1749	54.58	44.49
1750	36.24	43.43
1751	42.45	42.36
1752	34.23	41.39
1753	39.78	40.60
1754	47.26	40.03
1755	37.43	39.71
1756	31.41	39.72
1757	26.94	40.11
1758	42.80	40.86
1759	47.97	41.86
1760	43.04	42.97
1761	48.79	44.15
1762	53.73	45.31
1763	30.19	46.47
1764	50.81	47.63
1765	49.88	48.73
1766	46.85	49.72
1767	43.12	50.52
1768	53.38	51.05

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
1769	44.65	51.18
1770	63.85	50.76
1771	88.11	49.63
1772	57.18	47.76
1773	31.35	45.42
1774	33.96	42.97
1775	28.88	40.68
1776	40.66	38.71
1777	29.91	37.17
1778	36.63	36.10
1779	28.07	35.53
1780	25.94	35.46
1781	31.04	35.84
1782	40.64	36.51
1783	51.41	37.30
1784	51.88	38.06
1785	36.39	38.77
1786	32.28	39.52
1787	40.48	40.39
1788	34.74	41.42
1789	34.01	42.62
1790	39.69	43.94
1791	46.24	45.25
1792	50.21	46.41
1793	67.93	47.25
1794	48.50	47.67
1795	49.42	47.74
1796	38.14	47.53
1797	50.02	47.13
1798	46.79	46.57
1799	41.04	45.90
1800	50.69	45.14
1801	37.09	44.30
1802	41.76	43.42
1803	48.67	42.48
1804	49.92	41.46
1805	42.18	40.38
1806	23.52	39.34
1807	49.55	38.44
1808	35.40	37.69
1809	32.74	37.13
1810	35.31	36.84
1811	32.48	36.81
1812	30.80	37.04

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
1813	33.54	37.49
1814	34.74	38.06
1815	44.72	38.59
1816	59.45	38.94
1817	52.61	39.00
1818	27.31	38.84
1819	26.85	38.65
1820	39.48	38.53
1821	52.07	38.48
1822	24.94	38.52
1823	33.27	38.74
1824	37.10	39.14
1825	43.62	39.69
1826	40.51	40.31
1827	41.10	40.96
1828	52.91	41.61
1829	33.06	42.23
1830	41.08	42.87
1831	44.35	43.54
1832	44.70	44.20
1833	46.13	44.83
1834	42.94	45.41
1835	42.93	45.94
1836	39.90	46.38
1837	46.46	46.67
1838	47.96	46.70
1839	58.76	46.35
1840	63.61	45.51
1841	51.74	44.23
1842	36.79	42.65
1843	30.53	41.01
1844	37.62	39.53
1845	39.69	38.29
1846	34.85	37.40
1847	19.00	36.94
1848	37.10	36.96
1849	43.94	37.37
1850	39.83	38.10
1851	24.73	39.08
1852	48.05	40.28
1853	33.23	41.56
1854	40.94	42.82
1855	55.74	43.89
1856	55.53	44.61

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
1857	52.65	44.90
1858	52.72	44.81
1859	38.38	44.44
1860	47.53	43.96
1861	22.05	43.51
1862	48.98	43.21
1863	39.07	43.07
1864	34.34	43.07
1865	42.77	43.19
1866	39.29	43.32
1867	49.21	43.35
1868	53.15	43.12
1869	62.77	42.56
1870	37.86	41.66
1871	33.80	40.60
1872	38.94	39.52
1873	33.56	38.53
1874	40.31	37.70
1875	33.58	37.08
1876	28.36	36.73
1877	45.99	36.68
1878	37.86	36.88
1879	32.70	37.38
1880	24.77	38.21
1881	29.84	39.36
1882	48.10	40.71
1883	39.31	42.05
1884	57.86	43.23
1885	51.42	44.11
1886	47.21	44.62
1887	35.67	44.81
1888	53.16	44.71
1889	43.58	44.34
1890	37.00	43.72
1891	51.22	42.91
1892	47.49	41.90
1893	33.19	40.76
1894	36.99	39.59
1895	47.94	38.43
1896	19.02	37.34
1897	55.30	36.37
1898	48.81	35.52
1899	17.76	34.90
1900	22.80	34.70

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
1901	38.11	35.03
1902	19.75	35.86
1903	45.80	37.16
1904	18.23	38.81
1905	49.45	40.68
1906	50.30	42.55
1907	62.57	44.21
1908	52.09	45.57
1909	37.12	46.68
1910	41.84	47.62
1911	57.25	48.44
1912	56.27	49.14
1913	28.80	49.78
1914	48.60	50.43
1915	58.06	51.07
1916	52.99	51.60
1917	43.93	52.01
1918	43.93	52.26
1919	65.28	52.27
1920	68.24	51.90
1921	60.48	51.11
1922	45.64	50.01
1923	41.58	48.78
1924	52.11	47.59
1925	29.80	46.55
1926	51.92	45.76
1927	46.45	45.24
1928	40.66	45.01
1929	35.34	45.12
1930	48.17	45.55
1931	38.47	46.24
1932	56.02	47.11
1933	48.15	48.05
1934	43.82	48.98
1935	58.45	49.85
1936	43.48	50.58
1937	67.13	51.12
1938	52.29	51.41
1939	36.24	51.52
1940	41.59	51.47
1941	64.77	51.22
1942	61.61	50.63
1943	43.98	49.65
1944	56.77	48.34

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
1945	49.41	46.72
1946	32.94	44.90
1947	41.18	42.96
1948	52.90	40.93
1949	49.32	38.83
1950	28.66	36.75
1951	25.35	34.88
1952	35.54	33.33
1953	27.95	32.18
1954	31.54	31.46
1955	29.13	31.19
1956	16.82	31.40
1957	33.61	32.06
1958	42.65	33.05
1959	27.56	34.26
1960	37.91	35.62
1961	42.69	37.04
1962	43.92	38.46
1963	37.96	39.85
1964	29.33	41.22
1965	52.15	42.57
1966	41.77	43.83
1967	36.75	44.97
1968	55.48	45.95
1969	48.95	46.69
1970	62.49	47.14
1971	34.17	47.35
1972	46.33	47.41
1973	62.88	47.36
1974	37.55	47.26
1975	53.22	47.22
1976	28.93	47.33
1977	35.69	47.70
1978	61.37	48.27
1979	60.01	48.92
1980	52.14	49.60
1981	34.59	50.38
1982	41.17	51.31
1983	48.79	52.34
1984	47.75	53.33
1985	66.94	54.07
1986	74.04	54.35
1987	67.52	54.05
1988	55.09	53.23

Year	Annual Reconstructed Precipitation	20 Year Spline Reconstructed Precipitation
1989	32.36	52.07
1990	44.47	50.76
1991	56.29	49.35
1992	49.42	47.81
1993	39.22	46.18
1994	51.11	44.48
1995	48.60	42.72
1996	17.29	40.94
1997	49.77	39.20
1998	26.63	37.42
1999	53.45	35.55
2000	33.07	33.49
2001	40.33	31.27
2002	15.81	28.93

APPENDIX J
SPLINED Z-SCORE VALUES FOR BOTH RECONSTRUCTIONS

Ronald H. Towner

Table J.1. Splined Z-Score Values for Both Reconstructions.

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
760	-0.05	-1.06
761	0.06	-0.77
762	0.20	-0.49
763	0.32	-0.22
764	0.41	0.04
765	0.47	0.27
766	0.47	0.45
767	0.40	0.56
768	0.27	0.62
769	0.10	0.62
770	-0.10	0.61
771	-0.29	0.60
772	-0.48	0.62
773	-0.66	0.67
774	-0.80	0.74
775	-0.89	0.83
776	-0.97	0.88
777	-1.05	0.87
778	-1.13	0.81
779	-1.19	0.71
780	-1.23	0.60
781	-1.24	0.48
782	-1.21	0.37
783	-1.14	0.30
784	-1.03	0.27
785	-0.92	0.26
786	-0.82	0.26
787	-0.74	0.28
788	-0.70	0.28
789	-0.67	0.27
790	-0.62	0.24
791	-0.53	0.18
792	-0.41	0.08
793	-0.26	-0.05
794	-0.07	-0.20
795	0.18	-0.33
796	0.48	-0.43
797	0.81	-0.50
798	1.15	-0.51
799	1.46	-0.50
800	1.69	-0.48
801	1.79	-0.45

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
802	1.75	-0.44
803	1.57	-0.45
804	1.30	-0.50
805	0.96	-0.56
806	0.61	-0.61
807	0.26	-0.65
808	-0.01	-0.64
809	-0.19	-0.59
810	-0.26	-0.48
811	-0.25	-0.37
812	-0.19	-0.27
813	-0.12	-0.22
814	-0.09	-0.26
815	-0.11	-0.36
816	-0.19	-0.49
817	-0.30	-0.61
818	-0.40	-0.68
819	-0.47	-0.71
820	-0.49	-0.71
821	-0.48	-0.73
822	-0.44	-0.79
823	-0.36	-0.85
824	-0.22	-0.88
825	-0.02	-0.88
826	0.18	-0.82
827	0.34	-0.75
828	0.43	-0.66
829	0.45	-0.57
830	0.40	-0.49
831	0.30	-0.41
832	0.16	-0.34
833	0.00	-0.25
834	-0.16	-0.15
835	-0.30	-0.01
836	-0.40	0.15
837	-0.45	0.31
838	-0.45	0.47
839	-0.42	0.62
840	-0.38	0.78
841	-0.32	0.94
842	-0.28	1.07
843	-0.26	1.15
844	-0.26	1.15
845	-0.27	1.07

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
846	-0.25	0.97
847	-0.18	0.89
848	-0.05	0.87
849	0.15	0.92
850	0.40	1.04
851	0.72	1.22
852	1.08	1.43
853	1.45	1.65
854	1.78	1.84
855	2.04	1.97
856	2.22	2.02
857	2.31	1.99
858	2.30	1.89
859	2.20	1.69
860	2.02	1.41
861	1.76	1.06
862	1.48	0.68
863	1.19	0.28
864	0.90	-0.10
865	0.63	-0.43
866	0.39	-0.72
867	0.16	-0.91
868	-0.01	-1.00
869	-0.12	-0.96
870	-0.18	-0.84
871	-0.18	-0.67
872	-0.15	-0.47
873	-0.13	-0.26
874	-0.13	-0.05
875	-0.14	0.14
876	-0.13	0.32
877	-0.12	0.46
878	-0.09	0.61
879	-0.03	0.77
880	0.04	0.94
881	0.13	1.12
882	0.23	1.30
883	0.37	1.48
884	0.51	1.67
885	0.65	1.85
886	0.75	1.98
887	0.77	2.00
888	0.70	1.90
889	0.53	1.66

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
890	0.28	1.33
891	-0.04	0.93
892	-0.36	0.54
893	-0.67	0.16
894	-0.96	-0.19
895	-1.24	-0.48
896	-1.49	-0.70
897	-1.73	-0.86
898	-1.92	-0.97
899	-2.06	-1.04
900	-2.14	-1.09
901	-2.14	-1.13
902	-2.08	-1.15
903	-1.98	-1.15
904	-1.86	-1.13
905	-1.74	-1.09
906	-1.60	-1.03
907	-1.42	-0.92
908	-1.19	-0.74
909	-0.95	-0.53
910	-0.70	-0.29
911	-0.45	-0.04
912	-0.19	0.23
913	0.08	0.52
914	0.35	0.80
915	0.58	1.04
916	0.76	1.21
917	0.84	1.28
918	0.81	1.22
919	0.70	1.03
920	0.52	0.75
921	0.30	0.42
922	0.09	0.08
923	-0.07	-0.22
924	-0.18	-0.43
925	-0.23	-0.55
926	-0.22	-0.61
927	-0.18	-0.63
928	-0.10	-0.63
929	0.01	-0.64
930	0.14	-0.67
931	0.29	-0.72
932	0.45	-0.78
933	0.60	-0.85

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
934	0.73	-0.95
935	0.84	-1.05
936	0.92	-1.14
937	0.98	-1.20
938	1.03	-1.23
939	1.08	-1.22
940	1.11	-1.16
941	1.13	-1.04
942	1.11	-0.87
943	1.07	-0.65
944	1.02	-0.40
945	0.96	-0.15
946	0.85	0.09
947	0.68	0.28
948	0.45	0.40
949	0.18	0.43
950	-0.13	0.37
951	-0.42	0.23
952	-0.66	0.06
953	-0.81	-0.11
954	-0.86	-0.23
955	-0.81	-0.27
956	-0.68	-0.25
957	-0.51	-0.17
958	-0.31	-0.05
959	-0.08	0.09
960	0.17	0.22
961	0.41	0.34
962	0.65	0.43
963	0.86	0.49
964	1.03	0.52
965	1.16	0.54
966	1.22	0.52
967	1.19	0.46
968	1.04	0.34
969	0.80	0.18
970	0.50	-0.03
971	0.17	-0.28
972	-0.17	-0.55
973	-0.47	-0.82
974	-0.72	-1.09
975	-0.88	-1.34
976	-0.97	-1.54
977	-0.99	-1.69

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
978	-0.97	-1.80
979	-0.90	-1.82
980	-0.77	-1.73
981	-0.57	-1.50
982	-0.29	-1.13
983	0.04	-0.66
984	0.42	-0.14
985	0.81	0.38
986	1.15	0.84
987	1.40	1.19
988	1.52	1.39
989	1.53	1.43
990	1.44	1.34
991	1.33	1.17
992	1.24	0.96
993	1.18	0.76
994	1.13	0.60
995	1.04	0.46
996	0.86	0.34
997	0.58	0.20
998	0.22	0.03
999	-0.17	-0.15
1000	-0.54	-0.35
1001	-0.86	-0.55
1002	-1.09	-0.74
1003	-1.23	-0.91
1004	-1.30	-1.06
1005	-1.30	-1.17
1006	-1.25	-1.24
1007	-1.19	-1.29
1008	-1.15	-1.35
1009	-1.13	-1.43
1010	-1.11	-1.51
1011	-1.05	-1.56
1012	-0.97	-1.56
1013	-0.87	-1.47
1014	-0.76	-1.26
1015	-0.61	-0.94
1016	-0.47	-0.54
1017	-0.32	-0.08
1018	-0.15	0.40
1019	0.06	0.90
1020	0.31	1.42
1021	0.60	1.94

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
1022	0.91	2.43
1023	1.21	2.86
1024	1.48	3.17
1025	1.65	3.34
1026	1.72	3.36
1027	1.66	3.23
1028	1.51	2.98
1029	1.28	2.62
1030	1.00	2.18
1031	0.70	1.70
1032	0.41	1.21
1033	0.12	0.74
1034	-0.15	0.30
1035	-0.37	-0.08
1036	-0.54	-0.37
1037	-0.67	-0.58
1038	-0.80	-0.74
1039	-0.93	-0.88
1040	-1.07	-1.03
1041	-1.20	-1.18
1042	-1.31	-1.34
1043	-1.40	-1.49
1044	-1.44	-1.61
1045	-1.43	-1.65
1046	-1.34	-1.60
1047	-1.19	-1.45
1048	-0.98	-1.19
1049	-0.71	-0.83
1050	-0.41	-0.39
1051	-0.10	0.07
1052	0.18	0.52
1053	0.42	0.91
1054	0.60	1.24
1055	0.74	1.48
1056	0.85	1.65
1057	0.95	1.75
1058	1.05	1.82
1059	1.16	1.86
1060	1.27	1.88
1061	1.37	1.88
1062	1.44	1.84
1063	1.46	1.75
1064	1.40	1.60
1065	1.24	1.36

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
1066	1.01	1.04
1067	0.73	0.70
1068	0.46	0.40
1069	0.25	0.19
1070	0.10	0.08
1071	-0.01	0.04
1072	-0.08	0.04
1073	-0.12	0.07
1074	-0.14	0.10
1075	-0.12	0.12
1076	-0.08	0.09
1077	-0.04	0.02
1078	-0.01	-0.10
1079	-0.01	-0.28
1080	-0.03	-0.50
1081	-0.07	-0.77
1082	-0.13	-1.06
1083	-0.23	-1.35
1084	-0.35	-1.62
1085	-0.46	-1.85
1086	-0.56	-2.03
1087	-0.66	-2.16
1088	-0.76	-2.25
1089	-0.87	-2.30
1090	-0.99	-2.30
1091	-1.07	-2.24
1092	-1.10	-2.12
1093	-1.12	-1.96
1094	-1.11	-1.75
1095	-1.10	-1.52
1096	-1.08	-1.29
1097	-1.03	-1.07
1098	-0.93	-0.85
1099	-0.76	-0.62
1100	-0.52	-0.38
1101	-0.23	-0.12
1102	0.04	0.15
1103	0.27	0.41
1104	0.46	0.65
1105	0.60	0.89
1106	0.70	1.12
1107	0.78	1.33
1108	0.85	1.52
1109	0.91	1.67

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
1110	0.95	1.75
1111	0.96	1.76
1112	0.95	1.71
1113	0.93	1.58
1114	0.93	1.41
1115	0.95	1.21
1116	0.99	1.00
1117	1.02	0.79
1118	1.02	0.57
1119	0.98	0.35
1120	0.90	0.15
1121	0.81	-0.01
1122	0.71	-0.12
1123	0.60	-0.17
1124	0.48	-0.16
1125	0.35	-0.13
1126	0.19	-0.07
1127	0.00	0.01
1128	-0.22	0.09
1129	-0.47	0.13
1130	-0.76	0.12
1131	-1.04	0.07
1132	-1.30	0.02
1133	-1.51	-0.03
1134	-1.66	-0.06
1135	-1.75	-0.07
1136	-1.77	-0.06
1137	-1.73	-0.05
1138	-1.63	-0.03
1139	-1.49	-0.02
1140	-1.33	-0.05
1141	-1.14	-0.12
1142	-0.98	-0.23
1143	-0.85	-0.38
1144	-0.75	-0.56
1145	-0.67	-0.75
1146	-0.62	-0.92
1147	-0.57	-1.07
1148	-0.51	-1.16
1149	-0.43	-1.18
1150	-0.33	-1.14
1151	-0.19	-1.03
1152	-0.02	-0.86
1153	0.11	-0.69

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
1154	0.20	-0.52
1155	0.23	-0.38
1156	0.25	-0.23
1157	0.30	-0.07
1158	0.42	0.12
1159	0.61	0.33
1160	0.81	0.54
1161	1.00	0.74
1162	1.15	0.91
1163	1.21	1.01
1164	1.18	1.04
1165	1.07	1.00
1166	0.93	0.91
1167	0.78	0.79
1168	0.63	0.66
1169	0.50	0.53
1170	0.39	0.40
1171	0.30	0.27
1172	0.20	0.10
1173	0.11	-0.08
1174	0.04	-0.27
1175	0.01	-0.43
1176	0.00	-0.54
1177	0.03	-0.60
1178	0.09	-0.60
1179	0.14	-0.58
1180	0.17	-0.56
1181	0.16	-0.54
1182	0.11	-0.54
1183	0.04	-0.54
1184	-0.07	-0.54
1185	-0.20	-0.55
1186	-0.34	-0.54
1187	-0.46	-0.50
1188	-0.52	-0.40
1189	-0.53	-0.25
1190	-0.49	-0.07
1191	-0.42	0.13
1192	-0.32	0.35
1193	-0.18	0.58
1194	0.00	0.80
1195	0.20	0.99
1196	0.41	1.11
1197	0.64	1.18

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
1198	0.88	1.19
1199	1.11	1.19
1200	1.32	1.17
1201	1.46	1.13
1202	1.51	1.07
1203	1.47	1.00
1204	1.37	0.92
1205	1.23	0.86
1206	1.08	0.82
1207	0.93	0.79
1208	0.75	0.74
1209	0.53	0.64
1210	0.26	0.47
1211	-0.08	0.23
1212	-0.47	-0.08
1213	-0.90	-0.44
1214	-1.32	-0.80
1215	-1.71	-1.14
1216	-2.04	-1.40
1217	-2.26	-1.57
1218	-2.39	-1.62
1219	-2.41	-1.60
1220	-2.37	-1.51
1221	-2.24	-1.37
1222	-2.04	-1.20
1223	-1.77	-0.99
1224	-1.45	-0.77
1225	-1.07	-0.52
1226	-0.65	-0.24
1227	-0.20	0.05
1228	0.26	0.35
1229	0.69	0.63
1230	1.05	0.84
1231	1.32	0.99
1232	1.52	1.06
1233	1.66	1.08
1234	1.76	1.08
1235	1.82	1.08
1236	1.84	1.08
1237	1.83	1.07
1238	1.78	1.03
1239	1.72	0.95
1240	1.65	0.83
1241	1.55	0.66

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
1242	1.40	0.44
1243	1.17	0.17
1244	0.85	-0.13
1245	0.45	-0.47
1246	-0.01	-0.80
1247	-0.48	-1.11
1248	-0.93	-1.40
1249	-1.35	-1.64
1250	-1.70	-1.83
1251	-1.97	-1.94
1252	-2.15	-1.95
1253	-2.22	-1.85
1254	-2.21	-1.65
1255	-2.11	-1.38
1256	-1.95	-1.05
1257	-1.74	-0.70
1258	-1.49	-0.37
1259	-1.21	-0.05
1260	-0.93	0.22
1261	-0.64	0.44
1262	-0.36	0.63
1263	-0.08	0.79
1264	0.19	0.92
1265	0.43	1.04
1266	0.63	1.13
1267	0.75	1.18
1268	0.77	1.17
1269	0.68	1.09
1270	0.50	0.96
1271	0.26	0.78
1272	0.00	0.57
1273	-0.28	0.33
1274	-0.55	0.10
1275	-0.80	-0.14
1276	-1.02	-0.38
1277	-1.19	-0.58
1278	-1.30	-0.75
1279	-1.34	-0.86
1280	-1.32	-0.92
1281	-1.25	-0.91
1282	-1.15	-0.87
1283	-1.03	-0.80
1284	-0.89	-0.71
1285	-0.75	-0.62

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
1286	-0.59	-0.51
1287	-0.42	-0.39
1288	-0.24	-0.28
1289	-0.05	-0.16
1290	0.12	-0.04
1291	0.28	0.06
1292	0.45	0.16
1293	0.62	0.30
1294	0.80	0.45
1295	0.99	0.63
1296	1.18	0.83
1297	1.35	1.04
1298	1.47	1.22
1299	1.52	1.35
1300	1.49	1.42
1301	1.39	1.43
1302	1.23	1.37
1303	1.04	1.27
1304	0.85	1.16
1305	0.68	1.05
1306	0.55	0.93
1307	0.47	0.80
1308	0.43	0.66
1309	0.42	0.50
1310	0.40	0.31
1311	0.38	0.08
1312	0.36	-0.15
1313	0.34	-0.39
1314	0.32	-0.60
1315	0.32	-0.78
1316	0.36	-0.86
1317	0.45	-0.86
1318	0.55	-0.79
1319	0.64	-0.69
1320	0.69	-0.59
1321	0.71	-0.48
1322	0.71	-0.37
1323	0.70	-0.26
1324	0.71	-0.15
1325	0.72	-0.04
1326	0.74	0.03
1327	0.76	0.08
1328	0.80	0.12
1329	0.83	0.15

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
1330	0.84	0.17
1331	0.79	0.15
1332	0.68	0.09
1333	0.48	0.00
1334	0.21	-0.12
1335	-0.11	-0.24
1336	-0.43	-0.34
1337	-0.71	-0.41
1338	-0.92	-0.46
1339	-1.04	-0.49
1340	-1.08	-0.49
1341	-1.04	-0.46
1342	-0.94	-0.38
1343	-0.79	-0.25
1344	-0.63	-0.09
1345	-0.48	0.09
1346	-0.34	0.28
1347	-0.22	0.46
1348	-0.08	0.67
1349	0.06	0.89
1350	0.21	1.11
1351	0.34	1.34
1352	0.47	1.56
1353	0.59	1.77
1354	0.69	1.92
1355	0.75	1.99
1356	0.79	1.97
1357	0.80	1.84
1358	0.77	1.62
1359	0.68	1.31
1360	0.55	0.96
1361	0.40	0.62
1362	0.26	0.33
1363	0.16	0.13
1364	0.12	0.05
1365	0.12	0.07
1366	0.15	0.17
1367	0.19	0.34
1368	0.23	0.55
1369	0.25	0.78
1370	0.26	1.00
1371	0.25	1.21
1372	0.20	1.38
1373	0.11	1.49

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
1374	-0.01	1.54
1375	-0.12	1.54
1376	-0.19	1.53
1377	-0.20	1.52
1378	-0.14	1.51
1379	-0.04	1.46
1380	0.10	1.38
1381	0.26	1.24
1382	0.43	1.06
1383	0.58	0.84
1384	0.68	0.56
1385	0.73	0.23
1386	0.70	-0.11
1387	0.62	-0.46
1388	0.49	-0.77
1389	0.36	-1.03
1390	0.23	-1.20
1391	0.12	-1.28
1392	0.04	-1.29
1393	-0.05	-1.24
1394	-0.17	-1.15
1395	-0.31	-1.05
1396	-0.47	-0.96
1397	-0.62	-0.88
1398	-0.74	-0.80
1399	-0.81	-0.71
1400	-0.81	-0.57
1401	-0.73	-0.37
1402	-0.60	-0.13
1403	-0.44	0.15
1404	-0.28	0.44
1405	-0.13	0.72
1406	-0.01	0.96
1407	0.09	1.17
1408	0.15	1.34
1409	0.14	1.44
1410	0.05	1.46
1411	-0.13	1.39
1412	-0.39	1.24
1413	-0.69	1.03
1414	-1.03	0.77
1415	-1.39	0.47
1416	-1.72	0.17
1417	-2.00	-0.10

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
1418	-2.22	-0.34
1419	-2.35	-0.52
1420	-2.37	-0.61
1421	-2.28	-0.61
1422	-2.08	-0.52
1423	-1.77	-0.34
1424	-1.37	-0.08
1425	-0.89	0.24
1426	-0.40	0.57
1427	0.06	0.85
1428	0.46	1.04
1429	0.78	1.14
1430	1.03	1.15
1431	1.21	1.11
1432	1.33	1.04
1433	1.39	0.95
1434	1.38	0.82
1435	1.32	0.67
1436	1.22	0.53
1437	1.11	0.40
1438	1.01	0.33
1439	0.93	0.29
1440	0.87	0.27
1441	0.81	0.23
1442	0.73	0.18
1443	0.64	0.12
1444	0.54	0.03
1445	0.44	-0.05
1446	0.34	-0.14
1447	0.23	-0.24
1448	0.11	-0.38
1449	-0.01	-0.53
1450	-0.11	-0.68
1451	-0.19	-0.82
1452	-0.27	-0.95
1453	-0.36	-1.09
1454	-0.47	-1.22
1455	-0.59	-1.33
1456	-0.69	-1.40
1457	-0.78	-1.46
1458	-0.84	-1.50
1459	-0.87	-1.55
1460	-0.87	-1.61
1461	-0.81	-1.66

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
1462	-0.70	-1.68
1463	-0.55	-1.65
1464	-0.38	-1.57
1465	-0.23	-1.45
1466	-0.14	-1.32
1467	-0.14	-1.22
1468	-0.23	-1.17
1469	-0.41	-1.16
1470	-0.62	-1.20
1471	-0.82	-1.28
1472	-0.97	-1.36
1473	-1.05	-1.43
1474	-1.06	-1.47
1475	-0.99	-1.47
1476	-0.85	-1.41
1477	-0.66	-1.30
1478	-0.44	-1.15
1479	-0.19	-0.96
1480	0.07	-0.73
1481	0.37	-0.46
1482	0.67	-0.20
1483	0.94	0.05
1484	1.17	0.25
1485	1.31	0.38
1486	1.36	0.42
1487	1.34	0.42
1488	1.26	0.39
1489	1.15	0.35
1490	1.01	0.30
1491	0.85	0.24
1492	0.69	0.14
1493	0.53	0.03
1494	0.37	-0.10
1495	0.25	-0.21
1496	0.15	-0.27
1497	0.07	-0.28
1498	0.00	-0.28
1499	-0.09	-0.32
1500	-0.19	-0.41
1501	-0.26	-0.53
1502	-0.30	-0.68
1503	-0.29	-0.82
1504	-0.24	-0.92
1505	-0.14	-0.97

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
1506	0.03	-0.94
1507	0.25	-0.81
1508	0.50	-0.59
1509	0.76	-0.29
1510	1.00	0.05
1511	1.19	0.40
1512	1.30	0.70
1513	1.32	0.90
1514	1.23	0.98
1515	1.06	0.91
1516	0.85	0.77
1517	0.65	0.61
1518	0.46	0.49
1519	0.24	0.38
1520	-0.04	0.29
1521	-0.36	0.21
1522	-0.69	0.15
1523	-0.97	0.13
1524	-1.16	0.16
1525	-1.25	0.22
1526	-1.24	0.31
1527	-1.15	0.39
1528	-1.00	0.43
1529	-0.80	0.40
1530	-0.56	0.28
1531	-0.29	0.09
1532	0.01	-0.16
1533	0.32	-0.42
1534	0.65	-0.66
1535	0.98	-0.87
1536	1.29	-1.03
1537	1.57	-1.15
1538	1.77	-1.24
1539	1.89	-1.31
1540	1.88	-1.37
1541	1.72	-1.42
1542	1.43	-1.45
1543	1.08	-1.44
1544	0.68	-1.38
1545	0.31	-1.27
1546	-0.02	-1.11
1547	-0.27	-0.90
1548	-0.45	-0.67
1549	-0.54	-0.45

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
1550	-0.56	-0.25
1551	-0.55	-0.09
1552	-0.51	0.00
1553	-0.47	0.04
1554	-0.45	0.00
1555	-0.46	-0.11
1556	-0.51	-0.28
1557	-0.60	-0.52
1558	-0.72	-0.79
1559	-0.83	-1.05
1560	-0.90	-1.27
1561	-0.90	-1.43
1562	-0.80	-1.51
1563	-0.62	-1.53
1564	-0.36	-1.49
1565	-0.08	-1.43
1566	0.19	-1.36
1567	0.44	-1.29
1568	0.65	-1.22
1569	0.79	-1.17
1570	0.82	-1.16
1571	0.74	-1.19
1572	0.57	-1.26
1573	0.34	-1.36
1574	0.07	-1.46
1575	-0.24	-1.54
1576	-0.59	-1.62
1577	-0.97	-1.67
1578	-1.40	-1.70
1579	-1.83	-1.68
1580	-2.22	-1.60
1581	-2.51	-1.46
1582	-2.72	-1.27
1583	-2.82	-1.06
1584	-2.82	-0.82
1585	-2.73	-0.56
1586	-2.56	-0.30
1587	-2.33	-0.06
1588	-2.05	0.16
1589	-1.73	0.32
1590	-1.36	0.42
1591	-0.91	0.50
1592	-0.39	0.56
1593	0.17	0.60

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
1594	0.72	0.65
1595	1.19	0.67
1596	1.51	0.66
1597	1.66	0.62
1598	1.65	0.57
1599	1.55	0.54
1600	1.40	0.54
1601	1.27	0.58
1602	1.20	0.66
1603	1.20	0.76
1604	1.26	0.87
1605	1.40	1.00
1606	1.58	1.14
1607	1.80	1.31
1608	2.02	1.50
1609	2.20	1.69
1610	2.31	1.84
1611	2.30	1.92
1612	2.18	1.93
1613	1.99	1.88
1614	1.76	1.77
1615	1.54	1.63
1616	1.35	1.47
1617	1.19	1.31
1618	1.04	1.11
1619	0.89	0.88
1620	0.73	0.63
1621	0.55	0.36
1622	0.35	0.10
1623	0.15	-0.12
1624	-0.03	-0.27
1625	-0.14	-0.35
1626	-0.19	-0.36
1627	-0.19	-0.30
1628	-0.17	-0.22
1629	-0.16	-0.13
1630	-0.16	-0.06
1631	-0.18	0.00
1632	-0.20	0.06
1633	-0.20	0.12
1634	-0.21	0.18
1635	-0.23	0.24
1636	-0.26	0.29
1637	-0.29	0.33

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
1638	-0.31	0.37
1639	-0.30	0.40
1640	-0.27	0.42
1641	-0.24	0.42
1642	-0.19	0.43
1643	-0.13	0.47
1644	-0.07	0.53
1645	0.00	0.63
1646	0.10	0.76
1647	0.22	0.87
1648	0.35	0.94
1649	0.52	0.97
1650	0.68	0.95
1651	0.81	0.87
1652	0.87	0.74
1653	0.84	0.57
1654	0.72	0.38
1655	0.55	0.17
1656	0.34	-0.06
1657	0.11	-0.28
1658	-0.13	-0.46
1659	-0.34	-0.62
1660	-0.53	-0.74
1661	-0.70	-0.86
1662	-0.85	-0.98
1663	-1.00	-1.12
1664	-1.12	-1.25
1665	-1.21	-1.35
1666	-1.27	-1.42
1667	-1.27	-1.44
1668	-1.21	-1.40
1669	-1.10	-1.30
1670	-0.95	-1.15
1671	-0.77	-0.96
1672	-0.58	-0.76
1673	-0.38	-0.56
1674	-0.21	-0.39
1675	-0.06	-0.26
1676	0.06	-0.17
1677	0.16	-0.13
1678	0.22	-0.13
1679	0.25	-0.17
1680	0.25	-0.25
1681	0.23	-0.36

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
1682	0.22	-0.46
1683	0.22	-0.54
1684	0.24	-0.58
1685	0.31	-0.56
1686	0.43	-0.47
1687	0.58	-0.35
1688	0.73	-0.22
1689	0.87	-0.10
1690	0.97	-0.03
1691	1.03	-0.01
1692	1.05	-0.03
1693	1.02	-0.09
1694	0.96	-0.16
1695	0.88	-0.20
1696	0.80	-0.21
1697	0.74	-0.15
1698	0.68	-0.05
1699	0.62	0.07
1700	0.54	0.19
1701	0.45	0.30
1702	0.35	0.37
1703	0.25	0.41
1704	0.18	0.45
1705	0.14	0.49
1706	0.12	0.54
1707	0.11	0.59
1708	0.08	0.65
1709	0.04	0.70
1710	-0.02	0.73
1711	-0.09	0.73
1712	-0.16	0.68
1713	-0.23	0.61
1714	-0.28	0.54
1715	-0.29	0.52
1716	-0.23	0.58
1717	-0.12	0.70
1718	0.04	0.87
1719	0.24	1.06
1720	0.45	1.23
1721	0.62	1.32
1722	0.72	1.29
1723	0.73	1.15
1724	0.65	0.92
1725	0.48	0.61

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
1726	0.22	0.24
1727	-0.11	-0.16
1728	-0.47	-0.56
1729	-0.84	-0.92
1730	-1.18	-1.20
1731	-1.46	-1.41
1732	-1.70	-1.57
1733	-1.87	-1.66
1734	-1.98	-1.70
1735	-2.02	-1.69
1736	-2.00	-1.62
1737	-1.90	-1.50
1738	-1.73	-1.32
1739	-1.49	-1.08
1740	-1.19	-0.79
1741	-0.86	-0.47
1742	-0.53	-0.15
1743	-0.23	0.14
1744	0.01	0.37
1745	0.15	0.53
1746	0.18	0.60
1747	0.10	0.55
1748	-0.08	0.42
1749	-0.29	0.22
1750	-0.51	0.00
1751	-0.72	-0.23
1752	-0.90	-0.43
1753	-1.02	-0.60
1754	-1.08	-0.72
1755	-1.09	-0.79
1756	-1.03	-0.78
1757	-0.90	-0.70
1758	-0.70	-0.54
1759	-0.46	-0.33
1760	-0.20	-0.10
1761	0.07	0.15
1762	0.31	0.40
1763	0.54	0.64
1764	0.75	0.88
1765	0.94	1.12
1766	1.06	1.32
1767	1.09	1.49
1768	1.02	1.61
1769	0.85	1.63

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
1770	0.59	1.54
1771	0.23	1.31
1772	-0.19	0.91
1773	-0.62	0.42
1774	-1.02	-0.10
1775	-1.35	-0.58
1776	-1.62	-1.00
1777	-1.80	-1.32
1778	-1.89	-1.55
1779	-1.89	-1.67
1780	-1.78	-1.68
1781	-1.56	-1.60
1782	-1.26	-1.46
1783	-0.90	-1.30
1784	-0.54	-1.14
1785	-0.19	-0.99
1786	0.14	-0.83
1787	0.45	-0.64
1788	0.72	-0.43
1789	0.96	-0.17
1790	1.16	0.10
1791	1.28	0.38
1792	1.33	0.63
1793	1.29	0.80
1794	1.16	0.89
1795	0.95	0.91
1796	0.69	0.86
1797	0.40	0.78
1798	0.12	0.66
1799	-0.15	0.52
1800	-0.39	0.36
1801	-0.58	0.18
1802	-0.71	0.00
1803	-0.79	-0.20
1804	-0.81	-0.42
1805	-0.81	-0.65
1806	-0.76	-0.86
1807	-0.68	-1.05
1808	-0.58	-1.21
1809	-0.48	-1.33
1810	-0.38	-1.39
1811	-0.30	-1.40
1812	-0.25	-1.35
1813	-0.22	-1.25

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
1814	-0.24	-1.14
1815	-0.31	-1.02
1816	-0.45	-0.95
1817	-0.66	-0.94
1818	-0.90	-0.97
1819	-1.12	-1.01
1820	-1.30	-1.04
1821	-1.43	-1.05
1822	-1.50	-1.04
1823	-1.47	-0.99
1824	-1.36	-0.91
1825	-1.18	-0.79
1826	-0.94	-0.66
1827	-0.67	-0.52
1828	-0.39	-0.39
1829	-0.11	-0.26
1830	0.16	-0.12
1831	0.43	0.02
1832	0.68	0.16
1833	0.91	0.29
1834	1.10	0.42
1835	1.25	0.53
1836	1.36	0.62
1837	1.45	0.68
1838	1.48	0.69
1839	1.44	0.61
1840	1.32	0.44
1841	1.11	0.17
1842	0.84	-0.17
1843	0.54	-0.51
1844	0.25	-0.83
1845	-0.01	-1.09
1846	-0.23	-1.27
1847	-0.38	-1.37
1848	-0.46	-1.37
1849	-0.48	-1.28
1850	-0.46	-1.13
1851	-0.41	-0.92
1852	-0.34	-0.67
1853	-0.28	-0.40
1854	-0.24	-0.13
1855	-0.24	0.09
1856	-0.30	0.25
1857	-0.41	0.31

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
1858	-0.56	0.29
1859	-0.72	0.21
1860	-0.85	0.11
1861	-0.89	0.01
1862	-0.81	-0.05
1863	-0.63	-0.08
1864	-0.35	-0.08
1865	-0.01	-0.05
1866	0.33	-0.02
1867	0.63	-0.02
1868	0.83	-0.07
1869	0.91	-0.19
1870	0.87	-0.37
1871	0.73	-0.60
1872	0.51	-0.83
1873	0.25	-1.04
1874	-0.02	-1.21
1875	-0.28	-1.34
1876	-0.50	-1.41
1877	-0.69	-1.43
1878	-0.83	-1.38
1879	-0.90	-1.28
1880	-0.90	-1.10
1881	-0.82	-0.86
1882	-0.69	-0.58
1883	-0.53	-0.29
1884	-0.36	-0.04
1885	-0.23	0.14
1886	-0.16	0.25
1887	-0.16	0.29
1888	-0.24	0.27
1889	-0.39	0.19
1890	-0.59	0.06
1891	-0.82	-0.11
1892	-1.07	-0.33
1893	-1.32	-0.57
1894	-1.55	-0.81
1895	-1.73	-1.06
1896	-1.87	-1.29
1897	-1.97	-1.49
1898	-2.03	-1.67
1899	-2.03	-1.80
1900	-1.97	-1.84
1901	-1.83	-1.77

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
1902	-1.61	-1.60
1903	-1.32	-1.33
1904	-0.96	-0.98
1905	-0.56	-0.58
1906	-0.13	-0.19
1907	0.28	0.16
1908	0.63	0.45
1909	0.93	0.68
1910	1.18	0.88
1911	1.41	1.06
1912	1.61	1.20
1913	1.77	1.34
1914	1.89	1.48
1915	1.95	1.61
1916	1.96	1.72
1917	1.90	1.81
1918	1.78	1.86
1919	1.62	1.86
1920	1.40	1.78
1921	1.14	1.62
1922	0.88	1.39
1923	0.65	1.13
1924	0.49	0.88
1925	0.40	0.66
1926	0.39	0.49
1927	0.46	0.38
1928	0.60	0.33
1929	0.78	0.35
1930	0.98	0.45
1931	1.17	0.59
1932	1.32	0.78
1933	1.41	0.97
1934	1.44	1.17
1935	1.43	1.35
1936	1.38	1.51
1937	1.31	1.62
1938	1.24	1.68
1939	1.17	1.70
1940	1.11	1.69
1941	1.05	1.64
1942	0.94	1.52
1943	0.79	1.31
1944	0.57	1.03
1945	0.30	0.69

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
1946	-0.02	0.31
1947	-0.35	-0.10
1948	-0.70	-0.53
1949	-1.06	-0.97
1950	-1.43	-1.41
1951	-1.77	-1.81
1952	-2.06	-2.13
1953	-2.28	-2.38
1954	-2.44	-2.53
1955	-2.51	-2.58
1956	-2.49	-2.54
1957	-2.37	-2.40
1958	-2.19	-2.19
1959	-1.98	-1.94
1960	-1.77	-1.65
1961	-1.57	-1.35
1962	-1.41	-1.05
1963	-1.26	-0.76
1964	-1.11	-0.47
1965	-0.96	-0.18
1966	-0.81	0.08
1967	-0.66	0.32
1968	-0.51	0.53
1969	-0.38	0.68
1970	-0.28	0.78
1971	-0.22	0.82
1972	-0.19	0.84
1973	-0.18	0.83
1974	-0.18	0.81
1975	-0.18	0.80
1976	-0.16	0.82
1977	-0.08	0.90
1978	0.06	1.02
1979	0.27	1.16
1980	0.53	1.30
1981	0.84	1.46
1982	1.20	1.66
1983	1.58	1.88
1984	1.96	2.09
1985	2.30	2.24
1986	2.56	2.30
1987	2.72	2.24
1988	2.77	2.06
1989	2.74	1.82

Year	Jemez Smoothed Z-Scores	Chama Smoothed Z-Scores
1990	2.65	1.55
1991	2.52	1.25
1992	2.34	0.92
1993	2.09	0.58
1994	1.77	0.22
1995	1.38	-0.15
1996	0.91	-0.53
1997	0.36	-0.89
1998	-0.26	-1.27
1999	-0.98	-1.66
2000	-1.76	-2.10
2001	-2.58	-2.57
2002	-3.43	-3.06
Mean	0.00	-0.02
SD	0.999134	0.999347

APPENDIX K
SOIL HORIZON NOMENCLATURE, KEYS TO SYMBOLS USED IN DESCRIPTIONS OF SOIL MORPHOLOGY, AND SOIL PROPERTIES USED IN FIELD DESCRIPTIONS

Paul Drakos and Steve Reneau

SOIL HORIZON NOMENCLATURE (from Birkeland 1999)

Description of Master Horizon, Horizon, and Subhorizons

O horizon: Surface accumulations of mainly organic material; may or may not be, or has been, saturated with water. Subdivided on the degree of decomposition as measured by the fiber content after the material is rubbed between the fingers.

Oi horizon: Least decomposed organic materials; rubbed fiber content is greater than 40 percent by volume.

Oe horizon: Intermediate degree of decomposition; rubbed fiber content is between 17 and 40 percent by volume.

A horizon: Accumulation of humified organic matter mixed with mineral function; the latter is dominant. Occurs at the surface or below an O horizon; Ap is used for those horizons disturbed by cultivation.

E horizon: Usually underlies an O or A horizon, and can be used for eluvial horizons within or between parts of the B horizon (e.g., common above fragipan, x). Characterized by less organic matter and/or fewer sesquioxides (compounds or iron and aluminum) and/r less clay than the underlying horizon. Many are marked by a concentration of sand and silt. Horizon is light colored due mainly to the color of the primary mineral grains because secondary coatings on the grains are absent; relative to the underlying horizon, color value will be higher or chroma will be lower.

B horizon: Underlies and O, A., or E horizon, and shows little or no evidence of the original sediment or rock structure. Several kinds of B horizons are recognized, some based on the kinds of materials illuviated into them, others on residual concentrations of materials. Subdisvisions are:

Bh horizon: Illuvial accumulation of amorphous organic matter-sesquioxide complexes that either coat grains or form sufficient coatings and pore fillings to cement the horizon.

Bhs horizon: Illuvial accumulation of amorphous organic matter-sesquioxide complexes, and sesquioxide component is significant; both color value and chroma are three or less.

Bk horizon: Illuvial accumulation of alkaline earth carbonates, mainly calcium carbonate; the properties do not meet those for the K horizon.

Bl horizon: Illuvial concentrations primarily of silt. Used when silt cap development reaches Stages 5 and 6.

Bo horizon: Residual concentration of sesquioxides, the more soluble materials having been removed.

Bq horizon: Accumulation of secondary silica.

Bs horizon. Illuvial accumulation of amorphous organic matter-sesquioxide complexes if both color value and chroma are greater than three.

Bt horizon: Accumulation of silicate clay that has either formed in situ or is illuvial (clay translocated either within the horizon or into the horizon); hence it will have more clay than the assumed parent material and/or the overlying horizon. Illuvial clay can be recognized as grain coatings, bridges between grains, coatings on ped or grain surfaces or in pores, or thin, single or multiple near-horizontal descrete accumulation layers of pedogenic origin (clay bands or lamellae). In places, subsequent pedogenesis can destroy evidence of illuviation.

Bw horizon: Development of color (redder hue or higher chroma relative to C) or structure, or both, with little or no apparent illuvial accumulation of material.

By horizon: Accumulation of secondary gypsum.

Bz horizon: Accumulation of salts more soluble than gypsum.

K horizon: A subsurface horizon is so impregnated with carbonate that its morphology is determined by the carbonate. Authigenic carbonate coats or engulfs nearly all primary grains in a continuous medium. The uppermost part of a strongly developed horizon is laminated, brecciated, and/or pisolithic (Machette 1985). The cemented horizon corresponds to some caliches and calcretes.

C horizon: A subsurface horizon, excluding R, like or unlike materials from which the soil formed, or is presumed to have formed. Lacks properties of A and B horizons, but includes materials in various stages of weathering.

Cox and Cu horizons: In many unconsolidated deposits, the C horizon consists of oxidized material overlying seemingly unweathered C. The oxidized C does not meet the requirement of the Bw horizon. In stratigraphy, it is important to differentiate between these two kinds of C horizons. Here Cox is used for oxidized C horizons and Cu for unweathered C horizons. Alternatively, the Cox can be termed BC or CB.

Cr horizon: In soils formed on bedrock, there commonly will be a zone of weathered rock between the soil and the underlying rock. If it can be shown that the weathered rock has formed

in place, and has not been transported, it is designated Cr. Such material is the saprolite of geologist; in situ formation is demonstrated by preservation of original rock features, such as grain-to-grain texture, layering, or dikes. If such material has been moved, however, the original structural features of the rock are lost, and the transported material may be the C horizon for the overlying soil. Those Cr horizons with translocated clay, as shown by clay films, are termed Crt.

R horizon: Consolidated bedrock underlying soil.

Selected Subordinate Departures

Lower-case letters follow the master horizon designation. Those that are mainly specific to a particular master horizon are given above. Some can be found in a variety of horizons; they are listed below.

b Buried soil horizon with major features formed prior to burial. May be deeply buried and not affected by subsequent pedogenesis; if shallow, they can be part of a younger soil profile.

c Concretion or nodules cemented by accumulations of iron, aluminum, manganeses, or titanium.

f Horizon cemented by permanent ice. Seasonally frozen horizons are not included, nor is dry permafrost material (material that lacks ice but is colder than 0° C).

g Horizon in which gleying is a dominant process that is, either iron has been removed during soil formation or saturation with stagnant water has preserved a reduced state. Common to these soils are neutral colors, with or without mottling. Most have chromas of 2 or less and many have redox concentrations. Strong gleying is indicated by chromas of one or less, and hues bluer than 10Y. Much of the above color is due to the color of reduced iron, or the color of uncoated grains from which iron pigment has been removed. Bg is used for horizons with pedogenic features in addition to gleying; however, if gleying is the only pedogenic feature, the horizon is designated Cg.

j Used in combination with other horizon designation (Btj, Ej) to denote incipient development of that particular feature or property. A rule for some desginations would be to use it for those horizons that do not meet criteria for diagnostic horizons (e.g., Ej for an eluvial horizon that does not meet the criteria of the albic horizon).

k Accumulation of alkaline earth carbonates, commonly $CaCO_3$.

m Horizon that is more than 90 percent cemented. Denote the cementing material (Km, carbonate; qm, silica; Kqm, carbonate and silica, etc.).

n Accumulation of exchangeable sodium.

ss Presence of slickensides.

v Has two uses: 1) One is plinthite, iron-rich, humus-poor, reddish material that hardens irreversibly when dried, and 2) If A horizons in arid environments have a vesicular structure (round voids), they are designated Av.

x Subsurface horizon characterized commonly by a bulk density greater than that of the adjacent horizons, firmness and brittleness, and very coarse prismatic structure with bleached vertical faces (fragipan character). An E horizon may overlie the fragipan horizon at depth as well as between the A and Bt horizons higher in the profile. If the E horizon nomenclature designations are identical, and both are pedogenic, a prime is applied to the lower E horizon. In this example, the profile would be A/E/Bt/E/Bx/Cox.

y Accumulation of gypsum.

z Accumulation of salts more soluble than gypsum (e.g., NaCl).

KEYS TO SYMBOLS USESD IN DESCRIPTIONS OF SOIL MORPHOLOGY

Structure

Grade	Size	Type	Other
1 = weak	vc = very coarse	sbk = subangular blocky	: = parting to (e.g. pr:pf)
2 = moderate	c = coarse	abk = angular blocky	
3 = strong	m = medium	pr = prismatic	
	f = fine	pl = platy	
		sg = single grain	
		m = massive	

Consistence

Dry	Moist	Wet - Stickiness	Wet - Plasticity
lo = loose	lo = loose	so = non sticky	po = non-plastic
			vps = very slightly
so = soft	vfr = very friable	vss = very slightly sticky	plastic
sh = slightly hard	fr = friable	ss = sticky	ps = slightly plastic
h = hard	fi = firm	s = sticky	p = plastic
vh = very hard	vfi = very firm		

Cutans

Abundance	Thickness/(Distinctness)	Location/Type	Type
n.o. = none observed	n = thin (faint)	po = along pores	man = mangans
	mk = moderately thick	co = coating gravel, ped	
v1 = very few (< 5%)	(distinct)	faces	skel = skeletons
1 = few (2 - 25%)	k = thick (prominent)	br = bridging grains	si = silans
		pf = along ped faces (as co	
2 = common (25 - 50%)		+ br)	
		pr:pf along prismatic ped	
3 = many (50 - 75%)		faces	
4=near continuous (75+%)		bk:pf on blocky ped faces	
		Lam = lamellae	
		Non-lam = interspace between lamellae	
		PI: ped interior	
		prfc: pressure faces	
		irg = irregular shape	

Horizon Boundary

Thickness	Topography	Carbonate effervescence in HCl
a =abrupt (< 2.5cm)	s = smooth	none = non-effervescent
c = clear (2.5 - 6cm)	w = wavy	e = slightly effervescent
g = gradual (6-12.5cm)	i = irregular	es = strongly effervescent
d = diffuse (> 12.5 cm)	b = broken	ev = violently effervescent
Texture		e- = very slightly effervescent
s = sand	sil = silt loam	
ls = loamy sand	scl = sandy clay loam	
sl = sandy loam	sicl = silty clay loam	
l = loam	cl = clay loam	

SOIL PROPERTIES USED IN FIELD DESCRIPTIONS
(From Birkeland 1999)

Structure

Describe type, grade, and structure size. If the structure is not apparent, take a spade full of the soil and tap it horizontally on the ground and look for repeating patterns.

Type of Structure: Use Table 1.3 to define the type of soil structure.

Grade:

m—massive. Enough aggregation to maintain a vertical face but no formation of structure type (structureless).

sg—single grain. No aggregation (structureless). Loose grains of a sand dune are a good example.

1—weak. Peds barely observable in place, and, when disturbed, few entire peds are observed; much of the material is unaggregated.

2—moderate. Peds easily observable in place. When disturbed, there is a mixture of whole peds, broken peds, and some material not organized into peds.

3—strong. Peds are distinctly visible in place, and, when disturbed, nearly the entire mass consists of whole peds.

Size: Size differs with the kind of structure as shown in Table A1.4. Smaller structural units may be held together in such a way as to form larger units. For example, small subangular blocky units may combine in such a way to form larger prismatic units. The dominant structure is the primary structure when calculating PDI values, and the subordinate structure is the secondary structure.

Table 1.3 Description and Probable Origin of Soil Structure

Type	Sketch[a] and Description		Probable Origin[b]	Usual Associated Soil Horizon
Granular		Spheroidally shaped aggregates with faces that do not accommodate adjoining ped faces	Colloids, mainly organic, bind the particles together; clay and Fe and Al hydroxides may be responsible for some binding, and flocculating capacity of some ions, such as Ca^{2+}, may be helpful; periodic dehydration helps form more stable aggregates	A
Angular blocky		Approximately equidimensional blocks with planar faces that are accommodated to adjoining ped faces; face intersections are sharp with angular blocky, rounded with subangular blocky	Many faces may be intersecting shear planes developed during swelling and shrinkage that accompany changes in soil moisture	Bt
Subangular blocky				
Prismatic		Particles are arranged about a vertical line, and ped is bounded by planar vertical faces that accommodate adjoining faces; prismatic has a flat top, and columnar a rounded top.	Faces develop as a result of tensional forces during times of dehydration; rounded column tops may be due to some combination of erosion by percolating water and greater amounts of upward swelling of column centers on wetting	Bt
Columnar				Bn
Platy		Particles are arranged about a inherited horizontal plane	May be related to particle size orientation from parent material or induced by freeze–thaw processes	E, or those with fragipan
			May be related to layering in cementing material, induced during its precipitation(carbonate, silica, Fe hydroxides)	Km, Bqm, Bs

[a]Taken from Soil Survey Staff (1975).
[b]From Baver (1956), Black (1957), Rode (1962), and White (1966).

Gravel Content

Estimate volume percentage occupied by gravel (>2 mm). Weight percentage can be determined in the field with a screen (one can use an inexpensive 3-mm door screen) and a hand-held portable scale. Be watchful for shape and lithologic changes during the screening process, as they may indicate parent materials of more than one origin.

Consistence

Consistence is a measure of the adherence of the soil particles to the fingers, the cohesion of soil particles to one another, and the resistance of the soil mass to deformation. Soil Survey Division Staff (1993) has changed some of the terms, but the older terms are kept here as PDI values are based on them. Because this property varies with moisture content, it is taken when the soil is dry, moist, and wet. The wet consistence (natural or artificial wetness) is useful in determining texture classes in the field.

Dry Consistence (naturally dry in exposure):

lo—loose. Noncoherent, such as grains of a sand dune.
so—soft. Easily fails to powder or single grain, with very slight force between thumb and forefinger.
sh—slightly hard. Easily fails under slight force between thumb and forefinger.
h—hard. Fails in the hands without difficulty; requires strong force to fail between thumb and forefinger.
vh—very hard. Fails in hands with difficulty, but not between thumb and forefinger.
eh—extremely hard. Cannot be failed in hands.

Moist Consistence (usual moisture when one digs back into exposure):

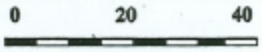
lo—loose. Noncoherent.
vfr—very friable. Easily fails to powder or single grain, with very slight force between thumb and forefinger.
fr—friable. Fails under slight force between thumb and forefinger.
fi—firm. Fails under moderate force between thumb and forefinger.
vfi—very firm. Fails under strong force between thumb and forefinger.
efi—extremely firm. Fails under very strong force between hands but cannot be crushed between thumb and forefinger.

Wet Consistence (usually wetted artificially, but not so much the mass flows):

Stickiness is measured by pressing the wet soil between the thumb and forefinger and noting its adherence.

so—nonsticky. Practically no adherence to thumb and forefinger when pressure released.
ss—slightly sticky. After release of pressure, soil adheres to both thumb and forefinger but comes off one or the other rather cleanly. Does not appreciably stretch.
s—sticky. After release of pressure, soil adheres to both thumb and forefinger and tends to stretch somewhat before pulling apart from either digit.
vs—very sticky. After release of pressure, soil adheres strongly to both digits and is markedly stretched when they are separated.

Table A1.4 Classes of Soil Structure



Size Class	Diameter of Granules (mm)	Thickness of Plates (mm)	Diameter of Blocks (mm)	Diameter of Prisms (mm)
vf—very fine	<1	<1	<5	<10
f—fine	1–2	1–2	5–10	10–20
m—medium	2–5	2–5	10–20	20–50
c—coarse	5—10	5–10	20–50	50–100
vc—very coarse	>10	>10	>50	>100

Plasticity is measured by rolling the wet soil between the thumb and forefinger and observing whether a roll can be formed and maintained.

po—nonplastic. No roll can be formed.

ps—slightly plastic. A roll 4 cm long and 6 mm thick can be formed and, if held on end, will support its own weight. A 4-mm-thick roll will not support its own weight. The roll is easily deformed and broken.

p—plastic. A roll 4 cm long and 4 mm thick can be formed and support its own weight. A 2-mm-thick roll will not support its own weight.

vp—very plastic. A roll 4 cm long and 2 mm thick can be formed and support its own weight. The roll is readily bent into a half or full circle.

Texture

Use established names from the textural triangle (Fig. A1.3). Screen out gravels and determine the textural class of the <2-mm fraction by noting the grittiness and wet consistence as shown in Fig. A1.4 (see also useful table of properties in Foss and others, 1975). Broad guidelines are given in the figure, but for more accuracy one should calibrate one's fingers by texturing samples with known particle-size distribution.

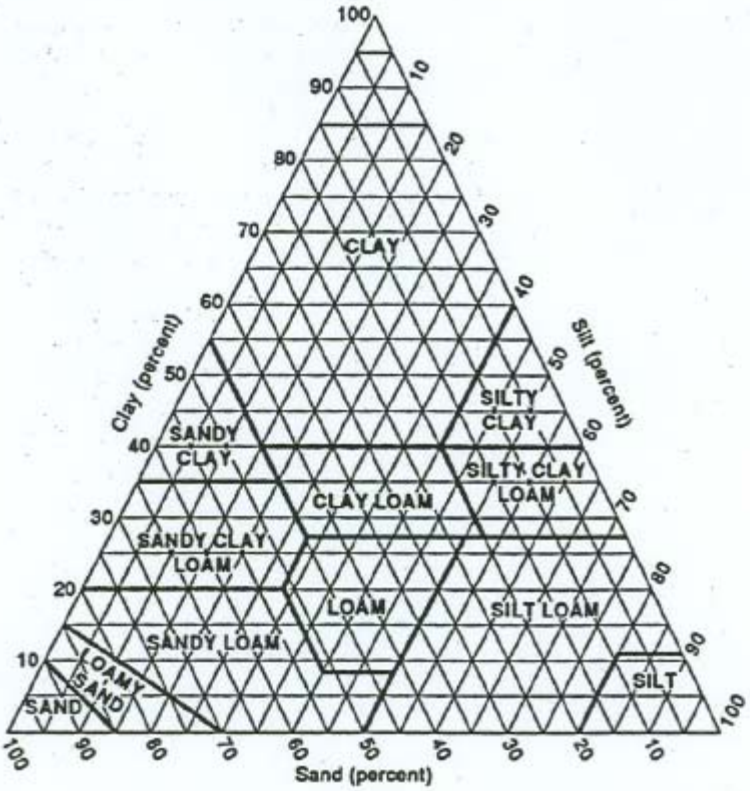


Figure A1.3 Textural names and abbreviations of names versus sand–silt–clay contents. *(Redrawn from Soil Survey Division Staff, 1993, Fig. 3.16.)*

TEXTURAL ABBREVIATIONS:			
C	Clay	SCL	Sandy Clay Loam
CL	Clay Loam	SL	Sandy Loam
L	Loam	Si	Silt
LS	Loamy Sand	SiC	Silty Clay
S	Sand	SiCL	Silty Clay Loam
SC	Sandy Clay	SiL	Silt Loam

MODIFIER ABBREVIATIONS:	
vf	very fine
f	fine
co	coarse
vco	very coarse
g	gravelly

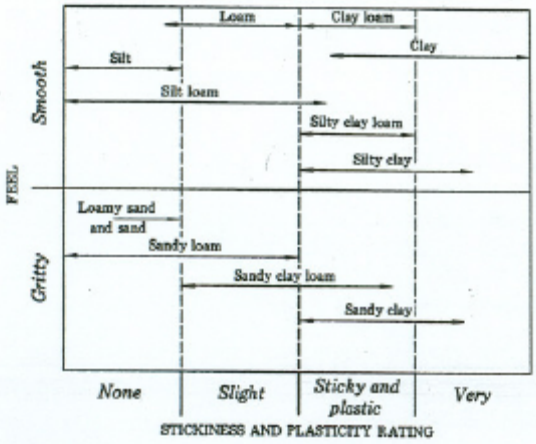


Figure A1.4 Approximate relations between texture class, grittiness, and wet consistence.

Clay Films

Clay films are thin layers of oriented clay and are described by recording their amount, distinctness, and locations. Study the peds with a hand lens in the field, or with a binocular microscope in the laboratory.

Amount:

vl—very few. Occupies less than 5% of the total area of the kind of surface described.
1—few. Occupies 5–25% of the total area of the kind of surface described.
2—common. Occupies 25–50% of the total area of the kind of surface described.
3—many. Occupies more than 50% of the total area of the kind of surface described.

The same classes are used to describe the amount of bridges connecting particles of structureless soil bodies. The amount is judged on the basis of the percentage of particles of the size designated that are joined to adjacent particles of similar size by bridges at contact points.

Distinctness: Distinctness refers to the ease and degree of certainty with which a surface feature can be identified. Distinctness is related to thickness, color contrast with the adjacent material, and other properties, but is not itself a measure of any one of them. Some thick films, for example, are faint, whereas some thin ones are prominent. The distinctness of some surface features changes markedly as the amount of moisture changes; therefore, the soil-water state might be specified. Clay films are difficult to recognize in wet soils. If classifying films on ped faces, compare features on a ped face with those on a nonstructural face broken across the ped. Three distinctness classes are used.

f—faint. Evident only on close examination with 10× magnification and cannot be identified positively in all places without greater magnification. The contrast with the adjacent material in color, texture, and other properties is small.

d—distinct. Can be detected without magnification, although magnification or tests may be needed for positive identification. The feature contrasts enough with the adjacent material that a difference in color, texture, or other properties is evident.

p—prominent. Conspicuous without magnification when compared with a surface broken through the soil. Color, texture, or some other property or combination of properties contrasts sharply with properties of the adjacent material, or the feature is thick enough to be conspicuous.

Location of Clay Films: Oriented clay is present as films on peds, inside of pores, or as bridges between grains and coats on grains. If films are preferential to some orientation (horizontal vs vertical), this should be noted.

pf—clay films occur on ped faces. Where the structure grade is weak or the soil is structureless, ped faces are indistinct or absent. It is probable that only when the structure grade is moderate or strong are the clay films on ped faces discernible.
po—clay films line tubular or interstitial pores.
br—oriented clay occurs as bridges holding mineral grains together. This is probably an initial step that occurs before clay films coat grains and is best observed in coarse-textured soils.
co—colloid coats mineral grains.
cobr—coats and bridges are present. This is probably more common than coats or bridges alone.

In describing clay films, care must be exercised not to confuse pressure faces with clay films. The former are common in soils with high clay content (Vertisols; shrink–swell clay such as smectite is best), and seasonal wetting and drying. Pressure faces arise when swelling pushes structural aggregates together and makes their sides smooth and, in places, reflective. At

times these are difficult to differentiate from clay films, but some clay films can also be partly pressure faces. Slickensides are produced in the same manner, but are better developed, being polished and striated, and usually at >50 cm depth. Where slickensides are prominent, they are extensive and oriented at 20–30° from the horizontal to form wedges (Ahmad, 1983). If the shrinking and swelling that produce slickensides are extensive enough, wide and deep ground cracks will form during the dry season.

Examples of Clay-Film Descriptions:

3d po—many distinct clay films in pores.
2f pf and po—common faint clay films on peds and in pores.
3p pf, 2f po—many prominent clay films on ped faces, common faint clay films in pores.

It is important to record clay films because their presence is strong evidence for pedogenically illuviated clay. However, be warned that in places clay films can be original depositional (parent material) features. Waters charged with fine sediment that infiltrate a flood plain can produce clay films at depth (Walker and others, 1978), as can similar waters infiltrating till at the base of a glacier. If these latter parent-material films are present below the main soil-forming zone, their color will be closer to that of the parent material than to that of the soil.

Horizon Boundaries

Describe the lower boundary of each horizon, indicating distinctness and general topography.

Distinctness:

a—abrupt. Transition is less than 2 cm.
c—clear. Transition is 2–5 cm thick.
g—gradual. Transition is 5–15 cm thick.
d—diffuse. Transition is more than 15 cm thick.

Topography: Topography refers to the nature of the surface that separates the horizons. The modifiers sl (slightly) and v (very) may be used in combination with the following abbreviations.

s—smooth. Boundary is planar or parallel to the geomorphic surface.
w—wavy. Undulating surface with pockets wider than they are deep.
i—irregular. If pockets are deeper than their width.
b—broken. If one or both of the horizons separated by the boundary are discontinuous, so that boundary is interrupted.

Stages of Carbonate Morphology

Describe the stage of morphology (Fig. A1.5, Tables A1.5 and A1.6). In some places, there may not be stage II morphology in a sequence of nongravelly soils; rather, filaments of stage I become so common that the horizon meets the approximate percentage requirements for stage II. Holliday (1982) suggests that these latter occurrences be termed IIf to indicate their filamentous morphology.

I want to inject a word of caution on the recognition of carbonate morphological stages. In places, carbonate can be deposited on vertical faces by laterally seeping waters and thereby mask the pedogenic carbonate morphology (Lattman, 1973). In addition, M.N. Machette and R.E. Anderson (personal communication, 1991) have observed strong lateral (on contour) variations in carbonate morphology and accumulation along natural arroyos in arid parts of the eastern Great Basin. Hence, to study the morphology of pedogenic carbonate and avoid surficial cementation, one may have to dig back a meter or more.

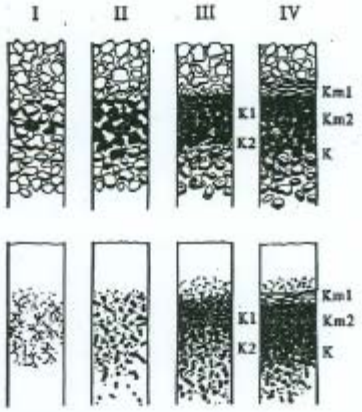


Figure A1.5 Sketch of carbonate buildup stages (I, II, III, IV) for gravelley (top) and nongravelley (bottom) parent materials. Machette (1985) added two more stages beyond stage IV (Table A1.5). In general, the stage morphologies merge to a common form at about stage III. *(Redrawn and modified from Gile and others, 1966, © 1966, The Williams & Wilkins Co., Baltimore.)*

Table A1.5 Stages of Carbonate Morphology

Stage	Gravelly Parent Material	Nongravelly Parent Material
I	Thin discontinuous clast coatings; some filaments; matrix can be calcareous next to stones; about 4% $CaCO_3$	Few filaments or coatings on sand grains; <10% $CaCO_3$
I+	Many or all clast coatings are thin and continuous	Filaments are common
II	Continuous clast coatings; local cementation of few to several clasts; matrix is loose and calcareous enough to give somewhat whitened appearance	Few to common nodules; matrix between nodules is slightly whitened by carbonate (15–50% by area), and the latter occurs in veinlets and as filaments; some matrix can be noncalcareous; about 10–15% $CaCO_3$ in whole sample, 15–75% in nodules
II+	Same as stage II, except carbonate in matrix is more pervasive	Common nodules; 50–90% of matrix is whitened; about 15% $CaCO_3$ in whole sample
Continuity of fabric high in carbonate		
III	Horizon has 50–90% K fabric with carbonate forming an essentially continuous medium; color mostly white; carbonate-rich layers more common in upper part; about 20–25% $CaCO_3$	Many nodules, and carbonate coats so many grains that over 90% of horizon is white; carbonate-rich layers more common in upper part; about 20% $CaCO_3$
III+	Most clasts have thick carbonate coats; matrix particles continuously coated with carbonate or pores plugged by carbonate; cementation more or less continuous; >40% $CaCO_3$	Most grains coated with carbonate; most pores plugged; >40% $CaCO_3$
Partly or entirely cemented		
IV	Upper part of K horizon is nearly pure cemented carbonate (75–90% $CaCO_3$) and has a weak platy structure due to the weakly expressed laminar depositional layers of carbonate; the rest of the horizon is plugged with carbonate (50–75% $CaCO_3$)	
V	Laminar layer and platy structure are strongly expressed; incipient brecciation and pisolith (thin, multiple layers of carbonate surrounding particles) formation	
VI	Brecciation and recementation, as well as pisoliths, are common	

Taken from Gile and others (1981) and Machette (1985), with further modification by R.R. Shroba (written communication, 1982).

Carbonate Effervescence

If dilute HCl (use a 1:10 ratio of concentrated HCl:water) is added to a soil containing $CaCO_3$, it will effervesce. The classes of effervescence are generally related to the amount of carbonate as well as to particle size (more rapid with smaller size) and mineralogy (slight with dolomite). Four classes are recognized:

Very slightly effervescent—few bubbles seen.
Slightly effervescent—bubbles readily seen.
Strongly effervescent—bubbles form low foam.
Violently effervescent—thick foam forms quickly.

For most geomorphic purposes, carbonate morphology stage is more useful than the classification of effervescence.

Salts and Silica Development

Pedogenic gypsum and silica have developmental stages that are similar to the stages of carbonate morphology (Table A1.7). One could devise a similar scheme for halite or any other accumulation of interest.

Cementation

Cementation refers to the brittle, hard consistence caused by some cementing agent, such as silica or $CaCO_3$, which, unlike clay, does not deform under pressure.

cw—weakly cemented. Mass is brittle and hard, but can be broken in hands.

APPENDIX L
DESCRIPTION OF SOIL MORPHOLOGY FROM C&T SITES

Table L.1. Summary of soil morphology for White Rock land transfer parcel soil profiles for geomorphic mapping units (described by Paul Drakos and Steven Reneau, May 2002).

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Preliminary Age Estimate	Notes
Location 3a, West gully wall, northwest side of Parcel														
A	0-6	5	10YR 5/3	10YR 4/3	sl	m	lo	so, po	no	none		as	< 2 ka	vfs
Bw	6-29	<5	10YR 5/3	10YR 4/2	sl	2msbk	so	ss, ps	no	none		as		fs + scattered cs
Bk	29-48	<2	7.5YR 6/3	7.5YR 4/3	sl	2msbk	sh-h	ss, ps	no	ev	1	gs	mid-to-late Holocene (≤ 5 ka)	CaCO3 filaments; fs-vfs
BC	48-59	<2	10YR 5/3	10YR 4/3	sl	1msbk	so	so, po	no	es		cs		fs
Bk1b1	59-67	<2	7.5YR 5/3	7.5YR 4/3	sl	2fabk	h	ss, ps	1npo	es	1-	cs	latest Pleistocene or early Holocene (<10-15 ka)	fs
Bk2b1	67-83	<2	7.5YR 5/3	7.5YR 4/3	sl	2m-csbk	sh-h	ss, ps	1npo	es-ev	1	cs		
Bw1b1	83-102	<2	7.5YR 5/3	7.5YR 4/3	sl	2msbk	sh-h	ss, ps	no	none		gs		some prismatic to sbk structure
Bw2b1	102-148	<2	7.5YR 5/3	7.5YR 4/2	sl	2msbk	sh	so, ps	no	none		cs		
BCb1	148-173	<2	7.5YR 5/3	7.5YR 3/3	ls	1msbk	so	so, po	no	none		as		
Bwb2	173-185+	10-20	7.5YR 6/4	7.5YR 5/4	sl	2msbk	sh	ss, ps	1npo	none		-	<15-20 ka	scattered tuff cobbles
Location 6, North gully wall, north-central Parcel														
AC	0-27	<5	10YR 4/3	10YR 3/3	sl	1msbk	so-sh	ss, ps	no	none		aw	<1 ka (historic?)	fs + cs; slopewash

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Preliminary Age Estimate	Notes
														colluvium
Bkb1	27-61	<2	10YR 5/3	10YR 4/3	sl	2msbk	sh-h	ss, ps	no	es-ev	1	cs	middle-early Holocene	CaCO3 filaments; vfs + minor cs
Btb1	61-84	<2	7.5YR 5/3	7.5YR 4/3	scl	2pr to 2msbk	h	ss, p	1-2npobr	none		cs		vfs + minor cs; presumed late Pleistocene
Bwb1	84-122	<5	10YR 5/3	10YR 4/3	sl	2msbk	sh	so, po	no	none		as		fs + cs; slopewash colluvium
Btb2	122-177	10	7.5YR 6/4	6.75YR 4/4	scl	2-3m-csbk	h	p, s	n-mk co po br	e-		as	> 50-60 ka	discontinuous CaCO3 on ped faces; very slight effervescence; includes tuff cobbles to small boulders and scattered rounded dacite; common cs; possibly bioturbated

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Preliminary Age Estimate	Notes
														alluvium
Bkb2	177-192+	50	7.5YR 7/2	7.5YR 6/4	sl	3fsbk	h	ss, ps	no	ev	2+	-		tuff clasts
Location 9, South gully wall, south side parcel, below power line, next to step in basalt														
A	0-9	<2	7.5YR 4/3	7.5YR 3/3	sl	1-2msbk	so-sh	ss, ps	no	none		cs	< 5 ka (< 2 ka?)	fs-vfs
Bw	9-29	<2	7.5YR 5/4	7.5YR 4/3	sil	2mpr to 2msbk	sh	ss, ps	no	none		cs		fs-vfs
BC	29-50	<5	10YR 5/3	10YR 4/3	sl	1msbk	lo-so	so-ss, ps	no	none		as		vfs; scattered fine Qec pumice
Bk1b1	50-71	<2	7.5YR 5/3	7.5YR 4/3	sl	2msbk	sh	ss, ps	no	es	1	vaw	mid (or early?) Holocene?	CaCO3 filaments; vfs
Bk2b1	71-104	<2	10YR 5/3	10YR 3/4	sl	2msbk	so	ss, ps	no	es	1-	as		fewer filaments than above, rare Qec pumice, 71-81 cm bioturbated; vfs-fs with scattered ms and cs
Btkb2	104-126	<5	7.5YR 6/3	7.5YR 5/4	scl	3f-mabk	h	s, p	3mkbrpopf	es-ev	1	vai	100-200ka	5YR 5/4 ped interior;

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Preliminary Age Estimate	Notes
														"big orange", CaCO3 on ped faces
R	126+													basalt boulders
Location 15, North facing gully wall at Bison antiquus bone site														
AC	0-6	<2	7.5YR3/3	7.5YR2.5/3	sicl	m	lo	s,p	no	non	-	cs	historic	possible recent local slopewash
ABwb1	6-17	<2	7.5YR4/3	7.5YR3/2	sicl	sfsbk	sh	ss,ps	no	non	-	cs	50-100 ka	correlative to pre-El Cajete soil?
Btb1	17-30	<2	7.5YR4/3	7.5YR3/2	sicl	2-3msbk	sh-h	s,ps	1nbrpopf	non	-	cs		bone horizon, est age 50-100 ka
Btkb1 or b2?	30-55	<2	7.5YR5/3	7.5YR4/3	sicl	2-3msbk	sh-h	s,p	2nbrpfpo	ev	I+	gs	100-200 ka?	abrupt increase in carbonate suggests second buried soil?
BCb1 or b2?	55-71	<2	10YR5/4	10YR4/4	l	1-2msbk	so, sh-h	ss,ps	no	e	-	gs		abundant cicada burrows, sh-h, main structure soft dry consistence
Coxb1 or	71-88+	<2	10YR5/4	10YR4/4	ls	1msbk	so-	so,p	no	es	-			fewer

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Preliminary Age Estimate	Notes
b2?							lo	o						cicada burrows
Location 15a, Flat surface 6 m south of gully near bison bone locale, south-central Parcel														
AC	0-6	<2	7.5YR 5/4	7.5YR 4/3	sl	1mgr	lo-so	ss, ps	no	none		cs	<1 ka (historic?)	fs-cs; young slopewash colluvium
Ab1	6-17	<2	7.5YR 4/3	7.5YR 3/3	scl	1fsbk-2mgr	sh	s, ps	no	none		cs	> 50-60 ka (100-200 ka?)	vfs
Btb1	17-37	<2	7.5YR 5/4	7.5YR 4/3	sicl	3msbk	h	s, p	2mkpobrpf	none		cs		
Btkb1	37-50+	<2	7.5YR 5/4	7.5YR 4/3	sicl	3f-msbk	h	s, p	2npobr	es-ev	1+	-		
Location 15b, South gully wall, 5 m west of bison bone locale, south-central Parcel														
AC	0-9	10-20	10YR 6/3	7.5YR 4/4	ls	1f-mpl	so-lo	so, po	no	e-		vas	ca. 50-60 ka	Qec pumice + fines (fs)
Ab1	9-22	<2	7.5YR 4/3	7.5YR 3/3	scl	2f-msbk	sh-h	s,p	vnpobr	none		cs	> 50-60 ka	very few thin bridges and pore fillings
Bk1b1	22-52	<2	7.5YR 5/3	7.5YR 4/3	sl	2msbk	h	ss, ps	no	es-ev	1+	as		filaments and coatings on ped faces
Bk2b1	52-104	<2	7.5YR 5/3	7.5YR 4/3	scl	2msbk	sh-h	ss, ps	vnpobr	es-ev	1-	vas		few CaCO3 coatings on ped faces; vfs, eolian?
Btkb2	104-114+	<5	7.5YR 8/2	7.5YR 5/4	sl	3m-cabk	vh	so, ps	2n-mkbrpo	ev	3-	-	> 100 ka	7.5YR 6/6 mottles, clay films remnant

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Preliminary Age Estimate	Notes
														from Bt horizon, largely impregnated with CaCO3
Location 18, Colluvial Slope, South Side Bandelier Tuff Mesa														
A	0-10	5-10	7.5YR 5/3	7.5YR 4/3	ls	1mgr	lo-so	so, po	no	none		cs	< 1 ka (post-Puebloan?)	loose fs-cs + granules; colluvial slopewash
Bw1	10-33	<5	7.5YR 5/3	7.5YR 4/3	ls	1-2msbk	so-sh	so, po	no	none		cs		fs + ms-cs
Bw2	33-50	5	7.5YR 5/3	7.5YR 4/3	ls	1msbk	so-sh	so, ps	no	es		cs		fs with minor ms + granules; no CaCO3 filaments
Bk (Bkb1?)	50-77	5-10	7.5YR 6/3	7.5YR 4/3	ls	2msbk	sh	so, ps	no	es	1-	as	mid-late Holocene	few filaments, thin discontinuous coatings on pebbles; fs + scattered minor Qec pumice clasts

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Preliminary Age Estimate	Notes
Btkb2	77-103+	20	6.75YR 6/4	6.75 YR 5/6	scl	3f-msbk	h	s, p	2npobr	ev	1+	-	> 50-60 ka	6.75YR 6/6 in peds; 6.75 YR ped faces; continuous CaCO3 coatings on ped faces, filaments within peds; tuff cobbles
Location 21A, Mesa Top														
A	0-9	<2	7.5YR 5/3	7.5YR 3/3	ls	1msbk	lo-so	so, po	no	none		as	<1 ka	loose vfs + organic matter
Bw	9-17	<2	7.5YR 5/3	7.5YR 4/2	sl	2msbk	sh	so, ps	no	none		as		vfs + minor cs
Bk (Bkb1?)	17-43	10	7.5YR 5/3	7.5YR 4/3	sl	2msbk	so	ss, ps	no	es	1-	as	<4-6 ka	few filaments, discontinuous coatings on clasts; fs + ms-cs + tuff granules and small clasts
R	43+											-		tuff
Fence Canyon Borrow Pit, ca. 4000 ^{14}C BP Soil Profile (reference site)														
A	0-23	5-10	7.5YR 5/3	7.5YR 3/3	ls	1msbk to pl	so	so, po	no	none		cs	ca. 4 ka surface	

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Preliminary Age Estimate	Notes
Bw	23-35	5-10	7.5YR 5/4	7.5YR 4/4	sl	2msbk	so-sh	so, po	no	none		as	(mid-Holocene); ca. 8 ka at depth (early Holocene)	
Bk1	35-69	5-10	7.5YR 6/3	7.5YR 5/4	sl	2csbk to 2msbk	sh	ss, ps	no	es-ev	1	cs		CaCO3 filaments and discontinuous coatings on clasts
Bk2	69-125	5-10	7.5YR 6/4-5/4	7.5YR 4/4	sl	1msbk	so	so, ps	no	es	1-	cw		very sparse CaCO3 filaments
BC	125-169	10-20	7.5YR 6/4-5/4	7.5YR 4/4	ls	1m-csbk	so	so, po	no	e		as		rare filaments and discontinuous clast coatings
C	169+	5	7.5YR 5/4	7.5YR 4/4	s	sg	lo	so, po	no	none		-		sand lens, loose ms-cs

Table L.2. Summary of soil morphology for White Rock land transfer parcel for geomorphic mapping units (described by Paul Drakos and Steven Reneau, May 2002): preliminary descriptions.

Depth (cm)	Horizon	Structure	Preliminary Age Estimate	Notes
Location 14, South gully wall, east of Location 15, confluence of gullies, south-central Parcel				
0-10	A		<1 ka (historic?)	loose fs, minor ms, young Qc or eroded top of old soil profile, reddish
10-17	Bt1b1	2f-msbk	>50-60 ka? (>30 ka?)	slightly grayish: some translocated clay; weak Bt; inferred pre-Qec soil, but not certain
17-30	Bt2b1	2-3msbk		abundant clay films
30-55	Bk1b1			few thin clay films; CaCO3 filaments; Stage 1; less developed Bk than Location 15
55-76	Ab2	2msbk	100-200 ka	grayish, buried A horizon
76-100	Bwb2	2msbk		
100-114+	Btb2	3fsbk		abundant clay films, moderate to thick, orange soil; presumed correlative with Bkb2 @ Location 15
Location 1, West of Bandelier Tuff mesa, thin Qc over Qec				
0-4	A		< 2 ka	loose vfs-ms + organics; pine needles @ surface
4-14	Bw1	1-2msbk		vfs + pumice
14-27	Bw2	1msbk		vfs + pumice; softer peds
27-40	C			loose fs + Qec pumice
40+	Cb1		50-60 ka	Qec pumice
Location 1A, West of Bandelier Tuff mesa, 5 m down gully from Location 1				
0-25	ABw		<2 ka (historic?)	top eroded; bioturbated pumice + fs; see Location 1 for subdivisions of Holocene
25-72	Cb1		50-60 ka	Qec pumice
72-88	Ab2		>50-60 ka (100-200 ka?)	vfs, well-sorted, eolian?; no soil structure; no organics
88-100+	Btb2	3msbk		reddened, moderate to thick clay films on ped faces and bridging grains
Location 2, Northwest of Bandelier Tuff mesa, down gully from Location 1				
0-60			?	tuff boulders to 25+ cm, sub-angular to sub-rounded; basal colluvial (?) layer
60-155				fine-grained pumice, coarse to very coarse sand to granule size, scattered larger Qbt pumice; Qbtt? (sample SLR-02-3)
Location 3b, Surface above east gully wall, northwest side Parcel				

Depth (cm)	Horizon	Structure	Preliminary Age Estimate	Notes
0-14	AC		< 500 yrs (historic?)	loose fs; slightly darkened
14-42	Ab1	2msbk	< 2-4 ka?	fs, darkened, buried A horizon
42-55	Bwb1	2f-msbk		minor CaCO3
55-70+	Btkb2	2-3msbk	>50-60 ka (100-200 ka?)	stage 1 CaCO3, filaments on ped faces; moderately thick clay films; fs
Location 3c, East gully wall 3 m west of Location 3b, 7 m east of Location 3a, eroded bank, northwest side Parcel				
0-5	A	pl	historic	darkened fs-vfs
5-12	Bkb1	2fabk	4-6 ka	darkened horizon with stage 1 CaCO3
12-37	Btkb1	2-3fsbk	20-40 ka?	stage 1 CaCO3; thin to moderate clay films, bridges between grains
37-52	Bt1b1	2msbk		thin clay films, bridges between grains (like overlying horizon, without CaCO3)
52-60	Bt2b1	1msbk		weak Bt
60-93	Ab2	2m-csbk	< 50 ka?	darkened horizon; thin clay films
93-112	Cox?b2	1msbk		fs
112+	Btb3	2-3msbk	100-200 ka?	abundant moderate to thick clay films, bridging grains, coating ped faces, very orange ("big orange")
Location 19, Site of active fan deposition, southwest side Parcel				
0-8	A		2-4 ka?	loose fs-vfs + minor organics
8-30	Bwt1	2pr to 2-3msbk		slightly reddish; some thin bridges and pore fillings (1nkpo: few very thin); vfs + scattered cs; slopewash colluvium
30-59	Bwt2	2m-csbk		slightly reddened, thin bridges, clay films mainly pore fillings; fs + scattered cs + vcs + granules
59-85	Ab1	1-2msbk	4-8 ka?	fs-vfs
85-100	Bkb1	2msbk		stage 1- CaCO3
Location 20, Outside area of active fan deposition, southwest side Parcel				
0-5	A		Late Pleistocene-Early Holocene?	loose fs + scattered granules + organic matter
5-26	Bt1	2mabk		thin bridges + pore fillings; hard; fs
26-44	Bt2	2-3msbk		very thin pore fillings; fs; basalt clast
44-68	Bk	2msbk		weak Bk, stage 1 CaCO3
68-86+	BCk	1mgr		loose, fs + fine pebbles
Location 4a, 10 m North of Location 4 Active Fan Below Gullies, Southwest Side Parcel				

Depth (cm)	Horizon	Structure	Preliminary Age Estimate	Notes
0-22	C		historic	stratified pumice + fines
22-33	Ab1	1msbk	late Holocene	fs; weak buried A horizon
33-44	Bwb1	pr to 2msbk		
44-73	Coxb1	1fsbk to sg		partially loose fine sand; eolian or fine-grained slopewash?
73-103	Bwb2	2msbk	mid-late Holocene?	fs-vfs
103+	Btb3		100-200 ka?	"big orange"; 0-103 cm is Holocene, possibly late Holocene
Location 4b, ~30 m north of Location 4a, south edge sagebrush, active fan below gullies, southwest side Parcel				
0-57	C1		late Holocene/historic?	stratified pumice and fines, fs+ms
57-78	C2			loose vfs
78-92	Bw1	2msbk	late Holocene	
Location 8a, North gully wall, 10 m east of Location 8, north-central Parcel				
0-9	A	1msbk	mid-Late Holocene	fs-vfs; distal slopewash
9-29	Bw	2msbk		vfs; minor CaCO3
29-49	Bk			stage 1- CaCO3; vfs
49+	Btb1		100-200 ka?	"big orange", above CaCO3, above basalt
Location 17, colluvial slope near LA-128805, southeast side Bandelier Tuff mesa				
0-10	A		late Holocene	loose fs + ms-cs, colluvial slopewash
10-25	Bw1	2msbk		vfs-cs; colluvium
25-42	Bw2	1msbk		vfs + ms-cs
42-72	C			fs + abundant fine Qec pumice
72-94+	Btkb1		100-200 ka?	good stage 1 CaCO3, filaments and coatings on ped faces; 2nbrpo clay films, thin; hard; orangeish, coarse sand ("big orange"?)
Location 21, Shallow soil over tuff, mesa top				
0-8	A		late Holocene	loose vfs + organic matter
8-13	Bw1	2fsbk		vfs
13-24	Bw2	2msbk		vfs; late Holocene slopewash ± eolian; finer texture than lower Qc slopes
24+	R			tuff
Location 11, South gully wall, south side Parcel, below power line, east of Location 9 and 10				
0-19	A	1msbk	late Holocene	fs-vfs, scattered granules

Depth (cm)	Horizon	Structure	Preliminary Age Estimate	Notes
19-30	Bw	1-2msbk		fs-vfs, scattered granules
30-61	Btb1	2fpr	late Pleistocene?	clay films (many) 3nbrpopf; vfs with scattered cs; presumed Pleistocene deposit
61-90	BCb1	1msbk		vfs
90-109	Btkb2	2msbk		stage 1- CaCO3, filaments, 1-2npobr clay films; vfs
109+	R			basalt cobbles
Location 10a, South gully wall, south side Parcel, below power line, east of Location 9				
0-8	A	1-2fgr	late Holocene	fs-vfs + organics
8-22	Bwk	2f-mabk		minor CaCO3, stage 1- (or Bw with minor CaCO3)
22-43	Bk1b1		late Pleistocene-early Holocene	stage 1 CaCO3, abundant filaments, vfs, 2npr
43-61	Bk2b1	2fpr to 2msbk		stage 1- CaCO3; vfs with minor ms; no clay films
61-92	Bw1b1 (Bwb2?)			vfs
92-121	Bw2b1	2m-csbk		fs + cs; mangans in peds (few)
121-140+	Bwb2	1-2msbk	Pleistocene (50-60 ka?)	vfs; fine Qec pumice (late-Pleistocene at base?)
Location 22, Colluvial slope near power station, east Parcel				
0-10	A		late Holocene	loose vfs
10-24	Bw1	2mgr		vfs + granules
24-43	Bw2	2msbk		vfs + scattered ms with some tuff clasts
43-65	BC	1msbk		vfs with some tuff clasts
65-110+	C			vfs; thick late Holocene slopewash deposit

Table L.3. Summary of soil morphology at White Rock tract cultural sites (described by Paul Drakos and Steven Reneau).

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate	Notes
LA- 12587, White Rock Land Transfer Parcel, Area 2, 121-122N, 104E, inside room? (room 4), north of alignment (Feb 18, 2003)													**12587-1**		
AC	0-8	5	10YR4/4	10YR3/4	sl	m	lo	ss,ps	n.o.	none	-	cs		<500 yrs?	
Bw	8-22	10	10YR4/4	10YR3/4	sl	2fsbk	so	ss,ps	n.o.	es	-	aw			
R	22+														tuff rubble with remnant old soil
LA- 12587, White Rock Land Transfer Parcel, Area 2, 119-120N, 104E, between rock alignments, agricultural? architectural? (Feb. 18, 2003)													**12587-2**		
A	0-15	5-10	10YR4/4	10YR3/4	sl	1msbk	so	ss,ps	n.o.	e	-	cs		<500 yrs?	post-rock pile layer
Bw	15-31	10-20	10YR4/4	10YR3/4	sl	1-2msbk	so	ss,ps	n.o.	es	-	ai		< 700-800 yrs	layer filling old room block
R (?)	31+														tuff rubble
LA- 12587, Area 2, rock piles + rock alignments, near 117N, 104E, 30 cm south (Feb. 10, 2003)													**12587-3**		
A	0-9	5	10YR4/4	10YR3/4	ls	1-2msbk	so	so,po	n.o.	none	-	cs		<500 yrs?	post- rock pile ("post occupation 3"), well sorted fs-vfs
Bw	9-29	10-20	10YR4/4	10YR3/4	sl	1msbk	so-lo	so,po	n.o.	es	-	ai		< 700-800 yrs	shards to base, beneath rock piles
R	29+														
LA-12587, White Rock Land Transfer Parcel, rock alignments?, 115N, 103E, inside grid to north (Jan. 10, 2003)													**12587-4**		**Aspect: flat mesa**

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate	Notes
A	0-7	5-10		7.5YR 3/3	scl	1fsbk	so-lo	svs,pvs (ss,po)	n.o.	none	-	cs		< 700-800 yrs	soil described moist; weak structure difficult to discern
Bw? C?	7-30	10-20		7.5YR 3/4	scl	1msbk? m?	lo	ss,ps	n.o.	es	-	cs			
R	30-36														weathered tuff
R	36+														less weathered tuff
LA-12587, White Rock Land Transfer Parcel, rock alignments?, 113N, 103E, Outside Grid (Jan. 10, 2003)													**12587-5**		**Aspect: flat mesa**
C	0-3	5-10	10YR4/3	10YR3/3	ls	m	lo	so,po	n.o.	none	-	as		< 100 yrs	young slopewash layer
Ab1	3-8	5		7.5YR 3/2	scl	m?	lo	ss,ps	n.o.	none	-	cs		< 700-800 yrs	thin buried soil
Bwb1? Cb1?	8-21	5		7.5YR 3/3	scl	1msbk? m?	lo	ss,ps	n.o.	none	-	ai			soil described moist; weak structure difficult to discern
R	21+														Qbt
LA-12587, White Rock Land Transfer Parcel, N. wall of excavation grid, 17m E of room block, Qbt emerges 3m to E, 106N, 130E (Jan. 22, 2003)													**12587-6**		**Aspect: E sloping top of mesa**
A	0-3	30-40	10YR4/4	10YR3/4	scl	2mpl	so-sh	ss,ps	n.o.	none	-	cs		< 700-800 yrs	contains artifacts; scattered tuff clasts on surface
Bw	3-12	20-30	10YR4/4	10YR3/4	scl	1f-msbk	so-sh	ss,ps	n.o.	none	-	aw			some cicada burrows are sh; artifacts to base
Btkb1	12-19	50	(5YR4/4)	5YR4/4	cl	1f sbk	so	s,p	3ncopobr	e	I	ai		100-200k (middle to late	100-200k eroded soil?

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate	Notes
														Pleistocene)	
R	19+														Qbt
LA-12587a, White Rock Land Transfer Parcel, N wall of excavation grid, 105N, 109E (July 12, 2002)													**12587-7**		**Aspect: flat mesa**
ABw	0-28	5-10	8.75Y R 5/4	8.75Y R 4/2	sl	1msbk	so	ss-ps	n.o.	es	-	cs		< 800 yrs	no CaCO3 filaments
Bw	28-41	5-10	8.75Y R 5/3	8.75Y R 4/2	sl	1msbk-m	so-lo	ss,ps	n.o.	es	-	cs			
Btkb1	41+													middle to late Pleisto-cene	
LA-12587b, White Rock Land Transfer Parcel, S wall of excavation grid, 104N, 104E, next to grinding slicks (August 9, 2002)													**12587-8**		**Aspect: flat mesa**
AC	0-3	5-10	10YR4 /3	10YR3 /3	ls	1mgr-lo	so-lo	so,po	n.o.	no ne	-	as		< 100 yrs?	vfs + pine needles, eolian
Bw	3-18	5	7.5YR 4/3	7.5YR 3/3	sl	2f-msbk	so	ss, ps	n.o.	e-	-	cs		< 800 yrs	scattered tuff blocks
C	18-30	30	7.5YR 4/3	7.5YR 3/3	sl	m	lo	so,ps	n.o.	es	-	as			
R	30+														Qbt w/grinding slicks
LA-12587, White Rock Land Transfer Parcel, sheet trash deposits, 101N, 122-125E, (Jan. 10, 2003)													**12587-9**		**Aspect: flat mesa**
A	0-15	10	10YR4 /4	10YR3 /3	sl	1-2msbk	so	so,ps	n.o.	es	1	gs		< 800 yrs	sherd in gravel, thin discontinuous pebble coatings
Bwk	15-30	40	10YR4 /4	10YR4 /3	sl	1msbk-m	so-lo	so,ps	n.o.	es	1	ai			dacite + sherds in gravel, cobble size tuff

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate	Notes
Btkb1	30-42	20-30	7.5YR 4/6	7.5YR 4/6	sc	1-2msbk	so	s,p	lnpobr	es-a	1	ai		late Pleistocene	pockets of disrupted buried soil, sampled for clay analysis
R	42+													-	tuff
LA-12587, White Rock Land Transfer Parcel, 96N, 103E, N wall of excavation grid (Jan. 10, 2003)													**12587-10**		**Aspect: flat mesa**
A	0-5	10	10YR4/4	10YR3/3	ls	2msbk	so-sh	so,po	n.o.	none	-	gs		< 700 yrs?	litter at surface, next to piñon
Bw1	5-10	10-20	7.5YR 4/3	7.5YR 3/3	scl	2 f-msbk	sh	ss,ps	n.o.	e	-	gs			artifacts in gravel
Bw2	10-20	10-20	10YR5/4	10YR4/3	scl	1msbk	so	ss,ps	n.o.	e-es	-	cs			artifacts, Bwk?
Bwk1 (ash + mortar)	20-26	5-10	10YR6/4	10YR4/4	scl	1msbk	so	ss,ps	n.o.	es	-	cs			finer sand than Bw2 (ashy)
IIBwk2	26-40	50	7.5YR 5/4	7.5YR 4/4	scl	1fsbk	so	ss,p	n.o.	es-ev	-	ai		700-800 yrs?	artifacts, construction rubble?, thin clay films in chunks of reworked soil
IIIBtkb1	40-48		5YR5/4	5YR4/4	sc	2-3msbk	sh-h	s,p	2ncobr	es	1	as		middle to late Pleisto-cene	100-200k eroded soil?
R	48+													-	tuff
LA - 12587, White Rock Land Transfer Parcel, Room 17, gently south-sloping mesa top, 74N, 97E (Feb. 10, 2003)													**12587-11**		
A	0-3	10	10YR4/4	10YR3/3	ls	1mgr	so-lo	so,po	n.o.	e	-	cs		< 700 yrs?	slightly effervescent

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate	Notes
Bw1	3-23	10	10YR4/4	10YR3/4	sl	1msbk	so-lo	ss,ps	n.o.	e	-	c w			lower 9 cm adjacent to large juniper root, 60 cm from profile = quartzite pebble in horizon, 12 cm deep
Bw2 (Bwb1?)	23-33	20	10YR4/4	10YR3/4	sl	2msbk	so-sh	ss,ps	n.o.	es	-	ai		700-800 yrs?	equivalent, Bw1- Bw2 boundary, may represent age break in past Pueblo units; blocks appear to be set on Bw2
Btkb1 (Btkb2?)	33-44	40	7.5YR 4/3	7.5YR 3/4	sc	2-3fsbk	sh-h	s,p	3ncobr popf	ev	I	ai		late Pleisto-cene	thin discontinuous CaCO3 coatings on clasts, broken tuff
R	44+														Qbt
LA-12587, White Rock Land Transfer Parcel, Area 5, Room 18. Near 72N, 98E (Feb.18, 2003)													**12587-12**		
AC	0-7	10	10YR4/4	10YR3/4	sl	m	lo	ss,ps	n.o.	e	-	cs		< 700 yrs?	top stripped, roots on top of exposure
Bw1	7-19	10	10YR4/4	10YR3/4	sl	1msbk	so-lo	ss,ps	n.o.	es	-	cs			19cm = approx. floor level
Bw2	19-32	40	10YR4/4	10YR3/4	sil	1msbk	so	ss,ps	n.o.	es	-	ai		700-800 yrs?	lower 5 cm with abundant tuff
R	32+														tuff (rubble or bedrock)
LA-12587, White Rock Land Transfer Parcel, Area 8, Test Pit # 4, 51N, 118E (Dec. 9, 2002); inside main artifact scatter													**12587-13**		**Aspect: flat mesa**
A	0-9	20-30	10YR4/4	10YR4/3	sl	1 msbk-m	so-lo	so,po	n.o.	e-	-	cs		Post-Puebloan; possibly <	gravel nodules, angular, basalt

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate	Notes
BC	9-28	10-20	10YR4/4	10YR4/3	scl	1 msbk	so	ss,ps	n.o.	es	-	ai		several 100 yrs.	young colluvium w/ ceramics + lithics to base
R	28+													-	tuff
LA-12587, White Rock Land Transfer Parcel, Area 8, Test Pit #2, 36N 103E (Dec. 9, 2002); outside main artifact scatter													**12587-14**		**Aspect: flat mesa**
A	0-2	30	10YR4/3	10YR3/3	scl	1-2 mpl	so	ss,ps	n.o.	es	-	cs		Post-Puebloan; possibly < several 100 yrs.	young colluvium
C	2-20	30	10YR4/3	10YR3/3	sl	m	lo	so,po	n.o.	es	-	aw			young colluvium
R	20+														tuff
LA- 86637,White Rock Land Transfer Parcel, artifact scatter on colluvial slope, Coalition Period, Test Pit #1, 108N, 137E (January 29, 2003)													**86637-1**		
AC	0-6	10	10YR6/3	10YR4/3	ls	1m pl	so	so,po	n.o.	es-ev	-	cs		< 100 yrs	young colluvium, post-lab?
Bw1b1	6-15	10	8.5YR 5/3	10YR4/3	sl	1msbk	so-lo	so,po	n.o.	es-ev	-	gs		< 800 yrs	ceramics and lithics scattered throughout AC, Bw1b1, and Bw2b1 horizons
Bw2b1	15-43	20	7.5YR 6/3	7.5YR 4/3	sl	1msbk	so-lo	so,ps	n.o.	es	-	ai			contains small chunks of older soil
Btkb2	43-50+	10	5YR6/4	5YR4/4	scl	2-3msbk	so-sh	ss,ps	1-2nbrpo	es	I+	-		middle to late Pleisto-cene	abundant filaments; 100-200k soil
LA-86637, White Rock Land Transfer Parcel, Test Pit #2, 103N, 79E (January 29, 2003)													**86637-2**		ceramics 0-10 cm, lithics to 30 cm
AC	0-10	5-	10YR5	10YR4	ls	m	lo	so,po	n.o.	es-	-	cs		< 100 yrs	

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate	Notes
		10	/3	/3						ev					
Bk1b1 (Bwklb1)	10-31	10-20	7.5YR 5/3	7.5YR 4/3	sl	1msbk	so-sh	ss,ps	n.o.	es-ev	I-	gs		< 5 ka (2-5 ka?)	cicada burrows, sh-h w/discontinuous CaCO3 coatings
Bk2b1 (Bwk2b1)	31-46	10-20	7.5YR 5/3	7.5YR 4/3	sl	1-2msbk	so-sh	so,po	n.o.	es-ev	I-	ci			cicada burrows, discontinuous CaCO3 coatings on burrows & gravel
Bkb2	46-50	<10	7.5YR 6/4	7.5YR 6/4	sl	2msbk	sh	so,po	n.o.	ev	II	-		late Pleisto-cene	CaCO3 filaments, small nodules
LA-127631, White Rock Land Transfer Parcel, "field house", test pit ~ 5M N30E from ruin, 108N, 104E (Nov. 7, 2002)													**12763 1-1**		
A	0-7	<5	7.5YR 5/3	7.5YR 4/3	ls	1msbk	so	so,po	n.o.	no ne	-	cs		< 700-800 yrs	fs-vfs
Bw	7-24	<5	7.5YR 6/3	7.5YR 4/3	ls	1msbk	so	so,po	n.o.	no ne	-	cs			fs
ABtb1	24-35	<2	7.5YR 5/2	7.5YR 4/2	si cl	1-2msbk	so	s,p	2nbr	no ne	-	as		middle to late Pleistocene	
Bt1b1	35-47+		5YR6/3	5YR4/3	si cl	3msbk	sh-h	s,p	3npfpo br	no ne	-				
LA- 127631, White Rock Land Transfer Parcel, "field house", adjacent room block, buried ~ 10 - 19 cm, sitting within Bw horizon (at Bw1-Bw2 horizon boundary, above ABtb1 and Bt1b2 (Nov.7, 2002)															
A	0-12	~5	7.5YR 5/3	7.5YR 4/3	sl	1msbk	so	so,po	n.o.	no ne	-	gs	**1276 31-2**	< 700 yrs	fs-vfs
Bw1	12-19	<5	7.5YR 5/4	7.5YR 4/3	sc l	1-2msbk	so	ss,ps	n.o.	no ne	-				may include chunks of reworked Bt horizon
LA-128803, White Rock Land Transfer Parcel, grid garden, profile #1 above upper (southern) alignment, E wall of excavation grid (Jan. 13, 2003)															**Aspect: E sloping top of mesa**

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate	Notes
AC	0-14	<2		7.5YR 4/3	sl	m	(lo)	so,ps	n.o.	no ne	-	cs	**1288 03-1**	< 500 yrs?	Profile moist when described; slopewash upslope of rock alignment
C	14-19	<2		7.5YR 4/3	l	m	(lo)	ss,ps	n.o.	no ne	-	ai			pockets between boulders
R	19+														basalt boulder
LA-128803, White Rock Land Transfer Parcel, grid garden, profile #2, E. wall excavation grid below upper alignment; 13N, 8E (Jan. 13, 2003)													**1288 03-2**		
AC	0-13	<2		7.5YR 4/3	sil	m	(lo)	ss,ps	n.o.	no ne	-	cs		< 500 yrs?	slopewash
C	13-21	<2		7.5YR 4/3	sl	m	(lo)	ss,ps	n.o.	no ne	-	ai			layer above basalt (boulder or bed rock)
R	21+														basalt (boulders?)
LA-128803, White Rock Land Transfer Parcel, grid garden, profile #3, W. wall excavation grid above lower alignment, 14N, 8E (Jan. 13, 2003)													**1288 03-3**		
AC	0-16	<2		7.5YR 4/3	sil	m	(lo)	ss,ps	n.o.	no ne	-	ai		<500 yrs?	slopewash
R	16+														basalt (boulders?)
LA-128803, White Rock Land Transfer Parcel, grid garden, profile #4, N. wall excavation grid (west side), below lower alignment above and between rocks, 15N, 8E (Jan. 13, 2003)															
AC	0-10	10-20		7.5YR 4/3	sil	m	(lo)	ss.ps	n.o.	no ne	-	as	**12880 3-4**	<500 yrs?	
Btb1	10-20	20-40		5YR4/3	si cl	2msbk		s,p	1-2nbrco	no ne	-	ai		middle to late Pleistocene	older soil, between boulders
R	20+														basalt

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate	Notes
LA-128804, check dam, Test Pit #1, 100N, 100E (Jan. 29, 2003)													**12880 4-1**		
C1	0-16	<2	10YR5 /4	10YR4 /3	s	sg	lo	so,po	n.o.	no ne	-	cs		< 100 yrs?	slightly moist bits of reworked CaCO3, ms-cs
C2	16-32	<2	-	10YR4 /4	ls	m	lo	so,po	n.o.	no ne	-	a w			stratified fs, moist; blocks set on top of C2
Bwb1	32-42+	<2	10YR5 /4	10YR4 /3	sl	1msbk	so-lo	so,po	n.o.	no ne	-	-		<1000 yrs	fine-grained alluvium
LA-128805, White Rock Land Transfer Parcel, field house, 1m SE of SE corner of structure, 102N, 106E (Jan.13, 2003)													**12880 5-1**		
A	0-10	5	10YR4 /4	10YR3 /4	sc l	1msbk	so-lo	ss,ps	n.o.	no ne	-	cs		<500 yrs?	post-occupation slopewash
Bwb1	10-40	<2	10YR4 /4	10YR3 /4	sc l	2msbk	sh	ss,ps	n.o.	no ne	-	cs		< 700-800 yrs	pre-occupation slopewash ?
Btkb2	40-47+	<2	7.5YR 4/3	7.5YR 3/3	sc l	2-3msbk	h	ss,ps	2nbrco po	es	I			late Pleistocene	slopewash; $CaCO_3$ filaments

Table L.4. Summary of soil morphology at Airport tract cultural sites (described by Paul Drakos and Steven Reneau).

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
LA-86534, Airport Land Transfer Parcel, E Wall, 108N/103E (July 12, 2002)													**86534 -1**		
A	0-8	<2	7.5YR4/3	7.5YR3/2	ls	1msbk	so	so po	no	none	-	cs		< 750-850 yrs	abundant organics, vfs-si, scattered ms-cs, w/ tuff blocks at surface, possible cumula-tive A horizon
Bw	8-25	<2	7.5YR5/3	7.5YR4/3	sl	2msbk	so - sh	ss ps	no	none	-	as			si +vfs, young
Bt1b1	25-45	<2	5YR4/4	5YR4/3	sic l	2-3fabk	sh	vs vp	3nkbr popf	non	-	as (?)		middle - late Pleisto-cene (100-200ka)	si + clay

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
R	45+														Qbt
LA-86534, Airport Land Transfer Parcel, approx. 3 m N. of NE corner of ruins (August 13, 2002)													**86534 -2**		
Oi	+1-0	<5	10YR4/2	10YR2/2	l	s.g.	lo	so,po	no	non	-	as		<100-200 yrs	60% organic matter (piñon litter), 40% vfs
AC	0-5	<5	10YR4/3	10YR4/3	ls	1fsbk	so	so,po	no	non	-	as			
Bw1b1	5-20	10	7.5YR4/3	7.5YR3/3	l	2m-csbk	sh	ss,ps	no	non	-	cw		< 750-850 yrs	scattered tuff clasts
Bw2b1	20-32	60-70	7.5YR4/3	7.5YR3/3	l	1-2msbk	so	ss,ps	no	non	-	cw			tuff clasts
Btb2	32-47	<2	5YR5/6	5YR4/6	sc	3f-vfabk	h	s,p	3mkpopfbr	non	-	as		middle - late Pleisto-cene (100-200ka)	good clay source
R	47+														Qbt
LA-86534, Airport Land Transfer Parcel, approx 60 m E of 86532-2, at old barrow pit (September 13, 2002)													**86534 -3**		
AC	0-21	<2	7.5YR4/4	7.5YR4/	ls	m	lo	so,p	no	non	-	as		< 750-	well

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
				3				s						850 yrs	sorted fs - Qe+Qc surface
Bt1b1	21-36	<2	5YR5/3	5YR4/3	sic	2-3f-msbk	sh	s,p	3n-mkbrpopf	non	-	as		middle - late Pleisto-cene (100-200ka)	good clay source
R	36+														Qbt
LA-135290, Profile 1, Airport roomblock, 98N/111.5E, fill in roomblock; base of profile approx. 10 cm above floor (July 24, 2003)													**135290-1**		
A	0-10	<2	10YR5/3	10YR3/4	sl	1-2msbk	so	so.po	n.o.	none	-	cs		<700-800 yrs	
Bw1	10-22	5	10YR4/4	10YR3/3	sil	2msbk	so-sh	ss,ps	n.o.	none	-	cs			post-dates wall collapse to west
Bw2	22-57	5-10	10YR4/4	10YR3/4	si	2msbk	sh-h	ss,ps	n.o.	none	-	as			post-dates wall collapse to west
Bw3	57+														adobe melt with abundant

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
															charcoal + wall collapse
LA-135290, Profile 2, Airport roomblock, 94N/110E, fill in roomblock; base of profile approx. 10 cm above floor (August 5, 2003)													**13529 0-2**		
A	0-6	20	10YR5/4	10YR4/3	sil	m	lo	so,po	n.o.	none	-	cs		<700-800 yrs	gravel from wall fall, + eolian material
Bw1	6-22	10-20	10YR4/3.5	10YR3/3	si	2msbk	so-sh	ss,ps	n.o.	none	-	gs			pure eolian deposit? + wall fall
Bw2	22-57+	5-10	10YR5/4	10YR3/3	sil	2m-csbk	sh-h	so,ps	n.o.	none	-	-			abundant charcoal; wall fall to east of profile
LA-135290, Profile 3, Airport roomblock, 98N/119.5E, E-W trench to E. of roomblock (September 10, 2003)													**13529 0-3**		
A	0-12	10-20	10YR3/4 (damp)	10YR3/3	sl	1fsbk-m	so-lo	so,po	n.o.	none	-	gs		<700-800 yrs	described moist; gravelly colluvium

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
															derived from room block
Bw	12-34	10-20	10YR4/3	10YR3/3	sl	1msbk	so	so,ps	n.o.	none	-	aw			gravelly colluvium derived from room block
Bwb1	34-55	<2	10YR4/3	10YR3/3	si	2msbk	h	ss,ps	n.o.	none	-	gs		mid Holocene (4-5 ka?)	eolian deposit with cicada burrows
Btjb1	55-75	<2	8.75YR4/4	8.75YR4/3	si	2mabk	h	ss,ps	1npobr	none	-	as			slightly redder than Bwb1
Btkb2	75-110	<5	7.5YR5/4	7.5YR3/3	sicl	2m-csbk	h	ss,ps	2mkpobr	e-es	I	ci		late Pleisto-cene	thin $CaCO_3$ filaments
R	110+													1.22 Ma	tuff rubble
LA-135290, Profile 4, Airport roomblock, 98N/125.8E, E-W trench to E. of roomblock (September 10,													**13529**		

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
2003)													**0-4**		
A	0-9	<5	10YR4/4 (damp)	10YR3/3	sil	1-2msbk	so	so.ps	n.o.	none	-	as		<700-800 yrs	distal post-Puebloan colluvium
Btjb1	9-41	<2	7.5YR4/4	7.5YR3/3	csi	2m-csbk	h	ss,p	1npobr	none	-	gs		mid Holocene	clayey swale fill? Possibly 1npobr argillans?
Bw1b1	41-72	<2	8.75YR4/4	8.75YR4/3	si	2m-csbk	sh-h	ss,ps	n.o.	none	-	gs			some films appear to be siltans; slightly redder than 10YR
Bw2b1	72-100	<2	10YR4/4	10YR3/4	si	2msbk	sh	ss,ps	n.o.	none	-	ci			
R	100+													1.22 Ma	tuff rubble
LA-135290, Profile 5, Airport roomblock, 101.5N/116E, E-W trench to E. of roomblock (September 10, 2003)													**13529 0-5**		

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
A	0-8	5	10YR4/3	10YR3/3	sil	m-1msbk	so-lo	so.po	n.o.	none	-	cs		<700-800 yrs	post-Puebloan colluvium; contains potsherds, abundant charcoal, abundant krotovinas @ Bwb1 boundary
Bw	8-34	5	10YR4/4	10YR3/3	si	2msbk	sh-h	ss,ps	n.o.	none	-	ci			
Bwb1	34-64	<2	10YR5/4	10YR3/3	si	2-3fsbk	h	ss,p	n.o.	none	-	gs		mid Holocene	
Btjb1	64-80	<2	8.75YR5/4	8.75YR4/3	sicl	2-3msbk	h	ss,ps	1npobr	none	-	cs			
Btkb1	80-97	<2	8.75YR5/4	8.75YR4/3	sic	2-3msbk	h	ss,p	1npobr	es	I	aw			$CaCO_3$ filaments locally common
Btkb2	97-122	5	7.5YR5/4	7.5YR3/3	sicl	2m-csbk	h	ss,p	2-3mkpobrpf	e-es	I	ai		late Pleisto-cene	clay films locally on ped faces
R	122+		5YR5/6 pockets											1.22 Ma	tuff rubble w/pockets of "big

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
															orange" (pockets with soil 100-200 ka)
LA-135290, Profile 6, Airport roomblock, 86N/115.8E, trench, south wall, E of roomblock (October 16, 2003)													**13529 0-5**		
A	0-11	5-10	10YR4/4	10YR3/3	sil	1msbk	so	so,po	n.o.	none	-	gs		<700-800 yrs	
Bw	11-34	<2	10YR4/3	10YR3/4	sil	1-2msbk	so	so,ps	n.o.	none	-	as			
Btjb1	34-51	<2	8.75YR4/4	8.75YR3/3	sicl	2msbk	h	ss,p	1nbrpo	none	-	cs		mid Holocene	
Bw1b1	51-76	<2	8.75YR5/4	8.75YR4/4	sil	2m-csbk	h	ss,ps	n.o.	none	-	gs			
Bw2b1	76-97	<2	10YR5/4	10YR4/3	sil	2msbk	sh-h	ss,ps	n.o.	none	-	as			
Btkb3	97-105	<2	5YR4/4	5YR4/6	sic	2-3fabk	sh-h	s,p	3-4mkcopobrpf	e	l-			100-200 ka	buried soil b3 relative to overall site strati-graphy; "big orange"?

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
R	105+													1.22 Ma	Qbt
LA-135290, Profile 7, Airport roomblock, 93N/110E, description of soil below floor (November 4, 2003)													**13529 0-7**		
Bw	0-13	2-5	7.5YR5/4	7.5YR3/3	sil	1msbk	so	so,ps	n.o.	none	-	as		mid Holocene ?	0 = base of floor, 90N/110.4E; fill?
Bwb1	13-26+	<2	10YR4/4	10YR3/3	si	2fsbk	sh	ss,ps	n.o.	none	-	-			some siltans
LA-135290, Profile 8, Airport roomblock, 92.25N/108E, description of soil below floor (November 4, 2003)													**13529 0-8**		0 = base of floor
Bw	0-11	<2	7.5YR4/4	7.5YR3/3	si	1-2msbk	so	so,ps	n.o.	none	-	as		mid Holocene ?	
Bwb1	11-17+	<2	7.5YR5/4	7.5YR3/3	si	2msbk	sh-h	so,ps	n.o.	none	-	-			
LA-135290, Profile 9, Airport roomblock, 97N/109E, description of soil below floor (November 5, 2003)													**13529 0-9**		0 = base of floor
Bw	0-14	<2	7.5YR5/4	7.5YR4/4	si	1-2msbk	so	so,ps	n.o.	none	-	ci		mid Holocene ?	
Bwb1	14-21+	<2	8.75YR5/4	8.75YR3/3	si	2msbk	sh-h	so,ps	n.o.	none	-	-			
LA 139418-1, Airport Land Transfer Parcel Grid Garden, E Wall, 85.5N/106E (June 23, 2003)													**13941 8-1**		
AC	0-8	<2	10YR5/4	10YR3/4	sil	1-2msbk	so	so,ps	n.o.	none	-	as		<500 yrs?	scattered clasts

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
															along lower contact suggests strat break
Bw	8-19	5	10YR4/4	10YR3/4	sil	1-2msbk	sh	ss,ps	n.o.	none	-	cs		<700-800 yrs	b1 based on upper contact
Bt1b2	19-27	5-10	7.5YR4/5	7.5YR3/4	sicl	2fsbk	sh	ss,p	1nbrpo	none	-	as		late Pleisto-cene	
Bt2b2	27-39	<2	7.5YR4/6	7.5YR3/4	sic	2-3fabk	sh-h	s,p	3npobrpf	none	-	cs			decrease in gravel from overlying horizon - strat break?
Btkb2	39-50+	<2	7.5YR4/4	7.5YR3/4	sic	2-3msbk	h	s,p	3mkpobrpf	e	I	cs			few $CaCO_3$ filaments
LA 139418-2, Airport Land Transfer Parcel Grid Garden, E Wall, 83.5N/106E (June 23, 2003)													**139418-2**		
AC	0-9	<1	10YR4/4	10YR3/4	sil	1msbk	so	so,ps	n.o.	none	-	as		<500 yrs?	
Bw	9-21	2-5	10YR4/5	10YR3/4	sil	1-	so	ss,p	n.o.	none	-	cs		<700-	large

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
						2msbk	-sh	s						800 yrs	roots, close to junipers
Btb2	21-34	2	8.75YR4/4	8.75YR3/4	sicl	2fsbk	so	ss,p	2npobr	none	-	cs		late Pleistocene	large roots
Btkb2	34-42+	<2	7.5YR4/4	7.5YR4/4	sic	2-3fsbk	sh	s,p	3npobrpf	e	I				few CaCO3 filaments
LA 139418-3, Airport Land Transfer Parcel Grid Garden, E Wall, 80.5N/106E, approx. 1 m S of grid garden (July 17, 2003)													**139418-3**		
AC	0-7	2	10YR4/4	10YR3/4	sil	1msbk	so	so,po	n.o.	none	-	as		<500 yrs?	4 cm pine litter, 1 m NW of piñon trunk
Bw	7-15	5	10YR5/3	10YR4/3	sil	2msbk	so-sh	so,ps	n.o.	none	-	vas		<700-800 yrs	
Btb2	15-23+	<2	7.5YR3.5/4	7.5YR4/4	sic	2-3fabk	h	s,p	3npobrpf	none	-	-		late Pleisto-cene	
LA 139418-4, Airport Land Transfer Parcel Grid Garden, 86N, 121E (15 m E of grid garden) (July 17, 2003)													**139418-4**		
AC	0-6	<2	10YR5/4	10YR4/3	sil	1msbk	so	so,ps	n.o.	none	-	as		<500 yrs?	
Bw	6-16	<2	10YR5/3	10YR4/3	sil	2msbk	so	so,p	n.o.	none	-	vas		<700-	

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
							-sh	s						800 yrs	
Btb2	16-34	<2	7.5YR5/4	7.5YR3/3	sic	2-3fsbk	h	s,p	3npobrpf	none	-	cs		late Pleisto-cene	
Btk1b2	34-42	<2	7.5YR5/3	7.5YR4/3	sic	2msbk	h	ss,p	2npobrpf	es	I	cs			thin $CaCO_3$ filaments
Btk2b2	42-64	<2	7.5YR4/4	7.5YR4/3	si	2msbk	h	ss,ps	1npobr	ev	I+	as			$CaCO_3$ filaments, + coatings on ped faces
Btkb3	64-74	2	7.5YR5/3	7.5YR4/4	sic	2msbk	h	ss,p	4n-mkpobr	e-	I-	vas		Pleisto-cene	possible remnant b3 buried soil, very few thin $CaCO_3$ filaments
R	74+													1.22 Ma	Qbt rubble
LA 141505, Profile 1, Late coalition or Early Classic? field house, 110N/107.3E (December 17, 2003)													**141505-1**		
A	0-5	5-10	10YR4/3	10YR2/2	sl	1msbk	so	so,po	n.o.	none	-	as		<600 to 800 yrs	1.5m from piñon

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
															stump, 30% organic matter, litter
Bw or Bwb1?	5-21+	<2	10YR4/4	10YR3/4	sil	2msbk	sh -h	so,ps	n.o.	none	-	-			tuff blocks imbedded into top of horizon
LA 141505, Profile 2, Late Coalition or Early Classic? fieldhouse, 107.6N/104E (January 6, 2004)													**14150 5-2**		
A	0-19	80-90	10YR4/3.5	10YR3/3	sil	1fsbk	so - sh	so,ps	n.o.	none	-	cs		<600 to 800 yrs	tuff blocks (wall), eolian material plus wall fall, post-Puebloan
Bw1	19-34	<1	8.75YR4/4	8.75YR3 /3	sil	1-2msbk	sh	ss,ps	n.o.	none	-	cs			siltans; possible pps equivalent ?

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
Bwb1	34-54	<1	8.75YR4/3	8.75YR3/3	si	2f-msbk	h	ss,p	n.o.	none	-	cs		Mid Holocene (4-6 ka?)	abundant siltans; possible b1?
Btb1	54-76	<1	7.5YR5/4	7.5YR4/3	sic	2f-msbk	h	s.p	2nbrpo	none	-	cs			
Btkb1	76-96	<1	7.5YR5/4	7.5YR3/4	sil	2msbk	h	ss,ps	1nbr	e	I-	as			> 2 mm (< 4 mm) nodules plus rare CaCO3 filaments; age based on weak Stage I CaCO3
Btkb2	96-116	2	7.5YR4/4	7.5YR3/4	scl	2msbk	h	ss,ps	2-3mkpobrpf	e	1	aw		late Pleisto-cene	CaCO3: few filaments, plus discontinuous coatings on ped faces

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
Qbt	116+													1.22 Ma	Qbt rubble + remnant "big orange" (Btkb3)
EG&G Gully, on mesa top east of Airport Site													**EG&G-1**		
A	0-16	2-5	10Yr4/3	10YR3/2	ls	1msbk	so	so,po	n.o.	none	-	as		Late Holocene (< 1 ka?)	
Bw1b1	16-35	5-10	7.5YR4/5	7.5YR3/4	sl	2msbk	sh	so,ps	n.o.	none	-	cs		Mid Holocene (ca. 4.5 ka)	predominantly tuff gravel, different parent material; "unroof-ing" of Bt horizon upslope, but no clay films
Bw2b1	35-56	<2	10YR5/4	10YR4/3	sil	2msbk	so-	ss,ps	n.o.	none	-	gs			minor csbk

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
							sh								structure; krotovinas near boundary
BCb1	56-104	5	10YR5/4	10YR4/3	l	1msbk-m	so-lo	so,po	n.o.	none	-	as			89cm = dated charcoal, ca. 4 ka BP (4.4 cal ka)
Bwb2	104-133	5	10YR4/4	10YR3/3	scl	2msbk	h	ss,ps	n.o.	none	-	cw		8.8 ka	possibly 1npo argillans
Bkb2	133-148+	2	10YR4/3	10YR3/3	sl	2msbk	sh	so,ps	n.o.	e	I	-			

Table L.5. Summary of soil morphology at Western Rendija tract cultural sites (described by Paul Drakos and Steven Reneau).

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	CaCO3	CaCO3 Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
LA 15116-1, Classic (?) period site, fieldhouse, N-facing slope below Qt2 surface; 1 m W. of west side of field house (July 6, 2004)													**15116 -1**		
A	0-10	30-40	10YR5/3	10YR3/2	ls	1msbk	so-lo	so,po	n.o.	none	-	as		Late Holocene (<700 yrs?)	Includes dacite clasts; inferred wallfall
Bw	10-20	20	10YR6/3	10YR4/3	ls	2f-msbk	so	so,po	n.o.	none	-	as			Gravels include common pumice, possibly derived from weathered Qbo source
Btb1	20-40	30-40	7.5YR5/4	7.5YR3/4	ls	2msbk	so	so,po	1-2nco	none	-	aw		Early Holocene?	Possible reworking of older soil; charcoal bearing
Qbo?	40+														Whitish nonwelded tuff; Qbo or Qbt1g
LA 70025-1, Classic or Coalition (?) period field house, on dissected Qc over Qt(?) ridge, 2m W of wall, 100N/101.6E (December 3, 2004)															
A	0-5	2	10YR5/3	10YR3/3	ls	m	lo	so,po	n.o.	none	-	as		Late Holocene (<800 yrs?)	Qc
Bw1	5-14	<2	10YR4/3	10YR3/3	sl	1-2msbk	so	so,ps	n.o.	none	-	cs			
Bw2	14-29	5	10YR4/3	10YR3/3	scl	2msbk	so	ss,ps	n.o.	none	-	cs			post-occupation
Btjb1	29-40	2-5	10YR5/4	10YR3/3.5	scl	2fsbk	sh	ss,ps	1nbr	none	-	cs		Mid-Late Holocene?	pre-occupation
BC	40-50+	<1	10YR4/4	10YR3/4	sil	2msbk	so	ss,ps	n.o.	none	-	-			

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	CaCO3	CaCO3 Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
LA 85403-1, Coalition or Classic (?) period fieldhouse, on Qt2 surface west of Sportsman's Club, 1.4m W of wall, 104.8N/105E (Oct. 26, 2004)													**85403-1**		
A	0-9	10	10YR3/4	10YR3/3	sl	1fsbk	so-lo	so,po	n.o.	none	-	cs		Late Holocene (<800 yrs?)	Moist horizon [10YR5/3 dry?]
Bw	9-22	2-5	8.75YR3/4	8.75YR3/3	si	2msbk	so	ss,ps	n.o.	none	-	aw			Moist, eolian, post-occupation?
Bwb1	22-30+	2-5	7.5YR4/5	7.5YR3/4	si	2msbk	sh-h	ss,ps	n.o.	none	-	-			Some siltans, eolian
LA 85403-2, Coalition or Classic (?) period site, inside structure, below W. wall, 104.8N/106.5E (Oct. 26, 2004)													**85403-2**		
Bwb1	30-35											as		Early Holocene?	Below wall; see Bwb1 description above
Btb1	35-50+	15.20	7.5YR4/5	7.5YR4/4	sic	2msbk	h	ss,p	1-2nbr	none	-	-			
LA 85404-1, Coalition or Classic (?) period fieldhouse, E-facing slope of Qt1 surface; inside fieldhouse, 104N/102E (Sept. 21, 2004)													**85404-1**		
A	0-9	20-30	10YR4/3	10YR3/2	sl	1msbk→gr	so	so,po	n.o.	none	-	as		Late Holocene (<800 yrs?)	
Bw1	9-21	30	10YR5/3	10YR3/3	sl	2fsbk	so	so,po	n.o.	none	-	cs			
Bw2	21-30+	20	10YR5/3	10YR3/3	scl	2msbk	sh-h	ss,po	1nbrco (reworked peds?)	none	-	-			Possible floor preparation/reworking of older soil; charcoal bearing
LA 85404-2, Coalition or Classic (?) period fieldhouse, E-facing slope of Qt1 surface; 1.5m W of fieldhouse, 102.6N/100E (Sept. 30, 2004)													**85404-2**		
A	0-6	20	10YR5/	10YR3/3	sl	1-2fgr	so	so,p	n.o.	none	-	as		Late	profile moist

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	CaCO3	CaCO3 Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
			3					o						Holo-cene (<800 yrs?)	
Bw	6-12	40	10YR4/3	10YR3/3	sl	1-2msbk	so	so,po	n.o.	none	-	aw			some clay coatings on clasts (reworked gravels w/clay films), recycled from Bt horizon
Btb1	12-40+	70-80	7.5YR3/4	7.5YR3/4	scl	2msbk	h	s,p	3nkcopobrpf	none	-	-		Pleisto-cene	moist horizon
LA 86605-1, Coalition or Classic (?) site, fieldhouse; east-sloping shoulder of Qt2 (June 24, 2004)													**86605-1**		
Upper profile = 1.1m W of west wall (0-22 cm); lower profile = 0.5 m W of west wall															
A	0-7	5	10YR4/4	10YR3/3.5	ls	1-2msbk	so-sh	so,po	n.o.	none	-	as		Late Holo-cene (<800 yrs?)	very fine sand
Bw	7-19	<2	7.5YR4/4	7.5YR3/3	sil	2msbk	h	ss,ps	n.o.	none	-	cw			possible 1npobr; slopewash colluvium (Bwb1?); includes sherds and lithics
Btb1	19-35	<2	7.5YR5/4	7.5YR3/3.5	sil	2-3fabk	vh	ss,p	2npobrpf	none	-	cs		Late Pleisto-cene/ Early Holo-cene	2pr breaking to 2-3msbk
Btkb1	35-50+	<2	7.5YR5/4	7.5YR4/4	sil	2mabk	vh	ss,ps	1npo	e-	I-	-			some CaCO3 filaments
Btkb1	54-93+														
LA 86605-2, Coalition or Classic (?) site, field house; east-sloping shoulder of Qt2 (June 24, 2004)													**86605-2**		
Profile described inside 1-room structure, approx. 0.4 m E of west wall; A horizon and upper part of Bw missing; base of Bw approx. 40 cm below top of tuff slab															
A	?														

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	CaCO3	CaCO3 Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
Bw	? to 40-45	5-10	8.75YR4/3	7.5YR3/3	si	2msbk	sh	ss,ps	n.o.	none	-	as		Late Holocene (<800 yrs?)	charcoal scattered throughout, scattered Qbt clasts and granule to pebble size gravel (wall fall?); possibly includes baked soil, partly reddened
Btkb1	(40-45)+										I			Late Pleistocene/ Early Holocene	CaCO3 coatings on ped faces plus filaments; Btk2b1?
LA 86606-1, Classic or Coalition (?) period fieldhouse, on east-facing gentle colluvial slope, Qc over Qt(?), 1 m W of wall, 101.6N/101E (June 29, 2005)													**86606-1**		
A	0-8	30-40	10YR4.5/3	10YR3/2.5	ls	1msbk	so	so,po	n.o.	none	-	cs		Late Holocene (<800 yrs?)	Cerro Grande burn at surface (ashy); gravel = angular to subangular dacite
Bw1	8-22	30	10YR5/3	10YR3/2.5	ls	2f-msbk	sh	so,po	n.o.	none	-	as			abundant charcoal
Bw2	22-36	20-30	10YR5/4	10YR3/3	sl	2msbk	sh	so,po	n.o.	none	-	cs		Middle-Late Holocene?	pre-occupation
Bw3	36-51	30-40	10YR5/4	10YR3/4	sl	1msbk	so	so,po	n.o.	none	-	cs			
Bw4	51-89	30	10YR5/3	10YR3/3	ls	1csbk	so	so,po	n.o.	none	-	cs			common krotovinas at top of horizon

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	CaCO3	CaCO3 Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
BCk	89-120+	30	10YR5/3	10YR3/3	ls	m	lo	so,po	n.o.	none*	I-	-			* thin discontinuous coatings on clasts; no $CaCO_3$ in matrix
LA 86607-1, Classic (?) period field house; on possible high Qt remnant, Qc over Qt? 1.5 m W of W. wall, 103.5N/100E (June 29, 2005)													**86607-1**		
A	0-4	5	10YR4/3	10YR3/3	sl	1msbk	so	so,po	n.o.	none	-	as		Late Holocene (<800 yrs?)	
Btb1	4-33+	5-10	7.5YR5/4	7.5YR3.5/4	c	3f-msbk	h	s,p	3mkcopobrpf	none	-	-		Pleistocene	
											-	-			
LA 87430-1, Middle to late(?) Classic site, field house; north edge of Qt5, 102N, 102.5E, 1.8m E of structure (December 2, 2004)													**87430-1**		
"C"	+22-0														organic matter + loose sand (tree throw)
A	0-6	<2	10YR3/2	10YR2/1	sl	1msbk	so-lo	so,ps	n.o.	none	-	as		Late Holocene (<600 yrs?)	buried horizon
Bw	6-18	5-10	10YR4/3	10YR3/2	sl	1-2msbk	so	so,ps	n.o.	none	-	as			post-occupation
Btb1	18-41	5	10YR4/4	10YR3/4	scl	2msbk	so	ss,ps	1nbrpo	none	-	cs			pre-occupation, Qt5 soil(?)
BCb1	41-54+	<5	10YR4/4	10YR3/3.5	scl	2f-msbk	so	ss,ps	n.o.	none	-	-			
LA 127627-1, Coalition or Classic period site, fieldhouse, N-facing slope below Qt2 surface, SE of SE (upslope) corner of fieldhouse (July 6, 2004)													**127627-1**		

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	CaCO3	CaCO3 Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
A	0-5	10-20	10YR3/3	10YR2.5/2	sl	1msbk	so-lo	so,ps	n.o.	none	-	aw		Late Holocene (<800 yrs?)	Contains Cerro Grande ash and charcoal
Bw	5-21	20-30	10YR4.5/3	10YR3/3	sl	2msbk	h	so,po	n.o.	none	-	aw			siltans
Bt1b1	21-48	25	7.5YR4/4	7.5YR3/4	scl	2msbk	h	ss,ps	2ncopobr	none	-	cs		Late Pleistocene?	
Bt2b1	48-72+	60	7.5YR4/5	7.5YR3/4	scl	2fsbk	h	ss,po	2n-mkcopobr	none	-	-			Clayey sand is alternate texture
LA 127633-1, Slab lined feature, SE-facing slope Qc overlying Qct?, hillslope soil profile below (SW of) site (Sept. 30, 2004)													**12763 3-1**		
A	0-5	30	10YR5/3	10YR3/3	ls	m	lo	so,po!	n.o.	none	-	cs		Late Holocene (<600 yrs?)	
BC	5-57	20-30	10YR6/3	10YR3/4	ls	1fsbk-m	so-lo	so,po	n.o.	none	-	aw			late Holocene Qc
Btjb1	57-70+	20-30	7.5YR5/4	7.5YR4/3.5	sl	2msbk	so	ss,ps	1nco	none	-	-		Mid-Late Holocene	older Qc
LA 127633-2, Slab lined feature, SE-facing slope Qc overlying Qct?, west side of feature (December 21, 2004)													**12763 3-2**		
A	0-10													Mid-Late Holocene	frozen; see profile 1 for description; historic Qc
BC	10-56	25	8.75YR5/3	8.75YR4/3	s	m	lo	so,po	n.o.	none	-	gs			possible C horizon; young (Late Holocene) pumice-rich Qc
IIC	56-83	30-	10YR4.5	10YR4/3	s	sg	lo	so,p	n.o.	none	-	aw			sand and angular dacite

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	CaCO3	CaCO3 Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
		40	/4					o							gravel
IIIBwb1	83-110+	20-30	7.5YR4/5	7.5YR4/4	ls	m	lo	so,po	n.o.	none	-	-		Mid-Late Holocene	Qct-derived Qc?; pumice-rich, some reworked with clay films?; 70% pumice, 30% dacite gravel
LA 127634-1, Classic period site, one-room structure with hearth set on Btkb1, on Qct or Qbog hillslope slopewash Qc, 2 m W. of wall, (Sept. 7, 2004)													**135292-1**		
A	0-6	10-20	10YR5/3	10YR3/3	ls	m	lo	so,po	n.o.	none	-	gw		Late Holocene (<600 yrs?)	young colluvium, post-occupation
Btkb1	6-23	30-40	7.5YR4/6	7.5YR4/4	scl	2f-msbk	so-sh	ss,ps	2nbr	e-	I-	aw		Late Pleistocene?	Pleistocene(?) colluvium, discontinuous CaCO3 coatings
IICBk	23-36+														Qct or Qbog w/CaCO3
LA 127635-1, Classic period site, fieldhouse situated on Qc wedge on the backside of pre-Qt6 terrace, 0.5 m E. of E. wall, 104.2N/102E (Sept. 7, 2004)													**127635-1**		
A	0-7	20	10YR5/3	10YR3/3	ls	m	lo	so,po	n.o.	none	-	aw		Late Holocene (<800 yrs?)	young colluvium, post-occupation
Bw	7-19	10-20	10YR5/3.5	10YR3/3	sl	1-2msbk	sh	so,po	n.o.	none	-	cs			post-occupation colluvium with wall fall
Bwb1	19-33	2	8.75YR5/4	8.75YR4/3	scl	2msbk	sh	ss,ps	n.o.	none	-	aw		Mid to Late Holo-	top = likely occupation site
Bkb1	33-43+	5-10	8.75YR5	8.75YR4	scl	2m-csbk	h-vh	ss,ps	n.o.	es	I	-			filaments common on

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	CaCO3	CaCO3 Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
			/4	/5										cene	ped faces and interiors
LA 135291-1, Classic (?) period site, Qt2, N. slope, thin Qc + Qe over Bt, Profile 1= 1.6m E. of wall, 104N/106.5E (Oct. 26, 2004)													**13529 -1**		
A	0-4	5-10	10YR3/ 3	10YR2.5 /2	sl	1fsbk	so-lo	so,ps	n.o.	none	-	cs		Late Holo-cene (<800 yrs?)	Possibly contains Cerro Grande ash
Bw	4-11	5-10	10YR3/ 4	10YR3/2	sl	1-2f-msbk	so	so,ps	n.o.	none	-	aw			Contains artifacts including biscuitware ceramics
Btb1	11-30+	30	7.5YR3/ 3	10YR3/2	sc	3fpr	h	s,p	3kpfpobrc o	none	-	-		> 100 ka	>100 ka Bt
LA 135292-1, Classic period site, field house, on flat Qt2 surface overlain by slopewash Qc, 1.3 m W. of fieldhouse, N103/E101 (Sept. 7, 2004)													**13529 2-1**		
Lithics + ceramics, 0-30 cm															
A	0-14	5	10YR4/ 3	10YR3/3	sil	2fgr	so-sh	so,ps	n.o.	none	-	as		Late Holo-cene (<800 yrs?)	Peds commonly made of spheroids, crumbly
Bw1	14-30	2-5	10YR4/ 4	10YR3/3	sil	1-2msbk	so-sh	so,ps	n.o.	none	-	gs			horizon projects under structure
Bw2	30-44	2	10YR3.5 /4	10YR3/4	si	1msbk	so	ss,ps	n.o.	none	-	aw			slopewash colluvium
Btb1	44-61	10-15	8.75YR4 /4	8.75YR4 /3	si	2msbk	sh	ss,ps	2nbrcopf	none	-	aw		Pleisto-cene	bioturbated soil above Qt2 gravels (Qc?)
Btkb1	61-70+	10	7.5YR3/ 3	7.5YR2. 5/3	sicl	3m-cabk	h	ss,p	3-4ncopobr pf	e	I	-			discontinuous coatings on ped faces; abundant filaments on ped faces and in ped interiors
LA 135292-2, Classic period site, fieldhouse, inside structure, 103N/101.8E (Sept. 7, 2004)													**13529 2-1**		

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	CaCO3	CaCO3 Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
Lithics + ceramics, 0-30 cm															
A	0-28	20-30	10YR4.5/3	10YR3/3	sil	2mgr	sh	so,ps	n.o.	none	-	as		Late Holo-cene (<800 yrs?)	Room fill
Bw1	28-36+	2	10YR4/4	10YR3/3	sil	1-2msbk	so	so,ps	n.o.	none	-	-			Below wall level

Table L.6. Summary of soil morphology at Western Rendija tract fieldhouse and tipi ring sites (described by Paul Drakos and Steven Reneau).

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
LA 85408-1, Classic period fieldhouse, on ridge top, 2 m W of NW corner of fieldhouse (August 17, 2005)													**8540 8-1**		
A	0-9	20-30	10YR4.5/3	10YR3/3	sl	1fsbk	so	so,po	n.o.	none	-	ai		Late Holocene (<800 yrs?)	angular gravel
Rk	9-20	weathered sandy Qct alluvium, some clay films on cobbles; local carbonate accumulation													
R	20+														sandy Qct alluvium
LA 85411-1, Classic period site, multi-room structure near ridge top on east-facing slope, 2.3 m E of SE corner of Room 2 (July 18, 2005)													**8541 1-1**		
A	0-4	5-10	10YR4/3	10YR3/2	ls	1msbk	so-lo	so,po	n.o.	none	-	as		Late Holocene (<800 yrs?)	
Bw	4-14	20	10YR4/3	10YR3/2	sl	1-2fsbk	so-lo	so,po	n.o.	none	-	aw			post-occupation Qc
Bwb1	14-30	20-30	7.5YR5/3	7.5YR5/3	sl	1-2fsbk	so	so,po	n.o.	none	-	aw		Mid-Late Holocene?	clay films at underlying contact with Qct; possibly reworked clasts with clay films from older soil upslope?
R	30+														consolidated pumice-rich sandstone
LA 85413-1, Classic period fieldhouse, on contact between Qct and Qc, south-facing slope, 3 m SE of SE corner of fieldhouse (October 13, 2005)													**8541 3-1**		

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
A	0-7	2	10YR3/3	10YR2/2	ls	m-sg	lo	so,po	n.o.	none	-	aw		post-Classic Period	possibly AC horizon, post-occupation
Bw	7-31	10-20	10YR4/4	10YR3/3	sl	1-2fsbk	so	so,po	n.o.	none	-	aw		Late Holocene (<1 ka?)	Qc, angular to subangular pebble-to-cobble-size gravel
Btk1b1	31-42	30-40	7.5YR4/4	7.5YR3/4	sc	2-3fabk	h	s,p	3mkpfbrpo	e-	II-	cs		Late Pleistocene	very thin $CaCO_3$ filaments, nearly continuous, thin clast coatings
Btk2b1	42-56+	10-20	7.5YR5/5	7.5YR4/6	scl	2msbk	so-sh	ss,ps	1nco	ev	I+	-			thin, discontinuous coatings on clasts, very thin filaments, sparser than above
LA 85413-2, Classic period fieldhouse, on contact between Qct and Qc, 0.5 m S of NE corner of fieldhouse, below wall (October 13, 2005)													**8541 3-2**		
A	0-18	20-30*	10YR4/3	10YR3/3	sl	1msbk	so	so,po	n.o.	none	-	aw		post-Classic Period	boulder (wall block) below soil line = 0-8 cm; *gravel % does not include wall block
Bw	18-46	20-30	10YR5/4	10YR3/3.5	sl	1-2msbk	so	so,po	n.o.	e	-	aw		Late Holocene (<1 ka?)	reworked $CaCO_3$ on clasts
Rk	46-55+	Qct with Stage III carbonate and local clay films													
LA 85414-1, Classic period fieldhouse, on E-facing Qct bench, 1.5 m E of NE corner of fieldhouse (October 25, 2005)													**8541 4-1**		
A	0-8	5-10	10YR5/3	10YR3/3	ls	1msbk-m	so-lo	so,po	n.o.	none	-	as		Late Holocene	post-occupation Qc

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
Bw	8-15	5	10YR5/3	10YR3/2	sl	1-2fsbk	so	so,po	n.o.	none	-	aw		(<800 yrs?)	described moist
Btb1	15-23	5	7.5YR4/3.5	7.5YR3/3.5	scl	2csbk	sh	ss,ps	2-3ncobrpf	none	-	aw		Late Pleistocene	described moist
R	23+														Qct, weathered
LA 85414-2, 20 cm N. of SW corner of test pit, 0.9 m S. of inside of SE corner of fieldhouse, inside of E. wall (October 25, 2005)													**8541 4-2**		
(A)	(0-10)													Late Holocene (<800 yrs?)	stripped horizon
Bw	10-20	30	10YR5/3	10YR3/3	sl	1-2fsbk	so	so,po	n.o.	none	-	aw			described moist
Btb1	20-32	5-10	7.5YR4/3	7.5YR3/3	scl	2msbk	so-sh	ss,ps	1-2ncopobr	e-	-	aw		Late Pleistocene /Early Holocene	described moist
Rk	32+										II-				Qct, thin CaCO3 coatings on undersides of most clasts, continuous coatings on some
LA 85417-1, Classic (?) period fieldhouse, on Qct knob merging with hillslope to N, 2 m W of W. wall of fieldhouse (October 25, 2005)													**8541 7-1**		**104N/102E**
A	0-6	50-60	10YR5/3	10YR3/3	l	1msbk-m	so-lo	so,po	n.o.	none	-	cs		Late Holocene (<800 yrs?)	gravel lag with eolian fines; much more silt than other A horizons
Bw	6-15	50-60	10YR5/3	10YR3/4	ls	1msbk	so-lo	so,po	n.o.	none	-	aw			A and Bw gravel mostly dacite

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
Btb1	15-25+	60-70	7.5YR4/6	7.5YR3/3.5	sc	2fsbk	h	s,ps	3-4ncopobrpf	none	-	aw		Pleistocene	gravel mostly pumice, soil formed in Qct
LA 85417-2, inside W. wall of fieldhouse (November 14, 2005)													**8541 7-2**		**104.8N/104E**
A	0-7	20	10YR5/3	10YR3/3	sl	1msbk	so	so,po	n.o.	none	-	cs		Late Holocene (<800 yrs?)	matrix between wall blocks, very fine sandy loam; gravel % excludes wall blocks
Bw	7-15	5-10	10YR5/3	10YR4/3	sl	1msbk	so	so,po	n.o.	none	-	aw			wall blocks set on and into Bw horizon
Btb1	15-24+	30	7.5YR4/6	7.5YR3/3	scl	2msbk	so-sh	ss,ps	2ncopobr	none	-	-		Pleistocene	24 cm = floor level, contains charcoal; some rocks set on top of Bt, unclear if set into Bt (may have utilized preexisting rocks)
LA 85861-1, Classic or Coalition (?) period field house, on gently-sloping ridge top below NE-facing hillslope 4 m E of E wall (November 14, 2005)													**8586 1-1**		**107N/104.5E**
A	0-13	20	10YR5/4	10YR3/3.5	sl	1msbk	so	so,po	n.o.	none	-	cs		Late Holocene (<800 yrs?)	coarse sandy loam, fine gravel (dacite+pumice)
Bw	13-26	30	10YR4/4	10YR4/3	sl	1msbk	so	so,po	n.o.	none	-	aw			coarse sandy loam, fine gravel (dacite+pumice)
Bwb1	26-39	40	7.5YR4/6	7.5YR3/4	sl	1fsbk	so	so,po	n.o.	none	-	ai		Middle-Late Holocene?	gravel is weathered pumice, some dacite
Rk	39+									e	II				

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
LA 85861-2, 6.2 m downslope (NE) from E wall (November 21, 2005)													**8586 1-2**		**109N, 106.5E**
A	0-5	10	10YR5/4	10YR3/3	ls	1msbk	so	so,po	n.o.	none	-	as		Late Holocene (<800 yrs?)	
Bw	5-15	20-30	10YR4/3	10YR3/3	sl	1-2msbk	so	so,po	n.o.	none	-	cw			
Bwb1	15-27	40	7.5YR4/6	7.5YR3/3	scl	1fsbk	so-lo	ss,ps	n.o.	none	-	ai		Mid-Late Holocene?	bioturbated pumice with CaCO3 coatings and colloidal stains
Rk	27+														
LA 85861-3, 1.5 m north from N wall (November 21, 2005)													**8586 1-3**		**109N, 99.6E**
A	0-5														
Bw	5-18														
Bwb1	18-38														
Rk	38+														
LA 85861-4, N side N wall, approx. 15-cm mound on ridge top (November 21, 2005)													**8586 1-4**		**107.4N, 99.4E**
A	0-16	10-20	10YR4/3.5	10YR3/3	l	1-2msbk	so	so,ps	n.o.	none	-	cw		Late Holocene (<800 yrs?)	soil between wall blocks, finer than outside structure
Bw	16-31	20	7.5YR4/6	7.5YR3/4	l	1mgr	so	so,ps	n.o.	none	-	gs			possible back fill next to wall block
Bwb1	31-50	40	7.5YR4/6	7.5YR3/4	scl	1fsbk	so-lo	ss,ps	n.o.	none	-	ai		Middle-Late Holocene?	

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
Rk	50+														
LA 85864; Profile 1; lower tipi ring site in gullied area; 101N/104.7E (December 23, 2003)															
A	0-9	<1	10YR4/4	10YR3/3	sil	1fsbk	so	so,po	n.o.	none	-	as	**8586 4-1**	Late Holocene	post-Apache
Ab1	9-14+	<1	10YR3/4	10YR3/2	sicl	2msbk	so-sh	s,p	n.o.	none	-				siltans in pores
LA-85864; Profile 2, gully wall; approximately 10m SW of tipi ring (December 23, 2003)													**8586 4-2**		
A	0-15	<5	10YR4/3	10YR3/3	sil	1 msbk-m	so-lo	ss,ps	n.o.	none	-	cw		Late Holocene	eroded upper surface; possible lumping of multiple horizons (A-Bw?, A-Ab1?)
Bw1	15-40	<2	10YR4/3	10YR3/3	sil	2 msbk	so-sh	ss,ps	n.o.	none	-	as		Mid to Late Holocene	charcoal at 38 cm; siltans
Bw2	40-61	2-5	10YR4/3.5	10YR3/3	sicl	2csbk	h	ss,ps	n.o.	none	-	gs			siltans, possible buried soil (Bwb1?), possibly not
Bw3	61-85	2	8.75YR5/3	8.75YR3/3	sicl	2mpr } 2csbk	h	ss,ps	n.o.	none	-	cs			
Btj	85-104	2	7.5YR5/4	7.5YR4/3	sicl	2mpr }2-3 csbk	h	ss,ps	1nbr	none	-	as			
Bwb1	104-163	5	8.75YR4/4	8.75YR3/3	sicl	2 mpr	h	s,p	n.o.	none	-	as		Mid Holocene?	
Bt1b2	163-201	<2	7.5YR6/3	7.5YR4/3	sicl	2 csbk	h	ss,ps	1ncopo	none	-	as		Late Pleistocene	
Bt2b2	201-213+	<2	7.5YR5/3	7.5YR4/3	sic	2 f-mabk	h	s,p	2ncopobr	none	-	-			

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
LA 85867-1, Classic (?) period fieldhouse, on Qc next to road, south wall inside room, 0.8 m W of SE inside corner (October 13, 2005)													**8586 7-1**		
A	0-5	20-30	10YR5/4	10YR3/4	sil	m-sg	lo	so,ps	n.o.	none	-	gs		post-Classic Period	Qc with eolian component, fine-grained
Bw1	5-25	10	10YR4/3	10YR3/3	sicl	2msbk	sh	ss,p	n.o.	none	-	gs		Late Holocene (<1 ka?)	base of horizon = approximate base of wall blocks; blocks set into Bw1(?)
Bw2	25-75	5	10YR4/4	10YR3/3	sicl	2fsbk	h-vh	ss,p	n.o.	none	-	cs		Holocene	Holocene Qc
Bw3	75-110+	2-5	10YR4/3	10YR3/3	si	2fsbk	so-sh	ss,ps	n.o.	none	-	-			Holocene Qc
LA 85869, Profile 1, Upper Tipi Ring site, 100.4N/132E; N. shoulder of ridge; (December 9, 2003)													**8586 9-1**		
A	0-3	20-30	10YR3/4	10YR2/2	sl	m-sg	lo	so,po	n.o.	none	-	as		Late Holocene	includes Cerro Grande ash
Bw	3-9	5	10YR4/3	10YR3/3	scl	1f-msbk	so-lo	ss,ps	n.o.	none	-	as			
Bt1b1	9-22+	10	7.5YR4/4	7.5YR3/4	sic	3fsbk	h	s,p	3-4mkcop obrpf	none	-			Pleistocene	
LA 85869, Profile 2. Upper Tipi Ring site, 78N/158E; inside Feature 2 (Tipi Ring) near ridge crest; (December 23, 2003)													**8586 9-2**		
A	0-4	40	10YR4/3	10YR3/3	ls	m	lo	so,po	n.o.	none	-	as		Late Holocene	

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate (years BP)	Notes
Bw	4-15	20-30	10YR5/3	10YR3/3	sl	2msbk	so-sh	so,po	n.o.	none	-	aw			tipi ring rocks set on or on top of Bw
Btb1	15+													Pleistocene	see profile #1 for Btb1 description

Table L.7. Summary of soil morphology at Western Rendija tract Archaic/multi-component sites (described by Paul Drakos and Steven Reneau).

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon	Profile #	Preliminary Age Estimate (years BP)	Notes
LA 85859-1, Rendija Canyon Land Transfer Parcel, W. wall of excavation grid, SW corner = 90N/101E, upslope pit in transect (June 10, 2003)													**8585 9-1**		**Aspect: ESE-facing hillslope**
AC	0-4	30	10YR5/3	10YR3/3	sl	sg	lo	so,po	n.o.	none	-	as		< 600 yrs	young colluvium
2Btb1	4-29	60-70	7.5YR5/3	7.5YR3/3	scl	2fsbk	so-sh	ss,ps	2ncobr	none	-	gs		1.2 - 1.6 Ma (Ma = million years)	colloidal stains common on pumice clasts
2Coxb1	29-35+	90	7.5YR5/3-5/4	7.5YR4/3	s	sg	lo	so,po	n.o.	e	-	-			Qct(?) pumice deposit; 7.5YR7/6 on oxidized clasts; white on inside
LA 85859-2, Rendija Canyon Land Transfer Parcel, N. wall of excavation grid, SW corner = 90N/118E, downslope pit in transect (June 10, 2003)													**8585 9-2**		**Aspect: ESE-facing hillslope**
A	0-4	30-40	10YR5/3	10YR3/3	sl	sg	lo	so,po	n.o.	none	-	as		< 600 yrs	young colluvium
Bw	4-14	30	8.75YR 5/3	7.5YR4/3	sl	2msbk	sh	so,ps	n.o.	none	-	cs			
Bt1b1	14-39	20	6.25YR4/3	6.25YR 4/3	sc	2fabk	sh	s,p	3-4mkco pobrpf	none	-	gs		ca. 6.7-7.4 ka	
Bt2b1	39-59	20-30	7.5YR5/4	7.5YR4/4	scl	2-3fsbk	sh	ss,p	2ncop obr	none	-	gs			
Btkb1	59-84	10	7.5YR6/4	7.5YR4/4	sl	2msbk	sh-h	so,ps	1npo	es	I	ci			marginal argillans; pumice gravel
Bkb1	84-95	30	7.5YR6/3	7.5YR4/6	ls	2msbk	sh	so,po	n.o.	ev	II-?	ai			gravel lag horizon
2Bkb2	95+										III?			1.2 - 1.6 Ma	carbonate cemented pumice
LA 85859-3, Rendija Canyon Land Transfer Parcel, S. end of W. wall of excavation grid, SW corner =													**8585**		**Aspect: ESE-facing**

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon	Profile #	Preliminary Age Estimate (years BP)	Notes
90N/107E (June 13, 2003)													**9-3**		**hillslope**
A	0-5	40	10YR5/3	10YR3/3	sl	sg	lo	so,po	n.o.	none	-	as		< 600 yrs	young colluvium
Bw	5-20	30	10YR5/2	10YR3/3	sl	1-2msbk	so-sh	so,ps		none	-	aw			variable thickness, local swale, min = 9 cm, max = 17 cm
Btb1	20-41	20	7.5YR4/6	7.5YR3/4	sc	2-3fabk	sh	s,p	3mkcopobr	none	-	gs		ca. 6.7-7.4 ka	
Btkb1	41-58	30	7.5YR4/6	7.5YR3/4	scl	2msbk	so-sh	ss,ps	1npobr	e-es	I	cw			
Bkb1	58-67	30-40	10YR4/4	10YR3/4	scl	1msbk	so-sh	ss,ps	n.o.	es	I	cw			
2Btkb2	67-79+	80-90	7.5YR5/3	7.5YR5/4	scl	m	lo	ss,ps	1-2nkco	ev	II			1.2 - 1.6 Ma	pumice clasts Qct(?); colloidal stains and continuous CaCO3 coatings on clasts; clay coatings predominant in upper 4 cm, CaCO3 below this
LA 85859-4, Rendija Canyon Land Transfer Parcel, W. wall of excavation grid, SW corner = 90N/114E (June 19, 2003)													**8585 9-4**		**Aspect: ESE-facing hillslope**
A	0-4	20	10YR5/3	10YR3/3	sl	sg	lo	so,po	n.o.	none	-	as		< 600 yrs	few lithics
Bw	4-14	20-30	10YR5/3	10YR3/3	sl	2msbk	so-sh	so,po	n.o.	none	-	aw			relatively high density of lithics (10-12)
Bt1b1	14-37	10-20	7.5YR4/3	7.5YR4/3	sc	2-3fsbk	sh-h	s,p	3mkcopobr	none	-	cs		ca. 6.7-7.4 ka	highest density of lithics in top 10 cm
Bt2b1	37-50	40-50	7.5YR4/4	7.5YR3/4	sc	2msbk	sh-h	s,p	2ncopobr	none	-	cs			diminishing density of lithics
Bt3b1	50-65	20	7.5YR5/4	7.5YR4/3	scl	2msbk	sh-h	ss,ps	1ncopobr	none	-	aw			base = top of stone line

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon	Profile #	Preliminary Age Estimate (years BP)	Notes
BCb1	65-79	50-60	7.5YR5/4	7.5YR4/5	scl	1-2msbk	so	ss,ps	n.o.	none	-	aw			clasts with discontinuous CaCO3 coatings, < 1 mm thick, some on tops and sides (reworked clasts)
2CBkb2	79+	90+	7.5YR8/2	7.5YR7/2	s	m	lo	so,po	n.o.	es	I	-		1.2 - 1.6 Ma	Qct(?) pumice bed, thin discontinuous CaCO3 coatings on clasts
LA 85859-5, Rendija Canyon Land Transfer Parcel, S. wall of excavation grid, SW corner = 90N/110E (June 20, 2003)													**85859-5**		**Aspect: ESE-facing hillslope**
A	0-4?													< 600 yrs	estimated 10 cm stripped by archaeologists
Bw	4-13?														
Bt1b1	13-31	30	7.5YR4/4	7.5YR3/4	sic	2-3fsbk	h	s,p	3mkcopobrpf	none	-	cs		ca. 6.7-7.4 ka	some peds = abk; most sbk
Bt2b1	31-46	20-30	7.5YR4/6	7.5YR3/4	sic	2msbk	sh-h	s,p	2ncopobr	e-	-	cs			few thin discontinuous coatings on clasts and on peds
Bt3b1	46-58	20-30	7.5YR4/6	7.5YR4/4	sil	2f-msbk	sh	ss,ps	1ncobr	none	-	cs			few thin discontinuous coatings on clasts and on peds
Bkb1	58-80	50	7.5YR5/4	7.5YR3/4	scl	1msbk	so	ss,ps	n.o.	es	I	aw			dacite clasts 4 cm below top of horizon with discontinuous CaCO3 coatings, < 1 mm thick, some on tops and sides (reworked clasts); obsidian microflake with discontinuous CaCO3 coating in horizon
2CBkb2	80+	100	white		g	m	lo	-	n.o.	ev	II	-		1.2 - 1.6 Ma	Qct(?) pumice bed, continuous CaCO3 coatings on clasts

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon	Profile #	Preliminary Age Estimate (years BP)	Notes
LA 85859-6, Rendija Canyon Land Transfer Parcel, 0 m pt. on topographic profile, on ridgecrest (June 20, 2003)													**8585 9-6**		**Aspect: N-sloping ridgecrest**
A	0-10	20	10YR3/3	10YR2/ 2	sl	sg	lo	so,p o	n.o.	none	-	as		< 600 yrs	Cerro Grande ash in horizon; pumice gravel
Bw	10-22	20	10YR4/4	10YR3/ 4	sl	1-2msbk	so	so,p o	n.o.	none	-	a w			
2Btb1	22-32	40	7.5YR4/3	7.5YR3 /3	sl	1msbk-m	so-lo	ss,p o	3nco (on clasts)	none	-	c w		1.2 - 1.6 Ma	extensively bioturbated; colloidal stains common on pumice clasts
2Coxb1	32+	80-90	7.5YR6/2	7.5YR5 /2	s	m	lo	so,p o	n.o.	none	-	-			Qct(?) pumice deposit
LA 85859-7, Rendija Canyon Land Transfer Parcel, 18 m pt. on topographic profile (June 20, 2003)													**8585 9-7**		**Aspect: ESE-facing hillslope**
A	0-10	30-40	10YR4/3	10YR3/ 3	sl	m	lo	so,p o	n.o.	none	-	as		< 600 yrs	
Bw	10-23	20-30	10YR4/4	10YR3/ 4	sc l	1-2msbk	so	ss,p s	n.o./1n cobr	none	-	as			argillans on some peds reworked from lower horizons by bioturbation (?) (sparse)
2Btb1	23-41	70	7.5YR4/4	7.5YR3 /4	sl	m	lo	ss,p o	2nco	e	-	cs		ca. 6.7-7.4 ka	extensively bioturbated; colloidal stains common on pumice clasts
2Coxb1	41+	90	7.5YR6/3	7.5YR4 /3	s	m	lo	so,p o	n.o.	es	I	-		1.2 - 1.6 Ma	Qct(?) pumice bed, thin discontinuous CaCO3 coatings on clasts
LA 85859-8, Rendija Canyon Land Transfer Parcel, 64 m pt on profile, lower slope (June 20, 2003)													**8585 9-8**		**Aspect: ESE-facing hillslope**
AC	0-4	30	10YR3/3	10YR3/ 2	sl	sg	lo	so,p o	n.o.	none	-	cs		< 600 yrs	includes Cerro Grande burn layer; pumice gravel
Bw	4-13	20	10YR4/4	10YR3/	sil	1msbk	so	so,p	1nco	none	-	as			argillans possibly reworked

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon	Profile #	Preliminary Age Estimate (years BP)	Notes
				4				o							
Bt1b1	13-28	40-50	7.5YR4/5	7.5YR4/4	sc	2fsbk	so-sh	s,p	2ncopobr	none	-	cs		ca. 6.7-7.4 ka	clasts pumice + dacite (1 large)
Bt2b1	28-38	40-50	7.5YR5/6	7.5YR4/6	scl	2fabk	sh	ss,ps	3ncopobr	none	-	cs			colluvium or Qct soil?
2Bwmb2	38-60+	30-40	7.5YR6/4	7.5YR4/6	sl	3m-cabk	h	so,po	n.o.	e	-			1.2 - 1.6 Ma	Qct soil? Silica cement?, well cemented, CaCO3 filaments on some clasts
LA 99396-1, Archaic (?) site, lithic scatter, 95N/113E; north wall (October 1, 2003)													**99396-1**		
A	0-10	5	10YR4/4	10YR3/4	sl	1-2msbk	so	so,po	n.o.	none	-	as		< 1000 yrs	late Holocene eolian deposit + gravel lag following erosion
Bt1b1	10-19	<2	6.25YR4/3	6.25YR3/3	sic	3mpr } abk	sh-h	s,p	4n-mkpobrpf	none	-	cs		Late Pleisto-cene?	prismatic structure breaking to abk
Bt2b1	19-27	<2	7.5YR4/4	7.5YR3/3	sic	2msbk	h	ss,p	2-3npobrpf	e	-	cs			
Bk1b1	27-40	10-20	8.75YR5/3	8.75YR4/3	sl	2msbk	sh-h	so,ps	n.o.	ev	II	cs			very abundant filaments
Bk2b1	40-56+	10-20	8.75YR5/3	8.75YR3/3	sl	2m-csbk	h	so,po	n.o.	es	I	-			filaments; irregular surface on weathered Qct soil exposed on other walls
LA 99396-2, Archaic (?) site, lithic scatter, S. slope of Qc/Qct or Qbog ridge; 84N/113E; north wall (October 16, 2003)													**99396-2**		
A	0-10	2-5	8.75YR4/4	8.75YR3/4	sl	1-2fsbk	so	so,po	n.o.	none	-	as		Late Holo-cene (<1000 yrs?)	late Holocene Qc (+/- Qe), derived from reworking older soils up slope?

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon	Profile #	Preliminary Age Estimate (years BP)	Notes
Bwb1	10-23	2-5	7.5YR4/4	7.5YR3/4	scl	2msbk	sh-h	ss,ps	n.o.	none	-	as		Late Holocene (1-2 ka)	verging on Btj?; 14C sample LA 99396-c3 collected from @ 22 cm, 84.7N, 114E
Bkb1	23-35+	<5	7.5YR5/3	7.5YR4/3	sl	2mabk	h	so,ps	n.o.	e	l	-			discontinuous CaCO3 coatings on ped faces
LA 99396-3, Archaic (?) site, lithic scatter, 80N/127E; farther down south slope, eroded area (October 16, 2003)													**99396-3**		
A	0-13	5	8.75YR5/4	8.75YR3/4	ls	1msbk	so-lo	so,po	n.o.	none	-	cs		Late Holocene (< 1000 yrs?)	late holocene slope wash (Qc)
Bw	13-23	20-30	7.5YR5/4	7.5YR4/4	ls	2msbk	so-sh	so,po	n.o.	none	-	vas			Holocene Qc
R	23-36+	-	7.5YR7/2.5									-		1.2 - 1.6 Ma	Qct pumice or Qbog
LA 99396-4, Archaic (?) site, lithic scatter, 109N/123E; North wall, slightly north of low ridgecrest (October 16 and November 6, 2003)													**99396-4**		
A	0-10	<2	10YR5/3	10YR4/3	sil	1msbk	so	so,ps	n.o.	none	-	cs		Late Holocene (<1000 yrs?)	eolian
Bt1b1	10-25	<2	8.75YR4/3	8.75YR3/3	sicl	2fsbk	sh-h	ss,p	1nbrco	none	-	cs		Late Pleistocene	8.75YR color
Bt2b1	25-43	<2	7.5YR4/3	7.5YR3/3	sicl	2msbk	h	s,p	2-3nbrpf	none	-	aw			
Bkb1	43-84	<2	7.5YR5/3	7.5YR3/3	sil	2mpr } 2m-csbk	h	so,ps	n.o.	es	II-	cw			
Btkb1	84-123	<2	8.75YR5/3	8.75YR3/3	sil	2csbk	h	so,ps	1nbr	es	-	cs		33.66 ka	some subordinate f-mpr structure; CaCO3 in fine matrix, no filaments

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon	Profile #	Preliminary Age Estimate (years BP)	Notes
2Btb2	123-143+	50	7.5YR4/4	7.5YR3/4	scl	2msbk	h	ss,ps	2mkpobr	none	-	-		1.2 - 1.6 Ma	Qct or Qbog pumice gravel, abundant quartz crystals
LA 99396-5, Inside one-room structure, above occupation surface, 102N, 125E = upper horizon, 102N, 126E = lower horizon (November 4, 2003)													**99396-5**		
A	0-10	2-5	10YR5/4	10YR3/4	sl	1-2fsbk	so	so,po	n.o.	none	-	-		< 1000 yrs	very fine sandy loam
Bw	10-29+	2-5	10YR5/4	10YR3/4	sl	2msbk	sh	so,po	n.o.	none	-	-			
LA 99396-6, Archaic (?) site, lithic scatter, S. slope of Qc/Qct or Qbog ridge; 82N/115E (October 16, 2003)													**99396-6**		
A	0-8													Late Holocene (<1000 yrs?)	
Btb1	8-15								3ncopobrpf					Late Pleistocene?	
Btkb1	15-23+														
LA 99397-1, Archaic (?) site, lithic scatter, 100N/100.4E (August 25, 2003); Btkb1 described @ 99.8N/98E, on November 17, 2003													**99397-1**		
A or Av	0-5	20-25	10YR5/3	10YR3/3	ls	1msbk-pl-sg	so-lo	so,po	n.o.	none	-	as		Late Holocene (<600 yrs?)	contains vesicular peds
Bw	5-11	5	10YR5/3	10YR3/3	ls	2msbk	so	so,po	n.o.	none	-	aw			
Bt1b1	11-34	<2	7.5YR4/3	7.5YR3/3	sic	2mpr} 2-3msbk	h	s,p	3mkcopobr	none	-	cs		Late Pleistocene to	2pr breaking to 2-3msbk
Bt2b1	34-54	<2	7.5YR4/4	7.5YR3	si	2msbk	h	s,p	2npobr	none	-	c			

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon	Profile #	Preliminary Age Estimate (years BP)	Notes
				/3	c							w		early Holo-cene	
Btkb1	54-93+	5	7.5YR5/3	7.5YR4/3	sl	2cabk	h	so,ps	1npo	es	II-	-			generally continuous CaCO3 ped face coatings, plus filaments; very rare clay films
LA 99397-2, Archaic (?) site, lithic scatter below fieldhouse, 75N/95E (SW corner); thin Qc over Qct? (September 3, 2003)													**9939 7-2**		
A	0-4	30-40	10YR5/3	10YR3/3	ls	1msbk	so-lo	so,po	n.o.	none	-	cs		Late Holo-cene (<600 yrs?)	Young gravelly colluvium, pebbles to small boulders; few artifacts
Bw	4-11	50	10YR5/3	10YR3/3	sl	1-2msbk	so	ss,ps	n.o.	none	-	aw			Young gravelly colluvium, pebbles to small boulders; few artifacts
Btb1	11-18+	10-20	7.5YR4/4	10YR3/3	sc	2msbk	h	s,p	2-3mkcopobr	none	-	-		Late Pleisto-cene to early Holo-cene	Gravel mostly finer than above; no artifacts
LA 99397-3, Archaic (?) site, lithic scatter, 117.1N/67.3E; 5-10 m N of ridgecrest, no artifacts (September 3, 2003)													**9939 7-3**		
AC	0-4	20	10YR3/2	10YR2/1	ls	sg	lo	so,po	n.o.	none	-	vas		Late Holo-cene (<1000 yrs?)	post Cerro Grande fire deposit; pumice + abundant charcoal
A	4-14	10-20	10YR5/2	10YR3/2	ls	1msbk	so	so,po	n.o.	none	-	cs			possible rubification on undersides of clasts
Bw	14-24	30-40	10YR5/3	10YR4/3	s	1msbk	so-lo	so,po	n.o.	none	-	aw			
R	24+		7YR6/6											1.2 - 1.6 Ma	Qct, fine gravel, cemented granules

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon	Profile #	Preliminary Age Estimate (years BP)	Notes
LA 99397-4, 85N/63E; On ridge crest, 7 m W of fieldhouse, young eolian over bioturbated Qct + eolian w/old soil (September 3, 2003)													**99397-4**		
Av?	0-6	10-20	10YR6/2	10YR3/3	sl	1msbk	so-lo	so,po	n.o.	none	-	vas		< 600 yrs	discontinuous gravel cap, primarily at surface, with vesicular peds; rubification on some clasts
Btb1	6-20+	5-10	5YR4/4	5YR4/3	sc	2-3msbk	h	s,p	3-4mkcopobrpf	none	-	-		Pleisto-cene; 100-200 ka?	parent material inferred to be bioturbated Qct + eolian fines; color from ped interiors
LA 99397-5, Gully to northeast of site, west wall, thick Holocene Qc (September 10, 2003)													**99397-5**		
A	0-9	10	10YR5/3	10YR3/3	sl	m	lo	so,po	n.o.	none	-	as		Mid to Late Holo-cene?	moist
Bw1	9-49	5	10YR4/4	10YR3/4	sl	2msbk	sh	so,ps	n.o.	none	-	gs			cicada burrows are hard
Bw2	49-120	10	10YR4/4	10YR3/3	ls	1csbk	so	so,po	n.o.	none	-	gs			fine gravel
BC	120-162	10-20	10YR4/3	10YR3/3	sl	1msbk-m	so	so,po	n.o.	none	-	gs			colluvium
Bkb1	162-182	<5	10YR5/4	10YR3/3	ls	2m-csbk	h	ss,ps	n.o.	e	I-	as		Mid Holo-cene?	some sparse CaCO3 on ped faces, some filaments possible clay films?
Btkb1 or b2?	182-222+	<5	8.75YR5/4	8.75YR 4/4	sil	2-3msbk	h	ss,ps	1-2npobr	e	I-			Late Pleisto-cene to early Holo-cene?	late Pleistocene (?) or early Holocene Qc
LA 99397-6, Archaic (?) site, lithic scatter, 100N/106E; burned stump location (September 11, 2003)													**99397-6**		

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon	Profile #	Preliminary Age Estimate (years BP)	Notes
A	0-4	20-30	10YR5/3	10YR3/3	ls	1-2fsbk	so	so,po	n.o.	none	-	as		< 1000 yrs	areas with vesicular A
Bw	4-9	5-10	10YR5/3	10YR3/3	sl	1-2msbk	so	so,ps	n.o.	none	-	as			
Btb1	9-23+	<2	7.5YR4/4	7.5YR4/3	sic	2-3msbk	h	s,p	3npobrpf	none	-	-		Late Pleisto-cene to early Holo-cene	
LA 99397-7, Archaic (?) site, lithic scatter, 98N/129E; swale fill deposit(?) (October 1, 2003)													**99397-7**		
A	0-7	<5	10YR4/3	10YR3/2	l	1fsbk	so-lo	so,po	n.o.	none	-	cs		Late Holo-cene (<600 yrs?)	young colluvium
Bw	7-21	20-30	10YR4/3	10YR3/3	ls	1-2msbk	so	so,po	n.o.	none	-	aw			contains obsidian flakes, siltan coatings on flakes, highest % in section
Bwb1	21-38	10-20	10YR4/3	10YR3/3	sil	2fsbk	sh-h	ss,ps	n.o.	none	-	aw		Late Holo-cene (1-2 ka)	slightly reddened horizon; abruptness of contact suggests buried soil; no artifacts in this horizon
Bwb2	38-60+	<2	10YR4/3	10YR3/2	sil	2msbk	h	ss,ps	n.o.	none	-	-		Mid to Late Holo-cene	bioturbated at upper boundary
LA 99397-8, Archaic (?) site, lithic scatter, 102N/131.3E; backhoe pit (November 6, 2003)													**99397-8**		
A	0-7	5	10YR4/4	10YR3/4	sl	1mgr-m	so-lo	so,po	n.o.	none	-	as		Late Holo-cene	Qc
Bw	7-23	30	10YR4/3	10YR3/	sl	2msbk	so-	so,p	n.o.	none	-	cs			gravel lag; b1?

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon	Profile #	Preliminary Age Estimate (years BP)	Notes
				3			sh	o						(<600 yrs?)	
Bt1b1	23-48	<2	7.5YR4/3	7.5YR3/3	csi	2-3mabk	h	ss,ps	2nbrpfpo	none	-	gs		Early Holo-cene?	some subordinate fpr structure
Bt2b1	48-70	5	7.5YR5/4	7.5YR4/3	csi	2csbk	h	ss,ps	1nbr	none	-	cw			discontinuous CaCO3 coatings on sparse gravel; matrix does not effervesce
Btk1b1	70-105	2	7.5YR5.5/3	7.5YR4/3	sicl	2f-mpr	h	ss,ps	1brpo	ev	II-	cw			CaCO3 filaments and discontinuous coatings on ped faces
Btk2b1	105-127+	2	8.75YR4/3	8.75YR 3/3	sl	2csbk	h	so,ps	1-2nbrpo	e-	I-	-			b2? Suggested by increase in argillans ; eff weakly on ped faces, matrix non-eff; few filaments on ped faces

Table L.8. Summary of soil morphology at TA-74 South tract cultural sites (described by Paul Drakos and Steven Reneau).

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate	Notes
LA-21592, Bayo Canyon, Otowi grid gardens (TA-74) (July 12, 2002)													**21592-1**		
C	0-8	5	10Y R5/3	10YR4/2	sil	m	lo	so po	no	none	-	as		historic	vfs-si, no rocks
CBwb1	0-20	10-20	10Y R4/3	10YR3/3	sl	m-1msbk	so-lo	so po	no	none	-	?		post-Puebloan	rocks, micaceous potsherd
	20+														better soil structure
LA-21596 b, TA-74, Pueblo Canyon, inside grid garden, Test Pit # 1, N. side of alignment, artifacts abundant, 0-30 cm, artifacts present but less abundant, 30-50 cm; colluvium															
(Nov. 7, 2002 and Jan. 15, 2003)													**21596-1**		
A	0-5	20-30	10Y R4/3	10YR3/3	ls	m-1msbk	so-lo	so,po	n.o.	none	-	cs		<< 650 yrs	vfs; rock alignment layer
Bw1	5-22	20-30	10Y R5/3	10YR3/3	ls	1msbk	so	so,po	n.o.	none	-			< 650 yrs	fs-vfs; grid garden built on young Qc, late feature relative to occupation. Artifacts abundant 0-30 cm, artifacts present but less abundant, 30-50 cm
Bw2	22-50+	20-30	10Y R5/3	10YR3/3	sl	1-2msbk	so	so,po	n.o.	none	-				
LA-21596 b, TA-74, Pueblo Canyon, S. side of alignment, possibly inside grid; colluvium (Jan. 15, 2003)													**21596-2**		
A	0-6	10-20	10Y R4/3	10YR3/3	ls	m (?)	so-lo?	so,po	n.o.	none	-	as		<< 650 yrs	Qc, frozen; rock alignment layer
Bw1	6-27+	10-20	10Y R4/3	10YR3/3	s	1msbk	so-lo	so,po	n.o.	none	-			< 650 yrs	possibly inside grid
LA-21596c1, TA-74, Pueblo Canyon grid garden, Test Pit #1, shards to bottom of hole; N. of prominent rock alignment, similar soil across alignment to S (Nov. 7, 2002 and Jan. 15, 2003)															
A	0-4	30-40		10YR2/2	sl	1 msbk	so-lo	ss,ps	n.o.	none	-	as	**21596-3**	<< 650 yrs	organic rich, vfs; rock alignment layer

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate	Notes
Bw1	4-15	30-40		10YR3/2	sl	1 msbk	so-lo	ss,ps	n.o.	none	-	gs		< 650 yrs	fs-vfs
Bw2	15-50+	30-40		10YR3/3	ls	1 msbk	so-lo	ss,ps	n.o.	none	-	-			rocks, larger than above but fewer
LA- 21596c, TA-74, Pueblo Canyon, Test Pit #2, colluvial slope outside grid garden alignments (Nov. 7, 2002)													**21596-4**		
AC	0-12	30-40		8.75YR 4/2	ls	m-1sbk	lo	so,po	n.o.	none	-	gs		<< 650 yrs	young colluvium, ms-cs
														< 650 yrs	
C	12-34+	40-50		8.75YR 4/2	ls	m	lo	so,po	n.o.	none	-	-			colluvium
LA-86528, TA-74, Pueblo Canyon "rock shelter", Shovel Test Pit #1, edge of overhang (Jan.15,2003)													**86528-1**		
AC	0-5	5-10	10YR2/2	10YR3/3, upper 2-3 cm / 10YR2/1	sl	m	lo	so,po	n.o.	none	-	as		< 500 yrs ?	2-3 cm thick charcoal lens at base
Bwb1	5-21	10	7.5YR5/3	7.5YR4/3	sl	1 msbk	so-lo	so,po	n.o.	none	-	ai		late Holocene	late Holocene
Btb2	21-40+	40	7.5YR4/6	7.5YR4/4	scl	2 msbk	so-sh	ss,ps	1npobr	none	-	-		late Pleisto-cene	older, Pleistocene (?) colluvium
LA-86528, TA-74, Pueblo Canyon "rock shelter", Shovel Test Pit #2, outside overhang (Jan. 15,2003)													**86528-2**		
AC	0-10	-	-	-	-	-	-	-	-	-	-	-		< 500 yrs?	young Qc
Btb1	10-31+	-	-	-	-	-	-	-	-	-	-	-		late Pleisto-cene	older Qc, Pleistocene
LA-86528, TA-74, Pueblo Canyon "rock shelter", Shovel Test Pit #3, under rock, downslope wall (Jan.15,2003)													**86528-3**		

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate	Notes
C	0-3	10	10Y R5/3	10YR3/3	sl	sg	lo	so,po	n.o.	none	-	as		< 500 yrs	loose Qc, +/- eolian; < 100 yrs?
Ab1	3-10	5-10	10Y R5/3	10YR3/3	sl	1-2 msbk	so	so,ps	n.o.	none	-	cs		late Holocene	
Bwb1	10-20	20	7.5Y R4/3	7.5YR5/4	scl	1-2 msbk	so	ss,ps	n.o.	none	-	cs			
Btb2	20-30+	40-50	7.5Y R5/4	7.5YR4/4	scl	2msbk	sh-h	ss,ps	1npobr	none	-	-		late Pleisto-cene	Pleistocene colluvium(?)
LA-86531, TA-74, Pueblo Canyon, ridge (middle(?) Pleistocene eroded terrace), Test Pit #1 (Jan.15, 2002); soil moist/partially frozen													**86531-1**		
C	0-3	20-30	-	7.5YR4/3	scl	m	lo	s,p	n.o.	e-	-	aw		< 100 yrs?	recent slopewash
A b1	3-10	20-30	-	7.5YR3/3	scl	m or 1msbk		ss,p	n.o.	none	-	as		< 2k	moist, minor charcoal
Btb2	10-22	20-30	-	5YR4/3	sc	2msbk	sh or h?	s,p	2-3npobrco	none	-	ai		middle - late Pleisto-cene	moist
R	22+	-	-	-	-	-	-	-	-	-	-	-		-	tuff boulders
LA-86531, TA-74, Pueblo Canyon ridge (middle(?) Pleistocene eroded terrace), soil moist/partially frozen Test Pit #2 (Jan.15, 2002)													**86531-2**		
C	0-3	20-30	-	10YR 3/3	sl	m	lo	so,ps	n.o.	none	-	ai		< 100 yrs?	recent slopewash
Ab1	3-14	20	-	10YR3/2	scl	m	lo	ss,ps	n.o.	e-es	-	vai		< 500 yrs?	with charcoal, buried horizon
R	14+	-	-	-	-	-	-	-	-	-	-	-		-	tuff boulder
Thin Bk horizon below Ab1, above R, observed in adjacent Test Pit #3													**86531-2add**		
Bk?	12 - +/- 15?	<1	7.5Y R6/4 to	-	sil	-	h	-	-	ev (surface) e	?	-		Pleisto-cene	compacted silt (eolian deposit?) with CaCO3 precipitating on top of

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate	Notes
			10Y R6/4							(inter-ior)					silt
LA-110121, TA-74, artifact scatter, thin soils over Guaje Pumice Bed (Jan. 22, 2003)													**11012 1-1**		
A	0-11	60-70	10Y R5/4	10YR3/4	scl	2msbk?	sh?	ss,ps	lnco	none	-	cs		500 to 2000 yrs?	moist
Bw	11-19	>90	10Y R5/4	10YR4/4	s	m	lo	so,po	n.o.	none	-	cw			Qbog w/translocated fines + staining on pumice clasts
C	19+	>90	7.5Y R5/6	-	-	-	-	-	-	-	-	-		-	Qbvg
LA-110126, TA-74, eroded fieldhouse, N. facing colluvial slope, (Nov. 7, 2002)													**11012 6-1**		
A	0-13	<5		7.5YR4/3	sl	m-1msbk	so-lo	ss,ps	n.o.	none	-	cw		< 650 yrs	moist
Bw	13-29	5-10	7.5Y R5/4	7.5YR4/3	sl	1-2msbk	so-lo	ss,ps	n.o.	none	-	cs			tuff clasts, inside room
Btkb1	29-38+	<2	7.5Y R5/4	7.5YR4/4	cl	3fsbk	sh	s,p	3npfpobr	e-	I-	-		late Pleisto-cene	very thin carbonate filaments, matrix does not fizz
LA-110130, TA-74, "fieldhouse", N. edge of eroded, gently East-sloping terrace, (Jan. 22, 2003)													**11013 0-1**		
A	0-5	5	-	10YR3/3	sl	m	lo	so,po	n.o.	none	-	cs		< 650 yrs ?	moist
Bw	5-17	10	-	7.5YR3/3	scl	1-2 msbk?	so-sh?	so,po	n.o.	none	-	cw			partially frozen, reworked older soil?, below foundation rocks?
Btbl	17-24+	40-50	-	5YR4/4	scl	1 fsbk	so-lo	ss,ps	l n co	none	-	-		late Pleisto-cene?	moist, stripped/eroded Pleistocene soil?, coarser sand than Bw

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate	Notes
LA-110133, TA-74, Pit #1 (Jan.13, 2003)													**11013 3-1**		
AC	0-16	2-5	10Y R5/4	10YR3/ 4	ls	m	lo	so,p o	n.o.	none	-	gs		< 100 yrs?	partially frozen
CBb 1	16-94+	10	7.5Y R5/4	7.5YR4 /3	sl	1msb k	so-lo	so,p o	n.o.	none	-			< 500 yrs	young colluvium, artifacts @ 30 and 50 cm
LA-110133, TA-74, Pit #2, Qc, South Side of Pueblo Canyon, Light Scatter of Ceramics and Lithics (Jan.13, 2003)													**11013 3-2**		
AC	0-19	2-5	10Y R5/4	10YR4/ 4	s	m	lo	so,p o	n.o.	none	-	gs		< 100 yrs?	young colluvium, sparse artifacts
CB	19-70	10	7.5Y R5/4	7.5YR4 /4	sl	1msb k	so-lo	so,p o	n.o.	none	-	cs		< 500 yrs	young colluvium
Bq? b2	70-80+	5	7.5Y R6/4	7.5YR5 /4	sl	2-3 msbk	h	so,p o	n.o.	none	-	-		?	silica cement?
LA-117883, TA-74, Pit #1, Pueblo Canyon, Hamilton Bend, artifacts scattered throughout Qc (Jan.13, 2003)													**11788 3-1**		
AC	0-9	5-10	10Y R4/3	10YR3/ 3	s	m	lo	so,p o	n.o.	none	-	gs		< 500 yrs	colluvium + lithics
C	9-37	10-20	10Y R5/3	10YR4/ 3	s	m	lo	so,p o	n.o.	none	-	cs			colluvium + lithics
Bwb 1	37-55	20	10Y R5/3	10YR4/ 3	s	1m-csbk	so	so,p o	n.o.	none	-	cw		<1000 - 2000 yrs	colluvium + lithics
II C	55-71+	50-70	10Y R5/3	10YR4/ 3	s	m-sg	lo	so,p o	n.o.	none	-	-		500-2000 yrs (see McDon-ald et al., 1996, Qt8 soil)	terrace gravel with sandy matrix
LA-117883, TA-74, Pit #2, Pueblo Canyon, Hamilton Bend (Jan.13, 2003)													**11788 3-2**		
AC	0-15	20	10Y R4/2	10YR2/ 2	s	m	lo	so,p o	n.o.	none	-	gs		< 500 yrs	colluvium + lithics
C	15-40	20	10Y	10YR2/	s	m	lo	so,p	n.o.	none	-	gs			colluvium + lithics

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Profile #	Preliminary Age Estimate	Notes
			R4/3	2				o							
BCb 1	40-101	20	10Y R5/3	10YR2/2	s	1 msbk-m	so-lo	so,po	n.o.	none	-	aw		< 1000 yrs	colluvium + lithics
II BKb 2	101-106+	<5	10Y R5/3	10YR4/3	ls	3 c p l	h	so,po	1 n po	ev	1+	-		late Pleisto-cene to early Holocene	cemented alluvium

Table L.9. Summary of soil morphology at White Rock Y tract cultural sites (described by Paul Drakos and Steven Reneau).

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Preliminary Age Estimate	Notes
White Rock Y: test pits (October 7, 2002)														
LA-61034; shovel test #2, location 105N/190E, N-facing colluvial slope on Holocene terrace, Qc/Qt, possibly late Holocene Qc overlying stripped gravels surface														
A	0-6	5-10	10YR5/3	10YR4/3	sil	1msbk	so-lo	so, po	n.o.	none	-	cs	Puebloan or post-Puebloan Qc ?	colluvium, incl. ceramics + lithics
Bw	6-14	5	10YR5/4	10YR4/3	scl	2msbk	so	so, ps	n.o.	none	-	as		colluvium, incl. ceramics + lithics
Btj1(b1?)	14-30	10-15	7.5YR5/4	7.5YR4/3	scl	2msbk	sh-h	ss, ps	lnpobr	none	-	cw	Archaic Qc?	colluvium + lithics
Btj2(b1?)	30-40	10-15	7.5YR5/4	7.5YR4/3	scl	2msbk	so-sh	ss, ps	lnpo	none	-	cw		colluvium + lithics; cicada burrows form hard peds
IIBC(b2?)	40-58+	60-70	7.5YR5/3	7.5YR4/3	scl	1-2msbk	so-sh	ss, ps	n.o.	none	-	-	Holocene Qal	rounded gravels with fines matrix from Qc; few lithics; clasts from below bottom of pit have continuous $CaCO_3$ coatings on underside of clasts (Stage I

Horizon	Depth (cm)	Gravel (%)	Dry Color (Matrix)	Moist Color (Matrix)	Texture	Structure	Dry Consistence	Wet Consistence	Argillans	$CaCO_3$	$CaCO_3$ Stage	Lower Horizon Boundary	Preliminary Age Estimate	Notes
														$CaCO_3$)
LA-61035; test pit #1, location 95N/125E, N-facing colluvial slope on Holocene terrace, Qc/Qt, Stage I CaCO3 in gravels under Qc														
A	0-12	10-20	10YR4/3	10YR3/3	ls	1msbk	so	so, po	n.o.	none	-	gs	Puebloan or post-Puebloan Qc	colluvium, incl. ceramics + lithics
Bw	12-45	20-30	10YR5/3	10YR4/3	ls	2msbk	so	so, po	n.o.	none	-	gs		colluvium, incl. ceramics + lithics
C	45-140+	10	10YR5/4	10YR4/4	ls	m	lo	so, po	n.o.	none	-	-	Archaic Qc?	colluvium with filled cicada burrows; incl. lithics only; Qal gravel from below bottom of pit have continuous CaCO3 coatings on underside of clasts (Stage I $CaCO_3$)

APPENDIX M
RADIOCARBON DATES AND AGE CALIBRATIONS

Table M.1. Calibrated radiocarbon dates from samples used for reference soil stratigraphic descriptions in geoarchaeology investigation; calibrations conducted with CALIB 5.01.

Field Number	Laboratory Number	14-C Date (yr BP)	14-C Date Corrected for delta-13C	Median Calibrated Age (yr BP)	1-sigma Calibrated Age Range (yr BP)	2-sigma Calibrated Age Range (yr BP)	Notes
Fence Canyon							
FC-9	Beta-113041	4380±50		4,953	4866–5034	4844–5268	0.45 m deep, pumice-rich non-stratified colluvium
FC-6	Beta-93925	4500±50		5,158	50525–287	4976–5310	0.65 m deep, colluvium, possible shallow channel fill
WR-44	Beta-75307	4660±50		5,405	5317–5465	5300–5579	Archaic hearth, 0.8-0.9 m deep below colluvium
FC-2	Beta-84489	6220±50		7,117	7021–7243	6996–7257	1.3 m deep, colluvium
FC-1	Beta-84488	7780±50		8,556	8463–8603	8428–8641	2.5 m deep, colluvium
FC-8	Beta-113040	7890±50		8,711	8597–8845	8588–8978	2.8 m deep, upper part of buried soil
FC-4	Beta-93924	12,330±70		14,281	14083–14435	14014–14718	3.5 m deep, colluvium, lower part of buried soil
FC-9 + FC-6		4440±35		5,046	4967–5267	4877–5281	samples statistically the same at 95% level; combined
FC-1 + FC-8		7835±35		8,612	8560–8641	8543–8721	samples statistically the same at 95% level; combined
EG&G Gully							
WR-9	Beta-55626 *	4020±80	4040±82	4,543	4418–4796	4297–4824	0.78-0.86 m deep; burn layer

Field Number	Laboratory Number	14-C Date (yr BP)	14-C Date Corrected for delta-13C	Median Calibrated Age (yr BP)	1-sigma Calibrated Age Range (yr BP)	2-sigma Calibrated Age Range (yr BP)	Notes
WR-1	Beta-55622 *	8050±130	8070±131	8,966	8720–9190	8596–9397	2.45-2.5 m deep; coarse sediments below buried soil
WR-5	Beta-59677 *	7875±85	7895 ± 87	8,745	8594–8971	8540–9002	3.55 m deep; 0.6+m above base
WR-1 & WR-5		7949±72		8,810	8656–8977	8607–8997	samples statistically the same at 95% level; combined

*Radiocarbon date was not corrected for d13C; for calibration, the d13C value was assumed to be -23.8±1.2 o/oo based on d13C values of 107 samples collected from the Pajarito Plateau.

Table M.2. Radiocarbon dates from Land Transfer parcels; calibrations conducted with CALIB 5.01.

Radiocarbon Lab Sample Number	ENV-ECO Sample Number	Field Sample Number	Location	Depth	Notes	Conventional Radiocarbon Age (^{14}C yr B.P.)	Calibrated Age, Median Probability (cal yr BP or AD) *	1-Sigma Calibrated ^{14}C Age Range (cal yr BP or AD)	2-Sigma Calibrated ^{14}C Age Range (cal yr BP or AD)
LA-85403									
Beta-215549	85403-53	-	103N/102E		Collected by ENV-ECO; maize; prehistoric pit fill	310±40	AD 1564	AD 1516–1644	AD 1472–1653
LA-85404									
Beta-215550	85404-68	-	104N/102E		Collected by ENV-ECO; maize; around floor level of room	400±40	AD 1490	AD 1442–1616	AD 1432–1632
LA-86605									
Beta-215551	86605-77	-	103N/103E		Collected by ENV-ECO; maize; possible living surface	360±40	AD 1542	AD 1464–1628	AD 1450–1635
LA-87430									
Beta-215552*	87430-139	-	105N/102E		Collected by ENV-ECO; maize; ash deposit surrounding hearth	370±40	AD 1525	AD 1453–1582	AD 1446–1635
Beta-215553*	87430-173	-	105N/103E		Collected by ENV-ECO; maize; ash deposit surrounding	390±40	AD 1503	AD 1445–1617	AD 1437–1634

Radiocarbon Lab Sample Number	ENV-ECO Sample Number	Field Sample Number	Location	Depth	Notes	Conventional Radiocarbon Age (^{14}C yr B.P.)	Calibrated Age, Median Probability (cal yr BP or AD) *	1-Sigma Calibrated ^{14}C Age Range (cal yr BP or AD)	2-Sigma Calibrated ^{14}C Age Range (cal yr BP or AD)
					hearth				
previous 2 samples statistically indistinguishable, allowing summing of probabilities and refinement of age estimate						*380±28*	*AD 1500*	*AD 1451–1616*	*AD 1445–1631*
LA 85859									
Beta-183757	85859-225	-	90N/109E	~37 cm below ground sfc (Btb1?)	Collected by Steve Hoagland	6010±40	6851 BP	6791–6897 BP	6745–6948 BP
Beta-183758	85859-359	85859-c3	90N/14.89E	17 cm below top of Bt1b1	2 charcoal fragments	6310±50	7238 BP	7171–7272 BP	7031–7416 BP
Beta-199370	85959-363	85859-c8	88.5N/113E	26 cm below ground sfc; Bt1b1	single charcoal fragment; good soil structure and relatively high clay content, suggesting good sample site	6140±40	7047 BP	6955–7155 BP	6931–7163 BP
previous 3 samples statistically different, suggesting period of aggradation that included site occupation						*6010–6310*	*6851–7238*	*6791–7272 BP*	*6745–7416 BP*
Beta-183759	85859-360	85859-c6	88.2N 111E	3 cm below top of Bt1b1; 26 cm below ground sfc	single small charcoal fragment; below S-sloping Bw in swale {apparent young charcoal}	570±40	AD 1353	AD 1316–1414 AD	AD 1299–1429
previous sample provides possible age estimate for overlying late Holocene Qc (A-Bw horizons)									

Radiocarbon Lab Sample Number	ENV-ECO Sample Number	Field Sample Number	Location	Depth	Notes	Conventional Radiocarbon Age (^{14}C yr B.P.)	Calibrated Age, Median Probability (cal yr BP or AD) *	1-Sigma Calibrated ^{14}C Age Range (cal yr BP or AD)	2-Sigma Calibrated ^{14}C Age Range (cal yr BP or AD)
LA 99396									
Beta-199376	99396-472				Cultural site; collected by ENV-ECO	810±60	AD 1205	AD 1059–1281	AD 1030–1377
Beta-199377	99396-493				Cultural site; collected by ENV-ECO	860±40	AD 1180	AD 1054–1224	AD 1044–1261
Beta-199378	99396-608				Cultural site; collected by ENV-ECO	890±40	AD 1137	AD 1049–1211	AD 1035–1219
Beta-199379	99396-753				Cultural site; collected by ENV-ECO	930±40	AD 1102	AD 1041–1155	AD 1023–1206
Beta-199380	99396-758				Cultural site; collected by ENV-ECO	870±40	AD 1170	AD 1052–1220	AD 1043–1255
all 5 samples statistically indistinguishable, allowing summing of probabilities and refinement of age estimate						*883±19*	*AD 1168*	*AD 1059–1210*	*AD 1048–1216*
Beta-199381	99396-774	99396-c2	110N/123E	~1.05 m deep (in ped in sieve from soil profile location), in Btkb1	single charcoal fragment, at Profile 4	33,660±320	beyond range of calibration	beyond range of calibration	beyond range of calibration
Beta-199382	99396-775	99396-c3	84.7N/114E	21 cm deep, in Bwb1	single charcoal fragment, near Profile 2 (swale fill?); minimum age for Bwb1 soil?	1000±40	AD 1032	AD 989–1147	AD 975–1155
LA 99397									

Radiocarbon Lab Sample Number	ENV-ECO Sample Number	Field Sample Number	Location	Depth	Notes	Conventional Radiocarbon Age (^{14}C yr B.P.)	Calibrated Age, Median Probability (cal yr BP or AD) *	1-Sigma Calibrated ^{14}C Age Range (cal yr BP or AD)	2-Sigma Calibrated ^{14}C Age Range (cal yr BP or AD)
Beta-199383	99397-211	-	100N/95E	18 cm	collected by ENV-ECO	2110±60	2090 BP	1995–2152 BP	1933–2307 BP
Beta-199384	99397-214	-	91N/100E	5-15 cm	collected by ENV-ECO	2280±40	2263 BP	2183–2347 BP	2157–2352 BP
previous 2 samples similar but statistically different; period of stripped surface that included occupation?						*2110–2380*	*2090–2263 BP*	*1995–2347 BP*	*1933–2352 BP*
Beta-199385	99397-292		98N/129E	26 cm, Bw horizon	collected by ENV-ECO	530±40	1406 AD	AD 1329–1434	AD 1312–1444
Beta-202213	99397-282		100N/106E	12 cm	collected by ENV-ECO; burned stump	880±40	1157 AD	AD 1051–1215	AD 1035–1251
99397-292 + 85859-360 statistically indistinguishable, suggesting same Rendija fire event						*550±28*	*AD 1397*	*AD 1326–1420*	*AD 1314–1432*
LA-127627									
Beta-215554	127627-9	-	103N/104E		Collected by ENV-ECO; maize; top of living surface in room	380±40	AD 1513	AD 1448–1619	AD 1442–1634
Beta-215555	127627-52	-	105N/103E		Collected by ENV-ECO; maize; under rock in room	400±40	AD 1490	AD 1442–1616	AD 1432–1632
previous 2 samples statistically indistinguishable, allowing summing of probabilities and refinement of age estimate						*390±28*	*AD 1486*	*AD 1447–1615*	*AD 1441–1629*
LA-127634									
Beta-215556	127634-105	-	104N/105E		Collected by ENV-ECO; maize; fill from upper part of hearth	350±40	AD 1552	AD 1475–1631	AD 1455–1637

Radiocarbon Lab Sample Number	ENV-ECO Sample Number	Field Sample Number	Location	Depth	Notes	Conventional Radiocarbon Age (^{14}C yr B.P.)	Calibrated Age, Median Probability (cal yr BP or AD) *	1-Sigma Calibrated ^{14}C Age Range (cal yr BP or AD)	2-Sigma Calibrated ^{14}C Age Range (cal yr BP or AD)
Beta-215557	127634-108	-	104N/105E		Collected by ENV-ECO; maize; fill from lower part of hearth	340±40	AD 1556	AD 1487–1633	AD 1462–1642
previous 2 samples statistically indistinguishable, allowing summing of probabilities and refinement of age estimate						*345±28*	*AD 1559*	*AD 1487–1631*	*AD 1466–1636*
LA-127635									
Beta-215558	127635-105	-	106N/100E		Collected by ENV-ECO; maize; fill from lower part of hearth	800±40	AD 1234	AD 1214–1268	AD 1167–1278
Beta-215559	127635-125	-	106N/100E		Collected by ENV-ECO; maize; fill from upper part of hearth	760±40	AD 1255	AD 1227–1279	AD 1189–1294
previous 2 samples statistically indistinguishable, allowing summing of probabilities and refinement of age estimate						*780±28*	*AD 1247*	*AD 1225–1268*	*AD 1215–1278*

*Median probability not recommended as a replacement for cal age ranges or complete probability distribution. but suggested to be a stable estimate of sample calendar age

APPENDIX N
A METAL DETECTION SURVEY OF LA 85864 AND LA 85869, LOS ALAMOS NATIONAL LABORATORY

Charles Haecker

INTRODUCTION

On September 30, 2003, historic archaeologist Charles Haecker conducted a comprehensive metal detector survey of two historic sites, LA 85864 and LA 85869, located on land administered by Los Alamos National Laboratory (LANL). Both sites were initially recorded during a 1991 archaeological survey of the vicinity around Rendija Canyon, as part of the LANL-Bolson Land Exchange archaeology project. At the time of this survey, LA 85864 reportedly consisted of a 5 m-diameter half-circle of tuff cobbles, two sherds, a chalcedony core, and a rhyolite tuff slab with a ground surface. David Hill, the archaeologist who recorded this site, noted that one sherd had a micaceous black paste, whereas the other sherd had a gray paste and tuffaceous temper. Hill noted on the site survey form that LA 85864 was either prehistoric Ancestral Pueblo or a Historic period site of unknown cultural affiliation. Later test excavations at LA 85864 identified the presence of a hearth inside the rock ring, which yielded a radiocarbon date of 130±60 BP (Beta-58428). This indicates that the feature dates to the 18th or 19th centuries.

Hill also recorded LA 85869, located approximately 120 m to the southeast of LA 85864. At the time of its discovery, LA 85869 reportedly consisted of one 4 m-diameter rock ring with an interior hearth, a lithic scatter, and a possible ramada. A concentration of cobbles in association with a mano and metate was situated to the west of the tipi ring. A light scattering of obsidian flakes were found over the surface of the site. Hill did not assign cultural affiliation but suspected that it dated to the "proto-historic" period (ARMS Sites Records; Peterson and Nightengale 1993).

In 2003, LANL archaeologists mapped, surface collected, and subsurface tested the two above-described sites. Three sherds were recovered from testing at LA 85864 but no metallic artifacts were found as a result of metal detecting this site. In contrast, the surface collecting of LA 85869 produced four metallic artifacts and two sherds. In addition, the comprehensive survey of this site prior to testing suggested there may be as many as four semi-permanent structures, consisting of tipis or wickiups and a ramada. Test excavations of LA 85869 in 2003 resulted in the recovery of several more metallic artifacts, as well as three sherds and 156 glass beads within Feature 2, which is a rock ring (see Chapter 42, Volume 2).

JICARILLA APACHE OCCUPATION OF NORTHERN NEW MEXICO

At least seven ethnic groups occupied northern New Mexico at least sporadically from the time of Spanish contact to the late 19th and early 20th centuries: the Utes, the Jicarilla Apache, Navajos, Tewa-speaking Puebloan peoples, the Comanches, the Hispanics, and the Genizaros.

Of these, the Comanches are not likely to have left structural evidence since their presence was in the form of small war parties that did not use structures of any types. The Navajos are reported to have raided throughout the region during 1700s up to the 1860s (Schaafsma 1976), but there is no documentation to suggest the Navajo occupied temporary structures that left rock rings as archaeological evidence of their presence.

Although there are data regarding Ute, Apache, and Plains Indian tipi morphology and size (cf., Adams et al. 2000; Earls et al. 1989; Smith 1974), there are too few consistently recorded attributes that can allow distinctions of ethnicity. The paucity of measurements, the lack of documentation on the subsistence-settlement systems of the group in question, and the difficulty involved in converting ethnographic/historic measurements to measurements on archaeological remains are problems in using ethnographic analogy. While there are enough general data on tipi rings that can be used as a comparative database, there are insufficient data to distinguish ethnicity of rings, and there are insufficient data to distinguish tipi rings from remains of brush structures, which are termed *wickiups*. Nonetheless, it is believed that both sites are the result of Jicarilla Apache occupation. This conclusion is based on what is generally known of the culture history of north-central New Mexico, combined with the significant discoveries of Jicarilla micaceous sherds at LA 85864 and LA 85869.

Prior to European contact, the Jicarilla Apache occupied a territory encompassing much of north-central New Mexico, southern Colorado, and the panhandle of Oklahoma. Historically they acted as itinerant traders and cultural brokers in an ecologically diverse region that linked Puebloan, Southern Plains and Hispanic cultures. These traditional roles changed during the 1800s due to Euro-American encroachment and US government frontier policies. Most of what is currently known about Jicarilla trade and economy comes from written documents that are often biased and incomplete. Little archaeological research has been carried out using Apache materials, and this has led to a critical gap in our understanding of culture contact dynamics along the frontier of New Mexico.

The Jicarilla Apaches occupied the west side of the Rio Grande, including the Jemez Mountains, more intensively and earlier than is commonly thought. The Jicarilla are reported with the Ute in Ute territory (Colorado San Juan Mountains and San Luis Valley) as early as 1818. The east end of the San Luis Valley was occupied even sooner by the Carlanas or Sierra Blancas. According to Thomas (1935), the Jicarillas also regularly traveled to Navajo country during the 18th century. During the 1840s, they were regularly reported to be in the Petaca/Ojo Caliente area and at Abiquiu, the Jicarilla most times in the company of the Utes. Emory (1848) names three of the principal chiefs of the Jicarilla "west of the Del Norte" in 1846. Ethno-historic records indicate that this area was inhabited by several Jicarilla bands by the 1850s, utilizing the mountains and heavily wooded valleys as a refuge during war and raiding campaigns. Hispanic farmers and sheepherders also occupied this area at the same time.

On May 30, 1849, Apaches raided the community of Abiquiu. A company of dragoons lead by Captain John Chapman went into the Jemez Mountains where they encountered these Apaches at the headwaters of the Rio Oso. The band had 40 to 50 lodges and between 200 or 400 members. In 1850, a small band of Jicarillas requested that they be allowed to live west of the Rio Grande, but they were attacked by Hispanics in Ojo Caliente and turned back. This attack was retaliation

for an earlier assault on Ojo Caliente, presumably perpetrated by the Jicarilla. By 1853, Steck and Lane succeeded in moving Chacon's band to the Rio Puerco. However, when he explained this move to his superiors who believed it to be in Navajo or Ute territory, Lane argued that it was claimed by the Jicarilla as hunting grounds, and that he merely moved them farther into their existing range. Most of this information comes from Schroeder, Bender, and the compilations of primary document excerpts submitted on behalf of the government's side of the Land Claims.

The Jicarilla roamed the southern San Juan Mountains as early as the early 1800s and the Jemez Mountains before the 1840s. Just which bands is not clear during this early period, but the Jemez Mountains were the fall, summer, and winter hunting grounds of the Jicarilla bands who occupied the Abiquiu, El Rito, and Petaca districts in the 1870s. These mountains were sacred to them. Schroeder (1974:128) interviewed several Jicarilla as part of his Land Claims research report. Henry L. Vicente stated that the "Jemez Mountains were referred to as a ceremonial mountain." Mooney (1898:208) tells how Killer of the Enemies destroyed two giant bears that lived in the mountains west of Santa Clara, probably the Jemez Mountains. Pedernal Peak also is sacred; it forms the "nipple" of the earth that was fashioned in the form of a human body by Killer of the Enemies before he departed the people.

Severo Jaramillo, also interviewed by Schroeder, stated that the Jicarillas in the Jemez Mountains during the 1870s were the Sand People (Saitinde). Mooney (1928; see also Swanton 1952:371) states that the Saitinde, a Jicarilla band, claimed the vicinity of Española. Although the term "sand people" is thought to refer to the Jicarilla practice of mixing sand into their pottery clay, the term more likely makes reference to the band's traditional homeland. The Great Sand Dunes region in Colorado would be a likely candidate since it encompassed the range of the Sierra Blancas or Carlanas Apaches during 1700s. Sierra Blanca is adjacent to the great Sand Dunes on the east side of the San Luis Valley in Colorado. But the Jicarilla also report camping on the Arkansas at a place called "white sands" (Goddard 1911:245), which probably refers to the north branch of the Arkansas, called "the Big Sandy Fork" on an 1874-dated map.

Some of the Carlanas merged with the Jicarilla while they were all at Taos in the 1730s. Chacon usually traveled north to the Sierra Blanca area when fleeing troops or on hunting parties, and was one of the leaders of the Saitinde or Olleros in the 1850s. The Saitinde may constitute the remnant Carlanas band in part. Prior to occupying the Rio Puerco, Chacon and his band reportedly moved back and forth between Truchas and Anton Chico, where they hunted antelope and buffalo and had very good relations with Mexican settlements. The Saitinde farmed along the Chama, near Abiquiu, El Rito, and La Madera/Ojo Caliente on a more permanent basis starting in the 1850s.

John Mills Baltazar, a Jicarilla Apache who was 74 years old when Schroeder interviewed him in 1953, said he was born near Los Alamos. In his testimony before the Land Claims Commission, Hibben argued that births took place in permanent camps, suggesting that Jicarilla testimony regarding their birthplaces also record the locations of permanent camps. Hibben confirmed these locations with historical documents and archaeological survey. This land was annexed from San Ildefonso Pueblo during World War II. The Jicarillas had good connections with San Ildefonso and likely camped near the vicinity. Those fleeing Mescalero in 1886 sought refuge at San Ildefonso and San Juan Pueblos. Some of these Apaches were the disaffected *Olleros* at

Mescalero, who occupied the Jemez Mountains in previous times. Also, San Ildefonso pottery has been found at the Jicarilla sites in the Rio del Oso Valley (Sunday Eiselt, personal communication, October 2003).

PREVIOUS JICARILLA APACHE ARCHAEOLOGICAL STUDIES

Until recently, it was assumed by the archaeological community in the Desert Southwest that Apache encampments are too difficult to identify, thus generally not worthwhile as a subject of research. The apparent assumption was that the Apaches' fabled minimalist lifeways and a concomitant paucity of material possessions precluded discovery or recognition of their encampments via conventional archaeologist field methods (cf. Gregory 1981:266; Oakes 1996; Schaafsma 1981:299; Sebastian and Larralde 1989:93–94). However, recent work conducted by Adams et al. (2000), Haecker (2002, 2003), and by USFS-Carson Forest Archaeologist David Johnson (personal communications, 2002, 2003) indicate that Apache sites can be identified via predictive modeling as it pertains to specific types of landforms that were favored by Apaches. Furthermore, metal detection surveys in recent years of probable Apache encampment sites identified by such modeling often result in the discovery of an abundance of subsurface Apachean artifacts, as well as the identification of intra-site features such as rock rings, hearths, grinding stations, bedrock mortars, rock-stacked breastworks, and culturally modified trees.

Unfortunately, there is still a general lack of sustained research regarding Jicarilla Apache material culture in New Mexico, although much work has been conducted sporadically in a cultural resource management context (Biella and Wetherbee 1997; Earls et al. 1989; Girard 1988; Hammack 1965; Levine 1984; Levine and Mobley 1974; Levine et al. 1984; Mobley 1978; Schaafsma 1975; Winter 1988). The result is that, while potential Jicarilla Apache sites have been identified, few have attempted to interpret Jicarilla material culture. Isolating and interpreting Apache sites requires an interdisciplinary approach that combines historical documents, ethnographic research, archaeological methodologies that include remote sensing techniques such as metal detecting, and ceramic analytical techniques. According to Sunday Eiselt (personal communication, December 2003), it has been difficult for researchers to develop a holistic context for investigating Jicarilla Apache archaeological sites, and thus there has been little synthetic work in this area since the 1970s.

Much of what is presently known about the Jicarilla Apache archaeological record has been generated by James and Dolores Gunnerson on the Southern Plains and the foothills of New Mexico (Gunnerson 1979). J. Gunnerson described 12 potential Jicarilla encampments that were then compared to the historical materials collected by D. Gunnerson (1974). Two types of micaceous pottery have been identified as a result of this work: *Ocate Micaceous Type*, which dates from AD 1550–1750, and the *Cimarron Type,* dating from AD 1750 to the 1900s. The attributes of these ceramic types are described in detail by Brugge (1984), Franklin (1988), Gunnerson (1969), Gunnerson and Gunnerson (1971), Marshall (1987), and Warren (1976, 1981).

Artifacts and features associated with the Ocate pottery include adobe room blocks and ovoid pit houses, Desert Side-Notched projectile points, clay pipes, bone and shell artifacts, and small slab

metates. Artifacts and features associated with the Cimarron pottery include rock-ring house features with central hearths, debitage, micaceous pipes, and ground stone, but artifacts are not generally abundant. Most of the sites excavated by Gunnerson lay east of the Sangre de Cristos Mountains, representing only half of the Jicarilla territory (Eiselt 1999:4).

The important research conducted by Anschuetz (1993, 1995b) and Eiselt (2001) in the Rio del Oso Valley, west of the town of Española, New Mexico, has renewed interest in the topic of Jicarilla Apache archaeology. Anschuetz recorded 48 rock ring sites that he attributes to the Jicarilla Apache within the Rio del Oso Valley, located approximately 35 km to the northeast of the LANL project area. He notes that the Jicarilla Apache history in the Rio del Oso Valley is the result of their migration from the Sangre de Cristo Mountains Front Range homeland, this due to economic, social, and cultural pressure first exerted by Comanche, then by Hispanic and Anglo-American populations, all of whom were competing for limited resources within the southwestern Plains. By the late 19th century, some Jicarilla Apache families of the Ollero band came to consider the Rio del Oso Valley as their homeland (Anschuetz 2000:3).

Additional work by Eiselt within this valley has refined and expanded upon the findings of Anschuetz. Jicarilla encampments appear to be characterized by between 10 to 15 rock rings with clearly associated 19th century trash and Apache micaceous ceramics. These rock rings often occur as discrete clusters less than 50 m apart. Clusters consist on average of two- to- three closely spaced rings and often associated with possible corrals, garden plots, and water control devices. Metal artifacts such as barrel hoop fragments, buckles, buttons, cone tinklers made from strips of food cans, metal projectile points, and the detritus from making these points, are found associated with Rio del Oso tipi rings (Eiselt 1999:8).

Additionally, Haecker (2003) recovered a similar variety of metal objects during his investigation of late 19th and early 20th century Jicarilla tipi rings on Ghost Ranch, located approximately 60 km to the north of the LANL project area. Significantly, the material culture found at the Ghost Ranch sites indicates occasional Jicarilla occupation of this area perhaps as late as the first decade of the 20th century. Such occupation of the area around Abiquiu by Jicarilla families would have constituted an unauthorized, and thus illegal, leaving of the Jicarilla Reservation.

METAL DETECTION SURVEY OF LA 85864 AND 85869

A metal detection survey of the two sites was deemed appropriate given the likelihood that both sites date to the Historic period. If metallic artifacts were discovered, these artifacts would provide an accurate assessment as to the period of occupation. Also, discovery of surface finds of native-made ceramics, resulting from a close inspection of the ground surface during metal detection, would also provide information regarding the probable ethnicity of the sites' occupants.

Metal detection of the two sites adhered to field methods typically employed by archaeologists who utilize this remote sensing tool. Specifically, at LA 85869, the surveyor traversed a series of overlapping two meter-wide transects. The surveyor, using an overlapping sweeping motion

with the machine coil, ultimately inspected virtually 100 percent of the site area. In addition, an estimated 15 meter-wide buffer around the site boundary was also inspected in this fashion. Once detected, a metal target was then excavated and exposed using a trowel. Objects that were of 20th century manufacture, for example, .22 rifle shell casings, were given to LANL archaeologists to discard off-site. Other objects that were likely or possibly associated with the site were assigned field specimen (FS) numbers and collected by LANL for later processing. Upon completing the survey, LANL archaeologists point-provenienced the artifacts locations and features via a total station established over a site datum.

SURVEY RESULTS

An intensive metal detector sweep of LA 85864 did not result in the discovery of any metallic artifacts. However, at LA 85869, 16 metal artifacts were discovered and collected. In addition, three sherds had been surface collected by LANL archaeologists from this site and prior to the metal detector survey. These artifacts are described as follows.

FS 129: The following describes the results of analysis conducted by Sunday Eiselt, a specialist in Jicarilla Apache ceramics:

The sherd is a body fragment made of primary micaceous clay. The sherd can be grouped with other historic micaceous types that are part of the ill-defined ware category of *Sangre de Cristos Micaceous* (Baugh and Eddy 1987). Without a rim, it is difficult to attribute it to the Apache, but given the character of the site, it probably is [prior to her analysis, Ms. Eiselt was given a general description of the site, including recovered metal artifacts, by Haecker]. There are a few other characteristics of the sherd that suggest an Apache origin:

- The Apache whole vessels dating to the turn of the century that I have analyzed as well as the fragmentary Cimarron ceramics from archaeological sites in the Chama district and elsewhere are relatively thin (4-6 mm). The interior surface is compacted and slightly faceted, indicating that the vessel interior surface is compacted and slightly faceted, indicating that the vessel interior was burnished with a recurved stick or stone or lightly sanded, but not polished to a high luster (unlike most Pueblo ceramics except Picuris).

- Interior surface texture remains rough. The exteriors commonly display scrape marks, and frequently these are smoothed over through the application of a thin mica slurry or wash, probably applied with the hands or with a chamois while the pot was leather hard. The exterior treatment tends to give the sherds a waxy texture, and this may be due to the application of the slurry, which floats small pieces of mica to the surface, but it also could be that the exterior pot was rag polished once dry. This would force larger mica fragments to bend over any rough edges or bumps caused by protruding aplastic inclusions. Relatively large and abundant aplastic inclusions are typical in Apache ceramic pastes. They only removed the aplastics that they could feel with the fingers (as did the Pueblos).

- The pot from which the sherd derives was thin (5.6 mm). It has a lightly burnished/sanded interior that is smudged either through use or during firing (pots were typically fired upside

down). While relatively flat, the interior surface also is rough and compacted. The exterior may contain light corn-cob scrape marks, but aplastic bumps are also present. The exterior surface treatment is nonetheless consistent with Apache finishing practices. The surface is waxy, and aplastic bumps are smoothed over and lightly polished with something soft like leather or bare hands. A mica slurry was applied to the exterior only. The clay is primary micaceous clay of unknown origin although the extremely small size of mica flakes is consistent with U.S. Hill clays. Other inclusions include quartz primarily. Apache pottery techniques, and archaeological sherd description can be found in Opler (1971), and Gunnerson (1969).

- According to Guthe (1925), San Ildefonso produced micaceous pottery on a limited basis. The San Ildefonso potters called micaceous clay "Apache clay." They got the clay from Truchas or Santa Fe Canyon. The finishing techniques described by Guthe indicate the use of a gourd scraper or *kajepe* by San Ildefonso potters. "Finishing touches" are not described very well. A gourd scraper will produce a flat, smooth, and non-undulating vessel surface. No scraper will produce a flat, smooth, and non-undulating vessel surface. No corncob scraper marks will be visible, even if one was used during initial thinning. Apache pots, on the other hand, will almost always contain undulating surfaces because they did not use gourd scrapers. They smoothed vessels with the hands or cloth after scraping. Many Picuris and Taos pots that I have analyzed have been scraped with a gourd scraper, and this is a distinctive practice for Pueblo potters more generally. The exterior of FS 129 does not appear to have been scraped with a gourd. I have not analyzed San Ildefonso micaceous pottery, so I cannot comment any further on potential differences there. Richard Lang describes a type called Tewa Micaceous (1997:250), but this is a very thick micaceous ware that is similar to Vadito Micaceous described by Dick (1965).

An assignment as Apache based on surface treatment and wall construction alone is tentative at best, but taken with other evidence at the site, it is suggestive. If any quartz-muscovite and schist nodules are present on the site, this is very consistent with the mobile production practices of the Apache. The nodules are cleaning debris, and they are frequently associated with rings or can be found at lookout locations. The Jicarilla carried raw clay on horseback and produced pottery in locations distant from the sources.

The following artifacts were recovered as a result of metal detection at LA 85869:

FS 135: Metal strip, believed to be of tin/zinc alloy; 1 cm wide, 4.2 cm long, end bent together; oxidized; function unknown.

FS 197: Can fragments (10); portion of a can seam indicates the fragments are from a "sanitary seal" can, a post-1897 manufacturing innovation (Busch 1981:97).

FS 199: Can fragments (2); portion of a can seam indicates the fragments are from a "sanitary seal" can, post-1897.

FS 209: Bridle jingle or *coscojo*, two parts joined by a hook. Coscojos of this type are machine-manufactured, are Hispanic in origin. They have been found on both Jicarilla Apache and Ute

encampments in north-central New Mexico, on Mescalero Apache sites in southeastern New Mexico, and Chiricahua Apache sites in southwestern New Mexico (Adams et al. 2000; Haecker 2003). Together, these sites have a date range of circa 1840–1900+.

FS 210: Straight pin or round wire fragment, ferrous; 3.0 cm long; 19th century to present.

FS 211: Trapezoidal-shaped white metal (tin?) sheet, folded, edges cut; 4.0 x 2.5 cm. Function unknown, although its shape and method of modification suggests that this is a cone tinkler, or the detritus resulting from making a cone tinkler; 19th century to present.

FS 212: White metal (tin?) fragment, cut on all sides; possibly detritus resulting from making a cone tinkler; oxidized; 19th century to present.

FS 213: Can fragment, cut into a strip; possible fastener hole; strip is "wavy" in profile; 3.0 x 1.0 cm. Function unknown.

FS 214: Lead/alloy rifle ball; .50 cal.; cast seam is visible; ball has an impact surface. The metal alloy is not known but either tin or antimony were alloyed with lead in the manufacture of bullets after the Civil War. Also, black powder firearms are presently used in the vicinity of the project area (Steve Hoagland, personal communication). It is believed that, since the ball has been fired, it is not associated with 19th century Native American occupation component of the site.

FS 215: Lead rifle ball; .50 cal.; sprue is present, indicating it was cast in a mold; dropped/not fired; relatively more oxidized than FS 214, suggesting greater age. The softness of the metal (object could be scratched with a fingernail) indicates it is unalloyed lead, which is characteristic of firearm projectiles prior to circa 1870. It is likely, therefore, that the artifact was deposited by Native American occupants of the site.

FS 216: Base fragment of a .30 cal. brass pistol shell casing; rim-fired; post-1871 (Suydam 1960:67).

FS 217: Lead fragment, presumably from a fired bullet; slightly oxidized; cannot determine if it is alloyed or unalloyed lead; 19th century to present.

FS 218: Brass fragment of a rifle shell, caliber unknown; 20th century to present.

FS 219: Fragment of white metal (tin?) sheet, cut on two sides; oxidized. Function unknown but possibly detritus resulting from making a cone tinkler; 19th century to present.

FS 220: Bridle jingle or *coscojo*, three parts joined. (See FS 209).

FS 221: Bridle jingle or *coscojo*, two parts joined. (See FS 209).

Bead Analysis

A total of 156 glass beads were discovered at LA 85869 during the excavation of a tipi ring (Feature 2) and sample areas immediately adjacent to this feature (see Table N.1). All but two of the beads (n = 154) are of the so-called "seed" bead category. The two anomalous beads include one-half of a blue "pony" bead (FS 304) and a red with white core bead (FS 232), termed a *cournaline d'Aleppo* or "Hudson's Bay Company" bead (Ross 2000:31). Pony beads are about 3/32 inch in diameter and almost always blue or white. The pony bead moved slowly west and did not reach the Plains in quantity until about 1800. It was followed in about 1840 in the west by a type of very small bead that were of a variety of colors and often faceted. This tiny "cut" bead and the pony bead continued together until the appearance about 1855 in the west of the "seed" bead. The pony beads then disappeared, except in Idaho, northwest Montana and eastern Washington. The cut beads continued, but always in the minority to seed beads (Douglas 1936:90–92, *in* Ross 2000:A-3). Pony beads were prized by Mescalero Apaches well into the 1870s (see Figure N.1), whereupon they were replaced in popularity by seed beads by the early 1880s.

Table N.1. Artifacts derived from test excavations from LA 85869.

FS #	ARTIFACT TYPE	NO.	DESCRIPTION
232	bead	2	White seed (1); red w/ white core, 3 mm dia. (1)
234	"	2	White seed (1); red seed (1)
238	Metal flake, possibly lead alloyed w/ tin or antimony	1	5 x 7 mm; function or source unknown
245	bead	12	White seed (8); blue seed (4)
250	"	1	White seed (1)
251	"	5	White seed (2); blue seed (2); Pink-red seed (1)
258	"	19	White seed (12); dark blue seed (3); blue seed (1); tan seed (3)
259	"	2	White seed (1); tan seed (1)
268	Rolled steel strip, 1.5" x 0.75"; 3 sides are cut, one side showing metal fatigue from bending back and forth; metal strip is "wavy" in profile	1	Function unknown
273	bead	13	White seed (7); blue seed (6); tan seed (1)
274	"	12	White seed (9); blue seed (1); tan seed (2)
275	"	2	White seed (2)
276	"	2	White seed (1); blue seed (1)
279	"	9	White seed (6); blue seed (3)
280	"	7	White seed (6); blue seed (1)

FS #	ARTIFACT TYPE	NO.	DESCRIPTION
281	"	15	White seed (5); blue seed (2); dark blue seed (4); tan seed (4)
284	"	2	White seed (1); blue seed (1)
289	"	2	White seed (1); tan seed (1)
290	"	7	White seed (4); blue seed (1); pink-red seed(1); tan seed (1)
292	"	5	White seed (4); blue seed (1)
298	"	10	White seed (8); blue seed (2)
300	"	1	Blue seed (1)
301	"	1	White seed (1)
303	"	8	White seed (3); blue seed (4); pink-red seed (1)
304	"	1	"pony"-type bead, half fragment, 20 mm dia.
310	Lead ball, out-of-round, split, approx. 0.30" dia.	1	Possible fish line weight
312	bead	7	White seed (5); blue seed (1); tan seed (1)
315	bead	4	White seed (2; one slightly larger w/ larger hole); blue seed (1); brown/tan seed (1)
316	"	3	White seed (2); blue seed (1)
317	"	1	White seed

The term *cornaline d'Aleppo* identifies a red, double-layered polychrome, cut-type bead. Since gold was used to make red or ruby-colored glass, red beads were expensive relative to the other beads offered to North American Indians during the 19th century. Thus, expensive red glass was layered on inexpensive white glass to reduce the production cost of red beads. Brilliant red beads cost almost five times as much as black beads, that is, the cheapest bead color type (Ross 2000:31).

Seed beads were supplied by traders in a number of sizes, all of them quite small. The largest are about one-sixteenth of an inch in diameter, about half the size of the next largest type of trade bead. According to Hanson (1989:2), citing various authors, traders introduced seed beads to the Northern Plains and Upper Missouri River Indian tribes around 1830. The popularity of seed beads for embroidery spread south and westward, reaching the Southern Cheyenne by around the mid-1830s, the western Sioux and Crow by the 1840s and, among the Blackfeet, seed beads became popular by 1875 (Ewers 1945:38). The Athapaskan-speaking tribes of Colorado, Utah, and Idaho began using seed beads in great numbers by 1890 (Duncan 1989:16).

Figure N.1. Jicarilla Apache maiden, 1873.
Note necklace of "pony" beads, and an absence of seed bead embroidery, which is dominant on Jicarilla Apache clothing by circa 1880.

The earliest type of seed beads are opaque and have softer colors than those introduced toward the end of the 19th century. From the analysis of over 430,000 beads archaeologically recovered from Fort Union, North Dakota, as well as from analyzing beads from 13 other regional trading post sites (Ross 2000), it is evident that there occurred a transition in native preference regarding bead colors. For hundreds of years the dominant bead color among Indians across North America had been white, reflecting a common use of shell in bead making. Blue was the second-most desired bead color. Later, with ever-increasing contact, Indians accepted a greater range of unfamiliar colors. With the arrival of Europeans and their glass beads, initial bead colors of choice among most Native Americans in western North America continued to be primarily white, followed by blue (Ross 2000:136).

Blue and white beads dominate archaeological assemblages that date to the 1830s, with limited occurrences of red, amber-colored, black, and green beads. By the 1840s, blue and white beads continued to dominate, but red and black beads were becoming more common, with limited amounts of green beads. By the 1850s, blue and white beads retained their popularity but continued to diminish in frequency, while red, black, and amber-colored beads increased in popularity. During the 1860s, the use of a wide range of colors became popular, including yellow, pink, green, light and dark blue, and light and dark purple. By the mid-1880s, virtually all Native American peoples employed almost exclusively the smallest of seed beads for their embroidery. By then seed beads had an even wider range of colors and possessed more brilliant hues, as compared to those available in previous decades. Old bead sample cards used by traders just prior to 1900 show more than 80 colors of seed beads from which Indian women could make selections (Douglas 1936:90–92; Ross 2000:167, A-6).

It is not statistically valid to compare and contrast the types and characteristics of the relatively few beads recovered from LA 85869 with the massive amounts found at, for example, Fort Union, North Dakota. However, it is noteworthy that the most common bead color represented at LA 85869 is white (n = 94, or 64%), followed by blue (n = 41, or 26%). This suggests that the occupants of the tipi site possessed the same general bead color preference as their fellow Native Americans throughout 19th century North America. Seed beads of the smallest size (i.e., 0.5-0.7 mm diameter), are well represented in the collection. This indicates that the site was occupied at least as early as circa 1880. And, as noted above, the tan, brown-tan, and pink-red seed beads are colors that likely would not have been introduced to the Jicarilla Apaches until the 1880s, or possibly even later.

The fragment of blue pony bead, and possibly also the *cornaline d'Aleppo* cut bead, likely pre-date the seed beads insofar as when these two beads were first acquired and used by an occupant(s) of LA 85869. The fragmented condition of the pony bead suggests it was deposited as a result of on-site breakage. The cut bead, given that it is red, would have possessed some intrinsic value greater than all the other beads found on the site. The size of this bead (2 mm in diameter) precludes its use on embroidery; rather, it likely would have been strung alongside other beads of similar or greater size, on a necklace or beaded tassel.

CONCLUSIONS

The rock ring features found at LA 85869 and the one rock ring feature of LA 85864 are characteristic of mid- to- late 19th and early 20th century Jicarilla encampments located within north-central New Mexico, and specifically within the Rio del Oso Valley. Also, several of the artifact types, which include micaceous sherds, *coscojos*, the cast rifle ball of pure lead, scraps of cut sheet metal, and glass beads, are duplicated by the artifacts found at two mid-19th century Jicarilla sites located east of Pilar, New Mexico (David Johnson, personal communication, October 2003), and on late 19th century Jicarilla Apache sites within the Rio del Oso Valley, New Mexico (Sunday Eiselt, personal communication, October 2003). Also, two Jicarilla Apache encampments have been identified on Ghost Ranch property, and have been dated to circa 1886–1910 (Haecker 2003). Just as at LA 85869, the Ghost Ranch sites also contain fragments of sanitary seal cans, which point to a post-1897 occupation. If Jicarilla Apaches deposited sanitary seal cans at LA 85869 and not the result of a later, non-Indian component, this would indicate a Post-Reservation occupation of lands that eventually became LANL property. Furthermore, this Jicarilla re-occupation would have constituted an unauthorized trespass onto lands that they had been forced to officially abandon after 1882 (Tiller 1992). Finally, it is reported by Tiller (1992:121–122) that, for many years after the establishment of the Jicarilla reservation in 1887, it was a common practice for some Jicarilla families to leave the reservation without official permission. These families would engage in trade with neighboring communities, visit friends, "or just to have something to do." Since there were few opportunities for wage work on the reservation, Jicarilla families sold or traded handcrafted articles such as baskets, buckskin moccasins, beaded accessories, bows and arrows, and pottery. The market for Jicarilla arts and crafts was limited due to the remoteness of the reservation. Therefore, it was necessary for those engaged in such endeavors to travel to, among other places, the various Rio Grande pueblos during their annual celebrations. Given that San Ildefonso had a provided temporary refuge for those Jicarilla families who had "illegally departed" the Mescalero reservation in 1886 (Tiller 1992:93), it is not surprising to find archaeologist evidence of late 19th century Jicarilla encampments on LANL property.

APPENDIX O
REPORT FOR CERAMICS FROM LA 85864 AND LA 85869

B. Sunday Eiselt

The following descriptions are for micaceous clay ceramic fragments collected from sites LA 85869 and LA 85864 (non-micaceous fragments are listed but not described). Included in descriptions of micaceous ceramics are notes regarding surface finish and paste characteristics. Suggestions regarding ethnic affiliation and geological origin of clays are provided, but these identifications are tentative. Ethnic affiliation is difficult to determine from body sherds alone. The identification of clay sources for the unknown sherds also are tentative. These identifications are based on comparisons with sampled (known source) clays using a binocular microscope.

Primary micaceous clays are found decomposing from the Vadito Group, a Precambrian formation containing abundant muscovite mica and quartz-mica schist. Vadito Group outcrops are located in the vicinity of Petaca, Picuris, Cordova, Guadalupita, Pecos, and Las Vegas. Paste mineralogies for all micaceous sherds recovered from LA 85869 and LA 85864 are consistent with the general characteristics of Vadito Group micaceous clay deposits. Aplastic inclusions include angular and subangular translucent quartz and white quartz (dominant). Muscovite mica is dominant. Iron-stained quartz, quart-mica schist, hematite, and magnetite also are present. No exotic inclusions were noted in the current sample, suggesting that temper was not intentionally added to clays in order to create ceramic pastes.

The exact geographic locations of the primary clays used to make the ceramics is difficult to determine based on mineralogy alone. Vadito Group lithologies are similar throughout the northern Rio Grande, and the petrographic studies needed to separate clay districts or clay sources have not been carried out. Visual examination of a comparative collection of over 123 clay samples from Petaca, Picuris, Cordova, and Guadalupita do, however, suggest that some mineralogical differences may exist. The source determinations provided in this report are based on these comparisons.

LA 85864

FS 575 - Two small body fragments (one vessel) – primary micaceous clay.

Sherds contain only a moderate amount of mica. Rosy quartz and possible magnetite are present but rare. The presence of rosy quartz and magnetite in the same sample indicates a Cordova-Truchas origin. Exterior and interior sherd surfaces are compacted (probably scraped with a gourd scraper, sanded, or burnished towards the end of the production sequence) and display striations consistent with wiping with a wet object (cloth or hand) while the vessel was wet (during the final step in the production sequence). No corncob striations (from scraping vessel walls) are present. The vessel may be attributed to Taos, Picuris, or Jicarilla makers based on surface finish (Tewa micaceous vessels rarely display such compacted surfaces).

FS 572 – One body fragment origin unknown

This fragment appears to be made from an alluvial clay containing mica rather than a primary micaceous clay. Mica fragments are silt-to-clay-sized and larger fragments are rare. Aplastics are subangular to subrounded. Origin of clays unknown, although alluvial micaceous clays are present north of Abiquiu. Surface slip or float does not appear to be micaceous. Ethnic affiliation unknown.

FS 574 – Prehistoric, non-micaceous painted ware (Wiyo? Biscuit A?)

LA 85869

FS 309 – Two small body fragments (one vessel) – primary micaceous clay.

Sherds contain abundant muscovite mica in a gradient of sizes. Biotite and booked biotite also is common. Aplastics include translucent to white quartz (dominant) and magnetite (rare). The abundance of booked biotite in combination with the presence of magnetite suggest a Picuris, Cordova, or Guadalupita origin. If garnet is found, then Picuris is the likely source. If rosy quartz is found, then the clay may have come from Cordova or Guadalupita. A micaceous float (slurry) was applied to the exterior surface. Interior and exterior surfaces are compacted. No wipe or scrape marks are visible. Vessel may be attributed to the Taos, Picuris, or Jicarilla makers based on surface finish.

FS 328 - Four body fragments (one vessel) – primary micaceous clay.

Sherds contain abundant muscovite in a gradient of sizes. Quartz mica-schist also is common. Iron-stained quartz and magnetite present. One small fragment of hematite noted. The abundance of quartz-mica schist and the presence of iron-stained quartz and hematite strongly suggest a Petaca origin. Vessel was fired upside down (smudged exterior, oxidized exterior). Red surface color on exterior also suggests a Petaca origin for the clay. Interior and exterior surfaces are compacted, but wipe-marks also are visible. Vessel walls were sanded or burnished prior to the application of a mica slip or slurry. This is consistent with Jicarilla Apache techniques. Given that the clay most likely originated at Petaca and given the surface finish, this vessel probably was made by Jicarillas (Cimarron Micaceous). Surface color, surface finish, and paste characteristics are very similar to Jicarilla ceramic sherds recovered in the nearby Rio del Oso Valley.

FS 325 – Historic(?) plain ware ceramic

Conclusion

The small ceramic assemblage recovered from LA 85869 is consistent with other sherd assemblages found at 19th century Jicarilla Apache sites in the Chama District and elsewhere.

The clays from each of the two recovered vessels came from different locations (Picuris-Cordova-Guadalupita and Petaca). Geochemical source analysis of Jicarilla sherd assemblages demonstrates that they typically contain a variety of clay sources. In particular, they contain clays obtained from widely distributed sources, unlike Pueblo assemblages, which tend to be more homogenous and regionally restricted. A heterogeneous sherd assemblage containing clays obtained at multiple sources (including those located in the Petaca, Picuris, and Cordova clay districts) is characteristic of Jicarilla pottery production.

The sherds from LA 85869 definitely were made from different clays based on paste mineralogy, even though exact source identifications are tentative. This in combination with ceramic surface finish helps to narrow down ethnic affiliation to the Jicarilla (probable). Jicarilla sites also contain historic plain or decorated ceramics obtained through trade from Pueblo potters, but these finds are rare. Ceramic assemblages are dominated by micaceous sherds. If quartz and quartz-mica schist nodules were (or are) found at this site in association with tipi rings, then this also is very characteristic of Apache ceramic production during the 19th century. Clay frequently was transported on horseback and cleaned at distant camps. Less can be said about LA 85864.

Santa Clara Pueblo potters utilized Cordova-Chimayo area clays according to Hill and Lang (1982:83). There also was a "supposed" micaceous source located near the pueblo that was covered by floods some time in the recent past, although there are no micaceous (Precambrian) outcrops in this area. However, the surface finish of vessels combined with the diversity of clay sources represented, is more consistent with Apache practices.

Petrographic analysis may be useful in separating regional clay districts and localized sources based on the relative abundances of rare minerals (as indicated above). It should be noted, however, that mineralogical information obtained from LA 85869 petrographic analysis will have limited utility until a comparative clay source study is completed.

APPENDIX P
RECONSTRUCTIBLE VESSEL ANALYSIS

Marlene Owens and Dean Wilson

As part of the Los Alamos Project ceramic analysis, whole vessels recovered during earlier excavations of sites near Los Alamos, and which were stored at MIAC (Museum of Indian Arts and Culture), were analyzed. This resulted in the examination of 23 reconstructible vessels from several sites in the area. Characteristics recorded for each of these vessels include: 1) the site and provenience (if known) from where the vessel was recovered; 2) the curation (catalog) number from the MIAC; 3) the vessel number assigned during the present study (this number is the order in which the vessel was analyzed); 4) basic information recorded for the analysis of most Los Alamos pottery ceramics including the pottery type, form, temper, interior and exterior surface manipulation and type of pigment, of the vessel; and 5) additional information recorded during vessels analysis including design motifs and layouts, size, reconstruction status, firing condition including sooting, post-firing wear and modifications, and the completeness and maximum volume

The maximum volume was calculated using the formula $V = \pi r^2 h$. Volume capacity was estimated from the profile of the vessel by measuring height divided into equal increments of two centimeters or four centimeters (depending on the size of the vessel) then multiplied by the radius of the increments subsequently multiplied by pi (3.141), then summed together into cubic centimeters, which then is converted to liters. One thousand cubic centimeters is equal to one liter. This is a tedious process but a slightly more accurate one. Vessel form was utilized in this case as a description between the types of pottery and function was implied. This analysis does not delve into the functions of the vessel due to the wide range of the potential usage of any vessel assemblage. Additional attributes were also recorded, such as modifications to the vessel possibly implying use. A description of each the vessels analyzed during the present study follow.

RECONSTRUCTIBLE VESSEL DESCRIPTIONS

Vessel 1

Vessel one was recovered from LA 169 (Otowi). The vessel was classified as Wiyo Black-on-white and is a shallow bowl, which is 80 percent complete (Figure P.1). The interior surface was highly polished with a white slip and the exterior was unpolished. Surface conditions indicated it was slightly oxidized. The base has slight to moderate abrasion with a few scattered fire clouds. Rim chipping is evident, but most likely not from use. Designs are boldly executed on the interior surface in an organic pigment. The interior design band is made up of hatchured lines with bold triangles in between the diamond panels. The diagonally placed panels have bold opposing triangles down the center and smaller bold triangles in opposite corners. Two framing lines are near the bottom of the band. There was no rim decoration. The band is approximately

12 cm in width. The center design has four isolated triangles with a spiraling line square. The dimensions of the bowl are shown in Table P.1.

Figure P.1. Santa Fe Black-on-white vessel from Otowi.

Table P.1. Dimensions for Vessel 1.

Rim Diameter	29.5 cm
Height	13.4 cm
Maximum Diameter	29.5 cm
Maximum volume	6.55 L

Vessel 2

Vessel two was recovered from LA 170 (Tsirege). The vessel is an unpolished miniature Mudware seed jar (Figure P.2). The exterior surface had variable portions reduced in firing and surfaces were oxidized. The exterior had a slight abrasion with poorly defined fire clouds. The dimensions of the jar are shown in Table P.2.

Table P.2. Measured dimensions for Vessel 2.

Rim Diameter	6.0 cm
Height	5.0 cm
Maximum Diameter	7.5 cm
Maximum volume	.16L

Figure P.2. Mudware seed jar from Tsirege.

Vessel 3

Vessel 3 was recovered from LA 170 (Tsirege). The vessel represents an unusually shaped Biscuit B (Bandelier Black-on-gray) shallow bowl (Figure P.3).

Figure P.3. Biscuit B vessel from Tsirege.

The interior and exterior of the bowl had an unevenly, but well-polished grayish cream slip. The surfaces are slightly oxidized and the exterior surface has abrasions in two places at the base of the bowl. Designs are executed on both sides in organic paint. The rim ticking consists of six isolated repetitions of 4 to 5 dots. The interior design consisted of isolated motifs of connecting line flags covering the whole bowl. The exterior design was organized as a band consisting of a

zig-zag line with parallel ticked lines on both sides. This band had a single framing line on the top and bottom. The dimensions of the bowl are shown in Table P.3.

Table P.3. Measured dimensions for Vessel 3.

Rim Diameter	25.0 cm
Height	9.0 cm
Maximum Diameter	25.0 cm
Maximum volume	3.68 L

Vessel 4

Vessel 4 was recovered from LA 170 (Tsirege), and was identified as a shallow Biscuit B (Bandelier Black-on-gray) bowl. The interior and exterior surface is well polished over a cream slip. The surfaces were slightly oxidized with a moderate abrasion concentrated at the base. The exterior slip was spalled and had sporadic sooting. Designs are executed on both sides in organic paint. Rim decoration consisted of four occurrences of five dots. The interior of the bowl had a band down the center of the vessel consisting of triangles of dots with connecting line flags framed with a single line. There were stylized linear zoomorphs on the interior of the rim. Linear curving designs and isolated parallel line segments were on both sides of the center design band. The exterior portion of the bowl had a band of several panels of diagonal flag triangles framed on both sided by three different sizes of lines. The dimensions of the bowl are shown in Table P.4.

Figure P.4. Biscuit B vessel from Tsirege.

Table P.4. Measured dimensions for Vessel 4.

Rim Diameter	22.4 cm
Height	10.0 cm
Maximum Diameter	24.0 cm
Maximum volume	3/60 L

Vessel 5

It is not known from what site vessel five originated. It is a slightly lopsided Biscuitware jar. Because of its form, it was not assigned to a specific type. The interior is slightly polished and buff with a moderately polished exterior cream slip (Figure P.5). The jar was slightly oxidized with concentrated abrasions and fire clouds near the base. Designs are executed in the interior surface in organic paint. The design consists of rim ticking, with the top portion of the vessel having a band of several panels incorporated with zoomorphs, framed with single lines. The lower portion of the jar consists of several pairs of parallel perpendicular lines around the vessel. The dimensions of the jar are as shown in Table P.5.

Figure P.5. Biscuitware jar from the Pajarito Plateau.

Table P.5. Measured dimensions for Vessel 5.

Rim Diameter	10.9 cm
Height	8.3 cm
Maximum Diameter	13.5 cm
Maximum volume	0.74 L

Vessel 6

Vessel six was recovered from LA 170 (Tsirege). The vessel was identified as a Kotyiti Glaze F, glaze-on-red constricted bowl with a spout that was much like a tea kettle (Figure P.6). The interior and exterior surfaces are polished over a red slip. The exterior had a sporadic slip, mostly on the lower three-quarters of the bowl. The bowl was poorly oxidized and the exterior base of the bowl was moderately to heavily worn. The design was a band of a runny glaze consisting of "chevron" lines and triangles ending at a break. The dimensions of the bowl are shown in Table P.6.

Figure P.6. Kotyiti Glaze F vessel from Tsirege.

Table P.6. Measured dimensions for Vessel 6.

Rim Diameter	17.8 cm
Height	11.0 cm
Maximum Diameter	22.0 cm
Maximum volume	3.26 L

Vessel 7

Vessel 7 was recovered from LA 170 (Tsirege). The vessel was classified as an Espinosa Glaze C Polychrome and is a shallow bowl (Figure P.7). The exterior and interior surfaces are polished over a red slip with some areas of polished buff. The interior of the bowl was oxidized and the exterior is poorly oxidized. Extremely small fire clouds were evident on the exterior portion of the vessel (Figure P.8). There was no evidence of abrasion on the base. Designs were executed on both sides in a polychrome glaze paints. The interior design layout consisted of two parallel glaze lines; within the lines was a red slip. A zoomorphic figure was in the interior center. The exterior design band consists of four plain panels with four perpendicular panel lines, in between the panel lines is filled in with a red slip. This band was framed on top and bottom by a single line. These lines were also filled in with a red slip. The dimensions of the bowl are shown in Table P.7.

Table P.7. Measured dimensions for Vessel 7.

Rim Diameter	18.8 cm
Height	8.5 cm
Maximum Diameter	20.0 cm
Maximum volume	2.24 L

Figure P.7. Espinosa Glaze C Polychrome vessel from Tsirege.

Figure P.8. Fire clouds present on the exterior portion of the Espinosa Glaze C vessel.

Vessel 8

It is unknown where vessel eight came from. The vessel is a shallow Wiyo black-on-white bowl that is 40 percent complete (Figure P.9). The interior surface is highly polished with a cream slip. The exterior surface appears to have an unusual polished white slip and an unknown red stain. It is difficult to determine the extent of the exterior slip due to the high amount of surface exfoliation. The interior was slightly oxidized. The exterior had a single fire cloud with a slight

to moderate abrasion of the base. The interior surface was decorated in organic pigment. The interior slip appears to be a band completely covered with a series of curvilinear spirals with hatchured and dotted filling. Three drill holes were observed near the rim; two of these were parallel. Due to 60 percent of the vessel missing, the dimensions were obtained by the using a template that measured the radius of the rim in one centimeter increments of the partial vessel. The approximate dimensions are shown in Table P.8.

Table P.8. Measured dimensions for Vessel 8.

Rim Diameter (approx.)	22.0 cm
Height (approx.)	10.0 cm
Maximum Diameter (approx.)	22.0 cm
Maximum volume (approx.)	2.67 L

Figure P.9. Wiyo Black-on-white vessel from an unknown site on the plateau.

Vessel 9

Vessel 9 was recovered from LA 170 (Tsirege). The vessel was classified as a shallow Sankawi Black-on-cream bowl. The interior and exterior surfaces are polished with cream slips, which were in shades of white to tarnished gray in color (Figures P.10 and P.11).

Table P.9. Measured dimensions for Vessel 9.

Rim Diameter	24.5 – 35.0 cm
Height	13.5 cm
Maximum Diameter	29.0 – 35.0 cm
Maximum volume (approx.)	8.71 L

Figure P.10. Sankawi Black-on-cream bowl from Tsirege.

Figure P.11. Interior of Sankawi Black-on-cream vessel from Tsirege.

There was slight oxidation of both surfaces and fire clouds on the exterior. The base of the vessel had slight abrasion. Both surfaces were decorated in organic pigment. Groups of rim ticking were observed along the rim of the vessel. The interior design consisted of what appears to be a double headed awanyu across the bowl consisting of parallel lines, ticked lines, dots, triangles and rectangular ribbons filled with dots (Figure P.11). Along the interior edge of the rim was a zig-zag line. The exterior design was a band consisting of rectangular ribbons filled with dots with bold diagonal flags. The band was framed with five multiple sized lines, two on top, three on the bottom. It is possible the shape of the bowl was caused by firing, or that the shape was intentional, to incorporate the interior design of the awanyu. Due to the irregular shape of the bowl, the minimum and maximum dimensions were recorded and are shown in Table P.9.

Vessel 10

The site of origin for Vessel 10 is unknown. The vessel was identified as San Lazaro Glaze D glaze-on-red shallow bowl (Figure P.12). The interior and exterior surfaces were polished over red slips. Both surfaces of the bowl were oxidized with fire clouds. The interior design was a band with panels that exhibit elements such as triangles and horizontal lines. The band was framed on both sides with a single line. The exterior band consisted of a masked figure near the rim edge (Figure P.13). Within the band was a series of opposing triangles with line segments in between. The dimensions of the bowl are shown in Table P.10.

Figure P.12. San Lazaro Glaze D glaze-on-red bowl from Tsirege.

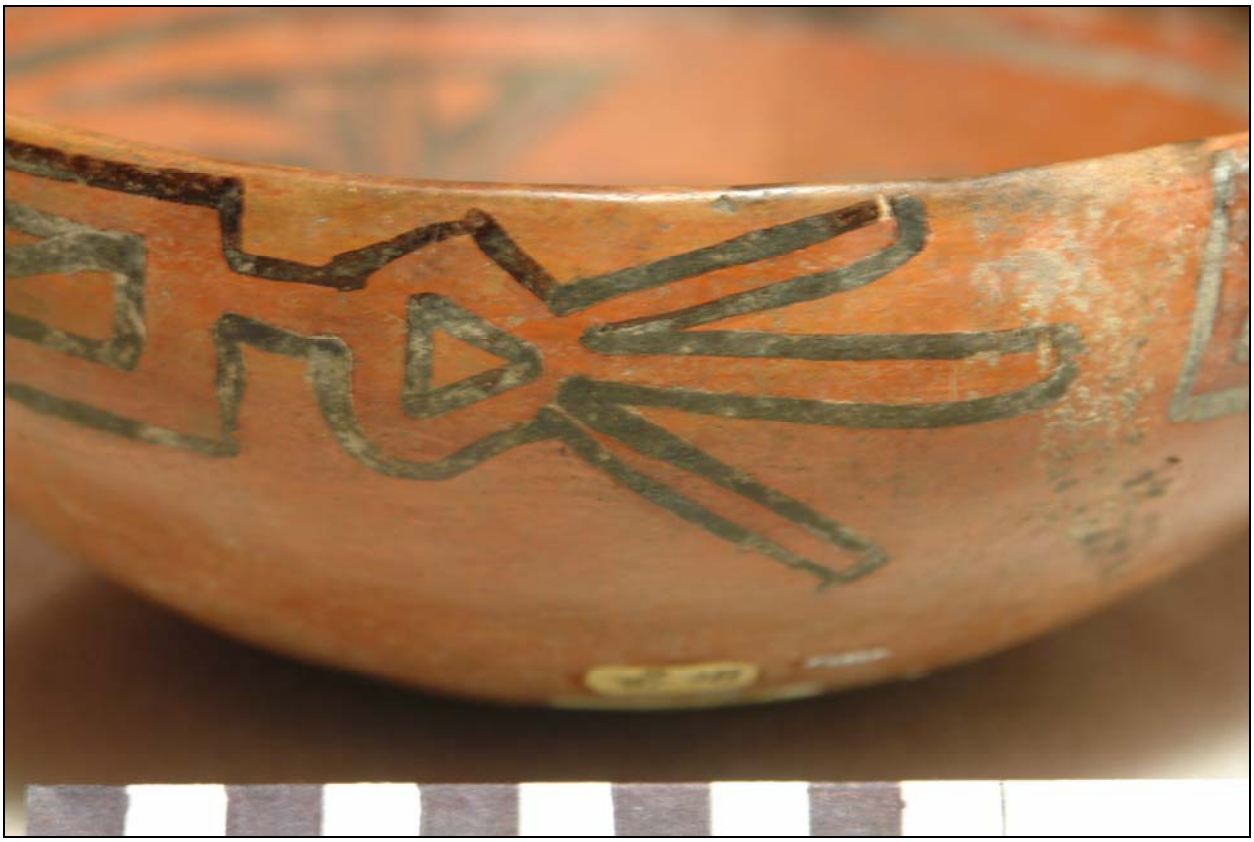


Figure P.13. Masked figure on the exterior of a Glaze D bowl.

Table P.10. Measured dimensions for Vessel 10.

Rim Diameter	20.5 cm
Height	8.0 cm
Maximum Diameter	20.5 cm
Maximum volume	1.84 L

Vessel 11

Vessel 11 was recovered from LA 170 (Tsirege). The vessel was classified as a San Lazaro Glaze D glaze-on-red shallow bowl (Figure P.14). The interior and exterior surfaces were polished over a red slip. The interior was oxidized and the exterior poorly oxidized. There was slight abrasion on the exterior at the base of the bowl. Interior design layout had a band consisting of a scalloped line along the interior rim edge and three straight lines that connect to a large mask with feathers at the interior bottom of the bowl (Figure P.15). The exterior had a band of flagged triangles and horizontal lines. The dimensions of the bowl were recorded and are shown in Table P.11.

Figure P.14. San Lazaro Glaze D bowl from Tsirege.

Figure P.15. Interior decoration on a San Lazaro Glaze D bowl.

Table P.11. Measured dimensions for Vessel 11.

Rim Diameter	20.5 cm
Height	8.0 cm
Maximum Diameter	20.5 cm
Maximum volume	1.84 L

Vessel 12

Vessel 12 was recovered from LA 170 (Tsirege). The vessel was assigned to Sankawi Black-on-cream and is a wide mouth jar (Figure P.16). The interior of the jar was an unslipped polished buff with a polished cream slip. The exterior firing conditions were neutral, and very lightly oxidized. A moderate abrasion was observed at the base of the vessel. The exterior surface was decorated in organic paint. The bulge of the jar had a band of motifs that consisted of triangles and rectangular lines with dots, with two framing lines at the top and bottom. The underslope of the jar had a zig-zag line below the band. The rim decoration consisted of bold triangles angled downwards. The paint has faded in some areas, leaving a negative space. The dimensions of the jar are shown in Table P.12.

Figure P.16. Sankawi Black-on-cream jar from Tsirege.

Table P.12. Measured dimensions for Vessel 12.

Rim Diameter	22.0 cm
Height	30.0 cm
Maximum Diameter	38.0 cm
Maximum volume	21.50 L

Vessel 13

Vessel 13 was recovered from LA 170 (Tsirege). The vessel was classified as a Sankawi Black-on-cream wide mouth jar (Figure P.17). The interior of the jar was a polished buff; the exterior surface displayed a polished cream slip. The reflected conditions are neutral to slightly oxidizing

with moderate to heavy abrasions along the high point of the concave base of the vessel. Fire clouds were present near the base. Designs were executed in an organic paint and formed a band consisting of three parallel lines in a zig-zag pattern. The center line had ticked lines on both sides. The band had two framing lines with a single thick zig-zag line on the underslope of the vessel. The rim decoration consisted of a band with a checkerboard pattern. The jar dimensions are presented in Table P.13.

Figure P.17. Sankawi Black-on-cream jar from Tsirege.

Table P.13. Measured dimensions for Vessel 13.

Rim Diameter	19.8 cm
Height	33.0 cm
Maximum Diameter	37.0 cm
Maximum volume	23.07 L

Vessel 14

Vessel 14 was recovered from LA 170 (Tsirege). The vessel is a Potsui'i Incised wide mouth jar that is 70 percent complete (Figure P.18). The lower portions of the jar were absent but reproduced with plaster, and thus the height of the vessel was estimated. The exterior surface was incised and polished with a light mica slip. The interior surface was plain and polished and was fired in reduced firing conditions and both surfaces were lightly sooted as indicated by the gray to brown color. The exterior had two bands of incised designs. The upper band consisted of several parallel lines in a zig-zag pattern with a couple of upper framing lines. The lower band had hatchured triangles. The dimensions of the jar are shown in Table P.14.

Figure P.18. Potsui'i Incised wide mouth jar from Tsirege.

Table P.14. Measured dimensions for Vessel 14.

Rim Diameter	22.5 cm
Height (approx.)	31.0 cm
Maximum Diameter	36.0 cm
Maximum volume	21.16 L

Vessel 15

The site of origin of Vessel 15 is unknown. The vessel was classified as an Ocate Micaceous wide mouth pitcher that was 80 percent complete (Figure P.19). The exterior surface had a very thin micaceous slip with numerous striations. The striations were present on both the interior and exterior surfaces with no apparent pattern. The interior striations were more pronounced on the upper portions of the neck. The pot displayed portions that were both reduced and slightly oxidized. The exterior surface had oxidation in areas that reflect use in cooking. There is a singe strap handle extending from the upper middle portion of the body. The bottom portion of the vessel is missing. Both the exterior and interior surfaces are sooted. The rim has abrasion and chipping is most likely from use. The surface manipulation and vessel shape suggest a very late form, circa 1900, which was most likely produced by Jicarilla Apache potters. The dimensions of the vessel are shown in Table P.15.

Figure P.19. Ocate Micaceous wide mouth pitcher from the plateau.

Table P.15. Measured dimensions for Vessel 15.

Rim Diameter	20.5 cm
Height (approx.)	23.5 cm
Maximum Diameter	30.0 cm
Maximum volume	10.99 L

Vessel 16

The site of origin of Vessel 16 is unknown. The vessel was a Sapawi Gray wide mouth utilityware jar (Figure P.20). The exterior consisted of a smeared plain corrugated surface and the interior was plain and unpolished. The paste does not appear to have any mica although a thin mica slip was observed. Surface conditions indicated reduced firing and it was sooted on the exterior surfaces most likely from cooking. The base of the jar had a highly abraded surface. The exterior surface manipulation was corrugated from the top ¾ and the lower portion was a plain unpolished surface. The dimensions of the jar are shown in Table P.16.

Table P.16. Measured dimensions for Vessel 16.

Rim Diameter	31.5 cm
Height	40.5 cm
Maximum Diameter	47.0 cm
Maximum volume	47.80 L

Figure P.20. Sapawi Gray wide mouth utilityware jar from the plateau.

Vessel 17

The site of origin of Vessel 17 is unknown. The vessel was identified as Sapawe Micaceous and is a wide-mouth utilityware jar (Figure P.21). The exterior consisted of a smeared plain corrugated surface and the interior was plain and unpolished. It did not appear to have a mica slip. The jar had reduced firing and was sooted on the exterior and is most likely from cooking. The base of the vessel had moderate to heavy abrasion. The exterior surface manipulation was corrugated from the top ¾ and the lower portions had a plain unpolished surface. The dimensions of the vessel are shown in Table P.17.

Figure P.21. Sapawe Micaceous utilityware jar from the plateau.

Table P.17. Measured dimensions for Vessel 17.

Rim Diameter	25.5 cm
Height	24.5 cm
Maximum Diameter	31.5 cm
Maximum volume	13.75 L

Vessel 18

It is not known where Vessel 18 was recovered. This vessel was identified as an indented-corrugated wide-mouth utilityware jar (Figure P.22). The exterior had an indented-corrugated surface manipulation and the interior was plain and unpolished. The jar was fired in reduced firing conditions and displays sooting on the exterior. The dimensions of the jar are shown in Table P.18.

Figure P.22. Indented corrugated utilityware jar from the plateau.

Table P.18. Measured dimensions for Vessel 18.

Rim Diameter	11.8 cm
Height	14.0 cm
Maximum Diameter	15.5 cm
Maximum volume	1.95 L

Vessel 19

Vessel 19 was recovered from LA 4631. The vessel was identified as a smeared-indented corrugated bowl that is 80 percent complete (Figure P.23). Portions of this bowl were reconstructed using plaster. The exterior had an indented-corrugated surface manipulation and the interior was plain and unpolished. It was fired in a reduced atmosphere and exhibited slight sooting on both surfaces. Slight to moderate abrasion was observed on the base of the bowl. The interior portion had stains in an unknown pigment. The dimensions of the bowl are shown in Table P.19.

Figure P.23. Smeared-indented corrugated vessel from LA 4631.

Table P.19. Measured dimensions for Vessel 19.

Rim Diameter	13.3 cm
Height	6.5 cm
Maximum Diameter	13.3 cm
Maximum volume	0.57 L

Vessel 20

Vessel 20 was recovered from LA 4712. The vessel was identified as a smeared-indented corrugated utilityware jar (Figure P.24). The exterior surface manipulation was smeared-indented corrugated and the interior was plain and unpolished. The vessel was fired in reduced conditions and had sooting on the exterior. The base had moderate abrasions. Patterns of sooting indicate probable use for cooking. Organic paint was observed on the interior surface. It

consisted of four parallel organic lines that angle from the rim. The vessel dimensions are shown in Table P.20.

Figure P.24. Smeared-indented corrugated vessel from LA 4712.

Table P. 20. Measured dimensions for Vessel 20.

Rim Diameter	25.5 cm
Height	33.0 cm
Maximum Diameter	36.0 cm
Maximum volume	23.34 L

Vessel 21

There is no provenience information for Vessel 20. The vessel was identified as a smeared-indented corrugated wide mouth jar (Figure P.25). The exterior surface manipulation consisted of smeared-indented corrugated texture with the interior plain and unpolished. The firing conditions were mostly reduced with some areas oxidized. Post-firing conditions consisted of sooting and oxidation, probably from cooking. The base of the vessel had slight abrasion. Two pairs of repair holes were observed near the rim and another pair at the bottom of the vessel. The rim also had four pronounced fillets. The vessel dimensions are showing in Table P.21.

Figure P.25. Smeared-indented corrugated jar from the plateau.

Table P.21. Measured dimensions for Vessel 21.

Rim Diameter	23.5 cm
Height	29.0 cm
Maximum Diameter	33.0 cm
Maximum volume	17.68 L

Vessel 22

Vessel 22 was recovered from LA 4634. The vessel was unidentified as a highly unusual square Santa Fe black-on-white shallow bowl (Figure P.26), which was analyzed while on display at the museum. The interior and exterior surface consisted of a polished white slip. The bowl had neutral firing conditions. Some sooting was visible on the exterior surface, although the extent is unknown. The interior is decorated with organic pigment. The design band consisted of four panels; two of the panels were of the checkerboard pattern, opposite one another, the other two panels consisting of opposing parallel "chevron" lines with bold ticked triangles in the corners and in the center of the lines. There appears to be two repair holes near the rim. The dimensions of the bowl are taken from the cataloging card and are shown in Table P.22.

Table P.22. Measured dimensions for Vessel 22.

Rim Dimensions (l x w)	17.1 cm by 17.1 cm
Height	8.3 cm
Maximum Diameter	17.1 cm
Maximum volume	1.82 L

Figure P.26. Square Santa Fe Black-on-white bowl form LA 4634.

Vessel 23

Provenience information for Vessel 23 is unknown. The vessel was identified as a shallow Biscuit B (Bandelier Black-on-gray) bowl (Figure P.27). The analysis of this bowl occurred while it was on display at the museum. The surface manipulation appears to be a polished cream slip. The exterior design and surface could not be seen, and was not analyzed. The vessel had neutral firing conditions. The interior is decorated with organic pigment. The interior design layout consisted of a band that included panels of triangles and parallel lines with dots, which were divided into two distinct patterns. The band was framed with multiple sized lines on top and bottom. There were several groupings of ticked rim lines. The dimensions of the bowl were taken from the catalog card and are shown in Table P.23.

Table P.23. Measured dimensions for Vessel 23.

Rim Diameter	33.7 cm
Height	15.3 cm
Maximum Diameter	35.7 cm
Maximum volume	11.96 L

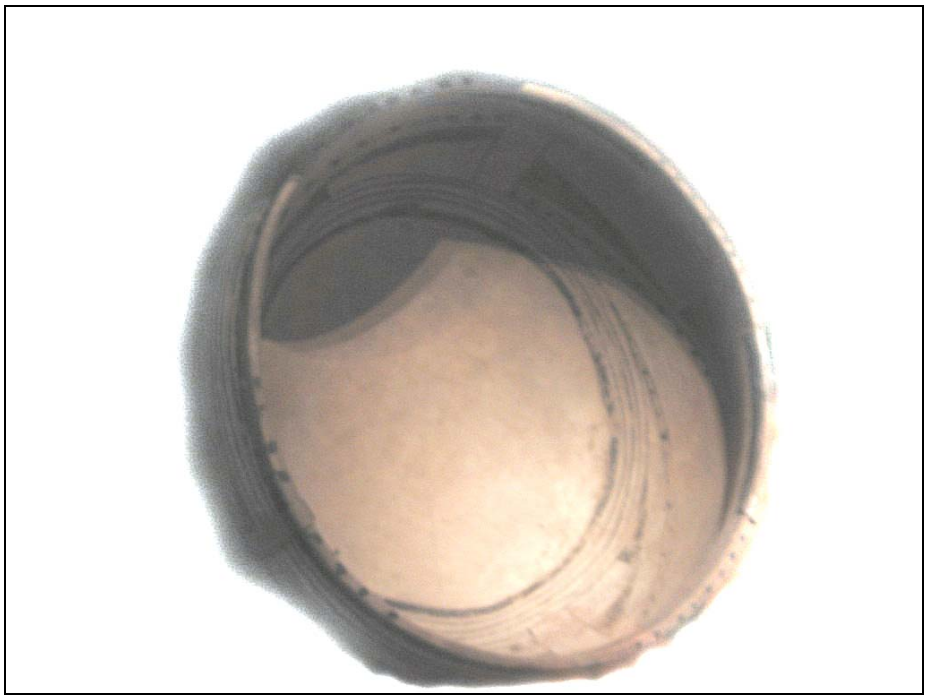


Figure P.27. Biscuit B bowl from an unknown site on the plateau.

Summary

All the vessels are recovered from the general Los Alamos area. Nine vessels had an unknown site number. According to the Museum of Indian Arts and Culture, these unknown vessels were recovered by Mike Burkheimer, Conway Smith, and John Marshall in 1964 and are on loan by the Department of Energy and the Los Alamos Historical Museum. Tables P.24 through P.27 summarize the information collected during the analyses of the whole vessels.

Table P.24. Vessel type and form for each ware.

Northern Rio Grande Whiteware	
Santa Fe Black-on-white (22)	Square Bowl
Wiyo Black-on-white (8)	Shallow Bowl
Wiyo Black-on-white (1)	Shallow Bowl
Biscuit A Abiquiu Black-on-gray (5)	Wide Mouth Jar
Biscuit B Bandelier Black-on-gray (3)	Shallow Bowl
Biscuit B Bandelier Black-on-gray (4)	Constricted Bowl
Biscuit B Bandelier Black-on-gray (23)	Shallow Bowl
Sankawi Black-on-tan (9)	Shallow Bowl
Sankawi Black-on-tan (12)	Wide Mouth Jar
Sankawi Black-on-tan (13)	Wide Mouth Jar
Northern Rio Grande Utilityware	
Mudware (2)	Miniature Seed Jar
Smeared Plain Corrugated (19)	Shallow Bowl
Smeared Plain Corrugated (21)	Wide Mouth Jar
Smeared Plain Corrugated (20)	Wide Mouth Jar
Indented Corrugated (18)	Wide Mouth Jar
Sapawe Micaceous (17)	Wide Mouth Jar
Sapawe Micaceous (16)	Wide Mouth Jar
Potsuwi'i Incised (14)	Wide Mouth Jar
Northern Rio Grande Glazeware	
Espinosa Glaze Polychrome, Glaze C (7)	Constricted Bowl
San Lazaro Glaze Black-on-red, Glaze D (11)	Shallow Bowl
San Lazaro Glaze Black-on-red, Glaze D (10)	Shallow Bowl
Kotyiti Glaze-on-red, Glaze F (6)	Constricted Bowl
Jicarilla Apache Utilityware	
Ocate Micaceous (15)	Wide Mouth Jar

Table P.25. Distributions by form for whole vessels.

Miniature Seed Jar
Mudware (2)
Square Bowl
Santa Fe Black-on-white (22)
Constricted Bowls
Biscuit B Bandelier Black-on-gray (4)
Espinosa Glaze Polychrome, Glaze C (7)
Kotyiti Glaze-on-red, Glaze F (6)
Shallow Bowls
Wiyo Black-on-white (1)
Wiyo Black-on-white (8)
Biscuit B Bandelier Black-on-gray (3)
Biscuit B Bandelier Black-on-gray (23)

Sankawi Black-on-tan (9)
Smeared Plain Corrugated (19)
San Lazaro Glaze Black-on-red, Glaze D (10)
San Lazaro Glaze Black-on-red, Glaze D (11)
Wide-Mouth Jars
Biscuit A Abiquiu Black-on-gray (5)
Sankawi Black-on-tan (12)
Sankawi Black-on-tan (13)
Smeared Plain Corrugated (20)
Smeared Plain Corrugated (21)
Indented Corrugated (18)
Sapawe Micaceous (16)
Sapawe Micaceous (17)
Potsuwi'i Incised (14)
Ocate Micaceous (15)

Table P.26. Distribution of whole vessels by site.

LA 169	
(1) Wiyo Black-on-white	Shallow Bowl
LA 170	
(2) Mudware	Miniature Seed Jar
(5) Biscuit A Abiquiu Black-on-gray	Wide Mouth Jar
(3) Biscuit B Bandelier Black-on-gray	Shallow Bowl
(4) Biscuit B Bandelier Black-on-gray	Constricted Bowl
(9) Sankawi Black-on-tan	Shallow Bowl
(12) Sankawi Black-on-tan	Wide Mouth Jar
(13) Sankawi Black-on-tan	Wide Mouth Jar
(7) Espinosa Glaze Polychrome, Glaze C	Constricted Bowl
(14) Potsuwi'i Incised	Wide Mouth Jar
(11) San Lazaro Glaze Black-on-red, Glaze D	Shallow Bowl
(6) Kotyiti Glaze-on-red, Glaze F	Constricted Bowl
LA 4631	
(19) Smeared Plain Corrugated	Shallow Bowl
LA 4712	
(20) Smeared Plain Corrugated	Wide Mouth Jar
UNKNOWN SITE NUMBER	
(21) Smeared Plain Corrugated	Wide Mouth Jar
(18) Indented Corrugated	Wide Mouth Jar
(22) Santa Fe Black-on-white	Square Bowl
(8) Wiyo Black-on-white	Shallow Bowl
(16) Sapawe Micaceous	Wide Mouth Jar
(17) Sapawe Micaceous	Wide Mouth Jar
(23) Biscuit B Bandelier Black-on-gray	Shallow Bowl
(10) San Lazaro Glaze Black-on-red, Glaze D	Shallow Bowl

(15) Ocate Micaceous	Wide Mouth Jar

Table P.27. Distribution of vessels by size.

(2) Mudware	Miniature Seed Jar	0.16
(19) Smeared Plain Corrugated	Shallow Bowl	0.57
(5) Biscuit A Abiquiu Black-on-gray	Wide Mouth Jar	0.74
(22) Santa Fe Black-on-white	Square Bowl	1.82
(11) San Lazaro Glaze Black-on-red, Glaze D	Shallow Bowl	1.84
(18) Indented Corrugated	Wide Mouth Jar	1.95
(7) Espinosa Glaze Polychrome, Glaze C	Constricted Bowl	2.24
(10) San Lazaro Glaze Black-on-red, Glaze D	Shallow Bowl	2.46
(8) Wiyo Black-on-white	Shallow Bowl	2.67
(3) Biscuit B Bandelier Black-on-gray	Shallow Bowl	2.68
(6) Kotyiti Glaze-on-red, Glaze F	Constricted Bowl	3.26
(4) Biscuit B Bandelier Black-on-gray	Constricted Bowl	3.6
(1) Wiyo Black-on-white	Shallow Bowl	6.55
(9) Sankawi Black-on-tan	Shallow Bowl	8.71
(15) Ocate Micaceous	Wide Mouth Jar	10.99
(23) Biscuit B Bandelier Black-on-gray	Shallow Bowl	11.96
(17) Sapawe Micaceous	Wide Mouth Jar	13.75
(21) Smeared Plain Corrugated	Wide Mouth Jar	17.68
(14) Potsuwi'i Incised	Wide Mouth Jar	21.16
(12) Sankawi Black-on-tan	Wide Mouth Jar	21.5
(13) Sankawi Black-on-tan	Wide Mouth Jar	23.07
(20) Smeared Plain Corrugated	Wide Mouth Jar	23.34
(16) Sapawe Micaceous	Wide Mouth Jar	47.8

APPENDIX Q
PETROGRAPHIC TABLES

Table Q.1. Inventory of all sherds selected for petrographic analysis showing object identifier numbers, ceramic type, and site.

Analysis Year	Sample	Object Identifier[a]	Ware[b]	Ceramic type	Site	Period	Site Type
2002	PAX33-001	4624-143-123	Plain	Plain	LA 4624	Early Middle Coalition	Roomblock
2002	PAX33-002	4624-143-124	Plain	Plain	LA 4624	Early Middle Coalition	Roomblock
2002	PAX33-003	4624-1-142	Plain	Plain	LA 4624	Early Middle Coalition	Roomblock
2002	PAX33-004	4624-12-279	Plain	Plain	LA 4624	Early Middle Coalition	Roomblock
2002	PAX33-005	4624-21-360	Santa Fe	Santa Fe B/w	LA 4624	Early Middle Coalition	Roomblock
2002	PAX33-006	4624-49-595	Corrugated	Indented corrugated	LA 4624	Early Middle Coalition	Roomblock
2002	PAX33-007	4624-50-606	Santa Fe	Santa Fe	LA 4624	Early Middle Coalition	Roomblock
2002	PAX33-008	4624-61-695	Plain	Plain	LA 4624	Early Middle Coalition	Roomblock
2002	PAX33-009	4624-154-780	Corrugated	Smeared-indented corrugated	LA 4624	Early Middle Coalition	Roomblock
2002	PAX33-010	4624-48-794	Santa Fe	Santa Fe B/w	LA 4624	Early Middle Coalition	Roomblock
2002	PAX33-011	4624-152-833	Santa Fe	Santa Fe	LA 4624	Early Middle Coalition	Roomblock
2002	PAX33-012	4624-152-837	Corrugated	Indented corrugated	LA 4624	Early Middle Coalition	Roomblock
2002	PAX33-013	4624-126-991	Corrugated	Indented corrugated	LA 4624	Early Middle Coalition	Roomblock
2002	PAX33-014	4624-185-1021	Santa Fe	Santa Fe B/w	LA 4624	Early Middle Coalition	Roomblock
2002	PAX33-015	4624-125-1043	Corrugated	Smeared-indented corrugated	LA 4624	Early Middle Coalition	Roomblock
2002	PAX33-016	4624-95-1080	Plain	Plain	LA 4624	Early Middle Coalition	Roomblock
2002	PAX33-017	4624-85-1149	Corrugated	Indented corrugated	LA 4624	Early Middle Coalition	Roomblock
2002	PAX33-018	4624-86-1151	Plain	Plain	LA 4624	Early Middle Coalition	Roomblock
2004	PAX37-0001	86534-351-2	Corrugated	Smeared-indented corrugated	LA 86534	Middle Coalition	Roomblock
2004	PAX37-0002	86534-585-2	Corrugated	Indented corrugated	LA 86534	Middle Coalition	Roomblock
2004	PAX37-0003	86534-596-7	Corrugated	Smeared-indented corrugated	LA 86534	Middle Coalition	Roomblock
2004	PAX37-0004	86534-666-1	Santa Fe	Santa Fe B/w	LA 86534	Middle Coalition	Roomblock
2004	PAX37-0005	86534-708-2	Santa Fe	Santa Fe B/w	LA 86534	Middle Coalition	Roomblock
2004	PAX37-0006	86534-708-2	Santa Fe	Santa Fe B/w	LA 86534	Middle Coalition	Roomblock

Analysis Year	Sample	Object Identifier[a]	Ware[b]	Ceramic type	Site	Period	Site Type
2004	PAX37-0007	86534-708-2	Santa Fe	Santa Fe B/w	LA 86534	Middle Coalition	Roomblock
2004	PAX37-0008	86534-708-26	Corrugated	Smeared-indented corrugated	LA 86534	Middle Coalition	Roomblock
2004	PAX37-0009	86534-735-7	Santa Fe	Santa Fe B/w	LA 86534	Middle Coalition	Roomblock
2004	PAX37-0010	86534-735-12	Corrugated	Smeared-indented corrugated	LA 86534	Middle Coalition	Roomblock
2004	PAX37-0011	86534-1712-7	Corrugated	Indented corrugated	LA 86534	Middle Coalition	Roomblock
2004	PAX37-0012	86534-1748-12	Santa Fe	Santa Fe B/w	LA 86534	Middle Coalition	Roomblock
2004	PAX37-0013	86534-1748-13	Santa Fe	Santa Fe B/w	LA 86534	Middle Coalition	Roomblock
2004	PAX37-0014	86534-1596-1	Corrugated	Indented corrugated	LA 86534	Middle Coalition	Roomblock
2004	PAX37-0015	86637-79-1	Biscuit	Biscuit	LA 86637	Late Archaic; Middle Classic; Historic	Lithic/Ceramic Scatter
2004	PAX37-0016	86637-84-1	Santa Fe	Santa Fe B/w	LA 86637	Late Archaic; Middle Classic; Historic	Lithic/Ceramic Scatter
2004	PAX37-0017	86637-7-1	Corrugated	Smeared-indented corrugated	LA 86637	Late Archaic; Middle Classic; Historic	Lithic/Ceramic Scatter
2004	PAX37-0018	86637-109-1	Corrugated	Smeared corrugated	LA 86637	Late Archaic; Middle Classic; Historic	Lithic/Ceramic Scatter
2004	PAX37-0019	86637-110-1	Corrugated	Smeared corrugated	LA 86637	Late Archaic; Middle Classic; Historic	Lithic/Ceramic Scatter
2004	PAX37-0020	12587-3244-5	Corrugated	Smeared corrugated	LA 12587	middle Late Coalition/Classic	Roomblock/ Fieldhouse
2004	PAX37-0021	12587-3244-15	Santa Fe	Santa Fe B/w	LA 12587	middle Late Coalition/Classic	Roomblock/ Fieldhouse
2004	PAX37-0022	12587-3908-37	Corrugated	Indented corrugated	LA 12587	middle Late Coalition/Classic	Roomblock/ Fieldhouse
2004	PAX37-0023	12587-3908-18	Santa Fe	Santa Fe B/w	LA 12587	middle Late Coalition/Classic	Roomblock/ Fieldhouse
2004	PAX37-0024	12587-3908-18	Santa Fe	Santa Fe B/w	LA 12587	middle Late Coalition/Classic	Roomblock/ Fieldhouse
2004	PAX37-0025	12587-3908-43	Corrugated	Smeared-indented corrugated	LA 12587	middle Late Coalition/Classic	Roomblock/ Fieldhouse
2004	PAX37-0026	12587-3908-45	Corrugated	Smeared-indented corrugated	LA 12587	middle Late Coalition/Classic	Roomblock/ Fieldhouse
2004	PAX37-0027	12587-3228-9	Santa Fe	Santa Fe B/w	LA 12587	middle Late Coalition/Classic	Roomblock/

Analysis Year	Sample	Object Identifier[a]	Ware[b]	Ceramic type	Site	Period	Site Type
							Fieldhouse
2004	PAX37-0028	12587-3228-9	Santa Fe	Santa Fe B/w	LA 12587	middle Late Coalition/Classic	Roomblock/ Fieldhouse
2004	PAX37-0029	12587-3228-11	Santa Fe	Santa Fe B/w	LA 12587	middle Late Coalition/Classic	Roomblock/ Fieldhouse
2004	PAX37-0030	12587-3228-27	Corrugated	Smeared-indented corrugated	LA 12587	middle Late Coalition/Classic	Roomblock/ Fieldhouse
2004	PAX37-0031	12587-3228-27	Corrugated	Indented corrugated	LA 12587	middle Late Coalition/Classic	Roomblock/ Fieldhouse
2004	PAX37-0032	12587-3233-5	Santa Fe	Santa Fe B/w	LA 12587	middle Late Coalition/Classic	Roomblock/ Fieldhouse
2004	PAX37-0033	12587-3233-5	Santa Fe	Santa Fe B/w	LA 12587	middle Late Coalition/Classic	Roomblock/ Fieldhouse
2004	PAX37-0034	12587-3233-5	Santa Fe	Santa Fe B/w	LA 12587	middle Late Coalition/Classic	Roomblock/ Fieldhouse
2004	PAX37-0035	12587-3233-5	Corrugated	Smeared-indented corrugated	LA 12587	middle Late Coalition/Classic	Roomblock/ Fieldhouse
2004	PAX37-0036	12587-3233-5	Corrugated	Smeared-indented corrugated	LA 12587	middle Late Coalition/Classic	Roomblock/ Fieldhouse
2004	PAX37-0037	128804-90-1	Corrugated	Smeared-indented corrugated	LA 128804	Historic with Late Classic?	Check dam
2004	PAX37-0038	128804-167-1	Biscuit	Biscuit B	LA 128804	Historic with Late Classic?	Check dam
2004	PAX37-0039	128804-128-4	Biscuit	Biscuit	LA 128804	Historic with Late Classic?	Check dam
2004	PAX37-0040	128804-230-1	Biscuit	Biscuit	LA 128804	Historic with Late Classic?	Check dam
2004	PAX37-0041	128804-179-1	Corrugated	Smeared-indented corrugated	LA 128804	Historic with Late Classic?	Check dam
2004	PAX37-0042	128805-158-1	Biscuit	Biscuit B	LA 128805	Late Classic	Fieldhouse
2004	PAX37-0043	128805-232-1	Corrugated	Smeared-indented corrugated	LA 128805	Late Classic	Fieldhouse
2004	PAX37-0044	128805-197-2	Biscuit	Biscuit	LA 128805	Late Classic	Fieldhouse
2004	PAX37-0045	128805-203-2	Plain	Plainware rim	LA 128805	Late Classic	Fieldhouse
2004	PAX37-0046	21596-17-5	Biscuit	Biscuit B	LA 21596	Coalition/Classic	Grid garden
2004	PAX37-0047	21596-12-17	Plain	Thin Plainware	LA 21596B	Coalition/Classic	Grid garden
2004	PAX37-0048	21596-12-2	Biscuit	Biscuit B	LA 21596B	Coalition/Classic	Grid garden
2004	PAX37-0049	21596-9-17	Plain	Thin Plainware	LA 21596	Coalition/Classic	Grid garden
2004	PAX37-0050	21596-9-5	Biscuit	Biscuit B	LA 21596B	Coalition/Classic	Grid garden
2004	PAX37-0051	21596-16-4	Sapawi'i	Sapawi'i	LA 21596B	Coalition/Classic	Grid garden

Analysis Year	Sample	Object Identifier[a]	Ware[b]	Ceramic type	Site	Period	Site Type
				Micaceous			
2004	PAX37-0052	21596-19-11	Biscuit	Biscuit B	LA 21596	Coalition/Classic	Grid garden
2004	PAX37-0053	86534-735-1	Santa Fe	Santa Fe B/w	LA 86534	Middle Coalition	Roomblock
2004	PAX37-0054	127625-22-1	Biscuit	Biscuit B	LA 127625	Und. Coalition	Lithic/Ceramic Scatter
2004	PAX37-0055	127625-64-1	Corrugated	Smeared corrugated	LA 127625	Und. Coalition	Lithic/Ceramic Scatter
2004	PAX37-0056	12587-2127-8	Corrugated	Smeared corrugated	LA 12587	middle Late Coalition/Classic	Roomblock/ Fieldhouse
2004	PAX37-0057	12587-2127-24	Santa Fe	Santa Fe B/w	LA 12587	middle Late Coalition/Classic	Roomblock/ Fieldhouse
2004	PAX37-0058	12587-40414-33	Santa Fe	Santa Fe B/w	LA 12587	middle Late Coalition/Classic	Roomblock/ Fieldhouse
2004	PAX37-0059	12587-40414-8	Corrugated	Smeared corrugated	LA 12587	middle Late Coalition/Classic	Roomblock/ Fieldhouse
2004	PAX37-0060	86534-1688-8	Santa Fe	Santa Fe B/w	LA 86534	Middle Coalition	Roomblock
2005	PAX41-0139-2	135290-0139-2	Santa Fe	Santa Fe B/w	LA 135290	Late Coalition	Pueblo
2005	PAX41-0166-1	4618-0166-7	Corrugated	Smeared Corrugated	LA 4618	Middle Coalition	Roomblock
2005	PAX41-0166-2	4618-0166-1	Santa Fe	Santa Fe B/w	LA 4618	Middle Coalition	Roomblock
2005	PAX41-0171-1	4618-0171-6	Corrugated	Smeared Corrugated	LA 4618	Middle Coalition	Roomblock
2005	PAX41-0171-2	4618-0171-1	Santa Fe	Santa Fe B/w	LA 4618	Middle Coalition	Roomblock
2005	PAX41-0197-1	4618-0197-12	Corrugated	Smeared Corrugated	LA 4618	Middle Coalition	Roomblock
2005	PAX41-0197-2	4618-0197-4	Santa Fe	Santa Fe B/w	LA 4618	Middle Coalition	Roomblock
2005	PAX41-0204-1	4618-0204-13	Corrugated	Smeared Corrugated	LA 4618	Middle Coalition	Roomblock
2005	PAX41-0204-2	4618-0204-1	Santa Fe	Santa Fe B/w	LA 4618	Late Coalition	Pueblo
2005	PAX41-0248-01	135290-0248-1	Corrugated	Smeared Corrugated	LA 135290	Late Coalition	Pueblo
2005	PAX41-0248-1	4618-0248-9	Corrugated	Smeared Corrugated	LA 4618	Late Coalition	Pueblo
2005	PAX41-0248-2	4618-0248-6	Santa Fe	Santa Fe B/w	LA 4618	Late Coalition	Pueblo
2005	PAX41-0256-1	99396-0256-1	Corrugated	Smeared Corrugated	LA 99396	Late Coalition	Pueblo
2005	PAX41-0371-1	4618-0371-7	Corrugated	Smeared	LA 4618	Late Coalition	Pueblo

Analysis Year	Sample	Object Identifier[a]	Ware[b]	Ceramic type	Site	Period	Site Type
				Corrugated			
2005	PAX41-0371-2	4618-0371-12	Santa Fe	Santa Fe B/w	LA 4618	Late Coalition	Pueblo
2005	PAX41-0456-1	99396-0456-1	Corrugated	Smeared Corrugated	LA 99396	Late Coalition	Pueblo
2005	PAX41-0579-1	4618-0579-12	Corrugated	Smeared Corrugated	LA 4618	Late Coalition	Pueblo
2005	PAX41-0579-2	4618-0579-6	Santa Fe	Santa Fe B/w	LA 4618	Late Coalition	Pueblo
2005	PAX41-0631-1	99396-0631-1	Corrugated	Smeared Corrugated	LA 99396	Late Coalition	Pueblo
2005	PAX41-0642-1	4618-0642-30	Corrugated	Smeared Corrugated	LA 4618	Late Coalition	Pueblo
2005	PAX41-0642-2	4618-0642-15	Santa Fe	Santa Fe B/w	LA 4618	Late Coalition	Pueblo
2005	PAX41-0652-1	4618-0652-7	Corrugated	Smeared Corrugated	LA 4618	Late Coalition	Pueblo
2005	PAX41-0652-2	4618-0652-21	Santa Fe	Santa Fe B/w	LA 4618	Late Coalition	Pueblo
2005	PAX41-0715-1	4618-0715-15	Corrugated	Smeared Corrugated	LA 4618	Late Coalition	Pueblo
2005	PAX41-0715-2	4618-0715-8	Santa Fe	Santa Fe B/w	LA 4618	Late Coalition	Pueblo
2005	PAX41-0872-1	135290-872-5	Santa Fe	Santa Fe B/w	LA 135290	Middle Coalition	Roomblock
2005	PAX41-0925-2	135290-0925-1	Santa Fe	Santa Fe B/w	LA 135290	Late Archaic; Und.	Lithic scatter; 1-room
2005	PAX41-0942-1	135290-0942-2	Corrugated	Smeared Corrugated	LA 135290	Late Archaic; Und.	Lithic scatter; 1-room
2005	PAX41-0969-1	135290-969-1	Santa Fe	Santa Fe B/w	LA 135290	Middle Coalition	Roomblock
2005	PAX41-1254-01	135290-1254-1	Santa Fe	Santa Fe B/w	LA 135290	Middle Coalition	Roomblock
2005	PAX41-1254-1	135290-1254-15	Corrugated	Smeared Corrugated	LA 135290	Middle Coalition	Roomblock
2005	PAX41-1254-2	135290-1254-3	Santa Fe	Santa Fe B/w	LA 135290	Middle Coalition	Roomblock
2005	PAX41-1352-1	135290-1352-8	Corrugated	Smeared Corrugated	LA 135290	Middle Coalition	Roomblock
2005	PAX41-1352-2	135290-1352-1	Santa Fe	Santa Fe B/w	LA 135290	Middle Coalition	Roomblock
2005	PAX41-1384-1	135290-1384-3	Corrugated	Smeared Corrugated	LA 135290	Middle Coalition	Roomblock
2005	PAX41-1384-2	135290-1384-1	Santa Fe	Santa Fe B/w	LA 135290	Middle Coalition	Roomblock
2005	PAX41-1753-1	135290-1753-8	Corrugated	Smeared Corrugated	LA 135290	Middle Coalition	Roomblock
2005	PAX41-1753-2	135290-1753-2	Santa Fe	Santa Fe B/w	LA 135290	Middle Coalition	Roomblock

Analysis Year	Sample	Object Identifier[a]	Ware[b]	Ceramic type	Site	Period	Site Type
2005	PAX41-1900-1	135290-1900-10	Corrugated	Smeared Corrugated	LA 135290	Middle Coalition	Roomblock
2005	PAX41-1900-2	135290-1900-3	Santa Fe	Santa Fe B/w	LA 135290	Middle Coalition	Roomblock
2005	PAX41-2106-2	135290-2106-2	Corrugated	corr or washboard	LA 135290	Middle Coalition	Roomblock
2005	PAX41-2202-2	135290-2202-1	Santa Fe	Santa Fe B/w	LA 135290	Late Coalition	Pueblo
2005	PAX41-2307-1	135290-2307-7	Corrugated	Smeared Corrugated	LA 135290	Late Coalition	Pueblo
2005	PAX41-2307-2	135290-2307-5	Santa Fe	Santa Fe B/w	LA 135290	Middle Coalition	Roomblock
2005	PAX41-2351-1	135290-2351-8	Corrugated	Smeared Corrugated	LA 135290	Late Coalition	Pueblo
2005	PAX41-2351-2	135290-2351-5	Santa Fe	Santa Fe B/w	LA 135290	Middle Coalition	Roomblock
2005	PAX41-2421-1	135290-2421-17	Corrugated	Smeared Corrugated	LA 135290	Middle Coalition	Roomblock
2006	LANL4-0001	15116-016-01	Biscuit	Biscuit	LA 15116	Late Classic	Fieldhouse
2006	LANL4-0002	15116-057-01	Sapawi'i	Sapawi'i Micaceous	LA 15116	Late Classic	Fieldhouse
2006	LANL4-0003	70025-032-01	Sapawi'i	Sapawi'i Micaceous	LA 70025	Late Classic	Fieldhouse
2006	LANL4-0004	70025-044-02	Biscuit	Biscuit B	LA 70025	Late Classic	Fieldhouse
2006	LANL4-0005	85404-083-03	Corrugated	Smeared-indented corrugated	LA 85404	Coalition/Classic	Fieldhouse
2006	LANL4-0006	85404-086-02	Santa Fe	Santa Fe B/w	LA 85404	Coalition/Classic	Fieldhouse
2006	LANL4-0007	85404-086-03	Sapawi'i	Sapawi'i Micaceous	LA 85404	Coalition/Classic	Fieldhouse
2006	LANL4-0008	85404-011-01	Biscuit	Biscuit	LA 85404	Coalition/Classic	Fieldhouse
2006	LANL4-0009	86605-83-02	Biscuit	Biscuit B	LA 86605	Late Classic	Fieldhouse
2006	LANL4-0010	86605-97-01	Biscuit	Biscuit B	LA 86605	Late Classic	Fieldhouse
2006	LANL4-0011	87430-012-03	Sapawi'i	Sapawi'i Micaceous	LA 87430	Late Classic	Fieldhouse
2006	LANL4-0012	87430-014-01	Sapawi'i	Sapawi'i Micaceous	LA 87430	Late Classic	Fieldhouse
2006	LANL4-0013	87430-019-01	Biscuit	Biscuit B	LA 87430	Late Classic	Fieldhouse
2006	LANL4-0014	87430-088-03	Biscuit	Biscuit B	LA 87430	Late Classic	Fieldhouse
2006	LANL4-0015	87430-092-02	Sapawi'i	Sapawi'i Micaceous	LA 87430	Late Classic	Fieldhouse
2006	LANL4-0016	87430-106-01	Biscuit	Biscuit	LA 87430	Late Classic	Fieldhouse
2006	LANL4-0017	127627-090-03	Plain	Plain gray	LA 127627	Und. Classic	Fieldhouse

Analysis Year	Sample	Object Identifier[a]	Ware[b]	Ceramic type	Site	Period	Site Type
2006	LANL4-0018	127634-034-01	Biscuit	Biscuit A	LA 127634	Late Classic	Fieldhouse
2006	LANL4-0019	127634-100-04	Biscuit	Biscuit B	LA 127634	Late Classic	Fieldhouse
2006	LANL4-0020	127634-067-01	Sapawi'i	Sapawi'i Micaceous	LA 127634	Late Classic	Fieldhouse
2006	LANL4-0021	127635-002-01	Corrugated	Smeared Corrugated	LA 127635	Coalition/Classic	Fieldhouse
2006	LANL4-0022	127635-005-02	Corrugated	Smeared-indented Corrugated	LA 127635	Coalition/Classic	Fieldhouse
2006	LANL4-0023	127635-068-04	Corrugated	Smeared-indented Corrugated	LA 127635	Coalition/Classic	Fieldhouse
2006	LANL4-0024	127635-031-01	Sapawi'i	Sapawi'i Micaceous	LA 127635	Coalition/Classic	Fieldhouse
2006	LANL4-0025	127635-037-04	Santa Fe	Santa Fe B/w	LA 127635	Coalition/Classic	Fieldhouse
2006	LANL4-0026	127635-039-03	Corrugated	Smeared-indented corrugated	LA 127635	Coalition/Classic	Fieldhouse
2006	LANL4-0027	127635-064-05	Corrugated	Smeared-indented corrugated	LA 127635	Coalition/Classic	Fieldhouse
2006	LANL4-0028	127635-106-01	Corrugated	Smeared-indented corrugated	LA 127635	Coalition/Classic	Fieldhouse
2006	LANL4-0029	127635-129-01	Biscuit	Biscuit A	LA 127635	Coalition/Classic	Fieldhouse
2006	LANL4-0030	127635-146-01	Biscuit	Biscuit B	LA 127635	Coalition/Classic	Fieldhouse
2006	LANL4-0031	135291-038-01	Corrugated	Smeared-indented corrugated	LA 135291	Early Classic	Fieldhouse
2006	LANL4-0032	135291-072-01	Biscuit	Biscuit B	LA 135291	Early Classic	Fieldhouse
2006	LANL4-0033	135292-023-02	Corrugated	Smeared Corrugated	LA 135292	Late Classic	Fieldhouse
2006	LANL4-0034	135292-025-02	Biscuit	Biscuit B	LA 135292	Late Classic	Fieldhouse
2006	LANL4-0035	135292-046-02	Biscuit	Biscuit	LA 135292	Late Classic	Fieldhouse
2007	LANL5-01	85408-31-1	Biscuit	Biscuit B	LA 85408	Late Classic	Fieldhouse
2007	LANL5-02	85411-97-1	Biscuit	Biscuit A	LA 85411	Early-Late Classic	Fieldhouse
2007	LANL5-03	85413-103-1	Biscuit	Biscuit A	LA 85413	Early Classic	Fieldhouse
2007	LANL5-04	85413-79-1	Biscuit	Biscuit A	LA 85413	Early Classic	Fieldhouse
2007	LANL5-05	85408-60-4	Biscuit	Biscuit B	LA 85408	Late Classic	Fieldhouse
2007	LANL5-06	85411-14-1	Biscuit	Biscuit B	LA 85411	Early-Late Classic	Fieldhouse
2007	LANL5-07	85411-97-3	Biscuit	Biscuit B	LA 85411	Early-Late Classic	Fieldhouse
2007	LANL5-08	85413-97-1	Sapawi'i	Sapawi'i Micaceous	LA 85413	Early Classic	Fieldhouse

Analysis Year	Sample	Object Identifier[a]	Ware[b]	Ceramic type	Site	Period	Site Type
2007	LANL5-09	85413-164-1	Sapawi'i	Sapawi'i Micaceous	LA 85413	Early Classic	Fieldhouse
2007	LANL5-10	85413-89-1	Sapawi'i	Sapawi'i Micaceous	LA 85413	Early Classic	Fieldhouse
2007	LANL5-11	85413-71-2	Sapawi'i	Sapawi'i Micaceous	LA 85413	Early Classic	Fieldhouse
2007	LANL5-12	85413-79-2	Sapawi'i	Sapawi'i Micaceous	LA 85413	Early Classic	Fieldhouse
2007	LANL5-13	86606-67-4	Corrugated	Smeared Corrugated	LA 86606	Coalition/Classic	Fieldhouse
2007	LANL5-14	86606-40-1	Corrugated	Smeared Corrugated	LA 86606	Coalition/Classic	Fieldhouse
2007	LANL5-15	85417-143-1	Corrugated	Smeared Corrugated	LA 85417	Coalition/Classic	Fieldhouse

aSome sherds could not be thin-sectioned for size or other considerations, but this inventory preserves the complete original list of sherds sent for analysis.
bThis column contains object-specific identifier information, in the format "Site-Accession code-Catalog number" or "Site-Provenience code-Object number."

Table Q.2. Inventory of all sherds selected for petrographic analysis showing temper characterization.

Analysis Year	Sample	Object Identifier[a]	Ceramicist's Temper Designation (if available)	Petrographer's Original Temper Designation	Final Temper Type	Final Temper Group
2002	PAX33-001	4624-143-123	-	Sand	Sand	Anthill
2002	PAX33-002	4624-143-124	-	Sand	Sand	Anthill
2002	PAX33-003	4624-1-142	-	Sand	Sand	Anthill
2002	PAX33-004	4624-12-279	-	Sand	Sand	Granitic
2002	PAX33-005	4624-21-360	-	Sand	Sand	Anthill
2002	PAX33-006	4624-49-595	-	Sand	Sand	Anthill
2002	PAX33-007	4624-50-606	-	Sand	Sand	Anthill
2002	PAX33-008	4624-61-695	-	Sand	Sand	Anthill
2002	PAX33-009	4624-154-780	-	Sand	Sand	Anthill
2002	PAX33-010	4624-48-794	-	Sand	Sand	Anthill
2002	PAX33-011	4624-152-833	-	Sand	Tuff	Tuff 2
2002	PAX33-012	4624-152-837	-	Sand	Sand	Anthill
2002	PAX33-013	4624-126-991	-	Sand	Sand	Granitic
2002	PAX33-014	4624-185-1021	-	Sand	Sand	Anthill
2002	PAX33-015	4624-125-1043	-	Sand	Sand	Anthill
2002	PAX33-016	4624-95-1080	-	Sand	Sand	Anthill
2002	PAX33-017	4624-85-1149	-	Sand	Sand	Anthill
2002	PAX33-018	4624-86-1151	-	Sand	Sand	Anthill
2004	PAX37-0001	86534-351-2	Anthill sand	Anthill	Sand	Anthill
2004	PAX37-0002	86534-585-2	Anthill sand	Anthill	Sand	Anthill
2004	PAX37-0003	86534-596-7	Anthill sand	Anthill	Sand	Anthill
2004	PAX37-0004	86534-666-1	Fine tuff or ash	Tuff 2	Tuff	Tuff 2
2004	PAX37-0005	86534-708-2	Fine tuff or ash	Tuff 2	Tuff	Tuff 2
2004	PAX37-0006	86534-708-2	Fine tuff or ash	Tuff 1	Sand	Anthill
2004	PAX37-0007	86534-708-2	Fine tuff or ash	Tuff 2	Sand	Anthill
2004	PAX37-0008	86534-708-26	Anthill sand	-	-	-
2004	PAX37-0009	86534-735-7	Fine tuff or ash, with shale	Tuff 2	Sand	Anthill
2004	PAX37-0010	86534-735-12	Anthill sand	Anthill	Sand	Anthill
2004	PAX37-0011	86534-1712-7	Anthill sand	Anthill	Sand	Anthill
2004	PAX37-0012	86534-1748-12	Fine tuff or ash	Tuff 2	Tuff	Tuff 2
2004	PAX37-0013	86534-1748-13	Fine tuff or ash	Tuff 2	Sand	Anthill
2004	PAX37-0014	86534-1596-1	Anthill sand	Anthill	Sand	Anthill
2004	PAX37-0015	86637-79-1	Fine tuff or ash	Tuff 1	Tuff	Tuff 1
2004	PAX37-0016	86637-84-1	Fine tuff or ash	Tuff 2	Tuff	Tuff 2

Analysis Year	Sample	Object Identifier[a]	Ceramicist's Temper Designation (if available)	Petrographer's Original Temper Designation	Final Temper Type	Final Temper Group
2004	PAX37-0017	86637-7-1	Anthill sand	Anthill	Sand	Anthill
2004	PAX37-0018	86637-109-1	Granite with mica	Granitic	Sand	Granitic
2004	PAX37-0019	86637-110-1	Anthill sand	Anthill	Sand	Anthill
2004	PAX37-0020	12587-3244-5	Anthill sand	Anthill	Sand	Anthill
2004	PAX37-0021	12587-3244-15	Tuff and sand	Tuff 1	Tuff	Tuff 1
2004	PAX37-0022	12587-3908-37	Anthill sand	Anthill	Sand	Anthill
2004	PAX37-0023	12587-3908-18	Fine tuff or ash	Tuff 2	Tuff	Tuff 2
2004	PAX37-0024	12587-3908-18	Fine tuff or ash	Tuff 2	Tuff	Tuff 2
2004	PAX37-0025	12587-3908-43	Anthill sand	Anthill	Sand	Anthill
2004	PAX37-0026	12587-3908-45	Anthill sand	Anthill	Sand	Anthill
2004	PAX37-0027	12587-3228-9	Tuff and anthill	Tuff 2	Tuff	Tuff 2
2004	PAX37-0028	12587-3228-9	Tuff and anthill	Tuff 2	Tuff	Tuff 1
2004	PAX37-0029	12587-3228-11	Tuff and anthill	Tuff 2	Tuff	Tuff 2
2004	PAX37-0030	12587-3228-27	Anthill sand	Anthill	Sand	Anthill
2004	PAX37-0031	12587-3228-27	Anthill sand	Anthill	Sand	Anthill
2004	PAX37-0032	12587-3233-5	Fine tuff or ash	Tuff 2	Tuff	Tuff 2
2004	PAX37-0033	12587-3233-5	Fine tuff or ash	Tuff 2	Tuff	Tuff 2
2004	PAX37-0034	12587-3233-5	Fine tuff or ash with shale	Anthill/Clay	Sand	Anthill
2004	PAX37-0035	12587-3233-5	Anthill sand	Anthill/Clay	Sand	Anthill
2004	PAX37-0036	12587-3233-5	Anthill sand	Anthill	Sand	Anthill
2004	PAX37-0037	128804-90-1	Anthill sand	Granitic	Sand	Granitic
2004	PAX37-0038	128804-167-1	Fine tuff or ash	Tuff 1	Tuff	Tuff 1
2004	PAX37-0039	128804-128-4	Fine tuff or ash	Tuff 1	Tuff	Tuff 2
2004	PAX37-0040	128804-230-1	Fine tuff or ash	Tuff 1	Tuff	Tuff 1
2004	PAX37-0041	128804-179-1	Anthill sand	Anthill	Sand	Anthill
2004	PAX37-0042	128805-158-1	Fine tuff or ash	Tuff 1	Tuff	Tuff 1
2004	PAX37-0043	128805-232-1	Anthill sand	Anthill	Sand	Anthill
2004	PAX37-0044	128805-197-2	Fine tuff or ash	Tuff 1	Tuff	Tuff 1
2004	PAX37-0045	128805-203-2	Anthill sand?	Granitic	Sand	Granitic
2004	PAX37-0046	21596-17-5	Ash, mica and sand	Tuff 1	Tuff	Tuff 1
2004	PAX37-0047	21596-12-17	Granite with mica	Tuff 2	Tuff	Tuff Other
2004	PAX37-0048	21596-12-2	Tuff and phenocrystals	Tuff 1	Tuff	Tuff 1
2004	PAX37-0049	21596-9-17	Granite with mica	Granitic	Sand	Granitic
2004	PAX37-0050	21596-9-5	Fine tuff or ash	Tuff 1	Tuff	Tuff 1
2004	PAX37-0051	21596-16-4	Granite with mica	Granitic	Sand	Granitic
2004	PAX37-0052	21596-19-11	Fine tuff or ash	Tuff 1	Tuff	Tuff 1
2004	PAX37-0053	86534-735-1	Fine tuff or ash	Tuff 1	Tuff	Tuff 1

Analysis Year	Sample	Object Identifier[a]	Ceramicist's Temper Designation (if available)	Petrographer's Original Temper Designation	Final Temper Type	Final Temper Group
2004	PAX37-0054	127625-22-1	Tuff and phenocrystals	Tuff 1	Tuff	Tuff 1
2004	PAX37-0055	127625-64-1	Anthill sand	-	-	-
2004	PAX37-0056	12587-2127-8	Anthill sand	Anthill	Sand	Anthill
2004	PAX37-0057	12587-2127-24	Indeterminate	Sedimentary	Sedimentary	Sedimentary
2004	PAX37-0058	12587-40414-33	Indeterminate	Tuff 1	Tuff	Tuff 2
2004	PAX37-0059	12587-40414-8	Indeterminate	Anthill	Sand	Anthill
2004	PAX37-0060	86534-1688-8	Fine tuff or ash	Tuff 2	Tuff	Tuff 2
2005	PAX41-0139-2	135290-0139-2	-	-	-	-
2005	PAX41-0166-1	4618-0166-7	-	Anthill	Sand	Anthill
2005	PAX41-0166-2	4618-0166-1	-	-	-	-
2005	PAX41-0171-1	4618-0171-6	-	Anthill	Sand	Anthill
2005	PAX41-0171-2	4618-0171-1	-	Anthill	Sand	Anthill
2005	PAX41-0197-1	4618-0197-12	-	Anthill	Sand	Anthill
2005	PAX41-0197-2	4618-0197-4	-	Tuff 1	Tuff	Tuff 2
2005	PAX41-0204-1	4618-0204-13	-	Anthill	Sand	Anthill
2005	PAX41-0204-2	4618-0204-1	-	Granitic	Sand	Anthill
2005	PAX41-0248-01	135290-0248-1	-	Anthill	Sand	Anthill
2005	PAX41-0248-1	4618-0248-9	-	Anthill	Sand	Anthill
2005	PAX41-0248-2	4618-0248-6	-	Tuff 1	Tuff	Tuff 1
2005	PAX41-0256-1	99396-0256-1	-	-	-	-
2005	PAX41-0371-1	4618-0371-7	-	Anthill	Sand	Anthill
2005	PAX41-0371-2	4618-0371-12	-	Tuff 1	Tuff	Tuff 1
2005	PAX41-0456-1	99396-0456-1	-	Anthill	Sand	Anthill
2005	PAX41-0579-1	4618-0579-12	-	Anthill	Sand	Anthill
2005	PAX41-0579-2	4618-0579-6	-	Granitic	Sand	Anthill
2005	PAX41-0631-1	99396-0631-1	-	Anthill	Sand	Anthill
2005	PAX41-0642-1	4618-0642-30	-	Anthill	Sand	Anthill
2005	PAX41-0642-2	4618-0642-15	-	Tuff 1	Tuff	Tuff 1
2005	PAX41-0652-1	4618-0652-7	-	Anthill	Sand	Anthill
2005	PAX41-0652-2	4618-0652-21	-	Tuff 1	Tuff	Tuff 2
2005	PAX41-0715-1	4618-0715-15	-	Anthill	Sand	Anthill
2005	PAX41-0715-2	4618-0715-8	-	Tuff 1	Tuff	Tuff 1
2005	PAX41-0872-1	135290-872-5	-	Anthill/Clay	Sand	Tuff/sand/clay
2005	PAX41-0925-2	135290-0925-1	-	Anthill/Clay	Sand	Tuff/sand/clay
2005	PAX41-0942-1	135290-0942-2	-	Anthill	Sand	Anthill
2005	PAX41-0969-1	135290-969-1	-	Anthill/Clay	Sand	Tuff/sand/clay

Analysis Year	Sample	Object Identifier[a]	Ceramicist's Temper Designation (if available)	Petrographer's Original Temper Designation	Final Temper Type	Final Temper Group
2005	PAX41-1254-01	135290-1254-1	-	Anthill/Clay	Sand	Tuff/sand/clay
2005	PAX41-1254-1	135290-1254-15	-	Anthill	Sand	Anthill
2005	PAX41-1254-2	135290-1254-3	-	Anthill/Clay	Sand	Tuff/sand/clay
2005	PAX41-1352-1	135290-1352-8	-	Anthill	Sand	Anthill
2005	PAX41-1352-2	135290-1352-1	-	Anthill/Clay	Tuff	Tuff/sand/clay
2005	PAX41-1384-1	135290-1384-3	-	Anthill	Sand	Anthill
2005	PAX41-1384-2	135290-1384-1	-	Anthill/Clay	Sand	Tuff/sand/clay
2005	PAX41-1753-1	135290-1753-8	-	Anthill	Sand	Anthill
2005	PAX41-1753-2	135290-1753-2	-	-	-	-
2005	PAX41-1900-1	135290-1900-10	-	Anthill	Sand	Anthill
2005	PAX41-1900-2	135290-1900-3	-	Anthill/Clay	Sand	Tuff/sand/clay
2005	PAX41-2106-2	135290-2106-2	-	Anthill	Sand	Anthill
2005	PAX41-2202-2	135290-2202-1	-	Anthill/Clay	Sand	Tuff/sand/clay
2005	PAX41-2307-1	135290-2307-7	-	Anthill	Sand	Anthill
2005	PAX41-2307-2	135290-2307-5	-	-	-	-
2005	PAX41-2351-1	135290-2351-8	-	Anthill	Sand	Anthill
2005	PAX41-2351-2	135290-2351-5	-	-	-	-
2005	PAX41-2421-1	135290-2421-17	-	-	-	-
2006	LANL4-0001	15116-016-01	Fine tuff	Tuff 1	Tuff	Tuff 1
2006	LANL4-0002	15116-057-01	Granitic (micaceous)	Granitic	Sand	Granitic
2006	LANL4-0003	70025-032-01	Granitic (micaceous)	Granitic	Sand	Granitic
2006	LANL4-0004	70025-044-02	Fine tuff	-	-	-
2006	LANL4-0005	85404-083-03	Anthill sand	Anthill	Sand	Anthill
2006	LANL4-0006	85404-086-02	Fine tuff	Tuff 1	Tuff	Tuff 1
2006	LANL4-0007	85404-086-03	Granitic (micaceous)	Granitic	Sand	Granitic
2006	LANL4-0008	85404-011-01	Fine tuff	Tuff 1	Tuff	Tuff 1
2006	LANL4-0009	86605-83-02	Fine tuff	Tuff 1	Tuff	Tuff 1
2006	LANL4-0010	86605-97-01	Fine tuff	Tuff 1	Tuff	Tuff 1
2006	LANL4-0011	87430-012-03	Granite with mica	Granitic	Sand	Granitic
2006	LANL4-0012	87430-014-01	Granite with mica	-	-	-
2006	LANL4-0013	87430-019-01	Fine tuff	Tuff 1	Tuff	Tuff 1
2006	LANL4-0014	87430-088-03	Fine tuff	Tuff 1	Tuff	Tuff 1
2006	LANL4-0015	87430-092-02	Granitic (micaceous)	Granitic	Sand	Granitic
2006	LANL4-0016	87430-106-01	Fine tuff	Tuff 1	Tuff	Tuff 2
2006	LANL4-0017	127627-090-03	Granite	Granitic	Sand	Granitic
2006	LANL4-0018	127634-034-01	Fine tuff	Tuff 1	Tuff	Tuff 1

Analysis Year	Sample	Object Identifier[a]	Ceramicist's Temper Designation (if available)	Petrographer's Original Temper Designation	Final Temper Type	Final Temper Group
2006	LANL4-0019	127634-100-04	Fine tuff	Tuff 1	Tuff	Tuff 1
2006	LANL4-0020	127634-067-01	Granitic (micaceous)	Granitic	Sand	Granitic
2006	LANL4-0021	127635-002-01	Anthill sand	-	-	-
2006	LANL4-0022	127635-005-02	Anthill sand	Anthill	Sand	Anthill
2006	LANL4-0023	127635-068-04	Anthill sand	Anthill	Sand	Anthill
2006	LANL4-0024	127635-031-01	Granitic (micaceous)	Granitic	Sand	Granitic
2006	LANL4-0025	127635-037-04	Fine tuff	Tuff 2	Tuff	Tuff 2
2006	LANL4-0026	127635-039-03	Anthill sand	Anthill	Sand	Anthill
2006	LANL4-0027	127635-064-05	Anthill sand	-	-	-
2006	LANL4-0028	127635-106-01	Anthill sand	-	-	-
2006	LANL4-0029	127635-129-01	Fine tuff	Tuff 2	Tuff	Tuff 2
2006	LANL4-0030	127635-146-01	Fine tuff	Tuff 1	Tuff	Tuff 1
2006	LANL4-0031	135291-038-01	Anthill sand	Anthill	Sand	Anthill
2006	LANL4-0032	135291-072-01	Fine tuff	Tuff 1	Tuff	Tuff 1
2006	LANL4-0033	135292-023-02	Anthill sand	Anthill	Sand	Anthill
2006	LANL4-0034	135292-025-02	Fine tuff	Tuff 1	Tuff	Tuff 1
2006	LANL4-0035	135292-046-02	Fine tuff	Tuff 1	Tuff	Tuff 1
2007	LANL5-01	85408-31-1	fine tuff and sand	Tuff 1	Tuff	Tuff 1
2007	LANL5-02	85411-97-1	fine tuff and sand	Tuff 1	Tuff	Tuff 2
2007	LANL5-03	85413-103-1	fine tuff and sand	Tuff 1	Tuff	Tuff 1
2007	LANL5-04	85413-79-1	fine tuff and sand	Tuff 1	Tuff	Tuff 1
2007	LANL5-05	85408-60-4	fine tuff and sand	Tuff 1	Tuff	Tuff Other
2007	LANL5-06	85411-14-1	fine tuff and sand	Tuff 1	Tuff	Tuff 1
2007	LANL5-07	85411-97-3	fine tuff and sand	Tuff 1	Tuff	Tuff 2
2007	LANL5-08	85413-97-1	Granitic (micaceous)	Granitic	Sand	Granitic
2007	LANL5-09	85413-164-1	Granitic (micaceous)	Granitic	Sand	Granitic
2007	LANL5-10	85413-89-1	Granitic (micaceous)	Granitic	Sand	Granitic
2007	LANL5-11	85413-71-2	Granitic (micaceous)	Granitic	Sand	Granitic
2007	LANL5-12	85413-79-2	Granitic (micaceous)	Granitic	Sand	Granitic
2007	LANL5-13	86606-67-4	Anthill sand	Anthill	Sand	Anthill
2007	LANL5-14	86606-40-1	Anthill sand	Anthill	Sand	Anthill
2007	LANL5-15	85417-143-1	Anthill sand	Anthill	Sand	Anthill

aSome sherds could not be thin-sectioned for size or other considerations, but this inventory preserves the complete original list of sherds sent for analysis.

Table Q.3. Rock and sand samples collected for comparison to Los Alamos Land Transfer Project sherds.

Sample	Thin Section Number	Sample Type	Rock Type	Site No./Location	UTM Northing	UTM Easting	Macroscopic Observations
BV-07-02-01	-	Rock	Upper Otowi Member	Los Alamos Canyon	N 3970842	E 386554	Bottom of exposure
BV-07-02-02	-	Rock	Upper Otowi Member	Los Alamos Canyon	N 3970842	E 386554	Top of exposure; OU 1106, Strat. 1-5
BV-07-02-03	PAX37-0062	Rock	Cerro Toledo	Los Alamos Canyon	N 3970842	E 386554	Lower; OU 1106, Strat. 1-6
BV-07-02-04	-	Rock	Cerro Toledo	Los Alamos Canyon	N 3970842	E 386554	Upper; OU 1106, Strat. 1-9
BV-07-02-05	PAX37-0063	Rock	Tsankawi Member	Los Alamos Canyon	N 3970842	E 386554	Pumice bed
BV-07-02-06	PAX37-0064	Rock	Qbt 1g	Los Alamos Canyon	N 3970842	E 386554	Lower
BV-07-02-07	-	Rock	Qbt 1g	Los Alamos Canyon	N 3970842	E 386554	Upper; OU 1106, Strat. 1-8
BV-07-02-08	PAX37-0065	Rock	Qbt 1v	Los Alamos Canyon	N 3970842	E 386554	Colonnade Tuff
BV-07-02-09	-	Rock	Qbt 1v	Los Alamos Canyon	N 3970842	E 386554	Great White Way
BV-07-02-10	PAX37-0066	Rock	Qbt 2	Los Alamos Canyon	N 3970842	E 386554	
BV-07-02-11	-	Rock	Qbt 3	Los Alamos Canyon	N 3970842	E 386554	
BV-07-02-12	-	Rock	Guaje Pumice	S.R. 502 road cut	N 3969966	E 391618	Lower
BV-07-02-13	-	Rock	Cerros del Rios	S.R. 502 road cut	N 3969966	E 391618	Basalt
BV-07-02-14	PAX37-0061	Rock	Guaje Pumice	S.R. 502 road cut	N 3969966	E 391618	Upper
BV-07-02-15	-	Rock	Otowi Member	S.R. 502 road cut	N 3969966	E 391618	Lower
BV-07-02-16	-	Rock	Cerro del Medio (?)	Canyon Road (Los Alamos)	N 3971804	E 381640	Lower section
BV-07-02-17	-	Rock	Cerro del Medio (?)	Canyon Road (Los Alamos)	N 3971804	E 381640	Upper section
BV-07-02-18	-	Rock	El Cajete Pumice	Ski Hill Road	N 3971127	E 378649	road cut
BV-03-03-01	PAX37-0067	Anthill sand	Bandelier Tuff "Colonnade"	White Rock Site (LA 12587)	N 3965299	E 389718	Ant hill at White Rock
BV-03-03-02	-	Rock	Bandelier Tuff	TA-8			Red Clay Deposit
BV-03-03-03	-	Rock	Contact between Cerros del Rios basalt and Guaje Pumice	TA-74, State Road 4			Clay deposit
BV-03-03-04	-	Rock	Puye Formation	TA-74			Clay deposit
BV-03-03-05	-	Rock	Bandelier Tuff	White Rock Site (LA 12587)	N 3965299	E 389718	Clay deposit
GDL-06-03-01	PAX37-0068	Anthill sand	Bandelier Tuff "Unit 3"	Airport Site (LA 86534)	N 3970909	E 386403	Ant hill at Airport

Sample	Thin Section Number	Sample Type	Rock Type	Site No./Location	UTM Northing	UTM Easting	Macroscopic Observations
GDL-06-03-02	PAX37-0069	Alluvial sand	-	Pajarito Canyon	N 3965114	E 388681	From a channel in Pajarito Canyon, between TA's 36 & 54
GDL-06-03-03	PAX37-0070	Alluvial sand	-	Pueblo Canyon	N 3971539	E 385719	From a trench across a channel in Pueblo Canyon

Table Q.4a. Sherd point count data, part 1: total, quartz and feldspars (felsic, light-colored minerals).

						F							
						K				Tplag			
Sample	**Use count data?[a]**	**Analyst[b]**	**Total**	**Qtz**	**Sqtz**	**Kspar**	**Skspar**	**Micr**	**Sanid**	**Plag**	**Plagal**	**Plaggn**	**Splag**
PAX33-001	Yes	CPLR/SCR	152	62	0	50	0	0	.	16	1	0	0
PAX33-002	Yes	CPLR/SCR	81	25	0	15	0	0	.	5	7	1	0
PAX33-003	Yes	CPLR/SCR	118	42	0	10	0	0	.	18	8	1	0
PAX33-004	Yes	CPLR/SCR	212	90	0	24	0	3	.	20	49	0	0
PAX33-005	Yes	CPLR/SCR	135	31	0	18	0	0	.	9	11	0	0
PAX33-006	Yes	CPLR/SCR	100	27	0	32	0	0	.	2	3	0	0
PAX33-007	Yes	CPLR/SCR	124	42	0	18	0	0	.	19	5	1	0
PAX33-008	Yes	CPLR/SCR	152	35	0	82	0	0	.	7	6	0	0
PAX33-009	Yes	CPLR/SCR	143	26	0	77	0	0	.	3	2	0	0
PAX33-010	Yes	CPLR/SCR	102	40	0	15	0	0	.	1	1	1	0
PAX33-011	Yes	CPLR/SCR	52	5	0	3	0	1	.	4	3	2	0
PAX33-012	Yes	CPLR/SCR	136	27	0	80	0	0	.	5	2	1	0
PAX33-013	Yes	CPLR/SCR	138	58	0	10	0	5	.	19	25	2	0
PAX33-014	Yes	CPLR/SCR	103	45	0	13	0	0	.	8	6	0	0
PAX33-015	Yes	CPLR/SCR	205	61	1	105	0	0	.	7	2	0	0
PAX33-016	Yes	CPLR/SCR	83	32	0	33	0	0	.	1	3	0	0
PAX33-017	Yes	CPLR/SCR	119	20	0	67	0	0	.	2	2	0	0
PAX33-018	Yes	CPLR/SCR	145	55	0	37	0	1	.	7	6	0	0
PAX37-0001	Yes	SCR	104	34	0	0	0	1	45	6	0	0	0
PAX37-0002	Yes	SCR	111	34	0	5	0	0	20	7	0	0	0
PAX37-0003	Yes	SCR	147	55	0	0	0	0	55	4	0	0	0
PAX37-0004	Yes	SCR	73	19	0	6	0	2	0	12	0	0	0
PAX37-0005	Yes	SCR	168	55	0	2	0	0	0	16	0	0	0
PAX37-0006	Yes	SCR	144	34	0	0	0	0	54	20	0	0	0
PAX37-0007	Yes	SCR	183	96	0	0	0	1	36	19	2	0	0
PAX37-0009	Yes	SCR	102	25	0	10	0	0	39	12	0	0	0
PAX37-0010	Yes	SCR	124	36	0	0	0	0	46	15	0	0	0
PAX37-0011	Yes	SCR	80	23	0	0	0	0	1	24	4	0	0
PAX37-0012	Yes	SCR	101	10	0	0	0	0	8	8	0	0	0
PAX37-0013	Yes	SCR	130	63	0	0	0	0	37	8	2	1	0
PAX37-0014	Yes	SCR	205	74	0	0	0	0	53	23	5	0	0
PAX37-0015	Yes	SCR	131	3	0	7	0	0	0	7	0	0	0
PAX37-0016	Yes	SCR	116	19	0	0	0	0	32	8	0	0	0

						F							
						K				Tplag			
Sample	**Use count data?[a]**	**Analyst[b]**	**Total**	**Qtz**	**Sqtz**	**Kspar**	**Skspar**	**Micr**	**Sanid**	**Plag**	**Plagal**	**Plaggn**	**Splag**
PAX37-0017	Yes	SCR	219	96	0	0	0	1	57	18	2	3	0
PAX37-0018	Yes	SCR	192	83	0	2	0	24	0	20	26	3	0
PAX37-0019	Yes	SCR	132	33	0	0	0	0	52	13	1	0	0
PAX37-0020	Yes	SCR	333	78	0	0	0	0	132	26	2	0	0
PAX37-0021	Yes	SCR	277	9	0	0	0	0	15	1	0	0	0
PAX37-0022	Yes	SCR	152	35	0	0	0	0	79	7	0	0	0
PAX37-0023	Yes	SCR	85	28	0	0	0	0	7	17	0	0	0
PAX37-0024	Yes	SCR	58	11	0	3	0	0	0	14	0	0	0
PAX37-0025	Yes	SCR	164	54	0	0	0	0	37	39	6	0	0
PAX37-0026	Yes	SCR	183	75	0	0	0	0	54	22	5	0	0
PAX37-0027	Yes	SCR	131	53	0	0	0	2	16	16	0	0	0
PAX37-0028	Yes	SCR	148	1	0	0	0	0	8	1	0	0	0
PAX37-0029	Yes	SCR	145	19	0	0	0	0	11	3	0	0	0
PAX37-0030	Yes	SCR	112	32	0	0	0	0	50	7	0	0	0
PAX37-0031	Yes	SCR	111	69	0	0	0	1	16	8	0	0	0
PAX37-0032	Yes	SCR	193	20	0	0	0	1	21	5	0	0	0
PAX37-0033	Yes	SCR	47	10	0	3	0	0	0	4	0	1	0
PAX37-0034	Yes	SCR	55	3	0	0	0	0	2	8	0	0	0
PAX37-0035	Yes	SCR	132	42	0	0	0	1	12	23	0	0	0
PAX37-0036	Yes	SCR	214	59	0	0	0	0	97	15	4	0	0
PAX37-0037	Yes	SCR	177	69	0	6	0	27	0	23	22	2	0
PAX37-0038	Yes	SCR	114	4	0	0	0	0	4	0	0	0	0
PAX37-0039	Yes	SCR	125	23	0	0	0	0	6	1	2	0	0
PAX37-0040	Yes	SCR	270	10	0	0	0	0	17	0	0	0	0
PAX37-0041	Yes	SCR	127	38	0	0	0	0	39	13	2	0	0
PAX37-0042	Yes	SCR	139	2	0	0	0	0	0	1	0	0	0
PAX37-0043	Yes	SCR	228	105	0	0	0	0	70	20	4	0	0
PAX37-0044	Yes	SCR	192	1	0	0	0	0	0	2	0	0	0
PAX37-0045	Yes	SCR	192	88	0	5	0	32	0	32	14	5	0
PAX37-0046	Yes	SCR	174	10	0	0	0	1	1	4	0	0	0
PAX37-0047	Yes	SCR	262	9	0	0	0	0	1	38	0	0	0
PAX37-0048	Yes	SCR	340	13	0	0	0	0	5	8	0	0	0
PAX37-0049	Yes	SCR	315	144	0	4	0	3	0	24	28	2	2
PAX37-0050	Yes	SCR	334	6	0	1	0	0	1	2	0	0	0
PAX37-0051	Yes	SCR	288	146	0	2	0	8	0	20	45	1	0

						F							
						K				Tplag			
Sample	Use count data?[a]	Analyst[b]	Total	Qtz	Sqtz	Kspar	Skspar	Micr	Sanid	Plag	Plagal	Plaggn	Splag
PAX37-0052	Yes	SCR	238	7	0	4	0	1	0	1	0	0	0
PAX37-0053	Yes	SCR	121	4	0	0	0	0	7	0	0	0	0
PAX37-0054	Yes	SCR	133	12	0	0	0	0	8	1	0	0	0
PAX37-0056	Yes	SCR	204	79	0	0	0	1	58	9	3	1	0
PAX37-0057	Yes	SCR	149	59	0	14	0	4	0	11	15	0	0
PAX37-0058	Yes	SCR	50	5	0	0	0	0	1	5	0	0	0
PAX37-0059	Yes	SCR	197	66	0	0	0	3	36	42	5	0	0
PAX37-0060	Yes	SCR	208	40	0	0	0	0	10	11	1	0	0
PAX41-0166-1	Yes	SCR	291	98	0	0	0	0	81	10	2	0	0
PAX41-0171-1	Yes	SCR	239	96	0	0	0	2	66	13	4	0	0
PAX41-0171-2	Yes	SCR	141	35	0	1	0	7	19	13	6	2	0
PAX41-0197-1	Yes	SCR	231	85	0	2	0	2	70	7	2	0	0
PAX41-0197-2	Yes	SCR	133	26	0	1	0	1	11	2	0	0	0
PAX41-0204-1	Yes	SCR	184	57	0	2	0	0	65	9	0	0	0
PAX41-0204-2	Yes	SCR	211	79	0	7	0	5	9	19	1	0	0
PAX41-0248-01	Yes	SCR	229	93	0	1	0	0	77	10	0	0	0
PAX41-0248-1	Yes	SCR	246	64	0	0	0	0	104	5	1	0	0
PAX41-0248-2	Yes	SCR	225	7	0	0	0	0	9	1	0	0	0
PAX41-0371-1	Yes	SCR	271	118	0	3	0	0	57	14	2	1	0
PAX41-0371-2	Yes	SCR	238	6	0	0	0	0	8	0	0	0	0
PAX41-0456-1	Yes	SCR	118	35	0	0	0	0	46	3	1	0	0
PAX41-0579-1	Yes	SCR	218	54	0	0	0	0	28	15	1	2	0
PAX41-0579-2	Yes	SCR	200	92	0	13	0	5	3	21	5	2	0
PAX41-0631-1	Yes	SCR	116	47	0	0	0	0	43	2	2	0	0
PAX41-0642-1	Yes	SCR	187	69	0	0	0	0	48	17	4	0	0
PAX41-0642-2	Yes	SCR	156	7	0	0	0	0	16	1	0	0	0
PAX41-0652-1	Yes	SCR	211	82	0	0	0	0	55	10	3	1	0
PAX41-0652-2	Yes	SCR	142	26	0	2	0	2	28	5	0	0	0
PAX41-0715-1	Yes	SCR	267	136	0	0	0	0	60	5	3	1	0
PAX41-0715-2	Yes	SCR	222	11	0	0	0	0	37	1	0	0	0
PAX41-0872-1	Yes	SCR	205	32	0	3	0	2	7	4	0	0	0
PAX41-0925-2	Yes	SCR	202	32	0	0	0	0	11	3	0	0	0
PAX41-0942-1	Yes	SCR	249	88	0	0	0	0	97	7	1	0	0
PAX41-0969-1	Yes	SCR	220	29	0	1	0	0	25	5	0	0	0
PAX41-1254-01	Yes	SCR	165	19	0	0	0	0	9	3	0	0	0

						F							
						K				Tplag			
Sample	**Use count data?[a]**	**Analyst[b]**	**Total**	**Qtz**	**Sqtz**	**Kspar**	**Skspar**	**Micr**	**Sanid**	**Plag**	**Plagal**	**Plaggn**	**Splag**
PAX41-1254-1	Yes	SCR	193	41	0	1	0	0	63	14	3	2	0
PAX41-1254-2	Yes	SCR	154	14	0	0	0	0	12	1	0	0	0
PAX41-1352-1	Yes	SCR	201	72	0	7	0	0	88	8	2	0	0
PAX41-1352-2	Yes	SCR	253	12	0	0	0	0	8	4	0	0	0
PAX41-1384-1	Yes	SCR	173	59	0	4	0	0	52	20	2	0	0
PAX41-1384-2	Yes	SCR	158	26	0	0	0	0	17	7	0	0	0
PAX41-1753-1	Yes	SCR	172	71	0	0	0	0	56	10	0	0	0
PAX41-1900-1	Yes	SCR	225	55	0	0	0	0	100	13	0	0	0
PAX41-1900-2	Yes	SCR	154	27	0	1	0	0	16	3	0	0	0
PAX41-2106-2	Yes	SCR	199	72	0	0	0	2	48	27	0	2	0
PAX41-2202-2	Yes	SCR	117	21	0	0	0	0	15	5	0	0	0
PAX41-2307-1	Yes	SCR	180	54	0	0	0	0	79	11	0	1	0
PAX41-2351-1	Yes	SCR	194	60	0	0	0	0	88	5	1	0	0
LANL4-0001	Yes	SCR	226	4	0	0	0	0	0	0	0	0	0
LANL4-0002	Yes	SCR	191	92	0	0	0	26	0	21	22	4	0
LANL4-0003	Yes	SCR	268	130	0	0	0	62	0	29	25	4	0
LANL4-0005	Yes	SCR	247	90	0	0	0	0	44	21	4	0	0
LANL4-0006	Yes	SCR	236	2	0	0	0	0	1	1	0	0	0
LANL4-0007	Yes	SCR	206	94	0	1	0	29	0	19	28	3	0
LANL4-0008	Yes	SCR	226	9	0	0	0	0	6	6	0	0	0
LANL4-0009	Yes	SCR	170	11	0	0	0	0	3	1	0	0	0
LANL4-0010	Yes	SCR	133	1	0	0	0	0	0	1	0	0	0
LANL4-0011	Yes	SCR	267	122	0	0	0	28	0	15	32	7	0
LANL4-0013	Yes	SCR	160	3	0	0	0	0	2	0	0	0	0
LANL4-0014	Yes	SCR	181	4	0	0	0	0	4	0	0	0	0
LANL4-0015	Yes	SCR	218	101	0	0	0	21	0	36	21	0	0
LANL4-0016	Yes	SCR	191	39	0	0	0	2	1	5	7	0	0
LANL4-0017	Yes	SCR	182	90	0	2	0	23	0	26	19	5	0
LANL4-0018	Yes	SCR	233	17	0	0	0	0	3	3	0	0	0
LANL4-0019	Yes	SCR	222	1	0	0	0	0	1	1	0	0	0
LANL4-0020	Yes	SCR	243	83	19	4	1	47	0	16	16	6	1
LANL4-0022	Yes	SCR	164	64	0	0	0	0	48	7	0	0	0
LANL4-0023	Yes	SCR	177	69	0	0	0	0	55	8	0	0	0
LANL4-0024	Yes	SCR	250	120	0	1	0	22	0	38	25	1	0
LANL4-0025	Yes	SCR	214	32	0	3	0	0	7	5	3	0	0

						F							
						K				Tplag			
Sample	**Use count data?[a]**	**Analyst[b]**	**Total**	**Qtz**	**Sqtz**	**Kspar**	**Skspar**	**Micr**	**Sanid**	**Plag**	**Plagal**	**Plaggn**	**Splag**
LANL4-0026	Yes	SCR	138	45	0	0	0	0	37	4	0	0	0
LANL4-0029	Yes	SCR	200	28	0	0	0	0	15	2	0	0	0
LANL4-0030	Yes	SCR	178	29	0	1	0	0	4	2	3	2	0
LANL4-0031	Yes	SCR	211	74	0	2	0	0	42	16	8	0	0
LANL4-0032	Yes	SCR	151	10	0	0	0	0	2	3	0	0	0
LANL4-0033	Yes	SCR	207	88	0	0	0	0	44	20	4	2	0
LANL4-0034	Yes	SCR	179	8	0	0	0	0	0	0	0	0	0
LANL4-0035	Yes	SCR	161	6	0	0	0	0	0	3	0	0	0
LANL5-01	Yes	Miksa	234	8	0	2	0	0	.	28	4	0	0
LANL5-02	Yes	Miksa	222	31	0	6	0	2	.	12	23	0	0
LANL5-03	Yes	Miksa	346	19	0	2	0	0	.	0	10	0	0
LANL5-04	Yes	Miksa	323	9	0	23	0	0	.	3	2	0	0
LANL5-05	Yes	Miksa	106	13	0	2	0	0	.	36	5	0	0
LANL5-06	Yes	Miksa	271	7	0	4	0	0	.	13	12	0	0
LANL5-07	Yes	Miksa	320	64	0	3	0	0	.	34	18	2	0
LANL5-08	Yes	Miksa	306	105	0	6	0	4	.	8	52	0	0
LANL5-09	Yes	Miksa	266	115	0	6	0	18	.	14	58	1	0
LANL5-10	Yes	Miksa	228	100	0	3	0	4	.	5	43	0	0
LANL5-11	Yes	Miksa	230	84	0	1	0	4	.	24	76	0	0
LANL5-12	Yes	Miksa	210	99	0	16	0	5	.	37	36	3	0
LANL5-13.1	No	Miksa	31	10	0	4	0	0	.	4	2	0	0
LANL5-13.2	Yes	Miksa	277	72	0	18	0	0	.	60	54	0	0
LANL5-14	Yes	Miksa	138	37	0	32	0	0	.	14	8	0	0
LANL5-15	Yes	Miksa	134	31	0	12	0	0	.	30	13	0	0

Table Q.4b. Sherd point count data, part 2: dark-colored minerals, micas, and accessory minerals.

	Dusk-Colored (Mafic) Minerals, Micas, and Other Accessory Minerals														
	Pyr		Micas						Topaq		Mafic Accessory Minerals				
Sample	Px	Amph	Biot	Sbiot	Chlor	Schlor	Musc	Smusc	Opaq	Sopaq	Oliv	Epid	Sphene	Gar	Unkn
PAX33-001	0	1	1	0	1	0	0	0	11	0	0	1	0	0	0
PAX33-002	0	0	1	0	1	0	0	0	9	0	0	0	0	0	0
PAX33-003	0	1	0	0	2	0	0	0	18	0	0	0	0	0	1
PAX33-004	2	1	5	0	4	0	3	0	5	0	0	1	0	0	1
PAX33-005	3	0	3	0	1	0	0	0	22	0	0	0	0	0	0
PAX33-006	0	1	0	0	0	0	0	0	10	0	0	0	0	0	1
PAX33-007	1	1	2	0	0	0	0	0	26	0	0	0	0	0	0
PAX33-008	0	1	2	0	0	0	0	0	12	0	0	0	0	0	0
PAX33-009	0	0	2	0	0	0	0	0	11	0	0	0	0	0	0
PAX33-010	4	1	2	0	0	0	0	0	5	0	0	0	0	0	0
PAX33-011	0	0	1	0	1	0	2	0	8	0	0	0	0	0	0
PAX33-012	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0
PAX33-013	0	0	4	0	2	0	4	0	5	0	0	2	0	0	1
PAX33-014	2	0	1	0	1	0	0	0	12	0	0	0	0	0	0
PAX33-015	1	1	1	0	0	0	0	0	4	0	0	0	0	0	0
PAX33-016	0	0	3	0	0	0	0	0	2	0	0	0	0	0	0
PAX33-017	2	0	1	0	0	0	0	0	7	0	0	1	0	0	0
PAX33-018	0	0	1	0	1	0	1	0	5	0	0	0	0	0	0
PAX37-0001	1	0	0	0	4	0	0	0	0	0	0	0	0	0	0
PAX37-0002	0	0	0	0	1	0	0	0	3	0	0	0	0	0	1
PAX37-0003	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
PAX37-0004	0	0	0	0	3	0	0	0	5	0	0	0	0	0	3
PAX37-0005	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
PAX37-0006	3	1	1	0	3	0	0	0	4	0	0	0	2	0	0
PAX37-0007	1	0	0	0	2	0	0	0	6	0	0	0	0	0	2
PAX37-0009	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
PAX37-0010	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1
PAX37-0011	0	0	0	0	3	0	0	0	2	0	0	0	1	0	0
PAX37-0012	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0
PAX37-0013	0	0	0	0	0	0	1	0	5	0	0	0	0	0	0
PAX37-0014	0	1	0	0	5	0	1	0	9	0	0	0	0	0	1
PAX37-0015	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
PAX37-0016	3	0	0	0	1	0	0	0	4	0	0	0	0	0	0

	Dusk-Colored (Mafic) Minerals, Micas, and Other Accessory Minerals														
	Pyr		Micas						Topaq		Mafic Accessory Minerals				
Sample	Px	Amph	Biot	Sbiot	Chlor	Schlor	Musc	Smusc	Opaq	Sopaq	Oliv	Epid	Sphene	Gar	Unkn
PAX37-0017	1	0	1	0	2	0	0	0	9	0	0	0	0	0	0
PAX37-0018	1	0	0	0	3	0	23	0	7	0	0	0	0	0	0
PAX37-0019	0	0	0	0	2	0	1	0	4	0	0	0	0	0	0
PAX37-0020	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0
PAX37-0021	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
PAX37-0022	1	0	0	0	1	0	0	0	1	0	0	0	0	0	1
PAX37-0023	1	2	0	0	0	0	0	0	3	0	0	0	0	0	0
PAX37-0024	1	0	0	0	6	0	0	0	4	0	0	0	0	0	1
PAX37-0025	2	2	0	0	3	0	0	0	4	0	0	0	0	0	1
PAX37-0026	0	2	0	0	0	0	0	0	3	0	0	0	0	0	0
PAX37-0027	1	0	1	0	5	0	0	0	4	0	0	0	0	0	1
PAX37-0028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PAX37-0029	0	0	0	0	1	0	0	0	5	0	0	0	0	0	1
PAX37-0030	1	0	0	0	2	0	0	0	2	0	0	0	0	0	0
PAX37-0031	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
PAX37-0032	4	0	0	0	0	0	0	0	5	0	0	0	1	0	1
PAX37-0033	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0
PAX37-0034	0	0	0	0	2	0	1	0	1	0	0	0	0	0	0
PAX37-0035	0	1	0	0	4	0	0	0	2	0	0	0	0	0	0
PAX37-0036	0	1	0	0	4	0	0	0	9	0	0	0	0	0	0
PAX37-0037	0	1	2	0	3	0	10	0	3	0	0	3	0	0	1
PAX37-0038	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
PAX37-0039	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
PAX37-0040	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0
PAX37-0041	1	0	1	0	3	0	0	0	0	0	0	0	0	0	0
PAX37-0042	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
PAX37-0043	0	0	0	0	0	0	2	0	14	0	0	0	0	0	0
PAX37-0044	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
PAX37-0045	0	0	1	0	0	0	3	0	5	0	0	0	0	0	0
PAX37-0046	0	0	0	0	11	0	1	0	0	0	0	0	0	0	0
PAX37-0047	6	2	0	0	0	0	0	0	7	0	0	0	0	0	1
PAX37-0048	1	0	0	0	0	0	0	0	2	0	0	0	0	0	1
PAX37-0049	0	0	6	0	21	0	63	0	14	0	0	0	1	0	0
PAX37-0050	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
PAX37-0051	0	0	0	0	14	0	41	0	11	0	0	0	0	0	0

	Dusk-Colored (Mafic) Minerals, Micas, and Other Accessory Minerals														
	Pyr		Micas						Topaq		Mafic Accessory Minerals				
Sample	Px	Amph	Biot	Sbiot	Chlor	Schlor	Musc	Smusc	Opaq	Sopaq	Oliv	Epid	Sphene	Gar	Unkn
PAX37-0052	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0
PAX37-0053	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0
PAX37-0054	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
PAX37-0056	0	0	0	0	0	0	0	0	8	0	0	0	0	0	1
PAX37-0057	2	0	0	0	2	0	2	0	3	0	0	0	0	0	1
PAX37-0058	2	0	0	0	1	0	0	0	2	0	0	0	0	0	0
PAX37-0059	4	0	0	0	3	0	2	0	15	0	0	0	0	0	1
PAX37-0060	0	0	1	0	1	0	0	0	7	0	0	0	0	0	1
PAX41-0166-1	1	0	0	0	1	0	1	0	2	0	0	0	0	0	0
PAX41-0171-1	0	1	0	0	2	0	0	0	4	0	0	0	0	0	2
PAX41-0171-2	0	2	0	0	19	0	0	0	16	0	0	2	0	0	0
PAX41-0197-1	0	0	0	0	2	0	0	0	5	0	0	0	0	0	0
PAX41-0197-2	1	0	1	0	1	0	0	0	2	0	0	0	0	0	0
PAX41-0204-1	0	1	0	0	1	0	0	0	9	0	0	0	0	0	1
PAX41-0204-2	0	0	0	0	24	0	3	0	5	0	0	1	0	0	1
PAX41-0248-01	1	1	0	0	0	0	0	0	2	0	0	0	0	0	0
PAX41-0248-1	0	0	0	0	1	0	0	0	5	0	0	0	0	0	0
PAX41-0248-2	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0
PAX41-0371-1	1	0	0	0	2	0	0	0	6	0	0	0	0	0	1
PAX41-0371-2	0	0	0	0	0	0	0	0	3	0	0	0	0	0	1
PAX41-0456-1	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
PAX41-0579-1	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0
PAX41-0579-2	0	0	0	0	10	0	1	0	12	0	0	0	0	0	0
PAX41-0631-1	0	0	0	0	1	0	0	0	3	0	0	0	0	0	2
PAX41-0642-1	0	0	0	0	1	0	0	0	4	0	0	0	0	0	0
PAX41-0642-2	0	0	0	0	3	0	1	0	0	0	0	0	0	0	0
PAX41-0652-1	0	0	0	0	1	0	0	0	6	0	0	0	0	0	2
PAX41-0652-2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
PAX41-0715-1	0	1	0	0	2	0	0	0	4	0	0	1	0	0	1
PAX41-0715-2	2	0	0	0	0	0	0	0	6	0	0	0	0	0	1
PAX41-0872-1	2	1	0	0	0	0	0	0	1	0	0	0	0	0	1
PAX41-0925-2	0	2	0	0	4	0	2	0	5	0	0	0	0	0	0
PAX41-0942-1	0	1	0	0	0	0	0	0	5	0	0	0	0	0	0
PAX41-0969-1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
PAX41-1254-01	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1

	Dusk-Colored (Mafic) Minerals, Micas, and Other Accessory Minerals														
	Pyr		Micas						Topaq		Mafic Accessory Minerals				
Sample	Px	Amph	Biot	Sbiot	Chlor	Schlor	Musc	Smusc	Opaq	Sopaq	Oliv	Epid	Sphene	Gar	Unkn
PAX41-1254-1	0	2	0	0	4	0	0	0	2	0	0	0	0	0	1
PAX41-1254-2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
PAX41-1352-1	0	0	0	0	0	0	0	0	4	0	0	0	0	0	3
PAX41-1352-2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
PAX41-1384-1	2	0	0	0	0	0	0	0	3	0	0	0	0	0	1
PAX41-1384-2	0	1	0	0	1	0	0	0	1	0	0	0	0	0	1
PAX41-1753-1	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0
PAX41-1900-1	0	0	0	0	1	0	0	0	4	0	0	0	1	0	1
PAX41-1900-2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1
PAX41-2106-2	1	1	1	0	0	0	0	0	3	0	0	0	0	0	1
PAX41-2202-2	0	1	0	0	2	0	0	0	7	0	0	0	0	0	2
PAX41-2307-1	0	1	0	0	1	0	0	0	5	0	0	0	0	0	0
PAX41-2351-1	3	2	0	0	0	0	0	0	2	0	0	0	0	0	0
LANL4-0001	0	0	0	0	0	0	0	0	2	0	0	0	0	0	6
LANL4-0002	0	0	1	0	4	0	16	0	2	0	0	0	0	0	3
LANL4-0003	0	1	1	0	3	0	5	0	1	0	0	1	0	0	4
LANL4-0005	0	0	0	0	0	0	0	0	2	0	0	0	0	0	13
LANL4-0006	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
LANL4-0007	0	0	0	0	4	0	16	0	4	0	0	0	0	0	8
LANL4-0008	1	0	0	0	8	0	0	0	3	0	0	0	0	0	4
LANL4-0009	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
LANL4-0010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
LANL4-0011	0	0	0	0	15	0	25	0	13	0	0	0	0	0	10
LANL4-0013	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0
LANL4-0014	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
LANL4-0015	0	0	3	0	10	0	11	0	2	0	0	0	0	0	5
LANL4-0016	0	0	0	0	0	0	0	0	4	0	0	0	0	0	1
LANL4-0017	0	2	1	0	4	0	3	0	3	0	0	0	0	0	2
LANL4-0018	0	0	0	0	1	0	0	0	1	0	0	1	0	0	4
LANL4-0019	0	0	0	0	0	0	0	0	5	0	0	0	0	0	2
LANL4-0020	0	0	1	0	9	0	13	8	4	0	0	0	0	0	7
LANL4-0022	0	1	0	0	0	0	0	0	8	0	0	0	0	0	13
LANL4-0023	0	1	0	0	0	0	0	0	7	0	0	0	0	0	12
LANL4-0024	0	1	0	0	4	0	16	0	4	0	0	0	0	0	3
LANL4-0025	0	2	0	0	2	0	0	0	3	0	0	0	0	0	7

	Dusk-Colored (Mafic) Minerals, Micas, and Other Accessory Minerals														
	Pyr		Micas						Topaq		Mafic Accessory Minerals				
Sample	**Px**	**Amph**	**Biot**	**Sbiot**	**Chlor**	**Schlor**	**Musc**	**Smusc**	**Opaq**	**Sopaq**	**Oliv**	**Epid**	**Sphene**	**Gar**	**Unkn**
LANL4-0026	0	0	0	0	0	0	0	0	3	0	0	0	1	0	12
LANL4-0029	0	0	0	0	1	0	0	0	1	0	0	0	0	0	6
LANL4-0030	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
LANL4-0031	0	0	0	0	1	0	0	0	10	0	0	0	0	0	21
LANL4-0032	0	2	0	0	5	0	0	0	4	0	0	0	0	0	7
LANL4-0033	0	1	0	0	1	0	0	0	5	0	0	0	0	0	14
LANL4-0034	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
LANL4-0035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
LANL5-01	0	0	10	0	0	0	0	0	0	0	0	2	0	0	2
LANL5-02	0	0	10	0	0	0	1	0	1	0	0	0	0	0	5
LANL5-03	0	3	10	0	1	0	0	0	12	0	0	0	0	0	4
LANL5-04	0	1	2	0	0	0	0	0	1	0	0	0	0	0	1
LANL5-05	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
LANL5-06	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
LANL5-07	0	0	5	0	0	0	2	0	1	0	0	0	0	0	1
LANL5-08	0	0	32	0	7	0	67	0	12	0	0	0	1	0	1
LANL5-09	1	0	9	0	2	0	15	0	5	0	0	0	0	0	4
LANL5-10	0	2	10	0	4	0	46	0	5	0	0	0	0	0	1
LANL5-11	0	7	15	0	0	0	1	0	0	0	0	0	0	0	0
LANL5-12	1	0	2	0	2	0	1	0	0	0	0	0	0	0	2
LANL5-13.1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1
LANL5-13.2	0	0	7	0	2	0	2	0	2	0	0	0	0	0	1
LANL5-14	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0
LANL5-15	0	0	1	0	0	0	1	0	3	0	0	0	0	0	0

Table Q.4c. Sherd point count data, part 3: lithic fragments.

	Lithic Fragments (L)															
	Volcanic Lithic Fragments (Lv)						Metamorphic Lithic Fragments (Lm)			Sedimentary Lithic Fragments (Ls)						
Sample	**Lvf**	**Lvfb**	**Lvm**	**Lvi**	**Lvv**	**Lvh**	**Lma2**	**Lmttp**	**Lmmf**	**Lss**	**Lsa**	**Lsch**	**Lsca1**	**Lsca2**	**Lsca3**	**Caco[a]**
PAX33-001	0	0	0	0	2	0	2	0	0	0	0	4	0	0	0	0
PAX33-002	7	4	0	1	2	0	0	0	0	0	0	3	0	0	0	0
PAX33-003	7	4	0	1	1	0	2	0	0	0	0	1	0	0	0	1
PAX33-004	0	1	0	0	1	0	0	0	0	0	0	2	0	0	0	0
PAX33-005	8	0	0	1	25	0	1	0	0	0	0	2	0	0	0	0
PAX33-006	8	0	0	0	12	0	1	1	0	0	0	2	0	0	0	0
PAX33-007	4	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
PAX33-008	4	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0
PAX33-009	8	5	0	0	7	0	1	0	0	0	0	1	0	0	0	0
PAX33-010	13	0	0	1	17	0	0	1	0	0	0	0	0	0	0	0
PAX33-011	0	0	0	0	20	0	1	0	0	0	0	0	0	0	0	0
PAX33-012	6	1	0	0	10	0	0	0	0	0	0	0	0	0	0	0
PAX33-013	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
PAX33-014	4	0	0	1	6	0	0	0	1	0	0	2	1	0	0	0
PAX33-015	9	0	0	0	4	0	0	1	1	0	0	7	0	0	0	0
PAX33-016	3	1	0	0	4	0	0	0	0	0	0	0	1	0	0	0
PAX33-017	7	0	0	0	6	0	0	1	1	0	0	2	0	0	0	0
PAX33-018	9	6	0	0	6	0	0	3	3	0	1	3	0	0	0	0
PAX37-0001	8	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
PAX37-0002	22	0	0	0	17	0	0	0	0	0	0	0	0	1	0	0
PAX37-0003	19	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0
PAX37-0004	6	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0
PAX37-0005	44	0	0	0	50	0	0	0	0	0	0	0	0	0	0	0
PAX37-0006	3	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
PAX37-0007	9	1	0	0	7	0	0	0	0	0	0	0	1	0	0	0
PAX37-0009	9	0	0	0	2	2	0	0	0	0	0	0	0	1	0	0
PAX37-0010	18	0	0	0	5	1	0	0	0	0	0	0	0	0	0	0
PAX37-0011	9	0	0	0	9	1	0	0	0	0	0	0	1	0	0	0
PAX37-0012	24	0	0	0	47	0	0	0	0	0	0	0	0	0	0	0
PAX37-0013	4	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0
PAX37-0014	20	1	0	0	9	1	0	0	0	0	0	0	0	0	1	0
PAX37-0015	0	0	0	0	111	0	0	0	0	0	0	0	0	0	0	0
PAX37-0016	9	0	0	1	39	0	0	0	0	0	0	0	0	0	0	0

	Lithic Fragments (L)															
	Volcanic Lithic Fragments (Lv)						Metamorphic Lithic Fragments (Lm)			Sedimentary Lithic Fragments (Ls)						
Sample	**Lvf**	**Lvfb**	**Lvm**	**Lvi**	**Lvv**	**Lvh**	**Lma2**	**Lmttp**	**Lmmf**	**Lss**	**Lsa**	**Lsch**	**Lsca1**	**Lsca2**	**Lsca3**	**Caco[a]**
PAX37-0017	23	0	0	0	5	0	0	0	0	0	0	0	0	1	0	0
PAX37-0018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PAX37-0019	20	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0
PAX37-0020	52	2	0	0	35	0	0	0	0	0	0	0	0	0	0	0
PAX37-0021	3	0	0	0	247	0	0	0	0	0	0	0	0	0	0	0
PAX37-0022	13	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0
PAX37-0023	7	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
PAX37-0024	0	0	0	0	16	0	0	0	0	0	0	0	1	0	0	0
PAX37-0025	14	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
PAX37-0026	10	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0
PAX37-0027	5	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0
PAX37-0028	2	0	0	0	135	0	0	0	0	0	0	0	0	1	0	0
PAX37-0029	3	0	0	0	102	0	0	0	0	0	0	0	0	0	0	0
PAX37-0030	5	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0
PAX37-0031	11	0	0	0	3	0	0	0	0	0	0	0	0	1	0	0
PAX37-0032	9	0	0	0	122	0	0	0	0	0	0	0	0	0	0	0
PAX37-0033	2	0	0	0	23	0	0	0	0	0	0	0	0	0	0	0
PAX37-0034	4	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0
PAX37-0035	7	0	0	0	4	0	0	0	0	0	0	0	1	0	0	0
PAX37-0036	19	0	0	0	5	0	0	0	0	0	0	0	1	0	0	0
PAX37-0037	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0
PAX37-0038	4	0	0	0	101	0	0	0	0	0	0	0	0	0	0	0
PAX37-0039	6	0	0	0	83	0	0	0	0	0	0	0	1	0	0	0
PAX37-0040	14	0	0	0	226	0	0	0	0	0	0	0	0	0	0	0
PAX37-0041	19	0	0	0	9	0	0	0	0	0	0	0	2	0	0	0
PAX37-0042	0	0	0	0	134	0	0	0	0	0	0	0	0	0	0	0
PAX37-0043	10	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
PAX37-0044	0	0	0	0	187	0	0	0	0	0	0	0	0	0	0	0
PAX37-0045	1	0	0	0	1	0	0	0	0	0	0	0	5	0	0	0
PAX37-0046	1	0	0	0	145	0	0	0	0	0	0	0	0	0	0	0
PAX37-0047	104	3	0	73	18	0	0	0	0	0	0	0	0	0	0	0
PAX37-0048	7	0	0	0	303	0	0	0	0	0	0	0	0	0	0	0
PAX37-0049	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
PAX37-0050	1	0	0	0	320	0	0	0	0	0	0	0	0	0	0	0
PAX37-0051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	Lithic Fragments (L)															
	Volcanic Lithic Fragments (Lv)						Metamorphic Lithic Fragments (Lm)			Sedimentary Lithic Fragments (Ls)						
Sample	**Lvf**	**Lvfb**	**Lvm**	**Lvi**	**Lvv**	**Lvh**	**Lma2**	**Lmttp**	**Lmmf**	**Lss**	**Lsa**	**Lsch**	**Lsca1**	**Lsca2**	**Lsca3**	**Caco[a]**
PAX37-0052	1	0	0	0	220	0	0	0	0	0	0	0	0	0	0	0
PAX37-0053	4	0	0	0	102	0	0	0	0	0	0	0	2	0	0	0
PAX37-0054	1	0	0	0	109	0	0	0	0	0	0	0	0	0	0	0
PAX37-0056	22	3	0	0	19	0	0	0	0	0	0	0	0	0	0	0
PAX37-0057	4	0	0	0	7	0	0	0	0	0	2	0	19	0	0	0
PAX37-0058	3	0	0	0	29	0	0	0	0	0	0	0	2	0	0	0
PAX37-0059	10	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0
PAX37-0060	8	0	0	0	122	0	0	0	0	0	0	0	1	2	0	0
PAX41-0166-1	27	0	0	0	67	1	0	0	0	0	0	0	0	0	0	0
PAX41-0171-1	27	0	0	0	14	0	0	0	0	6	0	0	0	0	0	0
PAX41-0171-2	6	0	0	0	1	0	0	0	0	4	0	0	2	0	0	0
PAX41-0197-1	23	0	0	0	33	0	0	0	0	0	0	0	0	0	0	0
PAX41-0197-2	14	1	0	0	68	0	0	0	0	0	0	0	0	0	0	0
PAX41-0204-1	19	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0
PAX41-0204-2	25	0	0	0	7	0	0	0	0	0	0	0	10	0	0	0
PAX41-0248-01	26	0	0	1	14	0	0	0	0	2	1	0	0	0	0	0
PAX41-0248-1	38	0	0	0	23	0	0	0	0	0	0	0	0	0	0	0
PAX41-0248-2	2	0	0	0	203	0	0	0	0	0	0	0	1	0	0	0
PAX41-0371-1	27	0	0	0	39	0	0	0	0	0	0	0	0	0	0	0
PAX41-0371-2	5	0	0	0	215	0	0	0	0	0	0	0	0	0	0	0
PAX41-0456-1	18	0	0	0	10	0	0	0	0	0	0	0	1	0	0	0
PAX41-0579-1	30	0	0	0	41	0	0	0	0	0	2	0	0	0	0	0
PAX41-0579-2	9	0	0	0	4	0	0	0	0	0	0	0	1	0	0	0
PAX41-0631-1	11	0	0	0	4	0	0	0	0	0	0	0	1	0	0	0
PAX41-0642-1	32	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0
PAX41-0642-2	5	0	0	0	121	0	0	0	0	0	0	0	0	0	0	0
PAX41-0652-1	35	0	0	0	9	0	0	0	0	4	0	0	0	0	0	0
PAX41-0652-2	18	0	0	3	47	0	0	0	0	1	0	0	0	0	0	0
PAX41-0715-1	38	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0
PAX41-0715-2	6	0	0	0	157	0	0	0	0	0	0	0	0	0	0	0
PAX41-0872-1	15	0	0	0	63	0	0	0	0	0	0	0	0	0	0	0
PAX41-0925-2	9	0	0	0	64	0	0	0	0	1	0	0	0	0	0	0
PAX41-0942-1	25	0	0	0	24	0	0	0	0	0	0	0	0	0	0	1
PAX41-0969-1	22	0	0	0	48	0	0	0	0	0	0	0	0	0	0	0
PAX41-1254-01	9	0	0	0	47	0	0	0	0	0	0	0	0	0	0	0

	Lithic Fragments (L)															
	Volcanic Lithic Fragments (Lv)						Metamorphic Lithic Fragments (Lm)			Sedimentary Lithic Fragments (Ls)						
Sample	**Lvf**	**Lvfb**	**Lvm**	**Lvi**	**Lvv**	**Lvh**	**Lma2**	**Lmttp**	**Lmmf**	**Lss**	**Lsa**	**Lsch**	**Lsca1**	**Lsca2**	**Lsca3**	**Caco[a]**
PAX41-1254-1	30	1	0	0	24	0	0	0	0	0	0	0	2	0	0	0
PAX41-1254-2	4	0	0	0	48	0	0	0	0	0	0	0	0	0	0	0
PAX41-1352-1	13	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
PAX41-1352-2	16	0	0	0	152	0	0	0	0	0	0	0	0	0	0	0
PAX41-1384-1	22	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0
PAX41-1384-2	7	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
PAX41-1753-1	26	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0
PAX41-1900-1	41	0	0	0	8	0	0	0	0	0	0	0	1	0	0	0
PAX41-1900-2	8	0	0	0	54	0	0	0	0	0	0	0	0	0	0	0
PAX41-2106-2	22	0	0	0	18	0	0	0	0	1	0	0	0	0	0	0
PAX41-2202-2	7	0	0	0	39	0	0	0	0	0	0	0	0	0	0	0
PAX41-2307-1	17	0	0	0	8	1	0	0	0	0	0	0	0	0	0	0
PAX41-2351-1	19	0	0	0	9	0	0	0	0	1	0	0	4	0	0	0
LANL4-0001	2	0	0	1	211	0	0	0	0	0	0	0	0	0	0	0
LANL4-0002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LANL4-0003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LANL4-0005	19	0	0	0	49	5	0	0	0	0	0	0	0	0	0	0
LANL4-0006	0	0	0	0	231	0	0	0	0	0	0	0	0	0	0	0
LANL4-0007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LANL4-0008	4	0	0	0	184	0	0	0	0	0	0	0	0	0	0	0
LANL4-0009	0	0	0	0	142	0	0	0	0	0	0	0	0	0	0	0
LANL4-0010	1	0	0	0	120	0	0	0	0	0	0	0	0	0	0	0
LANL4-0011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LANL4-0013	1	0	0	0	148	0	0	0	0	0	0	0	0	0	0	0
LANL4-0014	0	0	0	0	169	0	0	0	0	0	0	0	0	0	0	0
LANL4-0015	0	0	0	0	0	0	1	2	0	0	0	0	2	0	1	0
LANL4-0016	8	0	0	0	114	0	0	0	0	0	0	0	0	0	3	0
LANL4-0017	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
LANL4-0018	1	0	0	0	201	1	0	0	0	0	0	0	0	0	0	0
LANL4-0019	4	0	0	0	201	0	0	0	0	0	0	0	0	0	0	0
LANL4-0020	0	0	0	0	0	0	0	1	0	0	0	0	0	0	6	0
LANL4-0022	8	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0
LANL4-0023	19	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
LANL4-0024	0	0	0	0	0	0	0	0	0	0	0	0	9	0	6	0
LANL4-0025	10	1	0	0	136	0	0	0	0	0	0	0	0	0	0	0

	Lithic Fragments (L)															
	Volcanic Lithic Fragments (Lv)						Metamorphic Lithic Fragments (Lm)			Sedimentary Lithic Fragments (Ls)						
Sample	**Lvf**	**Lvfb**	**Lvm**	**Lvi**	**Lvv**	**Lvh**	**Lma2**	**Lmttp**	**Lmmf**	**Lss**	**Lsa**	**Lsch**	**Lsca1**	**Lsca2**	**Lsca3**	**Caco[a]**
LANL4-0026	3	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0
LANL4-0029	4	0	0	0	141	0	0	0	0	0	0	0	0	0	0	0
LANL4-0030	6	0	0	0	129	0	0	0	0	0	0	0	0	0	0	0
LANL4-0031	8	0	0	1	24	0	0	0	0	0	0	0	0	0	2	0
LANL4-0032	0	0	0	0	118	0	0	0	0	0	0	0	0	0	0	0
LANL4-0033	8	0	0	1	19	0	0	0	0	0	0	0	0	0	0	0
LANL4-0034	1	0	0	0	169	0	0	0	0	0	0	0	0	0	0	0
LANL4-0035	1	0	0	0	147	0	0	0	0	0	0	0	0	0	0	0
LANL5-01	1	0	0	0	177	0	0	0	0	0	0	0	0	0	0	0
LANL5-02	14	10	0	14	93	0	0	0	0	0	0	0	0	0	0	0
LANL5-03	0	0	0	8	277	0	0	0	0	0	0	0	0	0	0	0
LANL5-04	1	0	0	1	273	0	0	0	0	0	0	0	0	0	0	0
LANL5-05	1	0	0	0	46	0	0	0	0	0	0	0	0	0	0	0
LANL5-06	0	0	0	1	232	0	0	0	0	0	0	0	0	0	0	0
LANL5-07	8	0	3	8	166	0	0	4	0	0	0	1	0	0	0	0
LANL5-08	6	0	0	1	1	1	0	1	0	0	0	1	0	0	0	0
LANL5-09	6	0	3	0	8	0	0	0	0	0	0	0	0	0	0	0
LANL5-10	1	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0
LANL5-11	0	0	0	0	4	3	7	0	1	0	0	0	0	0	0	0
LANL5-12	3	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0
LANL5-13.1	1	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0
LANL5-13.2	23	0	1	13	12	0	4	0	1	0	0	0	0	0	0	0
LANL5-14	0	0	0	18	26	0	0	0	0	0	0	0	0	0	0	0
LANL5-15	4	0	0	3	33	0	2	0	1	0	0	0	0	0	0	0

Table Q.4d. Sherd point count data, part 4: paste parameters and calculated values.

	Paste Parameters and Calculated Paste Ratios[a]							Compositional Comparison Measures											
								Mineral:lithic ratio[b]		Bulk Composition[c]				Feldspar Ratios[c]					
Sample	Clay lump	Grog	Paste	Voids	P+V+T	pastepct	Sandpct	M/M + L	M/M + Lv	Q	F	L	QFL	K	Tplag	K/F	Kspar/F	Micr/F	Tplag/F
PAX33-001	0	0	375	100	627	59.8%	24.2%	0.99	0.95	62	67	8	137	50	17	0.75	0.75	0.00	0.25
PAX33-002	0	0	285	85	451	63.2%	18.0%	0.82	0.79	25	28	17	70	15	13	0.54	0.54	0.00	0.46
PAX33-003	0	0	400	50	568	70.4%	20.8%	0.88	0.85	42	37	17	96	10	27	0.27	0.27	0.00	0.73
PAX33-004	0	0	185	265	662	27.9%	32.0%	0.99	0.98	90	96	4	190	27	69	0.28	0.25	0.03	0.72
PAX33-005	0	0	345	155	635	54.3%	21.3%	0.74	0.73	31	38	37	106	18	20	0.47	0.47	0.00	0.53
PAX33-006	0	0	.	.	.	.	.	0.79	0.76	27	37	24	88	32	5	0.86	0.86	0.00	0.14
PAX33-007	0	0	.	.	.	.	.	0.93	0.93	42	43	9	94	18	25	0.42	0.42	0.00	0.58
PAX33-008	0	0	.	.	.	.	.	0.97	0.95	35	95	7	137	82	13	0.86	0.86	0.00	0.14
PAX33-009	0	0	335	99	577	58.1%	24.8%	0.86	0.85	26	82	22	130	77	5	0.94	0.94	0.00	0.06
PAX33-010	0	0	126	52	280	45.0%	36.4%	0.69	0.69	40	18	32	90	15	3	0.83	0.83	0.00	0.17
PAX33-011	1	0	158	26	236	66.9%	22.0%	0.60	0.59	5	13	21	39	4	9	0.31	0.23	0.08	0.69
PAX33-012	0	0	285	67	488	58.4%	27.9%	0.88	0.88	27	88	17	132	80	8	0.91	0.91	0.00	0.09
PAX33-013	0	0	139	81	358	38.8%	38.5%	0.99	0.99	58	61	1	120	15	46	0.25	0.16	0.08	0.75
PAX33-014	0	0	395	24	522	75.7%	19.7%	0.89	0.85	45	27	15	87	13	14	0.48	0.48	0.00	0.52
PAX33-015	0	0	359	47	611	58.8%	33.6%	0.93	0.89	62	114	22	198	105	9	0.92	0.92	0.00	0.08
PAX33-016	0	0	.	.	.	.	.	0.90	0.89	32	37	9	78	33	4	0.89	0.89	0.00	0.11
PAX33-017	0	0	302	39	460	65.7%	25.9%	0.89	0.86	20	71	17	108	67	4	0.94	0.94	0.00	0.06
PAX33-018	0	0	210	75	430	48.8%	33.7%	0.84	0.79	55	51	31	137	38	13	0.75	0.73	0.02	0.25
PAX37-0001	0	0	397	15	516	76.9%	20.2%	0.88	0.88	34	52	13	99	46	6	0.88	0.00	0.02	0.12
PAX37-0002	0	0	232	9	352	65.9%	31.5%	0.64	0.64	34	32	40	106	25	7	0.78	0.16	0.00	0.22
PAX37-0003	1	0	554	8	709	78.1%	20.7%	0.79	0.79	55	59	31	145	55	4	0.93	0.00	0.00	0.07
PAX37-0004	0	0	362	11	446	81.2%	16.4%	0.67	0.67	19	20	23	62	8	12	0.40	0.30	0.10	0.60
PAX37-0005	0	0	331	35	534	62.0%	31.5%	0.44	0.44	55	18	94	167	2	16	0.11	0.11	0.00	0.89
PAX37-0006	0	0	728	11	883	82.4%	16.3%	0.85	0.85	34	74	22	130	54	20	0.73	0.00	0.00	0.27
PAX37-0007	0	0	613	92	888	69.0%	20.6%	0.91	0.90	96	58	18	172	37	21	0.64	0.00	0.02	0.36
PAX37-0009	0	0	485	28	615	78.9%	16.6%	0.87	0.86	25	61	14	100	49	12	0.80	0.16	0.00	0.20
PAX37-0010	0	0	386	15	525	73.5%	23.6%	0.80	0.80	36	61	24	121	46	15	0.75	0.00	0.00	0.25
PAX37-0011	2	0	529	30	639	82.8%	12.5%	0.75	0.74	23	29	20	72	1	28	0.03	0.00	0.00	0.97

	Paste Parameters and Calculated Paste Ratios[a]							Compositional Comparison Measures											
								Mineral:lithic ratio[b]		Bulk Composition[c]				Feldspar Ratios[c]					
Sample	Clay lump	Grog	Paste	Voids	P+V+T	pastepct	Sandpct	M/M + L	M/M + Lv	Q	F	L	QFL	K	Tplag	K/F	Kspar/F	Micr/F	Tplag/F
PAX37-0012	1	0	373	14	488	76.4%	20.7%	0.29	0.29	10	16	71	97	8	8	0.50	0.00	0.00	0.50
PAX37-0013	0	0	529	93	752	70.3%	17.3%	0.90	0.90	63	48	13	124	37	11	0.77	0.00	0.00	0.23
PAX37-0014	1	0	631	15	851	74.1%	24.1%	0.85	0.84	74	81	32	187	53	28	0.65	0.00	0.00	0.35
PAX37-0015	0	0	436	32	599	72.8%	21.9%	0.15	0.15	3	14	111	128	7	7	0.50	0.50	0.00	0.50
PAX37-0016	0	0	501	38	655	76.5%	17.7%	0.58	0.58	19	40	49	108	32	8	0.80	0.00	0.00	0.20
PAX37-0017	0	0	611	17	847	72.1%	25.9%	0.87	0.87	96	81	29	206	58	23	0.72	0.00	0.01	0.28
PAX37-0018	0	0	373	25	590	63.2%	32.5%	1.00	1.00	83	75	0	158	26	49	0.35	0.03	0.32	0.65
PAX37-0019	0	0	433	11	576	75.2%	22.9%	0.80	0.80	33	66	26	125	52	14	0.79	0.00	0.00	0.21
PAX37-0020	0	0	620	19	972	63.8%	34.3%	0.73	0.73	78	160	89	327	132	28	0.83	0.00	0.00	0.18
PAX37-0021	0	0	380	32	689	55.2%	40.2%	0.09	0.09	9	16	250	275	15	1	0.94	0.00	0.00	0.06
PAX37-0022	5	0	661	15	828	79.8%	18.4%	0.85	0.85	35	86	22	143	79	7	0.92	0.00	0.00	0.08
PAX37-0023	1	0	377	8	470	80.2%	18.1%	0.69	0.69	28	24	26	78	7	17	0.29	0.00	0.00	0.71
PAX37-0024	1	0	506	13	577	87.7%	10.1%	0.71	0.70	11	17	17	45	3	14	0.18	0.18	0.00	0.82
PAX37-0025	0	0	667	10	841	79.3%	19.5%	0.90	0.90	54	82	16	152	37	45	0.45	0.00	0.00	0.55
PAX37-0026	1	0	506	13	702	72.1%	26.1%	0.88	0.88	75	81	21	177	54	27	0.67	0.00	0.00	0.33
PAX37-0027	0	0	470	20	621	75.7%	21.1%	0.75	0.75	53	34	32	119	18	16	0.53	0.00	0.06	0.47
PAX37-0028	0	0	392	22	562	69.8%	26.3%	0.07	0.07	1	9	138	148	8	1	0.89	0.00	0.00	0.11
PAX37-0029	0	0	506	25	676	74.9%	21.4%	0.27	0.27	19	14	105	138	11	3	0.79	0.00	0.00	0.21
PAX37-0030	0	0	301	11	424	71.0%	26.4%	0.84	0.84	32	57	18	107	50	7	0.88	0.00	0.00	0.12
PAX37-0031	0	0	380	20	511	74.4%	21.7%	0.87	0.86	69	25	15	109	17	8	0.68	0.00	0.04	0.32
PAX37-0032	4	0	452	30	675	67.0%	28.6%	0.30	0.30	20	27	131	178	22	5	0.81	0.00	0.04	0.19
PAX37-0033	0	0	298	21	366	81.4%	12.8%	0.47	0.47	10	8	25	43	3	5	0.38	0.38	0.00	0.63
PAX37-0034	2	26	321	8	384	83.6%	14.3%	0.63	0.63	3	10	10	23	2	8	0.20	0.00	0.00	0.80
PAX37-0035	3	32	457	15	604	75.7%	21.9%	0.89	0.88	42	36	12	90	13	23	0.36	0.00	0.03	0.64
PAX37-0036	0	0	570	43	827	68.9%	25.9%	0.89	0.88	59	116	25	200	97	19	0.84	0.00	0.00	0.16
PAX37-0037	0	0	323	17	517	62.5%	34.2%	1.00	0.97	69	80	5	154	33	47	0.41	0.08	0.34	0.59
PAX37-0038	0	0	240	32	386	62.2%	29.5%	0.08	0.08	4	4	105	113	4	0	1.00	0.00	0.00	0.00
PAX37-0039	0	0	232	14	371	62.5%	33.7%	0.28	0.28	23	9	90	122	6	3	0.67	0.00	0.00	0.33
PAX37-0040	0	0	789	18	1077	73.3%	25.1%	0.11	0.11	10	17	240	267	17	0	1.00	0.00	0.00	0.00
PAX37-0041	0	0	327	16	470	69.6%	27.0%	0.78	0.76	38	54	30	122	39	15	0.72	0.00	0.00	0.28
PAX37-0042	0	0	250	73	462	54.1%	30.1%	0.04	0.04	2	1	134	137	0	1	0.00	0.00	0.00	1.00

	Paste Parameters and Calculated Paste Ratios[a]							Compositional Comparison Measures											
								Mineral:lithic ratio[b]		Bulk Composition[c]				Feldspar Ratios[c]					
Sample	Clay lump	Grog	Paste	Voids	P+V+T	pastepct	Sandpct	M/M + L	M/M + Lv	Q	F	L	QFL	K	Tplag	K/F	Kspar/F	Micr/F	Tplag/F
PAX37-0043	0	0	603	74	905	66.6%	25.2%	0.94	0.94	105	94	13	212	70	24	0.74	0.00	0.00	0.26
PAX37-0044	0	0	416	22	630	66.0%	30.5%	0.03	0.03	1	2	187	190	0	2	0.00	0.00	0.00	1.00
PAX37-0045	0	0	381	33	606	62.9%	31.7%	0.99	0.96	88	88	7	183	37	51	0.42	0.06	0.36	0.58
PAX37-0046	0	0	543	73	790	68.7%	22.0%	0.16	0.16	10	6	146	162	2	4	0.33	0.00	0.17	0.67
PAX37-0047	0	0	455	15	732	62.2%	35.8%	0.24	0.24	9	39	198	246	1	38	0.03	0.00	0.00	0.97
PAX37-0048	0	0	378	18	736	51.4%	46.2%	0.09	0.09	13	13	310	336	5	8	0.38	0.00	0.00	0.62
PAX37-0049	0	0	540	30	885	61.0%	35.6%	1.00	0.99	144	63	3	210	7	56	0.11	0.06	0.05	0.89
PAX37-0050	0	0	550	51	935	58.8%	35.7%	0.04	0.04	6	4	321	331	2	2	0.50	0.25	0.00	0.50
PAX37-0051	0	0	525	42	855	61.4%	33.7%	1.00	1.00	146	76	0	222	10	66	0.13	0.03	0.11	0.87
PAX37-0052	1	0	467	189	894	52.2%	26.6%	0.07	0.07	7	6	221	234	5	1	0.83	0.67	0.17	0.17
PAX37-0053	0	0	344	7	472	72.9%	25.6%	0.11	0.11	4	7	108	119	7	0	1.00	0.00	0.00	0.00
PAX37-0054	1	0	222	4	359	61.8%	37.0%	0.17	0.17	12	9	110	131	8	1	0.89	0.00	0.00	0.11
PAX37-0056	0	0	391	69	664	58.9%	30.7%	0.78	0.78	79	72	44	195	59	13	0.82	0.00	0.01	0.18
PAX37-0057	4	0	306	28	483	63.4%	30.8%	0.91	0.78	59	44	32	135	18	26	0.41	0.32	0.09	0.59
PAX37-0058	0	0	324	4	378	85.7%	13.2%	0.33	0.32	5	6	34	45	1	5	0.17	0.00	0.00	0.83
PAX37-0059	4	0	598	27	822	72.7%	24.0%	0.92	0.92	66	86	16	168	39	47	0.45	0.00	0.03	0.55
PAX37-0060	3	0	582	21	811	71.8%	25.6%	0.35	0.35	40	22	133	195	10	12	0.45	0.00	0.00	0.55
PAX41-0166-1	0	0	547	40	878	62.3%	33.1%	0.67	0.67	98	93	95	286	81	12	0.87	0.00	0.00	0.13
PAX41-0171-1	0	2	506	89	834	60.7%	28.7%	0.82	0.80	96	85	47	228	68	17	0.80	0.00	0.02	0.20
PAX41-0171-2	6	0	555	17	713	77.8%	19.8%	0.95	0.90	35	48	13	96	27	21	0.56	0.02	0.15	0.44
PAX41-0197-1	0	0	642	39	912	70.4%	25.3%	0.76	0.76	85	83	56	224	74	9	0.89	0.02	0.02	0.11
PAX41-0197-2	4	0	434	32	599	72.5%	22.2%	0.36	0.36	26	15	83	124	13	2	0.87	0.07	0.07	0.13
PAX41-0204-1	1	3	613	59	856	71.6%	21.5%	0.80	0.80	57	76	35	168	67	9	0.88	0.03	0.00	0.12
PAX41-0204-2	15	0	460	53	724	63.5%	29.1%	0.83	0.78	79	41	42	162	21	20	0.51	0.17	0.12	0.49
PAX41-0248-01	0	0	624	31	884	70.6%	25.9%	0.82	0.81	93	88	44	225	78	10	0.89	0.01	0.00	0.11
PAX41-0248-1	1	4	449	97	792	56.7%	31.1%	0.75	0.75	64	110	61	235	104	6	0.95	0.00	0.00	0.05
PAX41-0248-2	0	0	375	20	620	60.5%	36.3%	0.08	0.08	7	10	206	223	9	1	0.90	0.00	0.00	0.10
PAX41-0371-1	0	0	517	39	827	62.5%	32.8%	0.76	0.76	118	77	66	261	60	17	0.78	0.04	0.00	0.22
PAX41-0371-2	0	0	545	34	817	66.7%	29.1%	0.07	0.07	6	8	220	234	8	0	1.00	0.00	0.00	0.00
PAX41-0456-1	0	1	353	20	491	71.9%	24.0%	0.76	0.75	35	50	29	114	46	4	0.92	0.00	0.00	0.08
PAX41-0579-1	33	3	668	20	906	73.7%	24.1%	0.61	0.60	54	46	73	173	28	18	0.61	0.00	0.00	0.39

	Paste Parameters and Calculated Paste Ratios[a]							Compositional Comparison Measures											
								Mineral:lithic ratio[b]		Bulk Composition[c]				Feldspar Ratios[c]					
Sample	Clay lump	Grog	Paste	Voids	P+V+T	pastepct	Sandpct	M/M + L	M/M + Lv	Q	F	L	QFL	K	Tplag	K/F	Kspar/F	Micr/F	Tplag/F
PAX41-0579-2	22	0	562	108	870	64.6%	23.0%	0.93	0.92	92	49	14	155	21	28	0.43	0.27	0.10	0.57
PAX41-0631-1	0	0	366	32	514	71.2%	22.6%	0.87	0.86	47	47	16	110	43	4	0.91	0.00	0.00	0.09
PAX41-0642-1	0	0	556	36	779	71.4%	24.0%	0.76	0.76	69	69	44	182	48	21	0.70	0.00	0.00	0.30
PAX41-0642-2	2	0	448	18	622	72.0%	25.1%	0.18	0.18	7	17	126	150	16	1	0.94	0.00	0.00	0.06
PAX41-0652-1	0	3	544	36	791	68.8%	26.7%	0.78	0.77	82	69	48	199	55	14	0.80	0.00	0.00	0.20
PAX41-0652-2	3	5	413	87	642	64.3%	22.1%	0.48	0.48	26	37	69	132	32	5	0.86	0.05	0.05	0.14
PAX41-0715-1	0	2	615	47	929	66.2%	28.7%	0.81	0.81	136	69	51	256	60	9	0.87	0.00	0.00	0.13
PAX41-0715-2	1	0	534	57	813	65.7%	27.3%	0.26	0.26	11	38	163	212	37	1	0.97	0.00	0.00	0.03
PAX41-0872-1	74	0	542	76	823	65.9%	24.9%	0.40	0.40	32	16	78	126	12	4	0.75	0.19	0.13	0.25
PAX41-0925-2	69	0	557	60	819	68.0%	24.7%	0.45	0.44	32	14	74	120	11	3	0.79	0.00	0.00	0.21
PAX41-0942-1	0	0	579	28	856	67.6%	29.1%	0.80	0.80	88	105	50	243	97	8	0.92	0.00	0.00	0.08
PAX41-0969-1	88	0	320	134	674	47.5%	32.6%	0.47	0.47	29	31	70	130	26	5	0.84	0.03	0.00	0.16
PAX41-1254-01	75	0	518	67	750	69.1%	22.0%	0.37	0.37	19	12	56	87	9	3	0.75	0.00	0.00	0.25
PAX41-1254-1	0	3	595	27	815	73.0%	23.7%	0.71	0.70	41	83	57	181	64	19	0.77	0.01	0.00	0.23
PAX41-1254-2	74	0	524	73	751	69.8%	20.5%	0.35	0.35	14	13	52	79	12	1	0.92	0.00	0.00	0.08
PAX41-1352-1	0	0	385	83	669	57.5%	30.0%	0.91	0.91	72	105	17	194	95	10	0.90	0.07	0.00	0.10
PAX41-1352-2	60	0	414	116	783	52.9%	32.3%	0.13	0.13	12	12	168	192	8	4	0.67	0.00	0.00	0.33
PAX41-1384-1	0	0	453	34	660	68.6%	26.2%	0.83	0.83	59	78	30	167	56	22	0.72	0.05	0.00	0.28
PAX41-1384-2	57	0	718	20	896	80.1%	17.6%	0.53	0.53	26	24	47	97	17	7	0.71	0.00	0.00	0.29
PAX41-1753-1	0	0	499	66	737	67.7%	23.3%	0.81	0.81	71	66	32	169	56	10	0.85	0.00	0.00	0.15
PAX41-1900-1	0	0	611	47	883	69.2%	25.5%	0.78	0.78	55	113	50	218	100	13	0.88	0.00	0.00	0.12
PAX41-1900-2	42	0	549	33	736	74.6%	20.9%	0.44	0.44	27	20	62	109	17	3	0.85	0.05	0.00	0.15
PAX41-2106-2	0	0	472	222	893	52.9%	22.3%	0.80	0.79	72	79	41	192	50	29	0.63	0.00	0.03	0.37
PAX41-2202-2	18	0	727	20	864	84.1%	13.5%	0.53	0.53	21	20	46	87	15	5	0.75	0.00	0.00	0.25
PAX41-2307-1	0	2	470	23	673	69.8%	26.7%	0.85	0.85	54	91	26	171	79	12	0.87	0.00	0.00	0.13
PAX41-2351-1	0	0	634	85	913	69.4%	21.2%	0.85	0.83	60	94	33	187	88	6	0.94	0.00	0.00	0.06
LANL4-0001	0	0	383	22	631	60.7%	35.8%	0.03	0.03	4	0	214	218	0	0	.	.	.	.
LANL4-0002	0	0	343	103	637	53.8%	30.0%	1.00	1.00	92	73	0	165	26	47	0.36	0.00	0.36	0.64
LANL4-0003	2	0	322	80	670	48.1%	40.0%	1.00	1.00	130	120	0	250	62	58	0.52	0.00	0.52	0.48
LANL4-0005	0	0	380	57	684	55.6%	36.1%	0.69	0.69	90	69	73	232	44	25	0.64	0.00	0.00	0.36
LANL4-0006	0	0	321	43	600	53.5%	39.3%	0.02	0.02	2	2	231	235	1	1	0.50	0.00	0.00	0.50

	Paste Parameters and Calculated Paste Ratios[a]							Compositional Comparison Measures											
								Mineral:lithic ratio[b]		Bulk Composition[c]				Feldspar Ratios[c]					
Sample	Clay lump	Grog	Paste	Voids	P+V+T	pastepct	Sandpct	M/M + L	M/M + Lv	Q	F	L	QFL	K	Tplag	K/F	Kspar/F	Micr/F	Tplag/F
LANL4-0007	0	0	220	53	479	45.9%	43.0%	1.00	1.00	94	80	0	174	30	50	0.38	0.01	0.36	0.63
LANL4-0008	1	0	397	29	652	60.9%	34.7%	0.15	0.15	9	12	188	209	6	6	0.50	0.00	0.00	0.50
LANL4-0009	3	0	422	18	610	69.2%	27.9%	0.10	0.10	11	4	142	157	3	1	0.75	0.00	0.00	0.25
LANL4-0010	1	0	381	33	547	69.7%	24.3%	0.02	0.02	1	1	121	123	0	1	0.00	0.00	0.00	1.00
LANL4-0011	0	0	269	88	624	43.1%	42.8%	1.00	1.00	122	82	0	204	28	54	0.34	0.00	0.34	0.66
LANL4-0013	0	0	425	62	647	65.7%	24.7%	0.06	0.06	3	2	149	154	2	0	1.00	0.00	0.00	0.00
LANL4-0014	0	0	412	47	640	64.4%	28.3%	0.06	0.06	4	4	169	177	4	0	1.00	0.00	0.00	0.00
LANL4-0015	2	0	373	22	613	60.8%	35.6%	1.00	0.97	101	78	6	185	21	57	0.27	0.00	0.27	0.73
LANL4-0016	7	0	257	99	547	47.0%	34.9%	0.32	0.32	39	15	125	179	3	12	0.20	0.00	0.13	0.80
LANL4-0017	0	0	302	134	618	48.9%	29.4%	0.99	0.99	90	75	2	167	25	50	0.33	0.03	0.31	0.67
LANL4-0018	0	0	314	117	664	47.3%	35.1%	0.11	0.11	17	6	203	226	3	3	0.50	0.00	0.00	0.50
LANL4-0019	2	0	353	36	611	57.8%	36.3%	0.04	0.04	1	2	205	208	1	1	0.50	0.00	0.00	0.50
LANL4-0020	1	0	286	20	549	52.1%	44.3%	1.00	0.97	102	91	7	200	52	39	0.57	0.05	0.52	0.43
LANL4-0022	0	2	441	11	616	71.6%	26.6%	0.86	0.86	64	55	21	140	48	7	0.87	0.00	0.00	0.13
LANL4-0023	1	0	386	31	594	65.0%	29.8%	0.85	0.85	69	63	24	156	55	8	0.87	0.00	0.00	0.13
LANL4-0024	0	0	319	47	616	51.8%	40.6%	1.00	0.94	120	87	15	222	23	64	0.26	0.01	0.25	0.74
LANL4-0025	3	0	427	52	693	61.6%	30.9%	0.28	0.28	32	18	147	197	10	8	0.56	0.17	0.00	0.44
LANL4-0026	0	5	429	31	598	71.7%	23.1%	0.76	0.76	45	41	29	115	37	4	0.90	0.00	0.00	0.10
LANL4-0029	1	1	277	44	521	53.2%	38.4%	0.24	0.24	28	17	145	190	15	2	0.88	0.00	0.00	0.12
LANL4-0030	0	0	224	87	489	45.8%	36.4%	0.23	0.23	29	12	135	176	5	7	0.42	0.08	0.00	0.58
LANL4-0031	1	1	382	31	624	61.2%	33.8%	0.82	0.81	74	68	35	177	44	24	0.65	0.03	0.00	0.35
LANL4-0032	0	0	308	49	508	60.6%	29.7%	0.18	0.18	10	5	118	133	2	3	0.40	0.00	0.00	0.60
LANL4-0033	0	0	344	4	555	62.0%	37.3%	0.85	0.85	88	70	28	186	44	26	0.63	0.00	0.00	0.37
LANL4-0034	0	0	341	28	548	62.2%	32.7%	0.05	0.05	8	0	170	178	0	0	.	.	.	.
LANL4-0035	0	0	330	54	545	60.6%	29.5%	0.06	0.06	6	3	148	157	0	3	0.00	0.00	0.00	1.00
LANL5-01	0	0	338	20	592	57.1%	39.5%	0.23	0.23	8	34	178	220	2	32	0.06	0.06	0.00	0.94
LANL5-02	0	0	410	59	691	59.3%	32.1%	0.40	0.40	31	43	131	205	8	35	0.19	0.14	0.05	0.81
LANL5-03	0	0	483	27	856	56.4%	40.4%	0.17	0.17	19	12	285	316	2	10	0.17	0.17	0.00	0.83
LANL5-04	3	3	494	22	839	58.9%	38.5%	0.13	0.13	9	28	275	312	23	5	0.82	0.82	0.00	0.18
LANL5-05	0	0	173	13	292	59.2%	36.3%	0.56	0.56	13	43	47	103	2	41	0.05	0.05	0.00	0.95
LANL5-06	0	0	356	22	649	54.9%	41.8%	0.14	0.14	7	29	233	269	4	25	0.14	0.14	0.00	0.86

	Paste Parameters and Calculated Paste Ratios[a]							Compositional Comparison Measures												
								Mineral:lithic ratio[b]		Bulk Composition[c]				Feldspar Ratios[c]						
Sample	**Clay lump**	**Grog**	**Paste**	**Voids**	**P+V+T**	**pastepct**	**Sandpct**	**M/M + L**	**M/M + Lv**	**Q**	**F**	**L**	**QFL**	**K**	**Tplag**	**K/F**	**Kspar/F**	**Micr/F**	**Tplag/F**
LANL5-07	0	0	344	65	729	47.2%	43.9%	0.41	0.40	64	57	190	311	3	54	0.05	0.05	0.00	0.95
LANL5-08	0	0	244	48	598	40.8%	51.2%	0.97	0.96	105	70	11	186	10	60	0.14	0.09	0.06	0.86
LANL5-09	0	1	322	67	655	49.2%	40.6%	0.93	0.93	115	97	17	229	24	73	0.25	0.06	0.19	0.75
LANL5-10	0	0	233	80	541	43.1%	42.1%	0.99	0.98	100	55	5	160	7	48	0.13	0.05	0.07	0.87
LANL5-11	3	0	368	9	607	60.6%	37.9%	0.97	0.93	84	105	15	204	5	100	0.05	0.01	0.04	0.95
LANL5-12	0	1	487	15	712	68.4%	29.5%	0.98	0.98	99	97	5	201	21	76	0.22	0.16	0.05	0.78
LANL5-13.1	0	4	143	10	184	77.7%	16.8%	0.88	0.85	10	10	4	24	4	6	0.40	0.40	0.00	0.60
LANL5-13.2	0	5	316	43	636	49.7%	43.6%	0.82	0.80	72	132	54	258	18	114	0.14	0.14	0.00	0.86
LANL5-14	0	0	347	28	513	67.6%	26.9%	0.68	0.68	37	54	44	135	32	22	0.59	0.59	0.00	0.41
LANL5-15	0	0	310	15	459	67.5%	29.2%	0.69	0.68	31	55	43	129	12	43	0.22	0.22	0.00	0.78

[a]Paste parameters and related calculated parameters: P + V + T = Paste + Voids + Total. Paste percent = Paste/P + V + T. Sand percent = Total (from Table Q.4a)/P + V + T. Paste values are missing from some sherds. Mineral to Lithic Ratios: M = Total mineral grains (Q + F + sum of Px to Gar, Table Q.4b). Lv = Sum of volcanic lithic grains (Lv___). Lm = Sum of metamorphic lithic grains (Lm___). Ls = Sum of sedimentary lithic grains (Ls___). L = Lv + Lm + Ls. Bulk Composition and Feldspar Ratios: Q = Qtz + Sqtz. F = K + Tplag. Tkspar = Kspar + Skspar. K = Kspar + Skspar + Micr + Sanid. Tplag = Plag + Plagal + Plaggn + Splag.

Table Q.5. Sand point count data.

					Q		F							
							K				Tplag			
Sample	**Sand type**	**Ts_use**	**Analyst**	**Total**	**Qtz**	**Sqtz**	**Kspar**	**Skspar**	**Micr**	**Sanid**	**Plag**	**Plagal**	**Plaggn**	**Splag**
PAX37-0067	Anthill	1	SCR	350	262	0	1	0	0	69	0	0	0	0
PAX37-0068	Anthill	1	SCR	319	161	4	1	0	4	94	1	7	0	0
PAX37-0069	Alluvial	1	SCR	396	100	0	2	0	4	109	6	6	0	0
PAX37-0070	Alluvial	1	SCR	372	136	0	0	0	0	134	4	0	0	0

Sample	**Px**	**Amph**	**Biot**	**Sbiot**	**Chlor**	**Schlor**	**Musc**	**Smusc**	**Opaq**	**Sopaq**	**Oliv**	**Epid**	**Sphene**	**Gar**	**Unkn**
PAX37-0067	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PAX37-0068	0	0	0	0	1	0	0	0	2	0	0	0	0	0	2
PAX37-0069	0	1	0	0	1	0	1	0	15	0	0	0	0	0	1
PAX37-0070	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0

Sample	**L**													
	Volcanic lithic fragments (Lv)						**Metamorphic lithic fragments (Lm)**			**Sedimentary lithic fragments (Ls)**				
	Lvf	**Lvfb**	**Lvm**	**Lvi**	**Lvv**	**Lvh**	**Lma2**	**Lmttp**	**Lmmf**	**Lss**	**Lsa**	**Lsch**	**Lsca1**	**Caco**
PAX37-0067	16	0	0	0	2	0	0	0	0	0	0	0	0	0
PAX37-0068	33	1	0	4	4	0	0	0	0	0	0	0	0	0
PAX37-0069	120	1	0	14	13	0	0	0	0	2	0	0	0	0
PAX37-0070	55	0	0	7	32	1	0	0	0	0	0	0	0	0

Sample	**m/m+lv**	**m/m+l**	**Q**	**F**	**L**	**QFL**	**K**	**Tplag**	**Tkspar/F**	**Micr/F**	**K/F**	**Tplag/F**
Pax37-67	0.95	0.95	262	70	18	350	70	0	0.01	0.00	1.00	0.00
Pax37-68	0.87	0.87	165	107	42	314	99	8	0.01	0.04	0.93	0.07
Pax37-69	0.62	0.62	100	127	150	377	115	12	0.02	0.03	0.91	0.09
Pax37-70	0.74	0.74	136	138	95	369	134	4	0.00	0.00	0.97	0.03

TQtz = Qtz + Sqtz; Tkspar = Kspar + Skspar; K = Kspar + Skspar + Micr + Sanid; Tplag = Plag + Plagal + Plaggn + Splag; F = K + Tplag; M = Total mineral grains (Q + F + [sum of Px to Gar]); Lv = Sum of volcanic lithic grains (Lv__); Lm = Sum of metamorphic lithic grains (Lm__); Lv = Sum of sedimentary lithic grains (Ls__); L = Lv + Lm + Ls

Table Q.6. Qualitative attributes, texture, morphology, and grain types of sand-sized grains in the Los Alamos sherds.

	Texture and Grain Size Distributions				Most abundant grain types			
Sample	**Spher-icity**	**Angularity**	**Sorting**	**Modal grain size**	**Dominant sand-sized grain type**	**Accessory 1**	**Accessory 2**	**Accessory 3**
PAX33-001	-	-	Bimodal	Fine	Quartz	K-feldspar	Plagioclase	-
PAX33-002	-	-	Mod. poor	Fine	Quartz	K-feldspar	-	-
PAX33-003	-	-	Mod. poor	Fine	Quartz	Feldspar	Micas	-
PAX33-004	-	-	Mod. poor	Bimodal	Quartz	K-feldspar	Plagioclase	Micas
PAX33-005	-	-	Moderate	Fine	Quartz	K-feldspar	Plagioclase	-
PAX33-006	-	-	Moderate	Medium	Quartz	K-feldspar	Micas	-
PAX33-007	-	-	Moderate	Fine	Quartz	Plagioclase	-	-
PAX33-008	-	-	Poor	Coarse	Quartz	K-feldspar	Micas	Opaques
PAX33-009	-	-	Mod. poor	Bimodal	Quartz	K-feldspar	-	-
PAX33-010	-	-	Bimodal	Coarse	Quartz	K-feldspar	Vitric felsite	-
PAX33-011	-	-	Bimodal	Medium	Vitric felsite	Quartz	K-feldspar	-
PAX33-012	-	-	Bimodal	Medium	Quartz	Opaques	K-feldspar	Plagioclase
PAX33-013	-	-	Mod. poor	Medium	Quartz	Plagioclase	K-feldspar	Micas
PAX33-014	-	-	Bimodal	Fine	Quartz	K-feldspar	Plagioclase	-
PAX33-015	-	-	Bimodal	Medium	Quartz	K-feldspar	Plagioclase	-
PAX33-016	-	-	Bimodal	Medium	Quartz	K-feldspar	Vitric felsite	-
PAX33-017	-	-	Mod. poor	Coarse	Quartz	K-feldspar	Opaques	Plagioclase
PAX33-018	-	-	Bimodal	Medium	Quartz	K-feldspar	Plagioclase	Biotite
PAX37-0001	High	Subangular	Bimodal	Bimodal	Sanidine	Quartz	Sanid. felsite	Plagioclase
PAX37-0002	Moderate	Angular	Bimodal	Bimodal	Sanidine	Quartz	Sanid. felsite	Plagioclase
PAX37-0003	Moderate	Angular	Mod. poor	V. coarse	Sanidine	Quartz	Sanid. tuff	Plagioclase
PAX37-0004	High	Subround	Well sorted	V. fine	Quartz	K-feldspar	Biotite	Vitric felsite
PAX37-0005	Moderate	Subangular	Bimodal	Bimodal	Vitric felsite	Quartz	Sanidine	-
PAX37-0006	Low	Angular	Moderate	Coarse	Sanidine	Quartz	Plagioclase	Felsites
PAX37-0007	High	Angular	Moderate	V. fine	Quartz	Sanidine	Plagioclase	Amphibole
PAX37-0009	Moderate	Subangular	Bimodal	Bimodal	Sanidine	Quartz	Sanid. felsite	Plagioclase
PAX37-0010	Moderate	Subangular	Bimodal	Bimodal	Sanidine	Quartz	Sanid. felsite	Plagioclase
PAX37-0011	Moderate	Subangular	Poor	V. fine	Sanidine	Vitric felsite	Quartz	Plagioclase
PAX37-0012	Moderate	Subangular	Bimodal	Bimodal	Vitric felsite	Vitric felsite	Sanidine	Plagioclase
PAX37-0013	Moderate	Subangular	Bimodal	Bimodal	Quartz	Sanidine	Sanid. felsite	Plagioclase
PAX37-0014	Moderate	Subangular	Bimodal	Bimodal	Sanidine	Quartz	Sanid. felsite	Grog
PAX37-0015	Low	V. angular	Mod. well	Medium	Vitric felsite	Quartz	Sanidine	Plagioclase

	Texture and Grain Size Distributions				Most abundant grain types			
Sample	**Spher-icity**	**Angularity**	**Sorting**	**Modal grain size**	**Dominant sand-sized grain type**	**Accessory 1**	**Accessory 2**	**Accessory 3**
PAX37-0016	Moderate	Subangular	Mod. well	Coarse	Sanidine	Vitric felsite	Quartz	Plagioclase
PAX37-0017	Moderate	V. angular	Bimodal	Bimodal	Sanidine	Quartz	Plagioclase	Sanid. felsite
PAX37-0018	Moderate	Angular	Poor	Medium	Granite or Granite-Gneiss	Quartz	Plagioclase	Microcline
PAX37-0019	Moderate	Angular	Bimodal	Bimodal	Sanidine	Quartz	Sanid. felsite	Plagioclase
PAX37-0020	Moderate	Angular	Bimodal	Bimodal	Sanidine	Quartz	Sanid. felsite	Plagioclase
PAX37-0021	Low	Angular	Moderate	Coarse	Vitric felsite	Sanidine	Quartz	Pyroxene
PAX37-0022	Moderate	Angular	Moderate	Coarse	Sanidine	Sanid. felsite	Quartz	Plagioclase
PAX37-0023	Moderate	Subangular	Mod. well	Fine	Quartz	Vitric felsite	Sanidine	Plagioclase
PAX37-0024	Moderate	Subangular	Mod. well	V. fine	Quartz	Felsites	Chlorite	K. feldspars
PAX37-0025	Moderate	Angular	Bimodal	Bimodal	Quartz	Plagioclase	Sanidine	Felsites
PAX37-0026	Moderate	Angular	Bimodal	Bimodal	Sanidine	Quartz	Plagioclase	Vitric felsite
PAX37-0027	Moderate	Subangular	Moderate	V. fine	Quartz	Plagioclase	Vitric felsite	K. feldspars
PAX37-0028	Moderate	V. angular	Mod. poor	Medium	Vitric felsite	Sanidine	Quartz	Sanid. vitric felsite
PAX37-0029	Moderate	Subangular	Mod. well	Fine	Vitric felsite	Quartz	Sanidine	-
PAX37-0030	Moderate	Angular	Bimodal	Bimodal	Sanidine	Quartz	Felsites	Plagioclase
PAX37-0031	Moderate	Subangular	Bimodal	Bimodal	Sanidine	Quartz	Felsites	Plagioclase
PAX37-0032	Moderate	Angular	Moderate	Medium	Vitric felsite	Quartz	Sanidine	Plagioclase
PAX37-0033	Moderate	Subangular	Moderate	Fine	Vitric felsite	Quartz	Chlorite	Plagioclase
PAX37-0034	Moderate	Subangular	Bimodal	Bimodal	Quartz	Sanidine	Sanid. felsite	-
PAX37-0035	Moderate	Subround	Bimodal	Bimodal	Quartz	Sanidine	Felsites	-
PAX37-0036	Moderate	V. angular	Bimodal	Bimodal	Sanidine	Quartz	Sanid. felsite	Plagioclase
PAX37-0037	Moderate	V. angular	Moderate	V. coarse	Quartz	Plagioclase	Microcline	Meta-granite
PAX37-0038	Low	Angular	Moderate	Fine	Vitric felsite	Sanidine	Quartz	-
PAX37-0039	Low	Angular	Mod. poor	Coarse	Vitric felsite	Quartz	Sanidine	Qtz. felsite
PAX37-0040	Low	V. angular	Moderate	V. coarse	Vitric felsite	Quartz	Sanidine	Plagioclase
PAX37-0041	Moderate	Angular	Bimodal	Bimodal	Sanidine	Quartz	Sanid. felsite	-
PAX37-0042	Low	V. angular	Mod. well	Medium	Vitric felsite	Sanidine	Quartz	Microcline
PAX37-0043	Moderate	Subangular	Bimodal	Bimodal	Sanidine	Quartz	Felsites	Plagioclase
PAX37-0044	Low	V. angular	Mod. well	Medium	Vitric felsite	Quartz	Plagioclase	Sanidine
PAX37-0045	Low	V. angular	Poor	V. coarse	Quartz	Microcline	Plagioclase	Meta-granite
PAX37-0046	Low	Angular	Moderate	Coarse	Vitric felsite	Quartz	Plagioclase	K. feldspars
PAX37-0047	Moderate	Subangular	Moderate	V. coarse	Interm. volc.	Plagioclase	Quartz	Sanidine
PAX37-0048	Low	V. angular	Moderate	Fine	Vitric felsite	Sanidine	Quartz	Interm. volc.

	Texture and Grain Size Distributions				Most abundant grain types			
Sample	**Spher-icity**	**Angularity**	**Sorting**	**Modal grain size**	**Dominant sand-sized grain type**	**Accessory 1**	**Accessory 2**	**Accessory 3**
PAX37-0049	Moderate	V. angular	Mod. poor	V. coarse	Quartz	Meta-granite	Muscovite	Plagioclase
PAX37-0050	Low	Angular	Mod. well	Medium	Vitric felsite	Quartz	Plagioclase	K. feldspars
PAX37-0051	Low	V. angular	Moderate	V. coarse	Quartz	Meta-granite	Muscovite	Plagioclase
PAX37-0052	Low	Angular	Mod. well	Medium	Vitric felsite	Quartz	Plagioclase	K. feldspars
PAX37-0053	Low	Angular	Moderate	Fine	Vitric felsite	Sanidine	Quartz	Sanid-qtz. felsite
PAX37-0054	Low	Angular	Moderate	Medium	Vitric felsite	Quartz	Sanidine	-
PAX37-0056	Moderate	Angular	Bimodal	Bimodal	Quartz	Sanidine	Sanid. felsite	Plagioclase
PAX37-0057	Moderate	Angular	Mod. well	Medium	Quartz	Limestone	K-feldspar	Plagioclase
PAX37-0058	High	Subround	Mod. well	V. fine	Quartz	Vitric felsite	Sanidine	Plagioclase
PAX37-0059	Moderate	Subangular	Bimodal	Bimodal	Sanidine	Quartz	Plagioclase	Sanid. felsite
PAX37-0060	Moderate	Subangular	Moderate	Fine	Quartz	Vitric felsite	Sanidine	Plagioclase
PAX41-0166-1	Moderate	Angular	Mod. poor	V. coarse	Sanidine	Vitric felsite	Quartz	Plagioclase
PAX41-0171-1	Moderate	Angular	Mod. poor	V. coarse	Quartz	Sanidine	Sanid. felsite	Interm. volc.
PAX41-0171-2	Moderate	Angular	Mod. well	Fine	Quartz	Plagioclase	K-feldspar	Opaques
PAX41-0197-1	Moderate	Angular	Bimodal	Bimodal	Sanidine	Quartz	Sanid. vitric felsite	Interm. volc.
PAX41-0197-2	Moderate	Angular	Moderate	V. fine	Vitric felsite	Quartz	Sanidine	Plagioclase
PAX41-0204-1	Moderate	Angular	Bimodal	Bimodal	Sanidine	Quartz	Sanid. felsite	Plagioclase
PAX41-0204-2	Moderate	Angular	Mod. well	V. fine	Quartz	Plagioclase	K-feldspar	Caliche
PAX41-0248-1	Moderate	Angular	Bimodal	Bimodal	Sanidine	Quartz	Tuff	Vitric felsite
PAX41-0248-1	Moderate	Subangular	Mod. poor	V. coarse	Sanidine	Quartz	Sanid. felsite	Vitric felsite
PAX41-0248-2	Low	V. angular	Moderate	Medium	Vitric felsite	Sanidine	Quartz	Pyroxene
PAX41-0371-1	Moderate	Subangular	Bimodal	Bimodal	Sanidine	Quartz	Plagioclase	Sanid. felsite
PAX41-0371-2	Low	V. angular	Moderate	Medium	Vitric felsite	Sanidine	Quartz	-
PAX41-0456-1	Moderate	Subangular	Bimodal	Bimodal	Sanidine	Quartz	Sanid. vitric felsite	Interm. volc.
PAX41-0579-1	Moderate	Subangular	Bimodal	Bimodal	Quartz	Sanidine	clay lump/argillite	Sanid. vitric felsite
PAX41-0579-2	Moderate	Angular	Moderate	Medium	Quartz	Plagioclase	K-feldspar	clay lump/argillite
PAX41-0631-1	Moderate	Subangular	Bimodal	Bimodal	Sanidine	Quartz	Sanid. vitric felsite	Interm. volc.
PAX41-0642-1	Moderate	Subangular	Bimodal	Bimodal	Sanidine	Quartz	Felsite	Opaques
PAX41-0642-2	Moderate	V. angular	Moderate	Coarse	Vitric felsite	Sanidine	Quartz	-
PAX41-0652-1	Moderate	Subangular	Bimodal	Bimodal	Quartz	Sanidine	Sanid. felsite	Plagioclase
PAX41-0652-2	Moderate	V. angular	Mod. poor	Coarse	Vitric felsite	Felsite	Quartz	Sanidine
PAX41-0715-1	Moderate	Subangular	Bimodal	Bimodal	Quartz	Sanidine	Sanid. felsite	Sanid. vitric felsite

	Texture and Grain Size Distributions				Most abundant grain types			
Sample	**Spher-icity**	**Angularity**	**Sorting**	**Modal grain size**	**Dominant sand-sized grain type**	**Accessory 1**	**Accessory 2**	**Accessory 3**
PAX41-0715-2	Low	V. angular	Moderate	Coarse	Vitric felsite	Sanidine	Quartz	Pyroxene
PAX41-0872-1	Moderate	Subangular	Bimodal	Bimodal	Clay lump/argillite	Vitric felsite	Sanidine	Quartz
PAX41-0925-2	Moderate	Subangular	Bimodal	Bimodal	Clay lump/argillite	Vitric felsite	Quartz	Sanidine
PAX41-0942-1	Moderate	Subangular	Bimodal	Bimodal	Sanidine	Quartz	Sanid. felsite	Felsite
PAX41-0969-1	Low-mod.	Angular	Bimodal	Bimodal	Clay lump/argillite	Vitric felsite	Sanidine	Quartz
PAX41-1254-01	Low-mod.	Angular	Bimodal	Bimodal	Clay lump/argillite	Vitric felsite	Sanidine	Quartz
PAX41-1254-1	Moderate	Subangular	Bimodal	Bimodal	Sanidine	Quartz	Vitric felsite	Plagioclase
PAX41-1254-2	Moderate	Subangular	Bimodal	Bimodal	Clay lump/argillite	Vitric felsite	Sanidine	Quartz
PAX41-1352-1	Moderate	Angular	Bimodal	Bimodal	Sanidine	Quartz	K-feldspar	Interm. volc.
PAX41-1352-2	Moderate	Angular	Bimodal	Bimodal	Vitric felsite	clay lump/argillite	Quartz	Sanidine
PAX41-1384-1	Moderate	Angular	Bimodal	Bimodal	Sanidine	Quartz	Plagioclase	Sanid. vitric felsite
PAX41-1384-2	Moderate	Subangular	Bimodal	Bimodal	Clay lump/argillite	Quartz	Sanidine	Vitric felsite
PAX41-1753-1	Moderate	Subangular	Bimodal	Bimodal	Sanidine	Quartz	Interm. volc.	Sanid. felsite
PAX41-1900-1	Moderate	Angular	Mod. poor	V. coarse	Sanidine	Sanid. felsite	Quartz	Plagioclase
PAX41-1900-2	Moderate	Subangular	Bimodal	Bimodal	Clay lump/argillite	Quartz	Vitric felsite	Sanidine
PAX41-2106-2	Moderate	Angular	Bimodal	Bimodal	Sanidine	Quartz	Plagioclase	Felsic volcanic
PAX41-2202-2	Moderate	Angular	Moderate	Silt	Clay lump/argillite	Sanidine	Quartz	Vitric felsite
PAX41-2307-1	Moderate	Subangular	Bimodal	Bimodal	Sanidine	Quartz	Plagioclase	Sanid. felsite
PAX41-2351-1	Moderate	Angular	Moderate	V. coarse	Sanidine	Quartz	Sanid. vitric felsite	Interm. volc.
LANL4-0001	Low	V. Angular	Moderate	V. fine	Vitric felsite	Sanidine	Quartz	Plagioclase
LANL4-0002	Low	V. Angular	Poor	V. Coarse	Quartz	Microcline	Chlorite	Plagioclase
LANL4-0003	Low	V. Angular	Poor	V. coarse	Quartz	Microcline	Plagioclase	Muscovite
LANL4-0005	Low	Angular	Bimodal	Bimodal	Sanidine	Quartz	Vitric felsite	Qtz-sanid. felsite
LANL4-0006	Low	V. Angular	Mod. well	Medium	Vitric felsite	Quartz	Sanidine	-
LANL4-0007	Low	V. Angular	Poor	V. coarse	Quartz	Meta-granite	Microcline	Muscovite

	Texture and Grain Size Distributions				Most abundant grain types			
Sample	**Spher-icity**	**Angularity**	**Sorting**	**Modal grain size**	**Dominant sand-sized grain type**	**Accessory 1**	**Accessory 2**	**Accessory 3**
LANL4-0008	Low	V. Angular	Mod. well	Medium	Vitric felsite	Quartz	Chlorite	Feldspars
LANL4-0009	Low	V. Angular	Mod. well	Medium	Vitric felsite	Quartz	Diatoms	Sanidine
LANL4-0010	Low	V. Angular	Mod. well	Medium	Vitric felsite	Quartz	Sanidine	Diatoms
LANL4-0011	Low	V. Angular	Poor	V. coarse	Quartz	Microcline	Muscovite	Meta-granite
LANL4-0013	Low	V. Angular	Moderate	Coarse	Vitric felsite	Clay lump/Fe oxides	Quartz	Sanidine
LANL4-0014	Low	V. Angular	Mod. well	Medium	Vitric felsite	Quartz	Clay lump/Fe oxides	Sanidine
LANL4-0015	Moderate	Angular	Bimodal	Bimodal	Quartz	Meta-granite	Plagioclase	Muscovite
LANL4-0016	Moderate	Angular	Moderate	Coarse	Vitric felsite	Quartz	Sanidine	Clay lump/argillite
LANL4-0017	Moderate	Angular	Poor	V. coarse	Granite or Granite-Gneiss	Quartz	Alt. plagioclase	Microcline
LANL4-0018	Low	V. Angular	Moderate	Medium	Vitric felsite	-	-	-
LANL4-0019	Low	V. Angular	Moderate	Medium	Vitric felsite	Quartz	Sanidine	-
LANL4-0020	Low	V. Angular	Poor	V. coarse	Granite or Granite-Gneiss	Quartz	Muscovite	Microcline
LANL4-0022	High	Subangular	Bimodal	Bimodal	Quartz	Sanidine	Felsites	Qtz. vitric felsite
LANL4-0023	High	Subangular	Bimodal	Bimodal	Quartz	Sanidine	Felsites	-
LANL4-0024	Low	V. Angular	Poor	Coarse	Quartz	Meta-granite	Microcline	Muscovite
LANL4-0025	Low	Angular	Moderate	Medium	Quartz	Vitric felsite	Clay lump/argillite	Sanidine
LANL4-0026	High	Subangular	Bimodal	Bimodal	Sanidine	Quartz	Grog	Felsites
LANL4-0029	Moderate	V. Angular	Mod. poor	Medium	Vitric felsite	Quartz	Sanidine	Tuff
LANL4-0030	Moderate	V. Angular	Moderate	Medium	Vitric felsite	Quartz	Alt. plagioclase	Felsites
LANL4-0031	High	Subangular	Bimodal	Bimodal	Quartz	Sanidine	Interm. volc.	Vitric felsite
LANL4-0032	Low	V. Angular	Moderate	Medium	Vitric felsite	Quartz	Sanidine	Clay lump/argillite
LANL4-0033	Moderate	Angular	Bimodal	Bimodal	Quartz	Sanidine	Felsites	Opaque
LANL4-0034	Low	V. Angular	Mod. well	Fine	Vitric felsite	Quartz	Sanidine	-
LANL4-0035	Low	V. Angular	Mod. well	Fine	Vitric felsite	Quartz	Sanidine	-
LANL5-01	Moderate	Subangular	Mod. well	Fine	Vitric felsite	-	-	-
LANL5-02	Moderate	Subround	Moderate	Fine	Vitric felsite	Plagioclase	Quartz	Felsite
LANL5-03	Moderate	Subangular	Moderate	Fine	Vitric felsite	Quartz	Plagioclase	-
LANL5-04	Moderate	Subangular	Mod. poor	Medium	Vitric felsite	K-feldspar	-	-
LANL5-05	Moderate	Subround	Bimodal	Bimodal	Vitric felsite	Plagioclase	Quartz	-

	Texture and Grain Size Distributions				Most abundant grain types			
Sample	**Spher-icity**	**Angularity**	**Sorting**	**Modal grain size**	**Dominant sand-sized grain type**	**Accessory 1**	**Accessory 2**	**Accessory 3**
LANL5-06	Moderate	Subround	Mod. poor	Medium	Vitric felsite	-	-	-
LANL5-07	Low-mod.	Subround	Mod. poor	Medium	Vitric felsite	Quartz	Plagioclase	-
LANL5-08	Low-mod.	Subround	Very poor	Coarse	Granite or Granite-Gneiss	Quartz	Plagioclase	Micas
LANL5-09	Low-mod.	Subround	Very poor	Coarse	Granite or Granite-Gneiss	Quartz	Plagioclase	Micas
LANL5-10	Moderate	Subangular	Very poor	Coarse	Granite or Granite-Gneiss	Quartz	Plagioclase	Micas
LANL5-11	Moderate	Subangular	Bimodal	Bimodal	Granite or Granite-Gneiss	Plagioclase	Quartz	Micas
LANL5-12	Moderate	Subround	Bimodal	Bimodal	Quartz	Plagioclase	Granite-gneiss	-
LANL5-13	Moderate	Subround	Bimodal	Bimodal	Plagioclase	Quartz	Felsite	Vitric felsite
LANL5-14	Moderate	Subround	Bimodal	V. fine	Quartz	K-feldspar	Plagioclase	Vitric felsite
LANL5-15	Moderate	Subround	Bimodal	Fine	Plagioclase	Quartz	Vitric felsite	K-feldspar

Table Q.7. Temper characterizations for the Los Alamos sherds.

Sample	Ceramicist's temper characterizations	Petrographer's initial temper characterization (before full analysis)	Working temper characterizations ("lumped" analytical groups/ reassessments)	Final temper characterizations	
				Temper type	Temper group
PAX33-001	-	Sand	Sand	Sand	Anthill
PAX33-002	-	Sand plus grog	Sand	Sand	Anthill
PAX33-003	-	Sand	Sand	Sand	Anthill
PAX33-004	-	Sand	Sand	Sand	Granitic
PAX33-005	-	Sand	Sand	Sand	Anthill
PAX33-006	-	Sand	Sand	Sand	Anthill
PAX33-007	-	Sand	Sand	Sand	Anthill
PAX33-008	-	Sand	Sand	Sand	Anthill
PAX33-009	-	Sand	Sand	Sand	Anthill
PAX33-010	-	Sand plus grog	Sand	Sand	Anthill
PAX33-011	-	Sand	Tuff 2	Tuff	Tuff 2
PAX33-012	-	Sand	Sand	Sand	Anthill
PAX33-013	-	Sand	Sand	Sand	Granitic
PAX33-014	-	Sand	Sand	Sand	Anthill
PAX33-015	-	Sand plus grog	Sand	Sand	Anthill
PAX33-016	-	Sand	Sand	Sand	Anthill
PAX33-017	-	Sand plus grog	Sand	Sand	Anthill
PAX33-018	-	Sand plus grog	Sand	Sand	Anthill
PAX37-0001	Anthill sand	Anthill sand	Anthill	Sand	Anthill
PAX37-0002	Anthill sand	Anthill sand	Anthill	Sand	Anthill
PAX37-0003	Anthill sand	Anthill sand	Anthill	Sand	Anthill
PAX37-0004	Fine tuff or ash	Modified volcanic tuff	Tuff 2	Tuff	Tuff 2
PAX37-0005	Fine tuff or ash	Modified volcanic tuff	Tuff 2	Tuff	Tuff 2
PAX37-0006	Fine tuff or ash	Unmodified volcanic tuff	Anthill	Sand	Anthill
PAX37-0007	Fine tuff or ash	Modified volcanic tuff	Tuff 2	Sand	Anthill
PAX37-0009	Fine tuff or ash, with shale	Modified volcanic tuff	Tuff 2	Sand	Anthill
PAX37-0010	Anthill sand	Anthill sand	Anthill	Sand	Anthill
PAX37-0011	Anthill sand	Anthill sand	Anthill	Sand	Anthill
PAX37-0012	Fine tuff or ash	Modified volcanic tuff	Tuff 2	Tuff	Tuff 2
PAX37-0013	Fine tuff or ash	Modified volcanic tuff	Tuff 2	Sand	Anthill
PAX37-0014	Anthill sand	Anthill sand	Anthill	Sand	Anthill
PAX37-0015	Fine tuff or ash	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
PAX37-0016	Fine tuff or ash	Modified volcanic tuff	Tuff 2	Tuff	Tuff 2

Sample	Ceramicist's temper characterizations	Petrographer's initial temper characterization (before full analysis)	Working temper characterizations ("lumped" analytical groups/ reassessments)	Final temper characterizations	
				Temper type	Temper group
PAX37-0017	Anthill sand	Anthill sand	Anthill	Sand	Anthill
PAX37-0018	Granite with mica	Granitic sand	Granitic	Sand	Granitic
PAX37-0019	Anthill sand	Anthill sand	Anthill	Sand	Anthill
PAX37-0020	Anthill sand	Anthill sand	Anthill	Sand	Anthill
PAX37-0021	Tuff and sand	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
PAX37-0022	Anthill sand	Anthill sand	Anthill	Sand	Anthill
PAX37-0023	Fine tuff or ash	Modified volcanic tuff	Tuff 2	Tuff	Tuff 2
PAX37-0024	Fine tuff or ash	Modified volcanic tuff	Tuff 2	Tuff	Tuff 2
PAX37-0025	Anthill sand	Anthill sand	Anthill	Sand	Anthill
PAX37-0026	Anthill sand	Anthill sand	Anthill	Sand	Anthill
PAX37-0027	Tuff and anthill	Modified volcanic tuff	Tuff 2	Tuff	Tuff 2
PAX37-0028	Tuff and anthill	Modified volcanic tuff	Tuff 2	Tuff	Tuff 1
PAX37-0029	Tuff and anthill	Modified volcanic tuff	Tuff 2	Tuff	Tuff 2
PAX37-0030	Anthill sand	Anthill sand	Anthill	Sand	Anthill
PAX37-0031	Anthill sand	Anthill sand	Anthill	Sand	Anthill
PAX37-0032	Fine tuff or ash	Modified volcanic tuff	Tuff 2	Tuff	Tuff 2
PAX37-0033	Fine tuff or ash	Modified volcanic tuff	Tuff 2	Tuff	Tuff 2
PAX37-0034	Fine tuff or ash with shale	Anthill sand with clay lumps	Anthill	Sand	Anthill
PAX37-0035	Anthill sand	Anthill sand with clay lumps	Anthill	Sand	Anthill
PAX37-0036	Anthill sand	Anthill sand	Anthill	Sand	Anthill
PAX37-0037	Anthill sand	Granitic sand	Granitic	Sand	Granitic
PAX37-0038	Fine tuff or ash	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
PAX37-0039	Fine tuff or ash	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 2
PAX37-0040	Fine tuff or ash	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
PAX37-0041	Anthill sand	Anthill sand	Anthill	Sand	Anthill
PAX37-0042	Fine tuff or ash	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
PAX37-0043	Anthill sand	Anthill sand	Anthill	Sand	Anthill
PAX37-0044	Fine tuff or ash	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
PAX37-0045	Anthill sand?	Granitic sand	Granitic	Sand	Granitic
PAX37-0046	Ash, mica and sand	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
PAX37-0047	Granite with mica	Intermediate volcanic tuff	Tuff 2	Tuff	Tuff Other
PAX37-0048	Tuff and phenocrystals	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
PAX37-0049	Granite with mica	Granitic sand	Granitic	Sand	Granitic
PAX37-0050	Fine tuff or ash	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
PAX37-0051	Granite with mica	Granitic sand	Granitic	Sand	Granitic
PAX37-0052	Fine tuff or ash	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1

Sample	Ceramicist's temper characterizations	Petrographer's initial temper characterization (before full analysis)	Working temper characterizations ("lumped" analytical groups/ reassessments)	Final temper characterizations	
				Temper type	Temper group
PAX37-0053	Fine tuff or ash	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
PAX37-0054	Tuff and phenocrystals	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
PAX37-0056	Anthill sand	Anthill sand	Anthill	Sand	Anthill
PAX37-0057	Indeterminate	Quartz with limestone	Sedimentary	Sedimentary	Sedimentary
PAX37-0058	Indeterminate	Unmodified volcanic tuff	Tuff 2	Tuff	Tuff 2
PAX37-0059	Indeterminate	Anthill sand	Anthill	Sand	Anthill
PAX37-0060	Fine tuff or ash	Modified volcanic tuff	Tuff 2	Tuff	Tuff 2
PAX41-0166-1	-	Anthill sand	Anthill	Sand	Anthill
PAX41-0171-1	-	Anthill sand	Anthill	Sand	Anthill
PAX41-0171-2	-	Granitic sand	Anthill	Sand	Anthill
PAX41-0197-1	-	Anthill sand	Anthill	Sand	Anthill
PAX41-0197-2	-	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 2
PAX41-0204-1	-	Anthill sand	Anthill	Sand	Anthill
PAX41-0204-2	-	Granitic sand	Granitic	Sand	Anthill
PAX41-0248-1	-	Anthill sand	Anthill	Sand	Anthill
PAX41-0248-1	-	Anthill sand	Anthill	Sand	Anthill
PAX41-0248-2	-	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
PAX41-0371-1	-	Anthill sand	Anthill	Sand	Anthill
PAX41-0371-2	-	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
PAX41-0456-1	-	Anthill sand	Anthill	Sand	Anthill
PAX41-0579-1	-	Anthill sand	Anthill	Sand	Anthill
PAX41-0579-2	-	Granitic sand	Granitic	Sand	Anthill
PAX41-0631-1	-	Anthill sand	Anthill	Sand	Anthill
PAX41-0642-1	-	Anthill sand	Anthill	Sand	Anthill
PAX41-0642-2	-	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
PAX41-0652-1	-	Anthill sand	Anthill	Sand	Anthill
PAX41-0652-2	-	Unmodified volcanic tuff	Tuff 2	Tuff	Tuff 2
PAX41-0715-1	-	Anthill sand	Anthill	Sand	Anthill
PAX41-0715-2	-	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
PAX41-0872-1	-	Anthill sand with clay lumps	Anthill/Clay	Sand	Anthill/Clay
PAX41-0925-2	-	Anthill sand with clay lumps	Anthill/Clay	Sand	Anthill/Clay
PAX41-0942-1	-	Anthill sand	Anthill	Sand	Anthill
PAX41-0969-1	-	Anthill sand with clay lumps	Anthill/Clay	Sand	Anthill/Clay
PAX41-1254-01	-	Anthill sand with clay lumps	Anthill/Clay	Sand	Anthill/Clay
PAX41-1254-1	-	Anthill sand	Anthill	Sand	Anthill
PAX41-1254-2	-	Anthill sand with clay lumps	Anthill/Clay	Sand	Anthill/Clay

Sample	Ceramicist's temper characterizations	Petrographer's initial temper characterization (before full analysis)	Working temper characterizations ("lumped" analytical groups/ reassessments)	Final temper characterizations	
				Temper type	Temper group
PAX41-1352-1	-	Anthill sand	Anthill	Sand	Anthill
PAX41-1352-2	-	Anthill sand with clay lumps	Tuff 1	Tuff	Tuff 1/Clay
PAX41-1384-1	-	Anthill sand	Anthill	Sand	Anthill
PAX41-1384-2	-	Anthill sand with clay lumps	Anthill/Clay	Sand	Anthill/Clay
PAX41-1753-1	-	Anthill sand	Anthill	Sand	Anthill
PAX41-1900-1	-	Anthill sand	Anthill	Sand	Anthill
PAX41-1900-2	-	Anthill sand with clay lumps	Anthill/Clay	Sand	Anthill/Clay
PAX41-2106-2	-	Anthill sand	Anthill	Sand	Anthill
PAX41-2202-2	-	Anthill sand with clay lumps	Anthill/Clay	Sand	Anthill/Clay
PAX41-2307-1	-	Anthill sand	Anthill	Sand	Anthill
PAX41-2351-1	-	Anthill sand	Anthill	Sand	Anthill
LANL4-0001	Fine tuff	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
LANL4-0002	Granitic (micaceous)	Granitic crushed rock with mica	Granitic	Sand	Granitic
LANL4-0003	Granitic (micaceous)	Granitic crushed rock with mica	Granitic	Sand	Granitic
LANL4-0005	Anthill sand	Anthill sand	Anthill	Sand	Anthill
LANL4-0006	Fine tuff	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
LANL4-0007	Granitic (micaceous)	Granitic crushed rock with mica	Granitic	Sand	Granitic
LANL4-0008	Fine tuff	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
LANL4-0009	Fine tuff	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
LANL4-0010	Fine tuff	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
LANL4-0011	Granite with mica	Granitic crushed rock with mica	Granitic	Sand	Granitic
LANL4-0013	Fine tuff	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
LANL4-0014	Fine tuff	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
LANL4-0015	Granitic (micaceous)	Granitic crushed rock with mica	Granitic	Sand	Granitic
LANL4-0016	Fine tuff	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 2
LANL4-0017	Granite	Granitic crushed rock with mica	Granitic	Sand	Granitic
LANL4-0018	Fine tuff	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
LANL4-0019	Fine tuff	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
LANL4-0020	Granitic (micaceous)	Granitic crushed rock with mica	Granitic	Sand	Granitic

Sample	Ceramicist's temper characterizations	Petrographer's initial temper characterization (before full analysis)	Working temper characterizations ("lumped" analytical groups/ reassessments)	Final temper characterizations	
				Temper type	Temper group
LANL4-0022	Anthill sand	Anthill sand	Anthill	Sand	Anthill
LANL4-0023	Anthill sand	Anthill sand	Anthill	Sand	Anthill
LANL4-0024	Granitic (micaceous)	Granitic crushed rock with mica	Granitic	Sand	Granitic
LANL4-0025	Fine tuff	Modified volcanic tuff	Tuff 2	Tuff	Tuff 2
LANL4-0026	Anthill sand	Anthill sand	Anthill	Sand	Anthill
LANL4-0029	Fine tuff	Modified volcanic tuff	Tuff 2	Tuff	Tuff 2
LANL4-0030	Fine tuff	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
LANL4-0031	Anthill sand	Anthill sand	Anthill	Sand	Anthill
LANL4-0032	Fine tuff	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
LANL4-0033	Anthill sand	Anthill sand	Anthill	Sand	Anthill
LANL4-0034	Fine tuff	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
LANL4-0035	Fine tuff	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
LANL5-01	fine tuff and sand	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
LANL5-02	fine tuff and sand	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 2
LANL5-03	fine tuff and sand	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
LANL5-04	fine tuff and sand	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
LANL5-05	fine tuff and sand	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff Other
LANL5-06	fine tuff and sand	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 1
LANL5-07	fine tuff and sand	Unmodified volcanic tuff	Tuff 1	Tuff	Tuff 2
LANL5-08	Granitic (micaceous)	Granitic sand	Granitic	Sand	Granitic
LANL5-09	Granitic (micaceous)	Granitic sand	Granitic	Sand	Granitic
LANL5-10	Granitic (micaceous)	Granitic sand	Granitic	Sand	Granitic
LANL5-11	Granitic (micaceous)	Granitic sand	Granitic	Sand	Granitic
LANL5-12	Granitic (micaceous)	Granitic sand	Granitic	Sand	Granitic
LANL5-13	Anthill sand	Anthill sand	Anthill	Sand	Anthill
LANL5-14	Anthill sand	Anthill sand	Anthill	Sand	Anthill
LANL5-15	Anthill sand	Anthill sand	Anthill	Sand	Anthill

APPENDIX R:
DEBITAGE CODING SHEET

LA #
Area #
Room #
Feature #
Stratum #
Level #
FS #

Artifact Type

1. angular debris
2. core flake
3. blade
4. biface flake
5. uniface flake
6. notching flake
7. channel flake
8. bipolar flake
9. *piece esquillee*
10. core trimming flake
11. core tablet
12. burin spall
13. opposing core flake (struck from bottom of core)
14. change-of-orientation flake (overstruck core flake that removes bottom of core)
15. *outrepasse* (overstruck biface thinning flake)
16. pot lid
17. hammerstone flake
18. ground stone flake
19. manuport
20. microdebitage (< 10 mm)
21. und. Flake
22. fire-cracked rock

Material Type

See lithic material coding sheet

Material Grain

1. fine (glossy)
2. medium (smooth surface)
3. coarse (grainy to the touch)

Condition

1. whole (incl. angular debris, FCR, manuport)

2. proximal
3. midsection
4. distal
5. lateral
6. und. Fragment (includes microdebitage)

Measurements

length (mm for whole flakes and manuports that are river cobbles)
weight (0.1 gm; all)

Platform Type

1. absent
2. cortical
3. single-faceted
4. dihedral
5. multi-faceted
6. collapsed
7. crushed
8. battered (HS flakes)
9. non-applicable (angular debris, microdebitage, FCR, manuport)

Platform Preparation

1. none
2. abraded/crushed
3. ground
4. abraded/ground
5. retouched
6. retouched/abraded
7. retouched/ground
8.
9. und./non-applicable (collapsed, crushed, battered platform, flake frag) or (absent, angular debris, microdebitage, FCR, manuport)

Cortex Type (Raw Material Form)

1. absent
2. nodular
3. tabular
4. waterworn
5. quartz crystal
6. undetermined

Cortex Placement

1. absent
2. platform only
3. dorsal only
4. platform and partial dorsal

5. orange rind
6. platform and/or 100% dorsal
7. non-applicable (flake fragments, HS flakes, angular debris, microdebitage FCR, manuports)

Burning
1. absent
2. present

No. of Damaged Edges

Location of damage
1. end
2. lateral
3. projection
4. dorsal

Edge Outline
1. straight
2. concave
3. convex
4. straight/concave
5. straight/convex
6. concave/convex
7. projection (graver/perforator)
8. flat (abraded/ground surface)

Edge Angle (blank for projections and flat edge outlines)

CORES AND HEAVY-DUTY TOOLS

Artifact Type
20. core
21. tested material
22. cobble uniface
23. cobble biface
24. hammerstone
25. anvil

Material Type
See lithic material coding sheet

Material Grain
1. fine
2. medium

3. coarse

Condition
1. whole
2. fragment

Measurements
length (mm)
width (mm)
thickness (mm)
weight (gm; core fragments)

Core Type
1. single-directional (nodule blank)
2. bidirectional (nodule blank)
3. multi-directional (nodule blank)
4. bipolar core (nodule or flake blank)
5. core fragment (nodule or flake blank)
6. non-applicable (tm, cobbles, hammerstones)
7. flake core (flake blank)

Core platform orientation/shape
single-directional cores
1. single-face
2. multi-faces
3. prismatic
4. pyramidal

bidirectional cores
5. change of orientation
6. discoidal
7. bifacial
8. opposed same face
9. opposed different face
10. 90 degrees

multi-directional cores
11. globular
12. opposed/ 90 degrees
13. opposed same and different face

other cores
14. bipolar core
15. core fragment

non-applicable

16. non-cores (tm, cobbles, hammerstones)

Number of Core Platforms (zero for core fragments and non-cores, 1 for bipolar cores).

Core Platform type
1. cortical (e.g., cores on large flakes or angular debris)
2. single-faceted
3. cortical and single-faceted
4. multi-faceted
5. undetermined/non-applicable (core fragments, non-cores)

Core Platform Preparation
1. none
2. abraded/crushed
3. ground
4. abraded/ground
5.
6. undetermined/non-applicable (core fragments, non-cores)

Cortex Type (Raw Material Form)
1. absent
2. nodular
3. tabular
4. waterworn
5. quartz crystal
6. undetermined

Percent Cortical/Unflaked surface
1. <25%
2. 25-50%
3. 51-75%
4. >75%
5. undetermined (core frags)

Reason for Discard
1. broken: material flaw
2. broken: culturally induced fracture
3. extensive hinging/stepping
4. exhausted
5. still useable
6. extensive edge battering (e.g., core/hammerstone, cobble biface)
7. burned
8. undetermined
9. non-applicable (e.g., hammerstones)

Burning

1. absent
2. present

Number of Damaged Loci

Type of Damage (1-4)
1. battering
2. rounding
3. scarring
4. abrasion/ground

Location of Damage (1-4)
1. edge
2. convex surface
3. ridge
4. flat surface
5. flake scar ridge
6. all over

RETOUCHED TOOL CODING SHEET

Artifact Type
30. retouched pieces
31. notch (1-2 contiguous notches)
32. denticulate (>2 contiguous notches)
33. biface
34. projectile point
35. uniface
36. end scraper
37. side scraper
38. nosed scraper
39. circular scraper
40. transverse scraper
41.
42.
43. drill
44. perforator
45. graver
46. burin
47. ret. flake/perforator
48. perforator/notch
49. denticulate/notch
50. uniface/notch
51.

Material Type
See lithic material coding sheet

Material Gain
1. fine
2. medium
3. coarse

Condition (Note: manufacture, use, or undetermined for break type in comments)
1. whole
2. proximal
3. midsection
4. distal
5. lateral
6. und. fragment

Measurements (note also use separate form for projectile point metrics)
length (mm)
width (mm)
thickness (mm)
weight (gm; fragments)

Cortex Type (Raw Material Form)
1. absent
2. nodular
3. tabular
4. waterworn
5. quartz crystal
6. undetermined

Biface shape/Point Type
1-165. See list of point types
180. stemmed (shouldered or tanged)
181. contracting stem
182. corner-notched
183. side-notched
184. side-notched with basal-notch
185. fluted
186. und. fragment
201. ovoid
202. ovate
203. lanceolate
204. round
205. triangular
210. n/a (not a biface/pt)
211. cruciform

Burning
1. absent
2. present

Number of Separate Retouched Edges (1-formal tools; n- retouched pieces)

Retouch Type (1-4)
1. unidirectional ventral (inverse)
2. unidirectional dorsal (obverse)
3. bidirectional (both faces)
4. alternating (uni. ventral and dorsal along same edge)
5. alternate (uni. Ventral and dorsal along opposite edges)
6. beveled
7. alternate/beveled
8. use-wear
9. burination
10. backed
11. bidirectional/beveled

Edge Outline (1-4)
1. straight
2. concave
3. convex
4. straight/concave
5. straight/convex
6. concave/convex (denticulate or double notch)
7. projection (graver/perforator)
8. flat (abraded/ground surface)
9. undetermined (point frags)

Damage Present (1-4)
1. absent
2. present
3. undetermined (e.g., point base frags)

Edge Angle (1-4) (monitor on blade for pts and bifaces, scraper edges, and blank on point base frags)

PROJECTILE POINT CODING SHEET

1. Late Paleo-concave-based, convex blade: 1a (narrow) and 1b (wide)
2. Late Paleo-square-based; also may have convex blade
3. Jay (convex or straight base)
4. Bajada (concave base)

5. James Allen
6. Contracting stem: Gypsum Cave
7. Preform
8. Undetermined
9. Middle Archaic: San Jose
10. Late Archaic-Armijo
11. Foothill Mountain (convex blade, concave base/Angostura)
12. Late Paleo: Sierra Vista
13. Undetermined large side-notched
14. Long contracting stem (Hellgap/Agate Basin)
15. Great Basin
16. Large side-notched (straight base; Sudden or Northern)
17.
18. Large side-notched (concave base; San Rafael)
19. Late Archaic: corner-notched
20. Late Archaic: side-notched
21. Late Archaic: stemmed (straight or concave base)
22. Late Archaic: leaf-shaped
23. Late Archaic: contracting stem

Metrics

Overall length
Blade length
Blade width
Neck width
Stem length
Stem width
Max thickness
Basal depth
Weight

Condition

1. Whole
2. Proximal
3. Midsection
4. Distal
5. Lateral
6. Undetermined
7. Broken

Blade Shape

1. Straight (angled)
2. Parallel
3. Convex
4. Serrated
5. Concave
6. Irregular

7. Other
8. Undetermined

Base Shape

1. Straight
2. Concave
3. Notched
4. Convex (contracting)
5. Other
6. Undetermined

Ground

1. Base & lateral
2. Lateral
3. Base
4. Undetermined
5. Absent

Reworked

1. Absent
2. Blade
3. Base
4. Blade & Base
5. Undetermined

Beveling

1. Absent
2. Present
3. Undetermined

GROUND STONE CODING SHEET

Artifact Type

50. one-hand mano (<170 mm)
51. two-hand mano (>170 mm)
52. undetermined mano fragment
53. millingstone (>250 mm)
54. basin metate
55. formal slab metate
56. trough metate
57.
58. grinding slab (<250 mm)
59. undetermined metate fragment
60. polishing stone

61. palette
62. mortar
63. pestle
64. abrading stone (generalized)
65. grooved abrader
66. axe
67. maul
68. hoe
69. tchamajilla
70. ornament
71. pipe
72. stone ceramic lid
73. comal
74. misc. ground stone
75. vent plug (tiponi)
80. undetermined ground stone fragment
81. whet stone
82. shaped slab

Material Type

See lithic material coding sheet

Condition

1. whole
2. fragment

Measurements

length (mm)
width (mm)
thickness (mm)
weight (gm)

Primary Grinding Surface length (mm)

Primary Grinding Surface width (mm)

Use Location

1. single unopposed surface
2. two opposed surfaces
3. perimeter (e.g., abrading stone)
4. edge (e.g., axe)
5. other
6. undetermined (frags)
7. non-applicable (e.g., ornament, stone lids, shaped slab)

Grinding surface cross-section (single or double surfaces)

1. plano (flat)
2. concave
3. convex
4. bi-plano
5. plano-convex
6. plano-concave
7. bi-convex
8. wedge shaped
9. n/a (w/out grinding surfaces)
10. undetermined
11. beveled/flat
12. beveled/beveled
13. beveled (single surface)

Grinding Surface(s) Shape

1. ovoid
2. rectangular
3. n/a
4. undetermined
5. irregular (e.g., abrader)

Surface(s) modification

1. ground
2. pecked
3. ground/pecked
4. polished/ground
5. flaked (e.g., axe, hoe, shaped slab)
6. flaked/ground (e.g., axe)

Mano fingerholds

1. absent
2. one side
3. two sides
4. undetermined (mano frags)/ non-applicable (non-manos)

Other ground stone use-wear

1. absent
2. battering (mano/hammerstone, maul)
3. scarred/rounded edge (axe, tchamajilla)
4. core (e.g., 1-hand mano)
5. trough metate wear on mano

Burned

1. absent
2. present

LITHIC RAW MATERIAL TYPES

100. undetermined Igneous
110. basalt
    111. vesicular basalt
120. rhyolite
130. andesite
140. granite/diorite
150. dacite
180. obsidian
    181. black translucent (Jemez); also w/ white inclusions, banded and smokey.
    182. black opaque (with brown edges)
    183. black dusty (Polvadera)
    184. green (Jemez)
    185. brown (Jemez)
    186. gray (Cerro del Medio?)
    187. mahogany (Cerro del Medio?)
190. tuff
191. welded tuff
192.
193. pumice
200. Undetermined Sedimentary
    210. sandstone
    211. concretion
    212. fossil
    213. orthoquartzite
    214. conglomerate
    215. breccia
220. Siltstone
230. Shale
240. Jet
250. Limestone
260. Chalcedony
270. Chert
    271. Pedernal chert/chalcedony (with black, red and/or yellow)
    272. Alibates - 5RP 4/2, grayish/red/purple to 10R 4/2, grayish red
    273. Greenish/Gray/ mottled chert – N7, light gray to N4 medium dark gray
    274. Salmon pink chert – 10R 7/4, moderate orange pink
275. Yellow/Butterscotch chert – 10YR 5/4, moderate yellowish brown to 10YR 6/6 dark yellow orange
    276. Jasper/red/burgundy chert – 10R 2/2,very dusky red
    277. Yellowish/brown, (w/fossil incl.) – 10YR 5/4, moderate yellowish brown
    278. Green mottled chert, w/rust colored incl. – 5Y 4/1, olive gray, 10Y 6/2 pale olive to 5GY 5/2, dusky yellow green

279. Mottled tan/white chert – 5YR 6/1, light brownish gray to N7 light gray (was #261).

290. Silicified Wood
400. Undetermined Metamorphic
410. Quartzite
420. Schist
430. Soapstone
440. Metaconglomerate
450. Greenstone
460. Gneiss
470. Slate
899. Undetermined mineral

900. Quartz	904. Selenite/gypsum	908. Kaolinite
901. Quartz Crystal	905. Calcite	909. Turquoise
902. Hematite	906. Mica	910. Augite
903. Limonite	907. Azurite	911. Malachite

APPENDIX S
C&T FLOTATION SAMPLE SUMMARY INFORMATION

Table S.1. C&T summary flotation information.

Site	FS	Volume (liters)	Weight (grams)	Roots	Insects	Other
White Rock Tract						
LA 12587	632	1.65	140.8	+	+	rodent feces
LA 12587	641	1.7	14.9	+	+	-
LA 12587	656	1.65	52.0	+	+	-
LA 12587	695	1.8	31.4	+	+	-
LA 12587	708	1.9	33.5	+	+	-
LA 12587	758	1.8	17.0	+	+	-
LA 12587	881	2	31.7	+	+	-
LA 12587	956	2	19.5	+	+	-
LA 12587	957	1.7	15.6	+	+	rodent feces
LA 12587	1000	2	19.0	+	+	rodent feces
LA 12587	1064	1.3	19.8	+	+	1 u bone
LA 12587	1092	1.95	70.3	+	+	rodent feces
LA 12587	1200	1.25	7.5	+	+	-
LA 12587	1280	1.75	25.2	+	+	-
LA 12587	1485	2	88.5	+	+	-
LA 12587	1493	1.45	31.0	+	+	-
LA 12587	1579	0.8	5.4	+	+	-
LA 12587	1593	1.8	44.3	+	+	-
LA 12587	1699	1.8	9.6	+	+	-
LA 12587	1726	1.32	13.1	+	+	-
LA 12587	1886	1.95	34.9	+	+	-
LA 12587	1891	0.9	9.7	+	+	-
LA 12587	1917	1.9	44.3	+	+	-
LA 12587	2040	2	44.2	+	+	-
LA 12587	2080	1.25	23.8	+	+	2 u bones
LA 12587	2107	2	33.3	+	+	1 u bone
LA 12587	2397	0.6	3.7	+	+	1 u bone
LA 12587	2551	1.5	13.8	+	+	-
LA 12587	2555	2.1	234.9	+	+	-
LA 12587	2564	1.7	24.5	+	+	-
LA 12587	2571	2.6	18.6	+	+	-
LA 12587	2592	1.85	54.1	+	+	-
LA 12587	2630	2.2	10.1	+	+	-
LA 12587	2632	2.45	31.9	+	+	rodent feces
LA 12587	2635	2.2	25.4	+	+	-
LA 12587	2644	1.8	31.7	+	+	1 * bone
LA 12587	2645	1.9	144.1	+	+	1 u bone

Site	FS	Volume (liters)	Weight (grams)	Roots	Insects	Other
LA 12587	2646	2	29.6	+	+	-
LA 12587	2666	2	9.0	+	+	-
LA 12587	2667	1.9	49.4	+	+	-
LA 12587	2668	1.8	14.5	+	+	-
LA 12587	2673	2	12.8	+	+	-
LA 12587	2680	1.9	15.7	+	+	-
LA 12587	2697	2	31.4	+	+	6* bones
LA 12587	2698	0.5	7.0	+	+	-
LA 12587	2711	2.2	16.6	+	+	1 u bone
LA 12587	2714	2.2	35.1	+	+	rodent feces, 1 * bone, 1 u bone
LA 12587	2745	1.8	9.0	+	+	-
LA 12587	2831	1.95	101.9	+	+	-
LA 12587	2832	2.15	84.9	+	+	-
LA 12587	2876	1.4	32.6	+	+	-
LA 12587	2905	1.8	14.0	+	+	-
LA 12587	2924	2.9	15.7	+	+	-
LA 12587	2932	1.8	12.7	+	+	-
LA 12587	2962	2.2	24.5	+	+	-
LA 12587	2989	2	24.6	+	+	-
LA 12587	2994	2	27.9	+	+	rodent feces, 1 u bone
LA 12587	3000	2.6	42.4	+	+	-
LA 12587	3049	2.6	15.2	+	+	-
LA 12587	3081	2.8	33.0	+	+	-
LA 12587	3256	2	23.5	+	+	2 u bones
LA 12587	3273	1.9	18.0	+	+	-
LA 12587	3274	2.5	21.9	+	+	-
LA 12587	3275	2.1	32.2	+	+	-
LA 12587	3276	1.6	29.3	+	+	-
LA 12587	3277	1.9	51.0	+	+	-
LA 12587	3278	1.65	13.4	+	+	-
LA 12587	3279	1.8	13.7	+	+	-
LA 12587	3280	1.4	11.9	+	+	-
LA 12587	3281	2	16.5	+	+	-
LA 12587	3282	2	9.6	+	+	-
LA 12587	3299	1.5	5.4	+	+	-
LA 12587	3308	1	13.7	+	+	-
LA 12587	3309	1.7	15.7	+	+	2 u bones
LA 12587	3319	1.9	18.2	+	+	rodent feces
LA 12587	3320	1.9	19.1	+	+	rodent feces, 1 u bone
LA 12587	3321	2.2	31.0	+	+	rodent feces
LA 12587	3322	0.9	5.1	+	+	-
LA 12587	3323	2	20.1	+	+	-

Site	FS	Volume (liters)	Weight (grams)	Roots	Insects	Other
LA 12587	3324	2	14.5	+	+	-
LA 12587	3368	2	18.0	+	+	-
LA 12587	3471	0.5	0.7	-	+	-
LA 12587	3472	0.3	0.6	-	+	-
LA 12587	3496	1.4	3.8	+	+	-
LA 12587	3497	2	24.7	+	+	-
LA 12587	3500	1.15	14.8	+	+	-
LA 12587	3501	1.65	17.6	+	+	-
LA 12587	3544	1.9	14.4	+	+	-
LA 12587	3557	1.5	5.8	+	+	-
LA 12587	3558	1.8	11.2	+	+	-
LA 12587	3560	2.2	8.1	+	+	-
LA 12587	3709	1.8	17.9	+	+	-
LA 12587	3730	1.7	9.0	+	+	-
LA 12587	3761	2	35.4	+	+	-
LA 12587	3796	1.8	32.8	+	+	-
LA 12587	3873	1.6	32.0	+	+	-
LA 12587	3888	2.5	24.0	+	+	-
LA 12587	3983	1.2	7.7	+	+	-
LA 12587	3984	2	15.9	+	+	-
LA 12587	3985	2.2	15.6	+	+	-
LA 12587	3990	1.4	9.8	+	+	-
LA 12587	3991	0.5	0.9	+	+	-
LA 12587	4000	1.8	13.0	+	+	-
LA 12587	4010	2	16.8	+	+	-
LA 12587	4023	2.9	28.8	+	+	rodent feces
LA 12587	4036	2.6	38.8	+	+	rodent feces
LA 12587	4037	2.6	26.1	+	+	-
LA 12587	4049	1.45	14.0	+	+	-
LA 12587	4074	2.2	17.9	+	+	1 u bone
LA 12587	4075	2.45	20.1	+	+	-
LA 12587	4079	2	24.6	+	+	-
LA 12587	4098	1.7	1.1	+	+	-
LA 12587	4102	0.3	4.7	+	+	-
LA 12587	4114	1.4	9.2	+	+	2 * bones, 1 u bone
LA 12587	4131	1.65	18.6	+	+	-
LA 12587	4132	1.55	28.3	+	+	-
LA 12587	4138	0.75	7.4	+	+	-
LA 12587	4139	1	4.3	+	+	-
LA 12587	4197	0.25	1.3	+	+	-
LA 12587	4198	0.3	4.0	+	+	-
LA 12587	4211	0.45	2.8	+	+	-
LA 12587	4245	1	2.8	+	+	-

Site	FS	Volume (liters)	Weight (grams)	Roots	Insects	Other
LA 12587	5127	3.9	66.2	+	+	1 * bone, 11 u bones
LA 12587, Area 8	8876	2.5	32.7	+	+	-
LA 12587, Area 8	8877	2.6	34.4	+	+	-
LA 12587, Area 8	8888	1.95	36.3	+	+	-
LA 86637	270	2.6	218.4	+	+	-
LA 86637	271	2.95	324.8	+	+	-
LA 86637	272	1.8	95.9	+	+	-
LA 86637	273	2.5	204.9	+	+	-
LA 127625	67	4	168.9	+	+	-
LA 127625	68	3.25	103.7	+	+	rodent feces
LA 127631	15	2.6	166.0	+	+	-
LA 127631	17	2.5	46.1	+	+	-
LA 127631	28	2.9	46.2	+	+	-
LA 127631	29	2.8	49.6	+	+	-
LA 127631	32	3.7	123.2	+	+	-
LA 127631	42	3.25	35.9	+	+	-
LA 127631	51	3.5	38.1	+	+	-
LA 127631	53	2.9	49.4	+	+	-
LA 127631	55	3.4	71.5	+	+	-
LA 128803	9	2.75	27.5	+	+	-
LA 128803	14	2.3	20.1	+	+	-
LA 128803	16	1.75	16.9	+	+	-
LA 128803	18	2.5	21.2	+	+	-
LA 128803	21	2.7	21.8	+	+	-
LA 128803	24	2.9	26.1	+	+	-
LA 128803	25	3.1	28.2	+	+	-
LA 128803	28	2.2	17.2	+	+	-
LA 128803	29	2.55	140.9	+	+	-
LA 128803	30	1.7	35.0	+	+	-
LA 128803	32	2.5	22.2	+	+	-
LA 128803	33	1.8	11.6	+	+	-
LA 128804	213	2	25.6	+	+	-
LA 128804	215	2	21.3	+	+	-
LA 128804	219	2.7	28.7	+	+	-
LA 128804	222	2	38.8	+	+	-
LA 128805	161	2	48.8	+	+	-
LA 128805	162	2.7	51.5	+	+	rodent feces
LA 128805	176	2.4	65.8	+	+	-
LA 128805	185	3.25	111.8	+	+	-
LA 128805	199	3.25	136.8	+	+	-

Site	FS	Volume (liters)	Weight (grams)	Roots	Insects	Other
LA 128805	210	2.5	89.1	+	+	-
LA 128805	211	3.75	156.7	+	+	-
LA 128805	225	2.4	112.0	+	+	-
LA 128805	246	3	137.4	+	+	-
LA 128805	248	2.7	139.3	+	+	-
Airport Tract						
LA 86534	916	1.90	11.4	+	+	-
LA 86534	925	2.40	20.1	+	+	-
LA 86534	1002	2.10	13.8	+	+	-
LA 86534	1170	1.40	12.6	+	+	-
LA 86534	1271	3.00	39.2	+	+	2 * bone
LA 86534	1272	4.50	49.7	+	+	rodent feces, 7 * bones
LA 86534	1273	2.65	42.2	+	+	-
LA 86534	1274	4.95	54.8	+	+	-
LA 86534	1291	3.45	23.6	+	+	-
LA 86534	1321	3.00	27.9	+	+	4 * bone, 1 u bone
LA 86534	1322	3.85	59.9	+	+	1 * bone
LA 86534	1323	3.30	22.6	+	+	rodent feces, 2 * bones
LA 86534	1324	3.00	34.3	+	+	rodent feces, 1 * bone, 1 u bone
LA 86534	1335	2.00	12.1	+	+	-
LA 86534	1353	1.90	27.7	+	+	-
LA 86534	1389	1.50	7.6	+	+	-
LA 86534	1402	3.20	49.7	+	+	1 u bone
LA 86534	1476	2.65	26.4	+	+	rodent feces
LA 86534	1509	3.20	36.1	+	+	-
LA 86534	1511	1.70	7.9	+	+	-
LA 86534	1512	2.75	27.5	+	+	rodent feces, 1 u bone, textile fragment
LA 86534	1578	2.00	7.0	+	+	-
LA 86534	1641	2.70	23.4	+	+	-
LA 86534	1650	3.80	38.9	+	+	rodent feces
LA 86534	1726	0.60	2.9	+	+	-
LA 86534	1752	3.50	13.9	+	+	-
LA 86534	1753	4.00	14.6	+	+	-
LA 86534	1761	3.35	13.3	+	+	2 u bones
LA 86534	1773	4.20	21.8	+	+	-
LA 86534	1777	2.80	14.0	+	+	-
LA 86534	1785	4.70	27.6	+	+	-
LA 86534	1860	2.10	16.3	+	+	rodent feces
LA 86534	1906	1.40	9.9	+	+	-
LA 86534	1966	2.00	7.3	+	+	-
LA 86534	1968	3.40	20.7	+	+	-

Site	FS	Volume (liters)	Weight (grams)	Roots	Insects	Other
LA 86534	1975	3.80	28.7	+	+	13 u bones
LA 86534	1990	2.80	31.1	+	+	-
LA 86534	1992	5.20	105.0	+	+	4 u bones
LA 86534	2142	5.00	75.6	+	+	2 u bones
LA 86534	2172	3.00	19.6	+	+	rodent feces
LA 86534	2176	3.00	89.8	+	+	1 u bone
LA 86534	2199	5.25	72.2	+	+	7 * bones, 6 u bones
LA 86534	2200	6.70	38.6	+	+	5 u bones
LA 86534	2201	3.20	12.6	+	+	-
LA 86534	2202	3.15	10.5	+	+	1 * bone
LA 86534	2203	3.30	9.4	+	+	-
LA 86534	2214	4.00	24.8	+	+	4 * bones
LA 86534	2215	5.30	43.2	+	+	2 * bones
LA 86534	2216	3.60	26.9	+	+	1 * bone
LA 86534	2217	3.80	15.9	+	+	-
LA 86534	2223	3.00	14.7	+	+	1 * bone
LA 86534	2226	1.60	24.6	+	+	17 u bones
LA 86534	2234	5.30	74.2	+	+	5 * bones, 4 u bones
LA 135290	985	2.0	15.8	+	+	-
LA 135290	1067	1.9	11.1	+	+	1 bone
LA 135290	1083	1.9	18.2	+	+	-
LA 135290	1096	2.15	7.2	+	+	-
LA 135290	1098	1.8	10.6	+	+	rodent feces
LA 135290	1131	2.0	9.0	+	+	-
LA 135290	1163	1.8	11.6	+	+	rodent feces
LA 135290	1179	1.95	5.9	+	+	-
LA 135290	1271	2.0	129.9	+	+	-
LA 135290	1277	2.0	9.0	+	+	-
LA 135290	1302	2.0	15.9	+	+	-
LA 135290	1329	1.4	6.5	+	+	-
LA 135290	1417	1.9	38.1	+	+	rodent feces
LA 135290	1430	1.9	14.4	+	+	-
LA 135290	1458	1.9	13.3	+	+	rodent feces
LA 135290	1589	2.1	20.0	+	+	-
LA 135290	1705	1.4	13.2	+	+	rodent feces
LA 135290	1720	2.0	9.6	+	+	-
LA 135290	1758	1.8	25.9	+	+	-
LA 135290	1797	1.9	27.7	+	+	-
LA 135290	1837	2.2	4.0	+	+	-
LA 135290	1851	2.1	3.3	+	+	-
LA 135290	1871	1.5	6.4	+	+	-
LA 135290	1878	2.0	0.2	+	-	-
LA 135290	1890	1.5	5.4	+	+	-

Site	FS	Volume (liters)	Weight (grams)	Roots	Insects	Other
LA 135290	1896	2.0	7.8	+	+	-
LA 135290	1897	2.2	19.8	+	+	rodent feces
LA 135290	1898	2.0	14.7	+	+	-
LA 135290	1999	2.1	8.0	+	+	-
LA 135290	2023	2.0	14.4	+	+	-
LA 135290	2027	2.1	10.1	+	+	rodent feces, some *
LA 135290	2034	2.4	21.7	+	+	rodent feces, 1 * tooth
LA 135290	2057	1.9	20.1	+	+	-
LA 135290	2069	2.2	9.8	+	+	rodent feces
LA 135290	2070	1.8	11.2	+	+	rodent feces
LA 135290	2083	2.0	25.8	+	+	rodent feces
LA 135290	2099	2.0	31.8	+	+	rodent feces
LA 135290	2133	1.7	17.2	+	+	-
LA 135290	2138	1.7	64.3	+	+	rodent feces, 3 u bones
LA 135290	2150	2.0	14.7	+	+	-
LA 135290	2188	1.0	0.7	+	+	-
LA 135290	2219	1.4	4.6	+	+	-
LA 135290	2232	2.0	9.9	+	+	-
LA 135290	2253	2.3	9.6	+	+	rodent feces
LA 135290	2254	2.8	17.5	+	+	rodent feces
LA 135290	2255	2.5	30.0	+	+	rodent feces, 1 u bone
LA 135290	2256	2.5	15.4	+	+	rodent feces
LA 135290	2257	2.8	16.1	+	+	rodent feces
LA 135290	2258	2.7	17.1	+	+	-
LA 135290	2299	2.3	28.7	+	+	-
LA 135290	2315	2.0	23.8	+	+	-
LA 135290	2326	2.0	21.4	+	+	rodent feces
LA 135290	2330	2.25	18.5	+	+	rodent feces
LA 135290	2331	2.0	13.7	+	+	rodent feces
LA 135290	2332	1.2	7.8	+	+	rodent feces
LA 135290	2350	2.5	17.9	+	+	-
LA 135290	2376	.20	1.8	+	+	rodent feces
LA 135290	2378	.50	4.2	+	+	rodent feces
LA 135290	2420	1.7	11.9	+	+	-
LA 135290	2471	1.9	8.7	+	+	-
LA 135290	2472	1.8	10.7	+	+	-
LA 135290	2473	1.9	21.5	+	+	-
LA 135290	2474	3.0	16.4	+	+	1 * bone
LA 135290	2475	3.0	25.0	+	+	-
LA 135290	2477	1.5	10.7	+	+	-
LA 135290	2488	3.0	20.1	+	+	-
LA 135290	2489	2.5	13.0	+	+	-

Site	FS	Volume (liters)	Weight (grams)	Roots	Insects	Other
LA 135290	2490	2.7	19.1	+	+	-
LA 135290	2491	2.0	9.2	+	+	-
LA 135290	2492	2.6	22.0	+	+	-
LA 135290	2496	1.3	3.1	+	+	rodent feces
LA 135290	2526	1.9	4.9	+	+	-
LA 135290	2528	2.8	23.2	+	+	-
LA 135290	2549	2.7	18.5	+	+	rodent feces
LA 135290	2556	2.2	4.1	+	+	-
LA 135290	2561	2.2	3.3	+	+	2 * bones
LA 135290	2563	2.2	23.2	+	+	rodent feces
LA 135290	2564	2.1	7.6	+	+	-
LA 135290	2584	1.9	1.9	+	-	-
LA 139418	318	1.75	10.5	+	+	-
LA 139418	341	1.75	11.8	+	+	-
LA 139418	363	2.0	0.7	+	-	-
LA 139418	364	1.7	3.8	+	-	-
LA 139418	365	1.6	2.6	+	-	-
LA 139418	367	1.75	14.5	+	+	-
LA 141505	22	2.2	32.8	+	+	rodent feces
LA 141505	74	1.8	19.9	+	+	-
LA 141505	82	2.0	17.2	+	+	-
Rendija Tract						
LA 15116	31	2	104.6	+	+	-
LA 15116	59	2	99.1	+	+	-
LA 15116	60	2	128.5	+	+	-
LA 70025	21	2	15.7	+	+	-
LA 70025	24	2	14.6	+	+	-
LA 70025	43	1.75	14.7	+	+	-
LA 85403	18	3	23.1	+	+	-
LA 85403	23	2.25	9.6	+	+	-
LA 85403	24	2	8	+	+	-
LA 85403	27	2.75	13.7	+	+	-
LA 85403	49	2.25	14	+	+	-
LA 85403	53	3	25	+	+	-
LA 85404	68	1.9	21.4	+	+	-
LA 85404	72	1.75	27.9	+	+	-
LA 85404	93	1.5	20.6	+	+	-
LA 85404	94	1.75	12.2	-	+	-
LA 85404	106	1.25	12.8	+	+	-
LA 85407	269	2.0	58.6	+	+	rodent feces
LA 85407	298	2.0	65.7	+	+	rodent feces
LA 85407	301	2.0	52.6	+	+	rodent feces*
LA 85407	331	2.0	77.7	+	+	rodent feces

Site	FS	Volume (liters)	Weight (grams)	Roots	Insects	Other
LA 85407	352	2.0	93.7	+	+	rodent feces
LA 85407	357	2.0	3.9	+	+	-
LA 85407	408	2.0	37.3	+	+	-
LA 85407	499	2.0	55.8	+	+	rodent feces
LA 85408	41	2.0	65.7	+	+	-
LA 85408	42	2.0	186.6	+	+	-
LA 85408	57	2.5	103	+	+	-
LA 85411	76	2.0	13.3	+	+	-
LA 85411	77	2.0	22.8	-	+	-
LA 85411	78	2.0	11	-	+	-
LA 85411	111	1.75	21.2	-	+	-
LA 85411	112	1.75	12	+	+	-
LA 85411	118	1.75	19.8	-	+	-
LA 85411	136	1.5	8.7	+	+	-
LA 85411	137	2.0	40.2	+	+	-
LA 85411	138	1.25	13	-	+	-
LA 85411	178	1.8	21.3	+	+	-
LA 85413	149	2.0	44.7	+	+	-
LA 85413	224	2.0	20.7	+	+	-
LA 85414	57	2.0	38.8	+	+	-
LA 85414	58	2.0	48.1	+	+	-
LA 85417	71	2.0	5.3	+	+	-
LA 85417	72	2.0	2.5	+	+	-
LA 85417	114	2.0	26	+	+	-
LA 85417	141	2.0	24.1	+	+	-
LA 85417	142	2.0	38.3	+	+	-
LA 85859	108	2.0	26.9	+	+	-
LA 85859	123	1.75	81.6	+	+	-
LA 85859	136	1.5	118.4	+	-	-
LA 85859	143	2.0	64.4	+	-	-
LA 85859	308	2.0	37.1	+	+	-
LA 85859	310	2.0	121.6	+	+	-
LA 85859	311	1.5	70.7	+	+	-
LA 85859	312	2.0	56.1	+	-	-
LA 85859	313	2.0	63.7	+	+	-
LA 85859	314	2.0	25.8	+	+	-
LA 85859	315	1.25	63.6	+	+	-
LA 85859	346	2.0	8.1	+	-	-
LA 85859	348	2.3	43.9	+	+	-
LA 85859	349	2.1	86.8	+	-	-
LA 85859	350	2.0	58.6	+	-	-
LA 85859	351	1.75	73.5	+	-	-
LA 85859	352	1.65	88.5	+	-	-

Site	FS	Volume (liters)	Weight (grams)	Roots	Insects	Other
LA 85859	353	1.75	39.7	+	+	-
LA 85859	354	2.0	99.5	+	-	-
LA 85859	355	1.75	41.4	+	+	-
LA 85861	191	2.0	62.6	-	+	-
LA 85861	192	2.0	43.4	+	+	-
LA 85861	193	2.0	129.8	+	+	-
LA 85861	194	2.0	33.8	+	+	-
LA 85864	4	2.5	42.3	+	+	-
LA 85864	5	2.2	44.2	+	+	-
LA 85864	6	1.25	17.1	+	+	-
LA 85864	10	2.4	114.6	+	+	-
LA 85864	14	2.2	24.2	+	+	-
LA 85867	78	2.5	7.9	+	+	-
LA 85867	79	2.5	10.3	+	+	-
LA 85869	272	1.0	25.6	+	+	-
LA 85869	283	2.0	22.6	+	+	-
LA 85869	288	1.8	40.8	+	+	-
LA 85869	295	1.0	10.8	+	+	-
LA 85869	296	2.8	58.7	+	+	-
LA 85869	297	3.0	60.3	+	+	rodent feces
LA 85869	318	1.2	25.4	+	+	-
LA 86605	77	2	11.7	+	+	-
LA 86605	94	2	7.3	+	+	-
LA 86605	107	1.5	50.6	+	+	-
LA 86606	85	2.0	14.7	+	+	-
LA 86606	91	2.0	18	+	+	-
LA 86606	92	2.0	19.7	+	+	-
LA 86607	9	2.0	7.3	+	+	-
LA 87403	26	1.75	12	+	+	-
LA 87403	122	1.75	14.6	+	+	-
LA 87403	138	1.75	6.3	+	+	-
LA 87403	139	2	9.3	+	+	-
LA 87403	143	1.75	18.7	+	+	-
LA 87403	170	2	15.3	+	+	-
LA 87403	171	2	16.7	+	+	-
LA 87403	172	1.75	27.4	+	+	+
LA 87403	173	1.25	8.8	+	+	-
LA 87403	175	1.75	6.9	+	+	+
LA 87403	176	1.75	12.5	+	+	-
LA 87403	177	2	15	+	+	-
LA 99396	438	1.6	12.3	+	+	-
LA 99396	493	1.9	29.0	+	+	-
LA 99396	608	2.5	42.9	+	+	-

Site	FS	Volume (liters)	Weight (grams)	Roots	Insects	Other
LA 99396	712	2.2	15.1	+	+	-
LA 99396	753	1.6	2.5	+	+	-
LA 99396	758	1.6	3.7	+	+	-
LA 99397	301	1.1	15.1	+	+	rodent feces
LA 99397	302	1.4	17.3	+	+	-
LA 99397	313	1.5	16.0	+	+	-
LA 99397	314	1.3	29.6	+	+	-
LA 99397	315	1.8	13.2	+	+	-
LA 99397	316	1.2	0.6	+	+	-
LA 99397	331	1.5	7.4	+	+	-
LA 127627	9	1	15.9	+	+	-
LA 127627	31	2	18.8	+	+	-
LA 127627	52	1.75	30.5	+	+	-
LA 127633	4	3	183.6	+	+	-
LA 127633	6	2	66.4	+	+	-
LA 127633	10	2	32.7	+	+	-
LA 127633	14	2	88.3	+	+	-
LA 127634	39	1.8	148.8	+	+	-
LA 127634	84	1.75	106.3	+	+	-
LA 127634	105	2	29.1	+	+	-
LA 127634	106	2	37.3	+	+	-
LA 127634	107	2	46.8	+	+	-
LA 127634	108	2	35.8	+	+	-
LA 127634	109	2.1	43.9	+	+	-
LA 127634	110	2	27.8	+	+	-
LA 127634	111	1.5	13.6	+	+	-
LA 127634	112	2	21.4	+	+	-
LA 127634	117	2	38.7	+	+	-
LA 127634	120	2	41.8	+	+	-
LA 127634	121	3	44.3	+	+	-
LA 127634	122	2	47	+	+	-
LA 127635	45	2.75	62.8	+	+	-
LA 127635	53	1.75	62.1	+	+	-
LA 127635	105	3.25	48.2	+	+	-
LA 127635	116	2	46.8	+	+	-
LA 127635	123	1.75	16.7	+	+	-
LA 127635	124	1.5	11.6	+	+	-
LA 127635	125	2	23.9	+	+	+
LA 127635	126	1.6	11.1	+	+	-
LA 127635	135	1.75	25.6	+	+	-
LA 127635	141	2	27.9	+	+	-
LA 135291	30	2	26.2	+	+	+
LA 135291	32	2	21.5	+	+	+

Site	FS	Volume (liters)	Weight (grams)	Roots	Insects	Other
LA 135291	58	3.0	32.9	+	+	rodent feces
LA 135291	59	2.75	24.7	+	+	rodent feces
LA 135291	61	2.75	9.7	+	+	-
LA 135291	69	1.25	10.0	+	+	-
LA 135292	77	1.75	3.3	+	+	-
LA 135292	83	2	5.4	+	+	-
LA 135292	87	2	3.5	+	+	-
Testing TA-74						
LA 21596B	13	1.1	17.1	+	+	-
LA 21596B	14	1.3	12.3	+	+	-
LA 21596B	23	1.5	11.6	+	+	-
LA 21596B	28	1.5	10.9	+	+	-
LA 21596B	31	1.8	15.7	+	+	rodent feces
LA 21596B	32	2.0	15.2	+	+	rodent feces
LA 21596C	16	2.0	7.6	+	+	-
LA 21596C	17	1.9	13.4	+	+	-
LA 21596C	21	2.0	195.9	+	+	rodent feces
LA 21596C	22	1.4	22.8	+	+	-
LA 21596C	25	2.0	52.5	+	+	-
LA 21596C	26	1.7	23.3	+	+	-
LA 86528	7	1.1	4.9	+	+	-
LA 86531	1	2.4	24.9	+	+	-
LA 86531	6	2.2	36.5	+	+	-
LA 110126	13	2.0	11.0	+	+	-
LA 110126	14	2.1	9.4	+	+	rodent feces
LA 110130	11	1.5	4.4	+	+	-
LA 110130	13	1.4	3.2	+	+	-
LA 110130	15	1.6	4.7	+	+	-
LA 110130	17	1.8	5.2	+	+	-
LA 110130	26	1.3	10.9	+	+	-
White Rock Y						
LA 61034	28	1.5	1.7	+	+	-
LA 61034	29	0.7	2.0	+	+	-
LA 61035	56	2.4	17.2	+	+	-
LA 61035	58	2.2	21.6	+	+	-

APPENDIX T
C&T FLOTATION RESULTS

Table T.1. C&T flotation results.

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	632	*Artemisia tridentata*	Big sagebrush	Leaf	Positive	Uncharred	0	0	1-10/liter
12587	632	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	632	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	632	*Helianthus*	Sunflower	Achene	Positive	Uncharred	0	0	1-10/liter
12587	632	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	632	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	632	*Pinus*	Pine	Female cone	Positive	Uncharred	0	0	1-10/liter
12587	632	*Pinus*	Pine	Male cone	Positive	Uncharred	0	0	1-10/liter
12587	632	*Pinus*	Pine	Needle spindle gall	Positive	Uncharred	0	0	1-10/liter
12587	632	*Pinus*	Pine	Twig	Positive	Uncharred	0	0	1-10/liter
12587	632	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	11-25/liter
12587	632	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	632	*PlatyOpuntia*	Prickly pear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	632	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	632	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter
12587	632	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	2(0)	0	N/A
12587	632	*Zea mays*	Maize	Cupule	Positive	Charred	1(1)	0	N/A
12587	632	*Zea mays*	Maize	Embryo	Positive	Charred	2(1)	0	N/A
12587	632	*Zea mays*	Maize	Kernel	Positive	Charred	10(10)	0	N/A
12587	641	*Amaranthus*	Pigweed	Seed	Positive	Uncharred	0	0	1-10/liter
12587	641	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	641	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	641	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	641	*Pinus*	Pine	Male cone	Positive	Uncharred	0	0	1-10/liter
12587	641	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	641	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	641	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	641	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter
12587	641	*Zea mays*	Maize	Cupule	Positive	Charred	2(0)	0	N/A
12587	641	*Zea mays*	Maize	Kernel	Fairly certain	Charred	1(0)	0	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	656	*Artemisia tridentata*	Big sagebrush	Leaf	Positive	Uncharred	0	0	1-10/liter
12587	656	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	656	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	656	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
12587	656	*Juniperus*	Juniper	Seed	Positive	Charred	1(0)	0	N/A
12587	656	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	656	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	656	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	656	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	656	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	656	*Zea mays*	Maize	Kernel	Fairly certain	Charred	4(0)	0	N/A
12587	695	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	695	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	695	*Juniperus*	Juniper	Female cone	Positive	Uncharred	0	0	1-10/liter
12587	695	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	695	*Pinus*	Pine	Male cone	Positive	Uncharred	0	0	1-10/liter
12587	695	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
12587	695	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
12587	695	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	695	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	695	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter
12587	695	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
12587	695	*Zea mays*	Maize	Cupule	Positive	Charred	2(1)	0	N/A
12587	695	*Zea mays*	Maize	Kernel	Positive	Charred	2(0)	0	N/A
12587	708	*Artemisia tridentata*	Big sagebrush	Leaf	Positive	Uncharred	0	0	1-10/liter
12587	708	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	708	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	708	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	708	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	708	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	708	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter
12587	708	*Zea mays*	Maize	Cupule	Positive	Charred	1(0)	0	N/A
12587	708	*Zea mays*	Maize	Kernel	Fairly certain	Charred	1(0)	0	N/A
12587	758	*Atriplex/*	Saltbush/	Wood	Positive	Charred	1	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
		Sarcobatus	greasewood						
12587	758	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	758	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	758	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
12587	758	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	758	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	758	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
12587	758	*Zea mays*	Maize	Cupule	Positive	Charred	2(0)	0	N/A
12587	758	*Zea mays*	Maize	Kernel	Resembles taxon	Charred	2(0)	0	N/A
12587	881	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	881	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	881	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	1(1)	0	N/A
12587	881	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	881	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
12587	881	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
12587	881	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
12587	881	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	881	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	881	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	881	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
12587	881	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter
12587	881	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
12587	881	*Zea mays*	Maize	Cupule	Positive	Charred	2(0)	0	N/A
12587	881	*Zea mays*	Maize	Kernel	Resembles taxon	Charred	1(0)	0	N/A
12587	956	*Chenopodium*	Goosefoot	Seed	Positive	Charred	2(2)	0	N/A
12587	956	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	956	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	956	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	956	*Juniperus*	Juniper	Wood	Positive	Charred	10	0.1	N/A
12587	956	*Pinus*	Pine	Wood	Positive	Charred	3	<0.1	N/A
12587	956	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	956	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	956	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	956	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1	N/A
12587	956	*Zea mays*	Maize	Embryo	Positive	Charred	7(2)	0	N/A
12587	956	*Zea mays*	Maize	Kernel	Positive	Charred	17(1)	0	N/A
12587	957	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	957	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	957	*Chrysothamnus*	Rabbitbrush	Wood	Fairly certain	Charred	4	<0.1	N/A
12587	957	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	957	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	0.1	N/A
12587	957	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	957	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	957	*Juniperus*	Juniper	Wood	Positive	Charred	7	0.1	N/A
12587	957	*Oenothera*	Evening primrose	Seed	Positive	Uncharred	0	0	1-10/liter
12587	957	*Physalis*	Groundcherry	Seed	Positive	Charred	1(1)	0	N/A
12587	957	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	957	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	957	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
12587	957	*PlatyOpuntia*	Prickly pear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
12587	957	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	957	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter
12587	957	*Zea mays*	Maize	Cupule	Positive	Charred	8(1)	0	N/A
12587	957	*Zea mays*	Maize	Embryo	Positive	Part. Charred	5(1)	0	N/A
12587	957	*Zea mays*	Maize	Kernel	Positive	Charred	25(2)	0	N/A
12587	1000	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	<0.1	N/A
12587	1000	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	2	<0.1	N/A
12587	1000	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	1	<0.1	N/A
12587	1000	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1000	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1000	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	<0.1	N/A
12587	1000	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1000	*Juniperus*	Juniper	Wood	Positive	Charred	2	<0.1	N/A
12587	1000	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	1000	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	1000	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	1000	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	6	<0.1	N/A
12587	1000	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
12587	1000	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1000	*Zea mays*	Maize	Cupule	Positive	Charred	10(0)	0	N/A
12587	1000	*Zea mays*	Maize	Cupule segment	Positive	Charred	1(1)	0	N/A
12587	1000	*Zea mays*	Maize	Embryo	Positive	Part. Charred	2(0)	0	N/A
12587	1000	*Zea mays*	Maize	Kernel	Positive	Charred	13(1)	0	N/A
12587	1064	*Atriplex/ Sarcobatus*	Saltbush/greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	1064	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
12587	1064	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1064	*Cucurbita*	Squash/ coyote gourd	Rind	Resembles taxon	Charred	0	0	1-10/liter
12587	1064	*Foresteria*	Desert olive	Wood	Positive	Charred	1	<0.1	N/A
12587	1064	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
12587	1064	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1064	*Juniperus*	Juniper	Wood	Positive	Charred	3	0.1	N/A
12587	1064	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	1064	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
12587	1064	*Portulaca*	Purslane	Seed	Positive	Charred	2(2)	0	N/A
12587	1064	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1064	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
12587	1064	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1064	*Zea mays*	Maize	Cupule	Positive	Charred	2(1)	0	N/A
12587	1064	*Zea mays*	Maize	Kernel	Positive	Charred	1(0)	0	N/A
12587	1092	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	<0.1	N/A
12587	1092	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	1092	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
12587	1092	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1092	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1092	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
12587	1092	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1092	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	1092	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	1092	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	1092	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	1092	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1092	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1092	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
12587	1092	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	1(0)	0	N/A
12587	1092	*Zea mays*	Maize	Cupule	Positive	Charred	3(0)	0	N/A
12587	1092	*Zea mays*	Maize	Kernel	Fairly certain	Charred	5(0)	0	N/A
12587	1200	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	<0.1	N/A
12587	1200	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	2	<0.1	N/A
12587	1200	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1200	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1200	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	<0.1	N/A
12587	1200	*Juniperus*	Juniper	Wood	Positive	Charred	4	<0.1	N/A
12587	1200	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	1	<0.1	N/A
12587	1200	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
12587	1200	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1200	Rosaceae	Rose family	Wood	Positive	Charred	1	<0.1	N/A
12587	1200	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1	N/A
12587	1200	*Zea mays*	Maize	Cupule	Positive	Charred	6(0)	0	N/A
12587	1200	*Zea mays*	Maize	Embryo	Positive	Part. Charred	2(0)	0	N/A
12587	1200	*Zea mays*	Maize	Kernel	Positive	Charred	8(0)	0	N/A
12587	1280	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1280	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1280	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
12587	1280	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1280	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	1280	*Pinus*	Pine	Needle spindle gall	Positive	Uncharred	0	0	1-10/liter
12587	1280	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
12587	1280	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	11-25/liter
12587	1280	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	1280	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1280	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	1(0)	0	N/A
12587	1485	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	<0.1	N/A
12587	1485	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	2	<0.1	N/A
12587	1485	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	1(1)	0	N/A
12587	1485	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1485	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	0.1	N/A
12587	1485	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	1485	*Juniperus*	Juniper	Wood	Positive	Charred	8	0.1	N/A
12587	1485	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	1485	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	1485	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	0.1	N/A
12587	1485	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
12587	1485	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	<0.1	N/A
12587	1485	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1485	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	<0.1	N/A
12587	1485	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1485	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1485	*Zea mays*	Maize	Cupule	Positive	Charred	10(0)	0	N/A
12587	1485	*Zea mays*	Maize	Kernel	Positive	Charred	5(3)	0	N/A
12587	1493	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	1493	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1493	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1493	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
12587	1493	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1493	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	1493	*Juniperus*	Juniper	Wood	Positive	Charred	6	0.1	N/A
12587	1493	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
12587	1493	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
12587	1493	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	1493	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	1493	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1493	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1493	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	1493	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
12587	1493	*Zea mays*	Maize	Cupule	Positive	Charred	2(0)	0	N/A
12587	1493	*Zea mays*	Maize	Embryo	Positive	Charred	1(0)	0	N/A
12587	1579	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1579	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1579	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	<0.1	N/A
12587	1579	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1579	*Juniperus*	Juniper	Wood	Positive	Charred	4	<0.1	N/A
12587	1579	*Physalis*	Groundcherry	Seed	Positive	Charred	1(1)	0	N/A
12587	1579	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	1579	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	1579	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
12587	1579	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1579	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1579	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
12587	1579	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	1(0)	0	N/A
12587	1579	*Zea mays*	Maize	Cupule	Positive	Charred	4(0)	0	N/A
12587	1579	*Zea mays*	Maize	Kernel	Fairly certain	Charred	6(0)	0	N/A
12587	1593	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	<0.1	N/A
12587	1593	*Atriplex/ Sarcobatus*	Saltbush/greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	1593	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1593	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1593	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
12587	1593	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	1593	*Juniperus*	Juniper	Wood	Positive	Charred	2	<0.1	N/A
12587	1593	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
12587	1593	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1593	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1593	*Zea mays*	Maize	Cupule	Positive	Charred	8(2)	0	N/A
12587	1699	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	<0.1	N/A
12587	1699	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
12587	1699	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1699	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	1(0)	0	N/A
12587	1699	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	1699	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
12587	1699	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1699	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	1699	*Juniperus*	Juniper	Wood	Positive	Charred	4	<0.1	N/A
12587	1699	*Pinus*	Pine	Male cone	Positive	Uncharred	0	0	1-10/liter
12587	1699	*Pinus*	Pine	Wood	Positive	Charred	2	<0.1	N/A
12587	1699	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	1699	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	1699	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1699	*Zea mays*	Maize	Cupule	Positive	Charred	4(0)	0	N/A
12587	1726	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	2	<0.1	N/A
12587	1726	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1726	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	1(1)	0	N/A
12587	1726	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1726	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	<0.1	N/A
12587	1726	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	1726	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
12587	1726	*Physalis*	Groundcherry	Seed	Positive	Charred	1(1)	0	N/A
12587	1726	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
12587	1726	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	1726	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	1726	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N/A
12587	1726	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	2	<0.1	N/A
12587	1726	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1726	*Zea mays*	Maize	Cupule	Positive	Charred	6(1)	0	N/A
12587	1886	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	1886	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
12587	1886	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1886	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1886	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
12587	1886	*Juniperus*	Juniper	Wood	Positive	Charred	7	0.1	N/A
12587	1886	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
12587	1886	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	<0.1	N/A
12587	1886	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	1886	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
12587	1886	*Zea mays*	Maize	Cupule	Positive	Charred	2(0)	0	N/A
12587	1891	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	1891	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
12587	1891	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1891	*Juniperus*	Juniper	Wood	Positive	Charred	9	0.2	N/A
12587	1891	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	1891	*Pinus edulis*	Piñon	Wood	Positive	Charred	8	0.1	N/A
12587	1891	*Zea mays*	Maize	Cupule	Positive	Charred	7(2)	0	N/A
12587	1891	*Zea mays*	Maize	Kernel	Resembles taxon	Charred	2(0)	0	N/A
12587	1917	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	<0.1	N/A
12587	1917	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	2	<0.1	N/A
12587	1917	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
12587	1917	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1917	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1917	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
12587	1917	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	1917	*Juniperus*	Juniper	Wood	Positive	Charred	4	<0.1	N/A
12587	1917	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	1917	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	1917	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
12587	1917	*Zea mays*	Maize	Cupule	Positive	Charred	8(2)	0	N/A
12587	2040	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	2040	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2040	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2040	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2040	*Juniperus*	Juniper	Wood	Positive	Charred	5	0.1	N/A
12587	2040	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	2040	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	2040	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	<0.1	N/A
12587	2040	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
12587	2040	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2040	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	2	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	2040	*Zea mays*	Maize	Cupule	Positive	Charred	4(0)	0	N/A
12587	2080	*Amaranthus*	Pigweed	Seed	Positive	Charred	1(1)	0	N/A
12587	2080	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	<0.1	N/A
12587	2080	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	2	<0.1	N/A
12587	2080	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
12587	2080	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2080	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2080	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	<0.1	N/A
12587	2080	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	2080	*Juniperus*	Juniper	Wood	Positive	Charred	2	0.1	N/A
12587	2080	*Pinus*	Pine	Cone scale	Positive	Charred	1(0)	0	N/A
12587	2080	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	2080	*Pinus edulis*	Piñon	Wood	Fairly certain	Charred	3	<0.1	N/A
12587	2080	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	5	0.1	N/A
12587	2080	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2080	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	3	<0.1	N/A
12587	2080	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Charred	1(1)	0	N/A
12587	2080	*Zea mays*	Maize	Cupule	Positive	Charred	16(2)	0	N/A
12587	2080	*Zea mays*	Maize	Embryo	Positive	Charred	4(0)	0	N/A
12587	2080	Zea mays	Maize	Kernel	Fairly certain	Charred	14(0)	0	N/A
12587	2107	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	3	<0.1	N/A
12587	2107	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
12587	2107	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2107	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2107	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	<0.1	N/A
12587	2107	*Juniperus*	Juniper	Wood	Positive	Charred	8	0.1	N/A
12587	2107	*Pinus*	Pine	Wood	Positive	Charred	2	0.1	N/A
12587	2107	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	2107	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N/A
12587	2107	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
12587	2107	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	2	<0.1	N/A
12587	2107	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	2107	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1	N/A
12587	2107	*Zea mays*	Maize	Cupule	Positive	Charred	36(13)	0	N/A
12587	2107	*Zea mays*	Maize	Embryo	Positive	Charred	17(10)	0	N/A
12587	2107	*Zea mays*	Maize	Kernel	Positive	Charred	475(124)	0	N/A
12587	2248	*Artemisia*	Sagebrush	Wood	Positive	Charred	2	<0.1	N/A
12587	2248	*Atriplex canescens*	Four-wing saltbush	Fruit	Positive	Charred	1(0)	0	N/A
12587	2248	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	2248	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2248	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2248	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	2248	*Juniperus*	Juniper	Wood	Positive	Charred	6	<0.1	N/A
12587	2248	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
12587	2248	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
12587	2248	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	2248	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
12587	2248	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	2	<0.1	N/A
12587	2248	*Zea mays*	Maize	Cupule	Positive	Charred	14(2)	0	N/A
12587	2397	*Amaranthus*	Pigweed	Seed	Positive	Charred	2(2)	0	N/A
12587	2397	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2397	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	1(1)	0	N/A
12587	2397	*Juniperus*	Juniper	Wood	Positive	Charred	4	<0.1	N/A
12587	2397	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
12587	2397	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	2397	*Portulaca*	Purslane	Seed	Positive	Charred	1(1)	0	N/A
12587	2397	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Charred	3(3)	0	N/A
12587	2397	*Zea mays*	Maize	Cupule	Positive	Charred	3(0)	0	N/A
12587	2551	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(0)	0	N/A
12587	2551	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2551	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2551	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	0.1	N/A
12587	2551	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2551	*Juniperus*	Juniper	Wood	Positive	Charred	6	0.1	N/A
12587	2551	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	2551	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	2551	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly	Charred	3	0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
					certain				
12587	2551	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2551	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2551	*Quercus*	Oak	Wood	Positive	Charred	2	<0.1	N/A
12587	2551	Rosaceae	Rose family	Wood	Positive	Charred	1	<0.1	N/A
12587	2551	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Charred	2(2)	0	N/A
12587	2551	*Zea mays*	Maize	Cupule	Fairly certain	Part. Charred	2(0)	0	N/A
12587	2551	*Zea mays*	Maize	Cupule	Positive	Charred	24(2)	0	N/A
12587	2551	*Zea mays*	Maize	Cupule segment	Positive	Charred	7(7)	0	N/A
12587	2551	*Zea mays*	Maize	Embryo	Positive	Part. Charred	15(7)	0	N/A
12587	2551	*Zea mays*	Maize	Kernel	Positive	Charred	115(18)	0	N/A
12587	2555	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	2	<0.1	N/A
12587	2555	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2555	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2555	*Foresteria*	Desert olive	Wood	Positive	Charred	5	0.2	N/A
12587	2555	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	0.1	N/A
12587	2555	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2555	*Juniperus*	Juniper	Wood	Positive	Charred	4	0.1	N/A
12587	2555	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	2555	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2555	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	5	0.1	N/A
12587	2555	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2555	*Rhus*	Sumac	Wood	Fairly certain	Charred	1	<0.1	N/A
12587	2555	*Zea mays*	Maize	Cob	Positive	Charred	2(0)	0	N/A
12587	2555	*Zea mays*	Maize	Cupule	Positive	Charred	138(128)	0	N/A
12587	2555	*Zea mays*	Maize	Cupule segment	Positive	Charred	34(34)	0	N/A
12587	2555	*Zea mays*	Maize	Embryo	Positive	Charred	30(26)	0	N/A
12587	2555	*Zea mays*	Maize	Kernel	Positive	Charred	938(350)	0	N/A
12587	2564	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	2	<0.1	N/A
12587	2564	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	2564	*Gymnospermae*	Unknown conifer	Wood	Positive	Charred	4	<0.1	N/A
12587	2564	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	2564	*Juniperus*	Juniper	Wood	Positive	Charred	9	0.2	N/A
12587	2564	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
12587	2564	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	2564	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	2564	*Pinus edulis*	Piñon	Wood	Fairly certain	Charred	1	<0.1	N/A
12587	2564	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	2	0.1	N/A
12587	2564	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	<0.1	N/A
12587	2564	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2564	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2564	*Zea mays*	Maize	Cupule	Positive	Charred	7(1)	0	N/A
12587	2564	*Zea mays*	Maize	Kernel	Positive	Part. Charred	2(0)	0	N/A
12587	2571	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	2571	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2571	*Juniperus*	Juniper	Wood	Positive	Charred	8	0.1	N/A
12587	2571	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	2571	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	<0.1	N/A
12587	2571	*Populus/Salix*	Cottonwood/ willow	Wood	Positive	Charred	1	<0.1	N/A
12587	2571	Unknown # 1	Unknown # 1	Unknown	Positive	Charred	1(0)	0	N/A
12587	2571	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1	N/A
12587	2571	*Zea mays*	Maize	Cupule	Positive	Charred	11(0)	0	N/A
12587	2592	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	1	<0.1	N/A
12587	2592	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2592	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	3(3)	0	N/A
12587	2592	*Descurainia/ Sisymbrium*	Mustard	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2592	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2592	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	0.1	N/A
12587	2592	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2592	*Juniperus*	Juniper	Wood	Positive	Charred	4	0.1	N/A
12587	2592	*Oryzopsis hymenoides*	Ricegrass	Caryopsis	Positive	Charred	1(1)	0	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	2592	*Oryzopsis hymenoides*	Ricegrass	Wood	Positive	Charred	4	0.3	N/A
12587	2592	*Pinus*	Pine	Wood	Positive	Charred	4	0.3	N/A
12587	2592	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	2592	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2592	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	3	0.1	N/A
12587	2592	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2592	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
12587	2592	Unknown # 3	Unknown # 3	Unknown	Positive	Charred	1(0)	0	N/A
12587	2592	*Zea mays*	Maize	Cupule	Positive	Charred	40(25)	0	N/A
12587	2592	*Zea mays*	Maize	Cupule segment	Positive	Charred	9(9)	0	N/A
12587	2592	*Zea mays*	Maize	Embryo	Positive	Charred	5(2)	0	N/A
12587	2592	*Zea mays*	Maize	Kernel	Positive	Charred	179(83)	0	N/A
12587	2630	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	<0.1	N/A
12587	2630	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	2630	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
12587	2630	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2630	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2630	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	<0.1	N/A
12587	2630	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2630	*Juniperus*	Juniper	Wood	Positive	Charred	7	0.1	N/A
12587	2630	*Nicotiana*	Tobacco	Seed	Positive	Charred	1(1)	0	N/A
12587	2630	*Pinus*	Pine	Wood	Positive	Charred	3	<0.1	N/A
12587	2630	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	2630	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N/A
12587	2630	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	2	<0.1	N/A
12587	2630	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
12587	2630	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2630	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
12587	2630	*Zea mays*	Maize	Cupule	Positive	Charred	7(3)	0	N/A
12587	2632	*Atriplex canescens*	Four-wing saltbush	Fruit	Positive	Charred	1(0)	0	N/A
12587	2632	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2632	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2632	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
12587	2632	*Juniperus*	Juniper	Wood	Positive	Charred	13	0.2	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	2632	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
12587	2632	*Pinus*	Pine	Wood	Positive	Charred	5	<0.1	N/A
12587	2632	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
12587	2632	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	2632	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N/A
12587	2632	*PlatyOpuntia*	Pricklypear cactus	Seed	Fairly certain	Charred	1(0)	0	N/A
12587	2632	*Portulaca*	Purslane	Seed	Fairly certain	Charred	1(1)	0	N/A
12587	2632	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2632	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2632	Unidentifiable	Unidentifiable	Seed	Positive	Charred	1(1)	0	N/A
12587	2632	*Zea mays*	Maize	Cupule	Positive	Charred	14(2)	0	N/A
12587	2632	*Zea mays*	Maize	Kernel	Positive	Charred	5(0)	0	N/A
12587	2635	*Corispermum*	Bugseed	Seed	Positive	Charred	1(1)	0	N/A
12587	2635	Gramineae	Grass family	Caryopsis	Positive	Charred	2(2)	0	N/A
12587	2635	*Juniperus*	Juniper	Wood	Positive	Charred	11	0.3	N/A
12587	2635	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
12587	2635	*Pinus edulis*	Piñon	Wood	Positive	Charred	5	0.2	N/A
12587	2635	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	3	0.1	N/A
12587	2635	*Portulaca*	Purslane	Seed	Positive	Charred	4(4)	0	N/A
12587	2635	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2635	Unidentifiable	Unidentifiable	Seed	Positive	Charred	1(1)	0	N/A
12587	2635	*Zea mays*	Maize	Cupule	Positive	Charred	1(1)	0	N/A
12587	2635	*Zea mays*	Maize	Cupule segment	Positive	Charred	1(1)	0	N/A
12587	2644	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	2644	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
12587	2644	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2644	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	2(2)	0	N/A
12587	2644	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2644	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	0.1	N/A
12587	2644	*Juniperus*	Juniper	Wood	Positive	Charred	4	<0.1	N/A
12587	2644	Labiatae	Mint family	Seed	Positive	Part.	1(1)	0	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
						Charred			
12587	2644	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	4	<0.1	N/A
12587	2644	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2644	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	10	0.3	N/A
12587	2644	*Portulaca*	Purslane	Seed	Positive	Charred	2(2)	0	N/A
12587	2644	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2644	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2644	*Sporobolus*	Dropseed grass	Caryopsis	Fairly certain	Charred	1(1)	0	N/A
12587	2644	*Zea mays*	Maize	Cupule	Positive	Charred	18(1)	0	N/A
12587	2644	*Zea mays*	Maize	Embryo	Positive	Charred	3(3)	0	N/A
12587	2644	*Zea mays*	Maize	Embryo	Positive	Part. Charred	1(1)	0	N/A
12587	2644	*Zea mays*	Maize	Kernel	Positive	Charred	182(42)	0	N/A
12587	2645	*Amaranthus*	Pigweed	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2645	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	2645	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2645	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2645	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	<0.1	N/A
12587	2645	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2645	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
12587	2645	*Pinus*	Pine	Wood	Positive	Charred	6	<0.1	N/A
12587	2645	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
12587	2645	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2645	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	2	0.1	N/A
12587	2645	*Portulaca*	Purslane	Seed	Positive	Charred	1(1)	0	N/A
12587	2645	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2645	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Charred	2(2)	0	N/A
12587	2645	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1	N/A
12587	2645	*Zea mays*	Maize	Cupule	Positive	Charred	4(0)	0	N/A
12587	2645	*Zea mays*	Maize	Embryo	Positive	Charred	3(0)	0	N/A
12587	2645	*Zea mays*	Maize	Kernel	Positive	Charred	82(10)	0	N/A
12587	2646	*Artemisia*	Sagebrush	Wood	Fairly certain	Charred	1	<0.1	N/A
12587	2646	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	2646	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2646	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Part. Charred	1(1)	0	N/A
12587	2646	*Echinocereus*	Hedgehog cactus	Seed	Positive	Charred	1(1)	0	N/A
12587	2646	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2646	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	0.1	N/A
12587	2646	*Juniperus*	Juniper	Wood	Positive	Charred	3	<0.1	N/A
12587	2646	Labiatae	Mint family	Seed	Positive	Charred	1(1)	0	N/A
12587	2646	*Physalis*	Groundcherry	Seed	Positive	Charred	1(1)	0	N/A
12587	2646	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N/A
12587	2646	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	0.1	N/A
12587	2646	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2646	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	<0.1	N/A
12587	2646	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2646	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Charred	4(4)	0	N/A
12587	2646	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1	N/A
12587	2646	*Zea mays*	Maize	Cupule	Positive	Charred	9(4)	0	N/A
12587	2646	*Zea mays*	Maize	Embryo	Positive	Charred	5(2)	0	N/A
12587	2646	*Zea mays*	Maize	Embryo	Positive	Part. Charred	1(0)	0	N/A
12587	2646	*Zea mays*	Maize	Kernel	Positive	Charred	24(0)	0	N/A
12587	2666	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2666	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2666	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
12587	2666	*Juniperus*	Juniper	Wood	Positive	Charred	5	0.1	N/A
12587	2666	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N/A
12587	2666	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2666	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2666	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Charred	4(4)	0	N/A
12587	2666	*Zea mays*	Maize	Cupule	Positive	Charred	7(1)	0	N/A
12587	2666	*Zea mays*	Maize	Cupule segment	Positive	Charred	1(1)	0	N/A
12587	2666	*Zea mays*	Maize	Kernel	Positive	Charred	16(2)	0	N/A
12587	2667	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	<0.1	N/A
12587	2667	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2667	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2667	*Juniperus*	Juniper	Wood	Positive	Charred	7	0.2	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	2667	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
12587	2667	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	2667	*Pinus edulis*	Piñon	Wood	Positive	Charred	10	0.3	N/A
12587	2667	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	2	<0.1	N/A
12587	2667	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2667	*Portulaca*	Purslane	Seed	Positive	Charred	2(2)	0	N/A
12587	2667	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2667	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Charred	1(1)	0	N/A
12587	2667	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
12587	2667	*Zea mays*	Maize	Cupule	Positive	Charred	8(2)	0	N/A
12587	2667	*Zea mays*	Maize	Embryo	Positive	Part. Charred	2(0)	0	N/A
12587	2667	*Zea mays*	Maize	Kernel	Positive	Charred	25(4)	0	N/A
12587	2668	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	2668	*Chenopodium*	Goosefoot	Seed	Positive	Charred	2(2)	0	N/A
12587	2668	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2668	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2668	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2668	*Juniperus*	Juniper	Wood	Positive	Charred	6	0.1	N/A
12587	2668	*Pinus*	Pine	Wood	Positive	Charred	2	<0.1	N/A
12587	2668	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	2668	*Pinus edulis*	Piñon	Wood	Positive	Charred	10	0.3	N/A
12587	2668	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2668	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2668	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
12587	2668	*Zea mays*	Maize	Cupule	Positive	Charred	4(0)	0	N/A
12587	2668	*Zea mays*	Maize	Embryo	Positive	Charred	1(1)	0	N/A
12587	2668	*Zea mays*	Maize	Embryo	Positive	Part. Charred	2(0)	0	N/A
12587	2668	*Zea mays*	Maize	Glume	Positive	Charred	1(1)	0	N/A
12587	2668	*Zea mays*	Maize	Kernel	Positive	Charred	22(4)	0	N/A
12587	2673	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2673	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2673	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	2673	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	2680	*Amaranthus*	Pigweed	Seed	Positive	Charred	1(1)	0	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	2680	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(0)	0	N/A
12587	2680	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2680	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2680	*Foresteria*	Desert olive	Wood	Positive	Charred	1	<0.1	N/A
12587	2680	*Juniperus*	Juniper	Wood	Positive	Charred	8	0.1	N/A
12587	2680	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N/A
12587	2680	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
12587	2680	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	2	<0.1	N/A
12587	2680	*Zea mays*	Maize	Cupule	Positive	Charred	6(2)	0	N/A
12587	2697	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2697	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	1(1)	0	N/A
12587	2697	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2697	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2697	*Juniperus*	Juniper	Wood	Positive	Charred	10	0.3	N/A
12587	2697	Labiatae	Mint family	Seed	Positive	Charred	1(1)	0	N/A
12587	2697	*Pinus*	Pine	Wood	Positive	Charred	3	0.1	N/A
12587	2697	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	2697	*Pinus edulis*	Piñon	Wood	Positive	Charred	6	0.3	N/A
12587	2697	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2697	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2697	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
12587	2697	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
12587	2697	Unidentifiable	Unidentifiable	Unknown	Positive	Part. Charred	1(0)	0	N/A
12587	2697	*Zea mays*	Maize	Cupule	Positive	Charred	20(5)	0	N/A
12587	2697	*Zea mays*	Maize	Embryo	Positive	Charred	1(1)	0	N/A
12587	2697	*Zea mays*	Maize	Kernel	Positive	Charred	35(7)	0	N/A
12587	2697	*Zea mays*	Maize	Kernel	Positive	Part. Charred	1(1)	0	N/A
12587	2698	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	<0.1	N/A
12587	2698	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	2698	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2698	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2698	*Foresteria*	Desert olive	Wood	Positive	Charred	1	<0.1	N/A
12587	2698	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	2698	*Juniperus*	Juniper	Wood	Positive	Charred	2	<0.1	N/A
12587	2698	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	2698	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	<0.1	N/A
12587	2698	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	1	<0.1	N/A
12587	2698	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2698	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2698	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
12587	2698	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1	N/A
12587	2698	*Zea mays*	Maize	Cupule	Positive	Charred	4(0)	0	N/A
12587	2698	*Zea mays*	Maize	Kernel	Positive	Charred	12(2)	0	N/A
12587	2711	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Fairly certain	Charred	1	<0.1	N/A
12587	2711	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
12587	2711	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2711	*Echinocereus*	Hedgehog cactus	Seed	Positive	Charred	1(1)	0	N/A
12587	2711	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2711	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
12587	2711	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
12587	2711	*Physalis*	Groundcherry	Seed	Positive	Charred	1(1)	0	N/A
12587	2711	*Pinus*	Pine	Wood	Positive	Charred	1	0.1	N/A
12587	2711	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N/A
12587	2711	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
12587	2711	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2711	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Charred	10(10)	0	N/A
12587	2711	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
12587	2711	*Zea mays*	Maize	Cupule	Positive	Charred	10(2)	0	N/A
12587	2711	*Zea mays*	Maize	Embryo	Positive	Charred	1(0)	0	N/A
12587	2711	*Zea mays*	Maize	Embryo	Positive	Part. Charred	1(0)	0	N/A
12587	2711	*Zea mays*	Maize	Glume	Positive	Charred	17(17)	0	N/A
12587	2711	*Zea mays*	Maize	Kernel	Positive	Charred	17(0)	0	N/A
12587	2714	*Amaranthus*	Pigweed	Seed	Positive	Charred	1(1)	0	N/A
12587	2714	*Amaranthus*	Pigweed	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2714	*Artemisia*	Sagebrush	Wood	Positive	Charred	2	<0.1	N/A
12587	2714	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	2714	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2714	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2714	Gymnospermae	Unknown conifer	Wood	Positive	Charred	8	0.1	N/A
12587	2714	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2714	*Juniperus*	Juniper	Wood	Positive	Charred	4	<0.1	N/A
12587	2714	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	2714	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	4	0.2	N/A
12587	2714	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2714	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	<0.1	N/A
12587	2714	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2714	*Zea mays*	Maize	Cupule	Positive	Charred	15(6)	0	N/A
12587	2714	*Zea mays*	Maize	Cupule segment	Positive	Charred	1(1)	0	N/A
12587	2714	*Zea mays*	Maize	Glume	Positive	Charred	1(1)	0	N/A
12587	2714	*Zea mays*	Maize	Kernel	Positive	Charred	57(13)	0	N/A
12587	2745	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	<0.1	N/A
12587	2745	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	2745	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2745	*Juniperus*	Juniper	Wood	Positive	Charred	5	<0.1	N/A
12587	2745	*Zea mays*	Maize	Cupule	Positive	Charred	1(1)	0	N/A
12587	2831	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	6	0.2	N/A
12587	2831	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2831	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	1(1)	0	N/A
12587	2831	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2831	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
12587	2831	*Juniperus*	Juniper	Wood	Fairly certain	Charred	1	0.1	N/A
12587	2831	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	2831	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	<0.1	N/A
12587	2831	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	8	2.9	N/A
12587	2831	*Quercus*	Oak	Wood	Positive	Charred	1	0.1	N/A
12587	2831	Rosaceae	Rose family	Wood	Positive	Charred	1	<0.1	N/A
12587	2831	*Zea mays*	Maize	Cob	Positive	Charred	5(4)	0	N/A
12587	2831	*Zea mays*	Maize	Cupule	Positive	Charred	77(59)	0	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	2831	*Zea mays*	Maize	Cupule segment	Positive	Charred	17(17)	0	N/A
12587	2831	*Zea mays*	Maize	Embryo	Positive	Charred	30(25)	0	N/A
12587	2831	*Zea mays*	Maize	Kernel	Positive	Charred	388(242)	0	N/A
12587	2832	*Amaranthus*	Pigweed	Seed	Positive	Charred	1(1)	0	N/A
12587	2832	*Artemisia*	Sagebrush	Wood	Positive	Charred	2	0.1	N/A
12587	2832	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	2832	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2832	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	<0.1	N/A
12587	2832	*Juniperus*	Juniper	Wood	Positive	Charred	5	1.0	N/A
12587	2832	*Oryzopsis hymenoides*	Ricegrass	Caryopsis	Fairly certain	Charred	1(1)	0	N/A
12587	2832	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
12587	2832	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	2832	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	7	0.2	N/A
12587	2832	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2832	*Quercus*	Oak	Wood	Fairly certain	Charred	1	<0.1	N/A
12587	2832	*Zea mays*	Maize	Cob	Positive	Charred	2(0)	0	N/A
12587	2832	*Zea mays*	Maize	Cupule	Positive	Charred	39(33)	0	N/A
12587	2832	*Zea mays*	Maize	Cupule segment	Positive	Charred	13(13)	0	N/A
12587	2832	*Zea mays*	Maize	Embryo	Positive	Charred	20(12)	0	N/A
12587	2832	*Zea mays*	Maize	Kernel	Positive	Charred	626(356)	0	N/A
12587	2876	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	2876	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2876	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2876	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
12587	2876	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2876	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	2876	*Juniperus*	Juniper	Wood	Positive	Charred	5	<0.1	N/A
12587	2876	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
12587	2876	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	2876	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	2876	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	12	0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	2876	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2876	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
12587	2876	*Zea mays*	Maize	Cupule	Positive	Charred	3(3)	0	N/A
12587	2905	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	2905	*Zea mays*	Maize	Cupule	Positive	Charred	2(0)	0	N/A
12587	2924	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	2	<0.1	N/A
12587	2924	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2924	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
12587	2924	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	2924	*Zea mays*	Maize	Cupule	Positive	Charred	2(0)	0	N/A
12587	2932	*Atriplex canescens*	Four-wing saltbush	Fruit	Positive	Charred	1(1)	0	N/A
12587	2932	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2932	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	1(1)	0	N/A
12587	2932	*Juniperus*	Juniper	Wood	Positive	Charred	12	0.1	N/A
12587	2932	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	2932	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
12587	2932	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	<0.1	N/A
12587	2932	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2932	*Zea mays*	Maize	Cupule	Positive	Charred	10(3)	0	N/A
12587	2932	*Zea mays*	Maize	Kernel	Fairly certain	Charred	2(0)	0	N/A
12587	2962	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	2	<0.1	N/A
12587	2962	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
12587	2962	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2962	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Fairly certain	Charred	1(0)	0	N/A
12587	2962	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Part. Charred	1(1)	0	N/A
12587	2962	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2962	Gramineae	Grass family	Culm	Positive	Charred	0	0	1-10/liter
12587	2962	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2962	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	2962	*Juniperus*	Juniper	Wood	Positive	Charred	7	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	2962	*Physalis*	Groundcherry	Seed	Positive	Charred	1(1)	0	N/A
12587	2962	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
12587	2962	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	2962	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N/A
12587	2962	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2962	*Zea mays*	Maize	Cupule	Positive	Charred	14(1)	0	N/A
12587	2962	*Zea mays*	Maize	Kernel	Resembles taxon	Charred	1(0)	0	N/A
12587	2989	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	2989	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
12587	2989	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2989	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2989	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	0.1	N/A
12587	2989	*Juniperus*	Juniper	Wood	Positive	Charred	9	0.3	N/A
12587	2989	*Pinus*	Pine	Wood	Positive	Charred	2	<0.1	N/A
12587	2989	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
12587	2989	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	2	0.1	N/A
12587	2989	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	<0.1	N/A
12587	2989	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2989	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2989	*Zea mays*	Maize	Cupule	Positive	Charred	11(2)	0	N/A
12587	2989	*Zea mays*	Maize	Embryo	Positive	Part. Charred	1(1)	0	N/A
12587	2989	*Zea mays*	Maize	Kernel	Positive	Charred	55(20)	0	N/A
12587	2989	*Zea mays*	Maize	Kernel	Positive	Part. Charred	3(1)	0	N/A
12587	2994	Amaranthus	Pigweed	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2994	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	<0.1	N/A
12587	2994	Chenopodium	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2994	Chenopodium/ Amaranthus	Cheno-am	Seed	Positive	Charred	1(1)	0	N/A
12587	2994	Corispermum	Bugseed	Seed	Fairly certain	Charred	1(1)	0	N/A
12587	2994	Euphorbia	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2994	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	0.1	N/A
12587	2994	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	2994	*Juniperus*	Juniper	Wood	Positive	Charred	12	0.1	N/A
12587	2994	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	2994	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	1	<0.1	N/A
12587	2994	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
12587	2994	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2994	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter
12587	2994	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1	N/A
12587	2994	*Zea mays*	Maize	Cupule	Positive	Charred	11(3)	0	N/A
12587	2994	*Zea mays*	Maize	Kernel	Positive	Charred	40(7)	0	N/A
12587	3000	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	3000	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3000	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3000	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3000	*Juniperus*	Juniper	Wood	Positive	Charred	3	<0.1	N/A
12587	3000	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3000	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	<0.1	N/A
12587	3000	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3000	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3000	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	2	0.1	N/A
12587	3000	*Zea mays*	Maize	Cupule	Positive	Charred	7(1)	0	N/A
12587	3000	*Zea mays*	Maize	Kernel	Fairly certain	Charred	1(0)	0	N/A
12587	3049	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3049	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3049	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	3049	*Juniperus*	Juniper	Wood	Positive	Charred	3	<0.1	N/A
12587	3049	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3049	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N/A
12587	3049	*Zea mays*	Maize	Cupule	Positive	Charred	1(0)	0	N/A
12587	3081	*Amaranthus*	Pigweed	Seed	Positive	Charred	5(5)	0	N/A
12587	3081	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	<0.1	N/A
12587	3081	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	4	0.5	N/A
12587	3081	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
12587	3081	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	3081	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	9(7)	0	N/A
12587	3081	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Part. Charred	4(4)	0	N/A
12587	3081	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3081	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	0.1	N/A
12587	3081	*Juniperus*	Juniper	Wood	Positive	Charred	11	0.6	N/A
12587	3081	Monocotyledonae	Monocot	Stem	Fairly certain	Charred	0	0	1-10/liter
12587	3081	*Physalis*	Groundcherry	Seed	Positive	Charred	1(0)	0	N/A
12587	3081	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
12587	3081	*Pinus edulis*	Piñon	Nutshell	Fairly certain	Charred	0	0	1-10/liter
12587	3081	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	0.1	N/A
12587	3081	*Portulaca*	Purslane	Seed	Positive	Charred	3(3)	0	N/A
12587	3081	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3081	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
12587	3081	*Zea mays*	Maize	Cupule	Positive	Charred	32(7)	0	N/A
12587	3081	*Zea mays*	Maize	Cupule segment	Positive	Charred	2(2)	0	N/A
12587	3081	*Zea mays*	Maize	Kernel	Positive	Charred	16(6)	0	N/A
12587	3256	*Amaranthus*	Pigweed	Seed	Positive	Charred	2(2)	0	N/A
12587	3256	*Artemisia*	Sagebrush	Wood	Positive	Charred	2	<0.1	N/A
12587	3256	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	3256	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3256	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	<0.1	N/A
12587	3256	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	3256	*Juniperus*	Juniper	Wood	Positive	Charred	12	0.2	N/A
12587	3256	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
12587	3256	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3256	*Portulaca*	Purslane	Seed	Positive	Charred	1(1)	0	N/A
12587	3256	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3256	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
12587	3256	*Zea mays*	Maize	Cupule	Positive	Charred	26(6)	0	N/A
12587	3273	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	3273	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
12587	3273	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3273	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	1(1)	0	N/A
12587	3273	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3273	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3273	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	3273	*Nicotiana*	Tobacco	Seed	Positive	Charred	1(1)	0	N/A
12587	3273	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3273	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3273	*Pseudotsuga menziesii*	Douglas fir	Wood	Fairly certain	Charred	18	0.5	N/A
12587	3273	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1	N/A
12587	3273	*Zea mays*	Maize	Cupule	Positive	Charred	7(0)	0	N/A
12587	3273	*Zea mays*	Maize	Kernel	Fairly certain	Charred	1(0)	0	N/A
12587	3274	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	2	<0.1	N/A
12587	3274	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
12587	3274	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	<0.1	N/A
12587	3274	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	3274	*Juniperus*	Juniper	Wood	Positive	Charred	2	<0.1	N/A
12587	3274	*Pinus*	Pine	Wood	Positive	Charred	5	0.2	N/A
12587	3274	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
12587	3274	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3274	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N/A
12587	3274	*Portulaca*	Purslane	Seed	Positive	Charred	1(1)	0	N/A
12587	3274	*Pseudotsuga menziesii*	Douglas fir	Wood	Fairly certain	Charred	4	0.1	N/A
12587	3274	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
12587	3274	*Zea mays*	Maize	Cupule	Positive	Charred	8(0)	0	N/A
12587	3274	*Zea mays*	Maize	Kernel	Positive	Charred	3(0)	0	N/A
12587	3275	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	<0.1	N/A
12587	3275	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3275	*Corispermum*	Bugseed	Seed	Positive	Charred	1(1)	0	N/A
12587	3275	Gramineae	Grass family	Caryopsis	Positive	Charred	1(1)	0	N/A
12587	3275	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	3275	*Juniperus*	Juniper	Wood	Positive	Charred	17	0.4	N/A
12587	3275	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3275	*Portulaca*	Purslane	Seed	Positive	Charred	2(2)	0	N/A
12587	3275	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3275	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
12587	3275	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3275	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Charred	1(1)	0	N/A
12587	3275	*Zea mays*	Maize	Cupule	Positive	Charred	4(1)	0	N/A
12587	3275	*Zea mays*	Maize	Kernel	Fairly certain	Charred	1(0)	0	N/A
12587	3275	*Zea mays*	Maize	Kernel	Positive	Charred	1(0)	0	N/A
12587	3276	*Artemisia*	Sagebrush	Wood	Fairly certain	Charred	1	<0.1	N/A
12587	3276	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3276	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	1(0)	0	N/A
12587	3276	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
12587	3276	*Nicotiana*	Tobacco	Seed	Positive	Charred	1(1)	0	N/A
12587	3276	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
12587	3276	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
12587	3276	*Pseudotsuga menziesii*	Douglas fir	Wood	Fairly certain	Charred	16	0.4	N/A
12587	3276	*Zea mays*	Maize	Cupule	Positive	Charred	7(1)	0	N/A
12587	3277	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	0.1	N/A
12587	3277	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3277	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3277	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
12587	3277	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
12587	3277	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3277	*Populus/Salix*	Cottonwood/ willow	Wood	Positive	Charred	1	<0.1	N/A
12587	3277	*Pseudotsuga menziesii*	Douglas fir	Wood	Fairly certain	Charred	17	0.8	N/A
12587	3277	*Zea mays*	Maize	Cupule	Positive	Charred	3(0)	0	N/A
12587	3278	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	2	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	3278	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3278	*Echinocereus*	Hedgehog cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3278	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3278	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
12587	3278	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3278	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	3278	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
12587	3278	*Pinus*	Pine	Wood	Positive	Charred	2	0.2	N/A
12587	3278	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3278	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	3278	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	0.1	N/A
12587	3278	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3278	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3278	*Pseudotsuga menziesii*	Douglas fir	Wood	Fairly certain	Charred	11	0.6	N/A
12587	3278	*Zea mays*	Maize	Cupule	Positive	Charred	1(0)	0	N/A
12587	3279	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3279	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3279	Gymnospermae	Unknown conifer	Wood	Positive	Charred	7	0.1	N/A
12587	3279	*Nicotiana*	Tobacco	Seed	Positive	Charred	1(1)	0	N/A
12587	3279	*Oenothera*	Evening primrose	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3279	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
12587	3279	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	3279	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	0.3	N/A
12587	3279	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
12587	3279	*Pseudotsuga menziesii*	Douglas fir	Wood	Fairly certain	Charred	10	0.7	N/A
12587	3280	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3280	Gymnospermae	Unknown conifer	Wood	Positive	Charred	9	0.1	N/A
12587	3280	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3280	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3280	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3280	*Pseudotsuga menziesii*	Douglas fir	Wood	Fairly certain	Charred	11	0.5	N/A
12587	3281	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	3281	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	3281	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3281	Gymnospermae	Unknown conifer	Wood	Positive	Charred	8	0.2	N/A
12587	3281	*Phaseolus*	Bean	Cotyledon	Positive	Charred	1(1)	0	N/A
12587	3281	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
12587	3281	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	3281	*Pinus edulis*	Piñon	Wood	Positive	Charred	7	0.5	N/A
12587	3281	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	11-25/liter
12587	3281	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3281	*Pseudotsuga menziesii*	Douglas fir	Wood	Fairly certain	Charred	4	0.6	N/A
12587	3281	*Zea mays*	Maize	Cupule	Positive	Charred	2(1)	0	N/A
12587	3282	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	<0.1	N/A
12587	3282	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3282	*Zea mays*	Maize	Cupule	Positive	Charred	1(1)	0	N/A
12587	3299	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3299	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
12587	3299	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
12587	3299	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3299	*Zea mays*	Maize	Cupule	Positive	Charred	3(0)	0	N/A
12587	3308	*Amaranthus*	Pigweed	Seed	Positive	Charred	1(1)	0	N/A
12587	3308	*Atriplex/ Sarcobatus*	Saltbush/greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	3308	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3308	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	<0.1	N/A
12587	3308	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	3308	*Juniperus*	Juniper	Wood	Positive	Charred	9	0.1	N/A
12587	3308	*Oenothera*	Evening primrose	Seed	Fairly certain	Uncharred	0	0	1-10/liter
12587	3308	*Pinus*	Pine	Wood	Positive	Charred	4	<0.1	N/A
12587	3308	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
12587	3308	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	3308	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3308	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3308	*Pseudotsuga menziesii*	Douglas fir	Wood	Fairly certain	Charred	1	<0.1	N/A
12587	3308	*Quercus*	Oak	Wood	Fairly certain	Charred	1	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	3308	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3308	*Zea mays*	Maize	Cupule	Positive	Charred	18(2)	0	N/A
12587	3308	*Zea mays*	Maize	Kernel	Positive	Charred	3(0)	0	N/A
12587	3309	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3309	Gymnospermae	Unknown conifer	Wood	Positive	Charred	6	<0.1	N/A
12587	3309	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3309	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	3309	*Juniperus*	Juniper	Wood	Positive	Charred	2	<0.1	N/A
12587	3309	*Pinus*	Pine	Needle spindle gall	Positive	Uncharred	0	0	1-10/liter
12587	3309	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3309	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	3309	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3309	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3309	*Zea mays*	Maize	Cupule	Positive	Charred	1(1)	0	N/A
12587	3319	*Amaranthus*	Pigweed	Seed	Positive	Charred	1(1)	0	N/A
12587	3319	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	<0.1	N/A
12587	3319	*Atriplex canescens*	Four-wing saltbush	Fruit	Positive	Charred	1(0)	0	N/A
12587	3319	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	2	<0.1	N/A
12587	3319	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(0)	0	N/A
12587	3319	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3319	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3319	*Foresteria*	Desert olive	Wood	Positive	Charred	1	<0.1	N/A
12587	3319	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	<0.1	N/A
12587	3319	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3319	*Juniperus*	Juniper	Twig	Positive	Charred	0	0	1-10/liter
12587	3319	*Juniperus*	Juniper	Wood	Positive	Charred	4	0.1	N/A
12587	3319	*Pinus*	Pine	Wood	Positive	Charred	7	0.1	N/A
12587	3319	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3319	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3319	*Portulaca*	Purslane	Seed	Positive	Charred	1(1)	0	N/A
12587	3319	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3319	*Pseudotsuga menziesii*	Douglas fir	Wood	Fairly certain	Charred	2	<0.1	N/A
12587	3319	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	3319	*Sporobolus*	Dropseed grass	Caryopsis	Fairly certain	Charred	1(0)	0	N/A
12587	3319	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
12587	3319	*Zea mays*	Maize	Cupule	Positive	Charred	7(0)	0	N/A
12587	3319	*Zea mays*	Maize	Kernel	Positive	Charred	2(0)	0	N/A
12587	3320	*Artemisia*	Sagebrush	Wood	Positive	Charred	2	<0.1	N/A
12587	3320	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	5	0.2	N/A
12587	3320	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3320	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3320	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	<0.1	N/A
12587	3320	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	11-25/liter
12587	3320	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	3320	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
12587	3320	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3320	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	3320	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N/A
12587	3320	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3320	*Populus/Salix*	Cottonwood/ willow	Wood	Positive	Charred	1	<0.1	N/A
12587	3320	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3320	*Pseudotsuga menziesii*	Douglas fir	Wood	Fairly certain	Charred	4	0.1	N/A
12587	3320	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3320	Unidentifiable	Unidentifiable	Embryo	Positive	Charred	1(1)	0	N/A
12587	3320	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	2(0)	0	N/A
12587	3320	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	2	<0.1	N/A
12587	3320	*Zea mays*	Maize	Cupule	Positive	Charred	7(1)	0	N/A
12587	3320	*Zea mays*	Maize	Embryo	Positive	Part. Charred	1(0)	0	N/A
12587	3321	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	<0.1	N/A
12587	3321	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	5	0.1	N/A
12587	3321	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(0)	0	N/A
12587	3321	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3321	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3321	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	3321	*Juniperus*	Juniper	Wood	Positive	Charred	3	0.1	N/A
12587	3321	*Phaseolus*	Bean	Cotyledon	Resembles taxon	Charred	3(0)	0	N/A
12587	3321	*Pinus*	Pine	Wood	Positive	Charred	4	0.2	N/A
12587	3321	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3321	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	3321	*Pinus edulis*	Piñon	Wood	Fairly certain	Charred	1	<0.1	N/A
12587	3321	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3321	*Portulaca*	Purslane	Seed	Positive	Charred	1(1)	0	N/A
12587	3321	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3321	*Pseudotsuga menziesii*	Douglas fir	Wood	Fairly certain	Charred	3	0.1	N/A
12587	3321	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
12587	3321	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3321	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
12587	3321	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	1(0)	0	N/A
12587	3321	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	2	<0.1	N/A
12587	3321	*Zea mays*	Maize	Cupule	Positive	Charred	7(0)	0	N/A
12587	3322	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3322	Gymnospermae	Unknown conifer	Wood	Positive	Charred	7	<0.1	N/A
12587	3322	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3322	*Juniperus*	Juniper	Wood	Positive	Charred	5	<0.1	N/A
12587	3322	*Pinus*	Pine	Wood	Positive	Charred	6	0.2	N/A
12587	3322	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	3322	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	<0.1	N/A
12587	3322	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3322	*Zea mays*	Maize	Cupule	Positive	Charred	5(0)	0	N/A
12587	3323	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3323	*Corispermum*	Bugseed	Seed	Positive	Charred	2(2)	0	N/A
12587	3323	Gymnospermae	Unknown conifer	Wood	Positive	Charred	6	0.2	N/A
12587	3323	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3323	*Juniperus*	Juniper	Wood	Positive	Charred	6	0.1	N/A
12587	3323	*Pinus*	Pine	Wood	Positive	Charred	2	<0.1	N/A
12587	3323	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	3323	*Pinus edulis*	Piñon	Wood	Positive	Charred	6	0.2	N/A
12587	3323	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	3323	*Zea mays*	Maize	Cupule	Positive	Charred	8(0)	0	N/A
12587	3324	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3324	*Gymnospermae*	Unknown conifer	Wood	Positive	Charred	3	<0.1	N/A
12587	3324	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3324	*Physalis*	Groundcherry	Seed	Positive	Charred	1(1)	0	N/A
12587	3324	*Pinus*	Pine	Wood	Positive	Charred	4	<0.1	N/A
12587	3324	*Pinus edulis*	Piñon	Wood	Fairly certain	Charred	5	0.7	N/A
12587	3324	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	8	0.2	N/A
12587	3324	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3324	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3324	*Zea mays*	Maize	Cupule	Positive	Charred	5(0)	0	N/A
12587	3324	*Zea mays*	Maize	Kernel	Positive	Charred	1(1)	0	N/A
12587	3368	*Amaranthus*	Pigweed	Seed	Positive	Charred	1(1)	0	N/A
12587	3368	*Amaranthus*	Pigweed	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3368	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	<0.1	N/A
12587	3368	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	3368	*Chenopodium*	Goosefoot	Seed	Positive	Charred	5(5)	0	N/A
12587	3368	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3368	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	3(3)	0	N/A
12587	3368	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3368	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	0.1	N/A
12587	3368	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3368	*Juniperus*	Juniper	Wood	Positive	Charred	10	0.2	N/A
12587	3368	*Physalis*	Groundcherry	Seed	Positive	Charred	1(1)	0	N/A
12587	3368	*Pinus*	Pine	Wood	Positive	Charred	2	<0.1	N/A
12587	3368	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N/A
12587	3368	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3368	*Rosaceae*	Rose family	Wood	Positive	Charred	1	<0.1	N/A
12587	3368	*Zea mays*	Maize	Cupule	Positive	Charred	13(1)	0	N/A
12587	3368	*Zea mays*	Maize	Cupule segment	Positive	Charred	1(1)	0	N/A
12587	3368	*Zea mays*	Maize	Kernel	Positive	Charred	11(4)	0	N/A
12587	3471	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	3471	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3471	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
12587	3472	no data	No data	No data	No data	No data	0	0	N/A
12587	3496	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Part. Charred	1(1)	0	N/A
12587	3496	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	3496	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3496	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3496	*Zea mays*	Maize	Cupule	Positive	Charred	2(0)	0	N/A
12587	3497	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	2	<0.1	N/A
12587	3497	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
12587	3497	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3497	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3497	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	0.1	N/A
12587	3497	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3497	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	3497	*Juniperus*	Juniper	Wood	Positive	Charred	10	0.2	N/A
12587	3497	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
12587	3497	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3497	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	3497	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N/A
12587	3497	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	2	<0.1	N/A
12587	3497	*Zea mays*	Maize	Cupule	Positive	Charred	17(4)	0	N/A
12587	3500	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	3500	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	1(1)	0	N/A
12587	3500	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
12587	3500	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	3500	*Juniperus*	Juniper	Wood	Positive	Charred	4	<0.1	N/A
12587	3500	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3500	*Pinus edulis*	Piñon	Wood	Positive	Charred	4	0.1	N/A
12587	3500	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3500	Rosaceae	Rose family	Wood	Positive	Charred	3	<0.1	N/A
12587	3500	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1	N/A
12587	3500	*Zea mays*	Maize	Cupule	Positive	Charred	3(0)	0	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	3501	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	3501	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	3501	*Juniperus*	Juniper	Wood	Positive	Charred	7	0.1	N/A
12587	3501	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
12587	3501	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3501	*Pinus edulis*	Piñon	Nutshell	Fairly certain	Charred	0	0	1-10/liter
12587	3501	*Pinus edulis*	Piñon	Wood	Positive	Charred	4	<0.1	N/A
12587	3501	*Populus/Salix*	Cottonwood/willow	Wood	Fairly certain	Charred	1	<0.1	N/A
12587	3501	Rosaceae	Rose family	Wood	Positive	Charred	2	<0.1	N/A
12587	3501	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Charred	1(1)	0	N/A
12587	3501	*Zea mays*	Maize	Cupule	Positive	Charred	5(0)	0	N/A
12587	3501	*Zea mays*	Maize	Kernel	Positive	Charred	1(1)	0	N/A
12587	3544	*Foresteria*	Desert olive	Wood	Positive	Charred	1	0.1	N/A
12587	3544	*Juniperus*	Juniper	Wood	Positive	Charred	4	<0.1	N/A
12587	3544	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3544	*Quercus*	Oak	Wood	Positive	Charred	1	0.1	N/A
12587	3557	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3557	*Euphorbia*	Spurge	Root	Positive	Uncharred	0	0	1-10/liter
12587	3557	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	3557	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3557	*Portulaca*	Purslane	Root	Positive	Uncharred	0	0	1-10/liter
12587	3557	*Zea mays*	Maize	Cupule	Positive	Charred	1(0)	0	N/A
12587	3557	*Zea mays*	Maize	Kernel	Fairly certain	Charred	2(0)	0	N/A
12587	3558	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3558	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3558	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	3558	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
12587	3558	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3558	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3558	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3558	*Zea mays*	Maize	Cupule	Positive	Charred	1(0)	0	N/A
12587	3558	*Zea mays*	Maize	Kernel	Fairly	Charred	1(0)	0	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
					certain				
12587	3560	*Amaranthus*	Pigweed	Seed	Positive	Charred	1(1)	0	N/A
12587	3560	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	<0.1	N/A
12587	3560	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3560	*Juniperus*	Juniper	Wood	Positive	Charred	2	<0.1	N/A
12587	3560	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3560	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3560	*Zea mays*	Maize	Cupule	Positive	Charred	2(0)	0	N/A
12587	3560	*Zea mays*	Maize	Kernel	Positive	Charred	4(0)	0	N/A
12587	3709	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3709	*Gramineae*	Grass family	Caryopsis	Positive	Charred	1(0)	0	N/A
12587	3709	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	3709	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3709	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N/A
12587	3709	*Zea mays*	Maize	Cupule	Fairly certain	Charred	2(0)	0	N/A
12587	3730	*Juniperus*	Juniper	Twig	Positive	Charred	0	0	1-10/liter
12587	3730	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
12587	3730	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
12587	3730	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3761	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3761	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3761	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
12587	3761	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3761	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	11-25/liter
12587	3761	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3761	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3796	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3796	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	3796	*Juniperus*	Juniper	Wood	Positive	Charred	2	<0.1	N/A
12587	3796	*Pinus*	Pine	Twig	Positive	Uncharred	0	0	1-10/liter
12587	3796	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3796	*Zea mays*	Maize	Cupule	Fairly certain	Charred	2(0)	0	N/A
12587	3873	Cactaceae	Cactus family	Areola	Fairly certain	Uncharred	0	0	1-10/liter
12587	3873	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	3873	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3873	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
12587	3873	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	3873	*Juniperus*	Juniper	Wood	Positive	Charred	4	<0.1	N/A
12587	3873	*Pinus*	Pine	Twig	Positive	Uncharred	0	0	1-10/liter
12587	3873	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3873	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	3873	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3873	*Zea mays*	Maize	Cupule	Positive	Charred	4(1)	0	N/A
12587	3888	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3888	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3888	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	3888	*Juniperus*	Juniper	Wood	Positive	Charred	2	<0.1	N/A
12587	3888	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3888	*Zea mays*	Maize	Cupule	Positive	Charred	5(0)	0	N/A
12587	3983	*Amaranthus*	Pigweed	Seed	Positive	Charred	2(1)	0	N/A
12587	3983	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	3983	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3983	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Fairly certain	Charred	1(0)	0	N/A
12587	3983	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3983	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	<0.1	N/A
12587	3983	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3983	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	3983	*Juniperus*	Juniper	Wood	Positive	Charred	3	<0.1	N/A
12587	3983	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3983	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	3983	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
12587	3983	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	2	<0.1	N/A
12587	3983	*Zea mays*	Maize	Cupule	Positive	Charred	3(0)	0	N/A
12587	3984	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	3984	Cactaceae	Cactus family	Areola	Fairly certain	Uncharred	0	0	1-10/liter
12587	3984	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3984	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	3984	Gramineae	Grass family	Culm	Fairly certain	Charred	0	0	1-10/liter
12587	3984	Gymnospermae	Unknown conifer	Wood	Positive	Charred	6	0.3	N/A
12587	3984	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3984	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	3984	*Juniperus*	Juniper	Wood	Positive	Charred	9	0.2	N/A
12587	3984	*Pinus*	Pine	Wood	Positive	Charred	2	<0.1	N/A
12587	3984	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3984	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	3984	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3984	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3984	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3984	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
12587	3984	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3984	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
12587	3984	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1	N/A
12587	3984	*Zea mays*	Maize	Cupule	Positive	Charred	7(0)	0	N/A
12587	3985	*Amaranthus*	Pigweed	Seed	Positive	Charred	1(1)	0	N/A
12587	3985	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	<0.1	N/A
12587	3985	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3985	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3985	*Foresteria*	Desert olive	Wood	Positive	Charred	1	<0.1	N/A
12587	3985	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
12587	3985	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3985	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	3985	*Juniperus*	Juniper	Wood	Positive	Charred	6	<0.1	N/A
12587	3985	*Physalis*	Groundcherry	Seed	Positive	Charred	1(1)	0	N/A
12587	3985	*Pinus*	Pine	Wood	Positive	Charred	4	0.1	N/A
12587	3985	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3985	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	3985	*Pinus edulis*	Piñon	Wood	Positive	Charred	5	<0.1	N/A
12587	3985	*PlatyOpuntia*	Pricklypear cactus	Embryo	Fairly certain	Part. Charred	1(0)	0	N/A
12587	3985	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Charred	1(0)	0	N/A
12587	3985	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	11-25/liter
12587	3985	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3985	*Zea mays*	Maize	Cupule	Positive	Charred	3(0)	0	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	3990	*Amaranthus*	Pigweed	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3990	*Artemisia*	Sagebrush	Wood	Fairly certain	Charred	2	<0.1	N/A
12587	3990	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	3990	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
12587	3990	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3990	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3990	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
12587	3990	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3990	*Juniperus*	Juniper	Wood	Positive	Charred	3	<0.1	N/A
12587	3990	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	3990	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N/A
12587	3990	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	1	<0.1	N/A
12587	3990	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
12587	3990	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3990	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	<0.1	N/A
12587	3990	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3990	*Zea mays*	Maize	Cupule	Positive	Charred	3(0)	0	N/A
12587	3991	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3991	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	3991	*Foresteria*	Desert olive	Wood	Positive	Charred	1	<0.1	N/A
12587	3991	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	3991	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
12587	4000	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
12587	4000	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	4000	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
12587	4000	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	4000	*Zea mays*	Maize	Cupule	Fairly certain	Charred	2(0)	0	N/A
12587	4010	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4010	Gymnospermae	Unknown conifer	Wood	Positive	Charred	6	0.1	N/A
12587	4010	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	4010	*Juniperus*	Juniper	Wood	Positive	Charred	6	0.1	N/A
12587	4010	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	4010	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	4010	*Quercus*	Oak	Wood	Positive	Charred	2	<0.1	N/A
12587	4010	Rosaceae	Rose family	Wood	Positive	Charred	1	<0.1	N/A
12587	4010	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4010	*Zea mays*	Maize	Cupule	Positive	Charred	11(0)	0	N/A
12587	4023	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	4023	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4023	Compositae	Sunflower family	Achene	Positive	Part. Charred	1(1)	0	N/A
12587	4023	*Corispermum*	Bugseed	Seed	Fairly certain	Charred	2(0)	0	N/A
12587	4023	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4023	Gramineae	Grass family	Caryopsis	Positive	Charred	1(1)	0	N/A
12587	4023	*Helianthus*	Sunflower	Achene	Positive	Charred	2(2)	0	N/A
12587	4023	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	4023	*Juniperus*	Juniper	Wood	Positive	Charred	8	0.1	N/A
12587	4023	Labiatae	Mint family	Seed	Positive	Part. Charred	1(1)	0	N/A
12587	4023	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
12587	4023	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
12587	4023	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	4023	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4023	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4023	Unknown # 1	Unknown # 1	Embryo	Positive	Charred	1(1)	0	N/A
12587	4023	*Zea mays*	Maize	Cupule	Positive	Charred	5(0)	0	N/A
12587	4023	*Zea mays*	Maize	Kernel	Positive	Charred	5(0)	0	N/A
12587	4036	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4036	*Elaeagnus angustifolia*	Russian olive	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4036	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4036	*Juniperus*	Juniper	Female cone	Positive	Uncharred	0	0	1-10/liter
12587	4036	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4036	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	11-25/liter
12587	4036	*Pinus*	Pine	Male cone	Positive	Uncharred	0	0	1-10/liter
12587	4036	*Pinus*	Pine	Needle spindle gall	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	4036	*Pinus*	Pine	Twig	Positive	Uncharred	0	0	1-10/liter
12587	4036	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
12587	4036	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	11-25/liter
12587	4037	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4037	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	4037	*Pinus*	Pine	Male cone	Positive	Uncharred	0	0	1-10/liter
12587	4037	*Pinus*	Pine	Needle spindle gall	Positive	Uncharred	0	0	1-10/liter
12587	4037	*Pinus*	Pine	Twig	Positive	Uncharred	0	0	1-10/liter
12587	4037	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	4037	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
12587	4037	*Zea mays*	Maize	Cupule	Positive	Charred	2(0)	0	N/A
12587	4049	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	1(1)	0	N/A
12587	4049	*Cleome*	Beeweed	Seed	Resembles taxon	Part. Charred	1(0)	0	N/A
12587	4049	*Corispermum*	Bugseed	Seed	Positive	Charred	3(3)	0	N/A
12587	4049	*Corispermum*	Bugseed	Seed	Positive	Part. Charred	1(1)	0	N/A
12587	4049	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4049	Gramineae	Grass family	Caryopsis	Positive	Charred	7(7)	0	N/A
12587	4049	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	4049	*Juniperus*	Juniper	Wood	Positive	Charred	3	<0.1	N/A
12587	4049	*Pinus*	Pine	Wood	Positive	Charred	5	0.1	N/A
12587	4049	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	4049	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	1	<0.1	N/A
12587	4049	*Portulaca*	Purslane	Seed	Positive	Charred	2(2)	0	N/A
12587	4049	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4049	*Zea mays*	Maize	Cupule	Positive	Charred	3(0)	0	N/A
12587	4074	*Amaranthus*	Pigweed	Seed	Positive	Charred	1(1)	0	N/A
12587	4074	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	<0.1	N/A
12587	4074	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	4074	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4074	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	4074	*Foresteria*	Desert olive	Wood	Positive	Charred	1	<0.1	N/A
12587	4074	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
12587	4074	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4074	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	4074	*Juniperus*	Juniper	Wood	Positive	Charred	12	0.2	N/A
12587	4074	*Physalis*	Groundcherry	Seed	Positive	Charred	1(1)	0	N/A
12587	4074	*Pinus*	Pine	Twig	Positive	Uncharred	0	0	1-10/liter
12587	4074	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
12587	4074	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	4074	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	4074	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4074	*Populus/Salix*	Cottonwood/ willow	Wood	Positive	Charred	1	<0.1	N/A
12587	4074	*Portulaca*	Purslane	Seed	Positive	Charred	1(1)	0	N/A
12587	4074	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4074	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
12587	4074	*Solanum rostratum*	Buffalo burr	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4074	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
12587	4074	*Zea mays*	Maize	Cupule	Positive	Charred	11(2)	0	N/A
12587	4075	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	2	<0.1	N/A
12587	4075	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4075	*Cucurbita*	Squash/coyote gourd	Rind	Fairly certain	Charred	0	0	1-10/liter
12587	4075	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4075	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	<0.1	N/A
12587	4075	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4075	*Juniperus*	Juniper	Wood	Positive	Charred	7	<0.1	N/A
12587	4075	*Pinus*	Pine	Wood	Positive	Charred	3	<0.1	N/A
12587	4075	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	4075	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4075	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4075	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
12587	4075	*Zea mays*	Maize	Cupule	Positive	Charred	10(0)	0	N/A
12587	4075	*Zea mays*	Maize	Kernel	Fairly certain	Charred	2(0)	0	N/A
12587	4079	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	4079	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	4079	*Juniperus*	Juniper	Wood	Positive	Charred	2	<0.1	N/A
12587	4098	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	4098	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
12587	4102	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	4102	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(0)	0	N/A
12587	4102	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4102	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
12587	4102	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	4102	*Juniperus*	Juniper	Wood	Positive	Charred	8	0.1	N/A
12587	4102	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	<0.1	N/A
12587	4102	*Quercus*	Oak	Wood	Positive	Charred	2	<0.1	N/A
12587	4102	*Zea mays*	Maize	Cupule	Positive	Charred	2(1)	0	N/A
12587	4114	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
12587	4114	*Chenopodium berlandieri*	Pitseed goosefoot	Seed	Uncharred	Positive			1-10/liter
12587	4114	*Portulaca*	Purslane	Seed	Uncharred	Positive			1-10/liter
12587	4114	*Solanum rostratum*	Buffalo burr	Seed	Uncharred	Positive			1-10/liter
12587	4114	*Juniperus*	Juniper	Twig	Uncharred	Positive			1-10/liter
12587	4114	*Pinus edulis*	Piñon	Needle	Uncharred	Positive			1-10/liter
12587	4114	*Artemisia*	Sagebrush	Wood	Charred	Fairly certain	1	<0.1	N/A
12587	4114	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Charred	Positive	1	<0.1	N/A
12587	4114	*Quercus*	Oak	Wood	Charred	Positive	1	<0.1	N/A
12587	4114	*Zea mays*	Maize	Cupule	Charred	Positive	11(3)		N/A
12587	4114	*Pinus edulis*	Piñon	Wood	Charred	Positive	2	<0.1	N/A
12587	4114	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Charred	Positive	2(2)		N/A
12587	4114	Gymnospermae	Unknown conifer	Wood	Charred	Positive	3	<0.1	N/A
12587	4114	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Fairly certain	3	<0.1	N/A
12587	4114	*Juniperus*	Juniper	Wood	Charred	Positive	5	<0.1	N/A
12587	4131	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4131	*Juniperus*	Juniper	Female cone	Positive	Uncharred	0	0	1-10/liter
12587	4131	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	4131	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	4131	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
12587	4131	*Pinus*	Pine	Male cone	Positive	Uncharred	0	0	1-10/liter
12587	4131	*Pinus*	Pine	Needle spindle gall	Positive	Uncharred	0	0	1-10/liter
12587	4131	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
12587	4131	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	4131	*Zea mays*	Maize	Cupule	Positive	Charred	2(0)	0	N/A
12587	4132	*Amaranthus*	Pigweed	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4132	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	4132	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4132	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4132	*Juniperus*	Juniper	Female cone	Positive	Uncharred	0	0	1-10/liter
12587	4132	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4132	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	11-25/liter
12587	4132	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
12587	4132	*Pinus*	Pine	Male cone	Positive	Uncharred	0	0	1-10/liter
12587	4132	*Pinus*	Pine	Twig	Positive	Uncharred	0	0	1-10/liter
12587	4132	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
12587	4132	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	11-25/liter
12587	4132	*Pinus ponderosa*	Ponderosa pine	Bark scale	Positive	Uncharred	0	0	1-10/liter
12587	4132	Unidentifiable	Unidentifiable	Seed	Positive	Charred	1(0)	0	N/A
12587	4138	*Atriplex/ Sarcobatus*	Saltbush/greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	4138	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4138	*Cucurbita*	Squash/ coyote gourd	Rind	Resembles taxon	Charred	0	0	1-10/liter
12587	4138	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4138	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
12587	4138	*Juniperus*	Juniper	Wood	Positive	Charred	7	<0.1	N/A
12587	4138	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
12587	4138	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
12587	4138	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4138	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	4138	*Sporobolus*	Dropseed grass	Caryopsis	Fairly certain	Charred	1(1)	0	N/A
12587	4138	*Zea mays*	Maize	Cupule	Positive	Charred	6(2)	0	N/A
12587	4138	*Zea mays*	Maize	Kernel	Positive	Charred	13(4)	0	N/A
12587	4139	*Amaranthus*	Pigweed	Seed	Positive	Charred	1(1)	0	N/A
12587	4139	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	4139	*Cercocarpus*	Mountain mahogany	Wood	Fairly certain	Charred	1	<0.1	N/A
12587	4139	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4139	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4139	*Juniperus*	Juniper	Wood	Positive	Charred	2	<0.1	N/A
12587	4139	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
12587	4139	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
12587	4139	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	2(0)	0	N/A
12587	4139	*Zea mays*	Maize	Cupule	Positive	Charred	5(0)	0	N/A
12587	4139	*Zea mays*	Maize	Kernel	Positive	Charred	11(2)	0	N/A
12587	4197	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
12587	4197	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4197	*Juniperus*	Juniper	Wood	Positive	Charred	4	<0.1	N/A
12587	4197	*Portulaca*	Purslane	Seed	Positive	Charred	1(1)	0	N/A
12587	4197	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4197	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	2(0)	0	N/A
12587	4197	*Zea mays*	Maize	Cupule	Positive	Charred	2(0)	0	N/A
12587	4197	*Zea mays*	Maize	Embryo	Positive	Charred	1(0)	0	N/A
12587	4198	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4198	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
12587	4198	*Juniperus*	Juniper	Wood	Positive	Charred	4	<0.1	N/A
12587	4198	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
12587	4198	*Zea mays*	Maize	Cupule	Positive	Charred	1(0)	0	N/A
12587	4198	*Zea mays*	Maize	Glume	Positive	Charred	1(1)	0	N/A
12587	4198	*Zea mays*	Maize	Kernel	Positive	Charred	10(0)	0	N/A
12587	4211	*Cucurbita*	Squash/ coyote gourd	Rind	Positive	Charred	0	0	1-10/liter
12587	4211	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
12587	4211	*Juniperus*	Juniper	Wood	Positive	Charred	2	<0.1	N/A
12587	4211	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587	4211	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	4211	*Portulaca*	Purslane	Seed	Positive	Charred	1(1)	0	N/A
12587	4211	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
12587	4211	*Zea mays*	Maize	Cupule	Positive	Charred	4(0)	0	N/A
12587	4245	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
12587	5127	*Amaranthus*	Pigweed	Seed	Positive	Charred	2(2)	0	N/A
12587	5127	*Artemisia*	Sagebrush	Wood	Positive	Charred	2	<0.1	N/A
12587	5127	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
12587	5127	*Chenopodium*	Goosefoot	Seed	Positive	Charred	2(0)	0	N/A
12587	5127	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	2(2)	0	N/A
12587	5127	*Echinocereus*	Hedgehog cactus	Seed	Positive	Charred	1(0)	0	N/A
12587	5127	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587	5127	Gymnospermae	Unknown conifer	Wood	Positive	Charred	6	0.1	N/A
12587	5127	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587	5127	*Juniperus*	Juniper	Wood	Positive	Charred	10	0.1	N/A
12587	5127	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
12587	5127	*Pinus edulis*	Piñon	Nutshell	Fairly certain	Charred	0	0	1-10/liter
12587	5127	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N/A
12587	5127	*Portulaca*	Purslane	Seed	Positive	Charred	1(0)	0	N/A
12587	5127	*Zea mays*	Maize	Cupule	Positive	Charred	27(4)	0	N/A
12587	5127	*Zea mays*	Maize	Kernel	Fairly certain	Charred	1(0)	0	N/A
12587, Area 8	8876	*Chenopodium*	Goosefoot	Seed	Positive	Charred	3(3)	0	N/A
12587, Area 8	8876	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
12587, Area 8	8876	*Chenopodium berlandieri*	Pitseed goosefoot	Seed	Positive	Charred	1(1)	0	N/A
12587, Area 8	8876	*Juniperus*	Juniper	Wood	Positive	Charred	2	<0.1	N/A
12587, Area 8	8877	*Chenopodium*	Goosefoot	Seed	Positive	Charred	3(3)	0	N/A
12587, Area 8	8877	*Chenopodium berlandieri*	Pitseed goosefoot	Seed	Positive	Charred	1(1)	0	N/A
12587, Area 8	8877	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587, Area 8	8877	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
12587, Area 8	8877	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587, Area 8	8877	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
12587, Area 8	8888	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
12587, Area 8	8888	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
12587, Area 8	8888	**Juniperus**	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
12587, Area 8	8888	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
12587, Area 8	8888	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
12587, Area 8	8888	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86637	270	**Juniperus**	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
86637	270	*Pinus*	Pine	Male cone	Positive	Uncharred	0	0	1-10/liter
86637	270	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86637	270	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
86637	271	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	1(0)	0	N/A
86637	271	**Juniperus**	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
86637	271	*Pinus*	Pine	Bark scale	Positive	Uncharred	0	0	1-10/liter
86637	271	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86637	272	*Juniperus*	Juniper	Female cone	Positive	Uncharred	0	0	1-10/liter
86637	272	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
86637	272	*Pinus*	Pine	Male cone	Positive	Uncharred	0	0	1-10/liter
86637	272	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86637	273	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
86637	273	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
127625	67	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
127625	67	*Pinus*	Pine	Male cone	Positive	Uncharred	0	0	1-10/liter
127625	67	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
127625	67	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
127625	68	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
127625	68	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
127625	68	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
127625	68	**Juniperus**	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
127625	68	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
127625	68	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
127631	15	*Amaranthus*	Pigweed	Seed	Positive	Uncharred	0	0	1-10/liter
127631	15	*CylindrOpuntia*	Cholla	Seed	Positive	Uncharred	0	0	1-10/liter
127631	15	*Elaeagnus angustifolia*	Russian olive	Seed	Positive	Uncharred	0	0	1-10/liter
127631	15	*Euphorbia*	Spurge	Fruit	Positive	Uncharred	0	0	1-10/liter
127631	15	Gramineae	Grass family	Whole plant	Positive	Uncharred	0	0	1-10/liter
127631	15	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
127631	15	**Helianthus**	Sunflower	Achene	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
127631	15	*Juniperus*	Juniper	Male cone	Positive	Uncharred	0	0	1-10/liter
127631	15	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	25-100/liter
127631	15	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	25-100/liter
127631	15	*Pinus*	Pine	Bark scale	Positive	Uncharred	0	0	>100/liter
127631	15	*Pinus*	Pine	Needle spindle gall	Positive	Uncharred	0	0	1-10/liter
127631	15	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
127631	15	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	11-25/liter
127631	15	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	11-25/liter
127631	15	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
127631	15	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
127631	17	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
127631	17	*Euphorbia*	Spurge	Fruit	Positive	Uncharred	0	0	1-10/liter
127631	17	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
127631	17	*Juniperus*	Juniper	Male cone	Positive	Uncharred	0	0	1-10/liter
127631	17	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
127631	17	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	25-100/liter
127631	17	*Madia glomerata*	Tarweed	Achene	Fairly certain	Uncharred	0	0	1-10/liter
127631	17	*Pinus*	Pine	Bark scale	Positive	Uncharred	0	0	1-10/liter
127631	17	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
127631	17	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	11-25/liter
127631	17	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
127631	17	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
127631	28	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
127631	28	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
127631	28	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
127631	28	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
127631	28	*Pinus*	Pine	Bark scale	Positive	Uncharred	0	0	1-10/liter
127631	28	*Pinus*	Pine	Needle spindle gall	Positive	Uncharred	0	0	1-10/liter
127631	28	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	11-25/liter
127631	28	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
127631	28	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
127631	29	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
127631	29	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	11-25/liter
127631	29	*Pinus*	Pine	Bark scale	Positive	Uncharred	0	0	25-100/liter
127631	29	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
127631	29	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
127631	32	*Amaranthus*	Pigweed	Seed	Fairly certain	Uncharred	0	0	1-10/liter
127631	32	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
127631	32	*Cucurbita*	Squash/ coyote gourd	Rind	Resembles taxon	Charred	0	0	1-10/liter
127631	32	*Euphorbia*	Spurge	Fruit	Positive	Uncharred	0	0	1-10/liter
127631	32	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
127631	32	*Juniperus*	Juniper	Wood	Positive	Charred	8	0.1	N/A
127631	32	*Pinus*	Pine	Bark scale	Positive	Uncharred	0	0	>100/liter
127631	32	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
127631	32	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
127631	32	*Zea mays*	Maize	Cupule	Positive	Charred	6(0)	0	N/A
127631	32	*Zea mays*	Maize	Embryo	Positive	Part. Charred	1(0)	0	N/A
127631	42	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
127631	42	*Pinus*	Pine	Twig	Positive	Uncharred	0	0	1-10/liter
127631	42	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
127631	51	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
127631	51	*Pinus*	Pine	Male cone	Positive	Uncharred	0	0	1-10/liter
127631	51	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
127631	53	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
127631	53	*Chenopodium berlandieri*	Pitseed goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
127631	53	*Euphorbia*	Spurge	Fruit	Positive	Uncharred	0	0	1-10/liter
127631	53	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
127631	53	*Helianthus*	Sunflower	Achene	Positive	Uncharred	0	0	1-10/liter
127631	53	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
127631	53	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	25-100/liter
127631	53	*Pinus*	Pine	Bark scale	Positive	Uncharred	0	0	25-100/liter
127631	53	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	25-100/liter
127631	53	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
127631	53	*Rubus*	Raspberry/ thimbleberry	Seed	Positive	Uncharred	0	0	1-10/liter
127631	55	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
127631	55	*Chenopodium berlandieri*	Pitseed goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
127631	55	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
127631	55	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
127631	55	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
127631	55	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
127631	55	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
127631	55	*Rhus*	Sumac	Seed	Fairly certain	Uncharred	0	0	1-10/liter
128803	9	*Euphorbia*	Spurge	Fruit	Positive	Uncharred	0	0	1-10/liter
128803	9	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
128803	9	*Pinus*	Pine	Bark scale	Positive	Uncharred	0	0	1-10/liter
128803	9	*Pinus*	Pine	Twig	Positive	Uncharred	0	0	1-10/liter
128803	9	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
128803	9	*Pinus edulis*	Piñon	Nut	Positive	Uncharred	0	0	1-10/liter
128803	14	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
128803	14	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
128803	14	*Zea mays*	Maize	Cupule	Resembles taxon	Charred	1(0)	0	N/A
128803	16	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
128803	18	Gramineae	Grass family	Floret	Positive	Uncharred	0	0	1-10/liter
128803	18	Gramineae	Grass family	Leaf	Positive	Uncharred	0	0	1-10/liter
128803	18	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
128803	18	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
128803	18	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
128803	18	Unknown # 1	Unknown # 1	Seed	Positive	Uncharred	0	0	1-10/liter
128803	21	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
128803	21	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
128803	21	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
128803	21	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
128803	21	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
128803	21	*Zea mays*	Maize	Cupule	Positive	Charred	2(0)	0	N/A
128803	24	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(0)	0	N/A
128803	24	Compositae	Sunflower family	Achene	Positive	Uncharred	0	0	1-10/liter
128803	24	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
128803	24	*Juniperus*	Juniper	Female cone	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
128803	24	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
128803	24	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
128803	24	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
128803	24	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
128803	24	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
128803	24	Rosaceae	Rose family	Wood	Positive	Charred	2	<0.1	N/A
128803	24	*Zea mays*	Maize	Cupule	Positive	Charred	4(0)	0	N/A
128803	25	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
128803	25	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	1(1)	0	N/A
128803	25	*Euphorbia*	Spurge	Fruit	Positive	Uncharred	0	0	1-10/liter
128803	25	Gramineae	Grass family	Leaf	Positive	Uncharred	0	0	1-10/liter
128803	25	*Helianthus*	Sunflower	Achene	Positive	Uncharred	0	0	1-10/liter
128803	25	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
128803	25	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
128803	25	*Pinus*	Pine	Male cone	Positive	Uncharred	0	0	1-10/liter
128803	25	*Pinus*	Pine	Needle spindle gall	Positive	Uncharred	0	0	1-10/liter
128803	25	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
128803	25	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
128803	25	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
128803	25	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
128803	25	*Quercus*	Oak	Wood	Fairly certain	Charred	2	<0.1	N/A
128803	25	*Zea mays*	Maize	Cupule	Fairly certain	Charred	1(0)	0	N/A
128803	28	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
128803	28	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
128803	28	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
128803	28	*Pinus*	Pine	Twig	Positive	Uncharred	0	0	1-10/liter
128803	28	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
128803	28	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
128803	28	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
128803	29	Gramineae	Grass family	Floret	Positive	Uncharred	0	0	1-10/liter
128803	29	*Juniperus*	Juniper	Female cone	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
128803	29	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
128803	29	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	25-100/liter
128803	29	*Physalis*	Groundcherry	Seed	Positive	Uncharred	0	0	1-10/liter
128803	29	*Pinus*	Pine	Cone scale	Positive	Uncharred	0	0	1-10/liter
128803	29	*Pinus*	Pine	Male cone	Positive	Uncharred	0	0	1-10/liter
128803	29	*Pinus*	Pine	Needle spindle gall	Positive	Uncharred	0	0	1-10/liter
128803	29	*Pinus*	Pine	Twig	Positive	Uncharred	0	0	1-10/liter
128803	29	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
128803	29	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	25-100/liter
128803	29	*Pinus edulis*	Piñon	Nut	Positive	Uncharred	0	0	1-10/liter
128803	29	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
128803	30	*Juniperus*	Juniper	Female cone	Positive	Uncharred	0	0	1-10/liter
128803	30	*Juniperus*	Juniper	Male cone	Positive	Uncharred	0	0	1-10/liter
128803	30	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
128803	30	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	11-25/liter
128803	30	*Pinus*	Pine	Male cone	Positive	Uncharred	0	0	1-10/liter
128803	30	*Pinus*	Pine	Twig	Positive	Uncharred	0	0	1-10/liter
128803	30	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
128803	30	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	11-25/liter
128803	30	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
128803	32	*Juniperus*	Juniper	Female cone	Positive	Uncharred	0	0	1-10/liter
128803	32	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
128803	32	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	25-100/liter
128803	32	*Pinus*	Pine	Needle spindle gall	Positive	Uncharred	0	0	1-10/liter
128803	32	*Pinus*	Pine	Twig	Positive	Uncharred	0	0	1-10/liter
128803	32	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	11-25/liter
128803	33	*Juniperus*	Juniper	Female cone	Positive	Uncharred	0	0	1-10/liter
128803	33	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
128803	33	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
128803	33	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
128803	33	*Pinus edulis*	Piñon	Twig	Positive	Uncharred	0	0	1-10/liter
128803	33	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
128803	33	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
128804	213	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
128804	213	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
128804	213	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
128804	215	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
128804	215	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
128804	215	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
128804	219	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
128804	219	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
128804	222	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
128805	161	Gramineae	Grass family	Culm	Positive	Uncharred	0	0	1-10/liter
128805	161	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	11-25/liter
128805	161	*Pinus*	Pine	Twig	Positive	Uncharred	0	0	1-10/liter
128805	161	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	11-25/liter
128805	162	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
128805	162	Dicotyledonae	Dicot	Leaf	Positive	Uncharred	0	0	1-10/liter
128805	162	*Juniperus*	Juniper	Female cone	Positive	Uncharred	0	0	1-10/liter
128805	162	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
128805	162	*Pinus*	Pine	Twig	Positive	Uncharred	0	0	1-10/liter
128805	162	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
128805	162	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	0.1	N/A
128805	162	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	1(0)	0	N/A
128805	176	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
128805	176	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
128805	176	*Juniperus*	Juniper	Male cone	Positive	Uncharred	0	0	1-10/liter
128805	176	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
128805	176	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
128805	176	*Pinus*	Pine	Needle spindle gall	Positive	Uncharred	0	0	1-10/liter
128805	176	*Pinus*	Pine	Twig	Positive	Uncharred	0	0	1-10/liter
128805	176	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	11-25/liter
128805	176	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
128805	176	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
128805	185	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
128805	185	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
128805	185	*Juniperus*	Juniper	Female cone	Positive	Uncharred	0	0	1-10/liter
128805	185	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
128805	185	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	25-100/liter
128805	185	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
128805	185	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
128805	185	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
128805	199	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
128805	199	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
128805	199	*Juniperus*	Juniper	Female cone	Positive	Uncharred	0	0	1-10/liter
128805	199	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
128805	199	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
128805	199	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
128805	199	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
128805	199	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
128805	210	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
128805	210	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
128805	210	*Pinus*	Pine	Twig	Positive	Uncharred	0	0	1-10/liter
128805	210	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
128805	210	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
128805	211	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
128805	211	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
128805	211	*Chenopodium berlandieri*	Pitseed goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
128805	211	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	<0.1	N/A
128805	211	*Juniperus*	Juniper	Female cone	Positive	Uncharred	0	0	1-10/liter
128805	211	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
128805	211	*Pinus*	Pine	Bark scale	Positive	Uncharred	0	0	1-10/liter
128805	211	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	11-25/liter
128805	211	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	<0.1	N/A
128805	211	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
128805	211	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
128805	211	*Zea mays*	Maize	Glume	Resembles taxon	Charred	1(1)	0	N/A
128805	225	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
128805	225	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
128805	225	*Pinus*	Pine	Bark scale	Positive	Uncharred	0	0	1-10/liter
128805	225	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
128805	225	*Zea mays*	Maize	Cupule	Positive	Charred	2(0)	0	N/A
128805	225	*Zea mays*	Maize	Kernel	Fairly certain	Charred	1(0)	0	N/A
128805	246	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
128805	246	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
128805	246	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
128805	246	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
128805	246	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
128805	246	*Pinus*	Pine	Bark scale	Positive	Uncharred	0	0	1-10/liter
128805	246	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
128805	246	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
128805	248	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	2	<0.1	N/A
128805	248	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
128805	248	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
128805	248	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
128805	248	*Pinus*	Pine	Twig	Positive	Uncharred	0	0	1-10/liter
128805	248	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
128805	248	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1	N/A
86534	916	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	916	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
86534	916	*Physalis*	Groundcherry	Seed	Positive	Uncharred	0	0	1-10/liter
86534	916	*Zea mays*	Maize	Cupule	Positive	Charred	2(0)	0	N/A
86534	916	Sporobolus	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
86534	916	Gymnospermae	Unknown conifer	Wood	Positive	Charred	10	<0.1	N/A
86534	916	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
86534	916	*Pinus*	Pine	Wood	Positive	Charred	3	<0.1	N/A
86534	916	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86534	925	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	925	*Helianthus*	Sunflower	Achene	Positive	Uncharred	0	0	1-10/liter
86534	925	*Rosaceae*	Rose family	Wood	Positive	Charred	1	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
86534	925	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
86534	925	*Zea mays*	Maize	Cupule	Positive	Charred	4(1)	0	N/A
86534	925	*Cercocarpus*	Mountain mahogany	Wood	Fairly certain	Charred	4	<0.1	N/A
86534	925	Gymnospermae	Unknown conifer	Wood	Positive	Charred	14	0.1	N/A
86534	925	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
86534	925	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86534	925	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
86534	1002	*Chenopodium*	Goosefoot	Seed	Positive	Charred	2(2)	0	N/A
86534	1002	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1002	*Portulaca*	Purslane	Seed	Positive	Charred	1(1)	0	N/A
86534	1002	*Zea mays*	Maize	Cupule	Positive	Charred	9(0)	0	N/A
86534	1002	Gymnospermae	Unknown conifer	Wood	Positive	Charred	16	0.2	N/A
86534	1002	*Juniperus*	Juniper	Female cone	Fairly certain	Charred	1(0)	0	N/A
86534	1002	*Juniperus*	Juniper	Male cone	Positive	Uncharred	0	0	1-10/liter
86534	1002	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
86534	1002	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
86534	1002	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
86534	1002	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
86534	1002	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86534	1002	*Quercus*	Oak	Wood	Fairly certain	Charred	1	<0.1	N/A
86534	1170	*Amaranthus*	Pigweed	Seed	Positive	Charred	1(1)	0	N/A
86534	1170	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1170	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1170	*Oenothera*	Evening primrose	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1170	*Zea mays*	Maize	Cupule	Positive	Charred	4(0)	0	N/A
86534	1170	Gramineae	Grass family	Caryopsis	Positive	Uncharred	0	0	1-10/liter
86534	1170	Gramineae	Grass family	Leaf	Positive	Uncharred	0	0	1-10/liter
86534	1170	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	<0.1	N/A
86534	1170	*Juniperus*	Juniper	Male cone	Positive	Uncharred	0	0	1-10/liter
86534	1170	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1170	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
86534	1170	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86534	1170	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
86534	1170	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
86534	1170	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	1	<0.1	N/A
86534	1170	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
86534	1271	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1271	*Euphorbia marginata*	Snow on the mountain	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1271	*Helianthus*	Sunflower	Achene	Positive	Uncharred	0	0	11-25/liter
86534	1271	Polygonaceae	Knotweed family	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1271	*Zea mays*	Maize	Cupule	Positive	Charred	7(0)	0	N/A
86534	1271	Gramineae	Grass family	Caryopsis	Positive	Uncharred	0	0	1-10/liter
86534	1271	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	1(0)	0	N/A
86534	1271	Gymnospermae	Unknown conifer	Wood	Positive	Charred	16	0.4	N/A
86534	1271	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
86534	1271	*Pinus*	Pine	Male cone	Positive	Uncharred	0	0	1-10/liter
86534	1271	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86534	1271	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	11-25/liter
86534	1271	*Pinus edulis*	Piñon	Wood	Positive	Charred	4	0.3	N/A
86534	1272	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1272	*Euphorbia marginata*	Snow on the mountain	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1272	*Helianthus*	Sunflower	Achene	Positive	Uncharred	0	0	1-10/liter
86534	1272	*Zea mays*	Maize	Cupule	Positive	Charred	4(0)	0	N/A
86534	1272	Gramineae	Grass family	Caryopsis	Positive	Uncharred	0	0	1-10/liter
86534	1272	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	1(0)	0	N/A
86534	1272	*Atriplex/ Sarcobatus*	Saltbush/ Greasewood	Wood	Positive	Charred	1	<0.1	N/A
86534	1272	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	2	<0.1	N/A
86534	1272	Gymnospermae	Unknown conifer	Wood	Positive	Charred	8	0.1	N/A
86534	1272	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1272	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
86534	1272	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86534	1272	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	11-25/liter
86534	1272	*Pinus edulis*	Piñon	Wood	Positive	Charred	8	0.5	N/A
86534	1272	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	1	<0.1	N/A
86534	1272	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
86534	1273	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
86534	1273	*Helianthus*	Sunflower	Achene	Positive	Uncharred	0	0	1-10/liter
86534	1273	*Zea mays*	Maize	Cupule	Positive	Charred	4(0)	0	N/A
86534	1273	Gramineae	Grass family	Caryopsis	Positive	Uncharred	0	0	1-10/liter
86534	1273	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	1(0)	0	N/A
86534	1273	*Atriplex*/ *Sarcobatus*	Saltbush/ Greasewood	Wood	Positive	Charred	1	<0.1	N/A
86534	1273	Gymnospermae	Unknown conifer	Wood	Positive	Charred	11	0.2	N/A
86534	1273	*Pinus*	Pine	Bark scale	Positive	Uncharred	0	0	1-10/liter
86534	1273	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
86534	1273	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86534	1273	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	11-25/liter
86534	1273	*Pinus edulis*	Piñon	Wood	Positive	Charred	6	0.1	N/A
86534	1273	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
86534	1273	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	<0.1	N/A
86534	1274	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1274	*Helianthus*	Sunflower	Achene	Positive	Uncharred	0	0	1-10/liter
86534	1274	Polygonaceae	Knotweed family	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1274	*Zea mays*	Maize	Cupule	Positive	Charred	4(0)	0	N/A
86534	1274	*Zea mays*	Maize	Embryo	Fairly certain	Charred	1(0)	0	N/A
86534	1274	*Zea mays*	Maize	Glume	Positive	Charred	2(2)	0	N/A
86534	1274	*Zea mays*	Maize	Kernel	Resembles taxon	Charred	1(0)	0	N/A
86534	1274	Gramineae	Grass family	Caryopsis	Positive	Uncharred	0	0	1-10/liter
86534	1274	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	2	<0.1	N/A
86534	1274	Gymnospermae	Unknown conifer	Wood	Positive	Charred	8	0.1	N/A
86534	1274	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
86534	1274	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
86534	1274	*Pinus*	Pine	Wood	Positive	Charred	8	0.5	N/A
86534	1274	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	11-25/liter
86534	1274	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	0.1	N/A
86534	1291	*Chenopodium*	Goosefoot	Seed	Positive	Charred	5(2)	0	N/A
86534	1291	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1291	*Zea mays*	Maize	Cupule	Positive	Charred	11(0)	0	N/A
86534	1291	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
86534	1291	Gymnospermae	Unknown conifer	Wood	Positive	Charred	9	<0.1	N/A
86534	1291	*Pinus*	Pine	Needle	Positive	Charred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
86534	1291	*Pinus*	Pine	Wood	Positive	Charred	6	<0.1	N/A
86534	1291	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86534	1291	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	1	<0.1	N/A
86534	1321	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
86534	1321	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1321	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Part. Charred	1(0)	0	N/A
86534	1321	*Zea mays*	Maize	Cupule	Positive	Charred	7(1)	0	N/A
86534	1321	*Zea mays*	Maize	Cupule segment	Positive	Charred	1(1)	0	N/A
86534	1321	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
86534	1321	*Atriplex/ Sarcobatus*	Saltbush/ Greasewood	Wood	Positive	Charred	1	<0.1	N/A
86534	1321	Gymnospermae	Unknown conifer	Wood	Positive	Charred	8	0.1	N/A
86534	1321	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
86534	1321	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
86534	1321	*Pinus*	Pine	Wood	Positive	Charred	2	0.2	N/A
86534	1321	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86534	1321	*Pinus edulis*	Piñon	Wood	Positive	Charred	5	0.1	N/A
86534	1321	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	3	<0.1	N/A
86534	1321	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
86534	1322	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(0)	0	N/A
86534	1322	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1322	Compositae	Sunflower family	Achene	Positive	Uncharred	0	0	1-10/liter
86534	1322	*Zea mays*	Maize	Cupule	Positive	Charred	9(1)	0	N/A
86534	1322	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
86534	1322	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	1	0.1	N/A
86534	1322	*Gymnospermae*	Unknown conifer	Wood	Positive	Charred	12	0.4	N/A
86534	1322	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
86534	1322	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	11-25/liter
86534	1322	*Pinus*	Pine	Female cone	Positive	Uncharred	0	0	1-10/liter
86534	1322	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
86534	1322	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86534	1322	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	0.2	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
86534	1322	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
86534	1322	*Robinia*	New Mexico locust	Wood	Fairly certain	Charred	4	<0.1	N/A
86534	1323	*Chenopodium*	Goosefoot	Seed	Positive	Charred	3(2)	0	N/A
86534	1323	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1323	*Nicotiana*	Tobacco	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1323	*Zea mays*	Maize	Cupule	Positive	Charred	8(2)	0	N/A
86534	1323	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
86534	1323	Gymnospermae	Unknown conifer	Wood	Positive	Charred	11	0.2	N/A
86534	1323	*Juniperus*	Juniper	Male cone	Positive	Uncharred	0	0	1-10/liter
86534	1323	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
86534	1323	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
86534	1323	*Pinus*	Pine	Umbo	Positive	Charred	0	0	1-10/liter
86534	1323	*Pinus*	Pine	Wood	Positive	Charred	7	0.2	N/A
86534	1323	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86534	1323	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
86534	1323	*Pinus edulis*	Piñon	Wood	Fairly certain	Charred	2	0.2	N/A
86534	1323	*Robinia*	New Mexico locust	Wood	Fairly certain	Charred	1	<0.1	N/A
86534	1324	*Chenopodium*	Goosefoot	Seed	Positive	Charred	5(3)	0	N/A
86534	1324	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1324	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1324	*Zea mays*	Maize	Cupule	Positive	Charred	7(2)	0	N/A
86534	1324	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
86534	1324	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	1(0)	0	N/A
86534	1324	Gymnospermae	Unknown conifer	Wood	Positive	Charred	9	0.1	N/A
86534	1324	*Juniperus*	Juniper	Male cone	Positive	Uncharred	0	0	1-10/liter
86534	1324	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1324	*Juniperus*	Juniper	Twig	Positive	Charred	0	0	1-10/liter
86534	1324	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
86534	1324	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
86534	1324	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
86534	1324	*Pinus*	Pine	Wood	Positive	Charred	7	0.2	N/A
86534	1324	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86534	1324	*Pinus edulis*	Piñon	Nutshell	Positive	Charred	0	0	1-10/liter
86534	1324	*Pinus edulis*	Piñon	Wood	Positive	Charred	4	0.3	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
86534	1324	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1335	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
86534	1335	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1335	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	6(6)	0	N/A
86534	1335	*Euphorbia marginata*	Snow on the mountain	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1335	*Helianthus*	Sunflower	Achene	Positive	Uncharred	0	0	1-10/liter
86534	1335	*Portulaca*	Purslane	Seed	Positive	Charred	2(2)	0	N/A
86534	1335	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1335	Chenopodiaceae	Goosefoot family	Seed	Positive	Charred	1(1)	0	N/A
86534	1335	*Oenothera*	Evening primrose	Seed	Positive	Charred	8(7)	0	N/A
86534	1335	Gramineae	Grass family	Caryopsis	Positive	Charred	7(6)	0	N/A
86534	1335	Gramineae	Grass family	Caryopsis	Positive	Uncharred	0	0	1-10/liter
86534	1335	Gymnospermae	Unknown conifer	Wood	Positive	Charred	7	<0.1	N/A
86534	1335	*Juniperus*	Juniper	Wood	Positive	Charred	3	<0.1	N/A
86534	1335	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86534	1335	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
86534	1335	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	1	<0.1	N/A
86534	1353	*Chenopodium*	Goosefoot	Seed	Positive	Charred	3(0)	0	N/A
86534	1353	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1353	Fabaceae	Bean family	Seed	Fairly certain	Uncharred	0	0	1-10/liter
86534	1353	*Oenothera*	Evening primrose	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1353	*Zea mays*	Maize	Cupule	Positive	Charred	6(0)	0	N/A
86534	1353	*Zea mays*	Maize	Kernel	Resembles taxon	Charred	1(0)	0	N/A
86534	1353	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
86534	1353	*Atriplex/ Sarcobatus*	Saltbush/greasewood	Wood	Positive	Charred	1	<0.1	N/A
86534	1353	Gymnospermae	Unknown conifer	Wood	Positive	Charred	6	<0.1	N/A
86534	1353	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
86534	1353	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
86534	1353	*Pinus edulis*	Piñon	Wood	Fairly certain	Charred	2	<0.1	N/A
86534	1353	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly	Charred	2	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
					certain				
86534	1389	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1389	*Zea mays*	Maize	Cupule	Positive	Charred	13(0)	0	N/A
86534	1389	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
86534	1389	Gymnospermae	Unknown conifer	Wood	Positive	Charred	9	0.1	N/A
86534	1389	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
86534	1389	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
86534	1389	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	<0.1	N/A
86534	1389	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	4	0.1	N/A
86534	1389	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
86534	1402	*Chenopodium*	Goosefoot	Seed	Positive	Charred	9(3)	0	N/A
86534	1402	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1402	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1402	*Physalis*	Groundcherry	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1402	*Zea mays*	Maize	Cupule	Positive	Charred	11(1)	0	N/A
86534	1402	Unknown # 1	Unknown # 1	Unknown	Positive	Charred	1(1)	0	N/A
86534	1402	Gymnospermae	Unknown conifer	Wood	Positive	Charred	10	0.1	N/A
86534	1402	*Pinus*	Pine	Umbo	Positive	Charred	0	0	1-10/liter
86534	1402	*Pinus*	Pine	Wood	Positive	Charred	7	0.1	N/A
86534	1402	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
86534	1402	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86534	1402	*Pinus edulis*	Piñon	Nutshell	Fairly certain	Charred	0	0	1-10/liter
86534	1402	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
86534	1402	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	0.1	N/A
86534	1476	*Chenopodium*	Goosefoot	Seed	Positive	Charred	2(2)	0	N/A
86534	1476	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1476	*Nicotiana*	Tobacco	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1476	Chenopodiaceae	Goosefoot family	Seed	Positive	Charred	1(0)	0	N/A
86534	1476	*Physalis*	Groundcherry	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1476	*Zea mays*	Maize	Cupule	Positive	Charred	6(1)	0	N/A
86534	1476	Unknown # 1	Unknown # 1	Unknown	Positive	Charred	1(1)	0	N/A
86534	1476	Gymnospermae	Unknown conifer	Wood	Positive	Charred	11	0.1	N/A
86534	1476	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1476	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
86534	1476	*Pinus*	Pine	Wood	Positive	Charred	5	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
86534	1476	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
86534	1476	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86534	1476	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
86534	1476	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N/A
86534	1476	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
86534	1476	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	2	<0.1	N/A
86534	1476	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1476	*Cucurbita*	Squash/coyote gourd	Rind	Resembles taxon	Charred	4(0)	0	N/A
86534	1509	*Chenopodium*	Goosefoot	Seed	Positive	Charred	2(1)	0	N/A
86534	1509	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	1(1)	0	N/A
86534	1509	*Nicotiana*	Tobacco	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1509	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1509	*Zea mays*	Maize	Cupule	Positive	Charred	8(0)	0	N/A
86534	1509	*Atriplex/ Sarcobatus*	Saltbush/ Greasewood	Wood	Positive	Charred	1	<0.1	N/A
86534	1509	Gymnospermae	Unknown conifer	Wood	Positive	Charred	11	0.1	N/A
86534	1509	*Pinus*	Pine	Wood	Positive	Charred	4	<0.1	N/A
86534	1509	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86534	1509	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N/A
86534	1511	*Chenopodium*	Goosefoot	Seed	Positive	Charred	2(2)	0	N/A
86534	1511	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1511	*Portulaca*	Purslane	Seed	Positive	Charred	2(2)	0	N/A
86534	1511	*Zea mays*	Maize	Cupule	Positive	Charred	9(0)	0	N/A
86534	1511	Unknown # 1	Unknown # 1	Stem	Positive	Charred	0	0	1-10/liter
86534	1511	*Atriplex/ Sarcobatus*	Saltbush/ Greasewood	Wood	Positive	Charred	2	<0.1	N/A
86534	1511	Gymnospermae	Unknown conifer	Wood	Positive	Charred	13	0.1	N/A
86534	1511	*Juniperus*	Juniper	Wood	Positive	Charred	2	<0.1	N/A
86534	1511	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
86534	1511	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86534	1511	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
86534	1511	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	<0.1	N/A
86534	1512	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1512	*Franseria acanticarpa*	Bursage	Achene	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
86534	1512	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1512	Fabaceae	Bean family	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1512	*Zea mays*	Maize	Cupule	Positive	Charred	5(0)	0	N/A
86534	1512	*Zea mays*	Maize	Fruit	Positive	Charred	1(1)	0	N/A
86534	1512	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
86534	1512	*Atriplex/ Sarcobatus*	Saltbush/ Greasewood	Wood	Positive	Charred	1	<0.1	N/A
86534	1512	Gymnospermae	Unknown conifer	Wood	Positive	Charred	11	<0.1	N/A
86534	1512	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1512	*Pinus*	Pine	Wood	Positive	Charred	3	<0.1	N/A
86534	1512	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86534	1512	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
86534	1512	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	5	<0.1	N/A
86534	1578	*Chenopodium*	Goosefoot	Seed	Fairly certain	Charred	1(0)	0	N/A
86534	1578	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1578	*Zea mays*	Maize	Cupule	Positive	Charred	11(1)	0	N/A
86534	1578	Unidentifiable	Unidentifiable	Seed	Positive	Charred	2(0)	0	N/A
86534	1578	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	9	0.1	N/A
86534	1578	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	0.1	N/A
86534	1578	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
86534	1578	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
86534	1578	*Pinus*	Pine	Wood	Positive	Charred	5	0.1	N/A
86534	1578	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
86534	1578	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86534	1578	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
86534	1641	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
86534	1641	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1641	*Zea mays*	Maize	Cupule	Positive	Charred	6(0)	0	N/A
86534	1641	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	<0.1	N/A
86534	1641	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
86534	1641	*Pinus*	Pine	Wood	Positive	Charred	6	0.1	N/A
86534	1641	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86534	1641	*Pinus edulis*	Piñon	Nutshell	Fairly certain	Charred	0	0	1-10/liter
86534	1641	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	7	0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
86534	1641	*Quercus*	Oak	Wood	Positive	Charred	2	<0.1	N/A
86534	1650	*Chenopodium*	Goosefoot	Seed	Positive	Charred	5(2)	0	N/A
86534	1650	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1650	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1650	*Physalis*	Groundcherry	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1650	*Zea mays*	Maize	Cupule	Positive	Charred	8(1)	0	N/A
86534	1650	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
86534	1650	Gymnospermae	Unknown conifer	Wood	Positive	Charred	11	0.1	N/A
86534	1650	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1650	*Juniperus*	Juniper	Wood	Positive	Charred	2	<0.1	N/A
86534	1650	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
86534	1650	*Pinus*	Pine	Wood	Positive	Charred	2	<0.1	N/A
86534	1650	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
86534	1650	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86534	1650	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	11-25/liter
86534	1650	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N/A
86534	1650	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	3	0.1	N/A
86534	1650	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
86534	1650	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1650	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
86534	1726	*Zea mays*	Maize	Cupule	Positive	Charred	4(0)	0	N/A
86534	1726	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	<0.1	N/A
86534	1726	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
86534	1726	*Pinus*	Pine	Wood	Positive	Charred	6	0.1	N/A
86534	1726	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
86534	1752	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
86534	1752	*Zea mays*	Maize	Cupule	Positive	Charred	8(1)	0	N/A
86534	1752	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
86534	1752	*Atriplex/ Sarcobatus*	Saltbush/ Greasewood	Wood	Positive	Charred	1	<0.1	N/A
86534	1752	Gymnospermae	Unknown conifer	Wood	Positive	Charred	11	0.1	N/A
86534	1752	*Pinus*	Pine	Wood	Positive	Charred	2	<0.1	N/A
86534	1752	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	6	<0.1	N/A
86534	1753	*Amaranthus*	Pigweed	Seed	Fairly certain	Charred	1(1)	0	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
86534	1753	*Chenopodium*	Goosefoot	Seed	Positive	Charred	4(3)	0	N/A
86534	1753	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1753	*Physalis*	Groundcherry	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1753	*Zea mays*	Maize	Cupule	Positive	Charred	16(1)	0	N/A
86534	1753	Monocotyledonae	Monocot	Stem	Positive	Charred	0	0	1-10/liter
86534	1753	Unidentifiable	Unidentifiable	Seed	Positive	Charred	1(0)	0	N/A
86534	1753	*Atriplex canescens*	Four-wing saltbush	Fruit	Positive	Charred	1(0)	0	N/A
86534	1753	Gymnospermae	Unknown conifer	Wood	Positive	Charred	12	0.1	N/A
86534	1753	*Pinus*	Pine	Wood	Positive	Charred	4	<0.1	N/A
86534	1753	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
86534	1753	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
86534	1753	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	2	0.1	N/A
86534	1753	*Quercus*	Oak	Wood	Fairly certain	Charred	2	<0.1	N/A
86534	1761	*Chenopodium*	Goosefoot	Seed	Positive	Charred	12(4)	0	N/A
86534	1761	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1761	*Nicotiana*	Tobacco	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1761	*Portulaca*	Purslane	Seed	Positive	Charred	2(1)	0	N/A
86534	1761	*Zea mays*	Maize	Cupule	Positive	Charred	25(4)	0	N/A
86534	1761	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
86534	1761	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	1	<0.1	N/A
86534	1761	*Echinocereus*	Hedgehog cactus	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1761	Gymnospermae	Unknown conifer	Wood	Positive	Charred	8	0.2	N/A
86534	1761	*Pinus*	Pine	Wood	Positive	Charred	5	0.1	N/A
86534	1761	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
86534	1761	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86534	1761	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	6	0.1	N/A
86534	1761	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
86534	1773	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
86534	1773	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1773	*Physalis*	Groundcherry	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1773	*Zea mays*	Maize	Cupule	Positive	Charred	5(0)	0	N/A
86534	1773	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
86534	1773	*Pinus*	Pine	Wood	Positive	Charred	2	<0.1	N/A
86534	1773	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
86534	1773	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	5	<0.1	N/A
86534	1777	*Amaranthus*	Pigweed	Seed	Fairly certain	Charred	1(1)	0	N/A
86534	1777	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1777	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Part. Charred	1(1)	0	N/A
86534	1777	*Zea mays*	Maize	Cupule	Positive	Charred	7(2)	0	N/A
86534	1777	Gymnospermae	Unknown conifer	Wood	Positive	Charred	8	<0.1	N/A
86534	1777	*Juniperus*	Juniper	Wood	Positive	Charred	2	<0.1	N/A
86534	1777	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
86534	1777	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
86534	1777	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86534	1777	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
86534	1777	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
86534	1777	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	2	<0.1	N/A
86534	1777	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1785	*Chenopodium*	Goosefoot	Seed	Fairly certain	Charred	1(0)	0	N/A
86534	1785	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1785	*Zea mays*	Maize	Cupule	Positive	Charred	16(0)	0	N/A
86534	1785	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	1	<0.1	N/A
86534	1785	Gymnospermae	Unknown conifer	Wood	Positive	Charred	13	0.2	N/A
86534	1785	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
86534	1785	*Pinus edulis*	Piñon	Wood	Positive	Charred	4	0.1	N/A
86534	1785	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	1	<0.1	N/A
86534	1860	*Amaranthus*	Pigweed	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1860	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1860	*Oenothera*	Evening primrose	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1860	*Zea mays*	Maize	Cupule	Positive	Charred	8(0)	0	N/A
86534	1860	Gramineae	Grass family	Caryopsis	Positive	Uncharred	0	0	1-10/liter
86534	1860	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
86534	1860	*Atriplex canescens*	Four-wing saltbush	Fruit	Positive	Charred	1(0)	0	N/A
86534	1860	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	0.1	N/A
86534	1860	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
86534	1860	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
86534	1860	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
86534	1860	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86534	1860	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
86534	1860	*Pinus edulis*	Piñon	Wood	Fairly certain	Charred	1	<0.1	N/A
86534	1860	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	1	<0.1	N/A
86534	1860	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
86534	1860	*Quercus*	Oak	Wood	Fairly certain	Charred	1	<0.1	N/A
86534	1906	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1906	*Zea mays*	Maize	Cupule	Positive	Charred	1(0)	0	N/A
86534	1906	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	<0.1	N/A
86534	1906	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1906	*Pinus*	Pine	Wood	Positive	Charred	8	0.3	N/A
86534	1906	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
86534	1906	*Quercus*	Oak	Wood	Positive	Charred	8	0.1	N/A
86534	1966	*Nicotiana*	Tobacco	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1966	*Zea mays*	Maize	Cupule	Positive	Charred	4(1)	0	N/A
86534	1966	*Atriplex/ Sarcobatus*	Saltbush/ Greasewood	Wood	Positive	Charred	2	<0.1	N/A
86534	1966	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	<0.1	N/A
86534	1966	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
86534	1966	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86534	1966	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	5	<0.1	N/A
86534	1968	*Amaranthus*	Pigweed	Seed	Positive	Charred	2(2)	0	N/A
86534	1968	*Chenopodium*	Goosefoot	Seed	Positive	Charred	20(14)	0	N/A
86534	1968	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1968	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	2(2)	0	N/A
86534	1968	*Nicotiana*	Tobacco	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1968	*Portulaca*	Purslane	Seed	Positive	Charred	5(5)	0	N/A
86534	1968	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1968	Compositae	Sunflower family	Achene	Fairly certain	Charred	1(1)	0	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
86534	1968	*Zea mays*	Maize	Cupule	Positive	Charred	28(2)	0	N/A
86534	1968	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
86534	1968	*Atriplex/ Sarcobatus*	Saltbush/ Greasewood	Wood	Positive	Charred	1	<0.1	N/A
86534	1968	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	2	<0.1	N/A
86534	1968	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	0.1	N/A
86534	1968	*Pinus*	Pine	Wood	Positive	Charred	2	<0.1	N/A
86534	1968	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
86534	1968	*Pinus edulis*	Piñon	Nutshell	Fairly certain	Charred	0	0	1-10/liter
86534	1968	*Pinus edulis*	Piñon	Wood	Positive	Charred	5	0.2	N/A
86534	1968	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
86534	1968	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	6	0.4	N/A
86534	1975	*Chenopodium*	Goosefoot	Seed	Positive	Charred	2(2)	0	N/A
86534	1975	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1975	*Portulaca*	Purslane	Seed	Positive	Charred	1(1)	0	N/A
86534	1975	*Zea mays*	Maize	Cupule	Positive	Charred	13(2)	0	N/A
86534	1975	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	2	<0.1	N/A
86534	1975	Gymnospermae	Unknown conifer	Wood	Positive	Charred	12	<0.1	N/A
86534	1975	*Pinus*	Pine	Umbo	Positive	Charred	0	0	1-10/liter
86534	1975	*Pinus*	Pine	Wood	Positive	Charred	3	<0.1	N/A
86534	1975	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	<0.1	N/A
86534	1975	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1	N/A
86534	1990	*Chenopodium*	Goosefoot	Seed	Fairly certain	Charred	1(1)	0	N/A
86534	1990	*Chenopodium*	Goosefoot	Seed	Positive	Charred	11(8)	0	N/A
86534	1990	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1990	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Part. Charred	1(1)	0	N/A
86534	1990	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1990	*Oenothera*	Evening primrose	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1990	*Physalis*	Groundcherry	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1990	*Zea mays*	Maize	Cupule	Positive	Charred	18(4)	0	N/A
86534	1990	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	1	<0.1	N/A
86534	1990	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	0.1	N/A
86534	1990	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter

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86534	1990	*Pinus*	Pine	Wood	Positive	Charred	6	0.3	N/A
86534	1990	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
86534	1990	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	8	0.1	N/A
86534	1990	*Quercus*	Oak	Wood	Fairly certain	Charred	1	<0.1	N/A
86534	1992	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1992	*Zea mays*	Maize	Cupule	Positive	Charred	16(4)	0	N/A
86534	1992	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	<0.1	N/A
86534	1992	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
86534	1992	*Pinus*	Pine	Umbo	Positive	Charred	0	0	1-10/liter
86534	1992	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
86534	1992	*Pinus edulis*	Piñon	Nutshell	Fairly certain	Charred	0	0	1-10/liter
86534	1992	*Pinus edulis*	Piñon	Wood	Positive	Charred	7	0.4	N/A
86534	1992	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
86534	1992	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	10	0.2	N/A
86534	1992	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
86534	2142	*Chenopodium*	Goosefoot	Seed	Positive	Charred	8(6)	0	N/A
86534	2142	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	2142	*Nicotiana*	Tobacco	Seed	Positive	Uncharred	0	0	1-10/liter
86534	2142	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
86534	2142	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
86534	2142	*Zea mays*	Maize	Cupule	Positive	Charred	19(2)	0	N/A
86534	2142	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	0.1	N/A
86534	2142	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
86534	2142	*Pinus*	Pine	Wood	Positive	Charred	3	0.1	N/A
86534	2142	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
86534	2142	*Pinus edulis*	Piñon	Nutshell	Positive	Charred	0	0	1-10/liter
86534	2142	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
86534	2142	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	11	0.4	N/A
86534	2142	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
86534	2142	*Quercus*	Oak	Wood	Fairly certain	Charred	1	<0.1	N/A
86534	2172	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	2172	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	2(2)	0	N/A
86534	2172	Compositae	Sunflower family	Achene	Positive	Uncharred	0	0	1-10/liter

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86534	2172	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
86534	2172	*Oenothera*	Evening primrose	Seed	Positive	Uncharred	0	0	1-10/liter
86534	2172	*Zea mays*	Maize	Cupule	Positive	Charred	17(0)	0	N/A
86534	2172	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
86534	2172	Gymnospermae	Unknown conifer	Wood	Positive	Charred	11	0.3	N/A
86534	2172	*Juniperus*	Juniper	Wood	Positive	Charred	3	<0.1	N/A
86534	2172	*Pinus*	Pine	Needle spindle gall	Positive	Uncharred	0	0	1-10/liter
86534	2172	*Pinus*	Pine	Wood	Positive	Charred	4	0.2	N/A
86534	2172	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
86534	2172	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
86534	2172	*Pinus edulis*	Piñon	Nutshell	Fairly certain	Charred	0	0	1-10/liter
86534	2172	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	1	<0.1	N/A
86534	2172	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
86534	2172	*Quercus*	Oak	Wood	Fairly certain	Charred	1	<0.1	N/A
86534	2176	*Amaranthus*	Pigweed	Seed	Positive	Charred	1(1)	0	N/A
86534	2176	*Chenopodium*	Goosefoot	Seed	Positive	Charred	6(3)	0	N/A
86534	2176	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	11-25/liter
86534	2176	*Nicotiana*	Tobacco	Seed	Positive	Uncharred	0	0	1-10/liter
86534	2176	*Portulaca*	Purslane	Seed	Positive	Charred	1(0)	0	N/A
86534	2200	*Atriplex canescens*	Four-wing saltbush	Seed	Positive	Charred	1(1)	0	N/A
86534	2200	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	0.2	N/A
86534	2200	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
86534	2200	*Pinus*	Pine	Umbo	Positive	Charred	0	0	1-10/liter
86534	2200	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
86534	2200	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
86534	2200	*Pinus edulis*	Piñon	Twig	Positive	Charred	0	0	1-10/liter
86534	2200	*Pinus edulis*	Piñon	Wood	Positive	Charred	4	0.2	N/A
86534	2200	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	11-25/liter
86534	2200	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	9	0.4	N/A
86534	2200	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
86534	2200	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1	N/A
86534	2201	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter

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86534	2201	*Zea mays*	Maize	Cupule	Positive	Charred	1(0)	0	N/A
86534	2201	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	1(0)	0	N/A
86534	2201	*Juniperus*	Juniper	Wood	Positive	Charred	5	0.1	N/A
86534	2201	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
86534	2201	*Pinus*	Pine	Wood	Positive	Charred	2	<0.1	N/A
86534	2201	*Pinus edulis*	Piñon	Wood	Positive	Charred	11	0.6	N/A
86534	2201	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
86534	2201	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	2	0.1	N/A
86534	2202	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	2202	*Nicotiana*	Tobacco	Seed	Positive	Part. Charred	1(1)	0	N/A
86534	2202	*Zea mays*	Maize	Kernel	Positive	Charred	1(0)	0	N/A
86534	2202	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	2	<0.1	N/A
86534	2202	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
86534	2202	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
86534	2202	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
86534	2202	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	0.3	N/A
86534	2202	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
86534	2202	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	14	0.2	N/A
86534	2203	*Zea mays*	Maize	Cupule	Positive	Charred	1(0)	0	N/A
86534	2203	*Zea mays*	Maize	Kernel	Resembles taxon	Charred	1(0)	0	N/A
86534	2203	Gymnospermae	Unknown conifer	Wood	Positive	Charred	12	0.1	N/A
86534	2203	*Pinus*	Pine	Wood	Positive	Charred	3	0.2	N/A
86534	2203	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
86534	2203	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
86534	2203	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	5	0.1	N/A
86534	2214	*Chenopodium*	Goosefoot	Seed	Positive	Charred	5(3)	0	N/A
86534	2214	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	2214	*Portulaca*	Purslane	Seed	Positive	Charred	1(1)	0	N/A
86534	2214	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
86534	2214	*Zea mays*	Maize	Cupule	Fairly certain	Charred	1(0)	0	N/A
86534	2214	*Zea mays*	Maize	Cupule	Positive	Charred	20(1)	0	N/A
86534	2214	*Zea mays*	Maize	Kernel	Fairly certain	Charred	2(0)	0	N/A
86534	2214	*Atriplex canescens*	Four-wing saltbush	Fruit	Positive	Charred	1(0)	0	N/A

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86534	2214	Gymnospermae	Unknown conifer	Wood	Positive	Charred	7	0.1	N/A
86534	2214	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
86534	2214	*Pinus*	Pine	Wood	Positive	Charred	2	<0.1	N/A
86534	2214	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
86534	2214	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
86534	2214	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	11	0.2	N/A
86534	2215	*Amaranthus*	Pigweed	Seed	Positive	Charred	3(1)	0	N/A
86534	2215	*Chenopodium*	Goosefoot	Seed	Positive	Charred	14(10)	0	N/A
86534	2215	*Chenopodium*	Goosefoot	Seed	Positive	Part. Charred	1(1)	0	N/A
86534	2215	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	4(3)	0	N/A
86534	2215	*Nicotiana*	Tobacco	Seed	Positive	Uncharred	0	0	1-10/liter
86534	2215	*Portulaca*	Purslane	Seed	Positive	Charred	1(1)	0	N/A
86534	2215	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
86534	2215	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
86534	2215	Labiatae	Mint family	Seed	Fairly certain	Charred	1(1)	0	N/A
86534	2215	*Zea mays*	Maize	Cupule	Positive	Charred	20(1)	0	N/A
86534	2215	*Zea mays*	Maize	Kernel	Fairly certain	Charred	1(0)	0	N/A
86534	2215	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
86534	2215	*Atriplex canescens*	Four-wing saltbush	Fruit	Positive	Charred	1(1)	0	N/A
86534	2215	Gymnospermae	Unknown conifer	Wood	Positive	Charred	9	0.3	N/A
86534	2215	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
86534	2215	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
86534	2215	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
86534	2215	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N/A
86534	2215	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
86534	2215	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	9	0.4	N/A
86534	2216	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
86534	2216	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	1(0)	0	N/A
86534	2216	Gymnospermae	Unknown conifer	Wood	Positive	Charred	7	0.1	N/A
86534	2216	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
86534	2216	*Pinus edulis*	Piñon	Wood	Positive	Charred	5	0.3	N/A
86534	2216	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
86534	2216	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	8	0.3	N/A

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86534	2217	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
86534	2217	*Juniperus*	Juniper	Wood	Positive	Charred	1	0.1	N/A
86534	2217	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
86534	2217	*Pinus*	Pine	Wood	Positive	Charred	6	0.2	N/A
86534	2217	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	<0.1	N/A
86534	2217	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	9	0.3	N/A
86534	2217	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	1(0)	0	N/A
86534	2223	*Chenopodium*	Goosefoot	Seed	Positive	Charred	2(2)	0	N/A
86534	2223	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	0.1	N/A
86534	2223	*Juniperus*	Juniper	Wood	Positive	Charred	3	0.1	N/A
86534	2223	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
86534	2223	*Pinus*	Pine	Wood	Positive	Charred	9	0.2	N/A
86534	2223	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N/A
86534	2223	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
86534	2223	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	2	0.1	N/A
86534	2223	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	3(0)	0	N/A
86534	2223	*Zea mays*	Maize	Cupule	Positive	Charred	1(0)	0	N/A
86534	2226	*Chenopodium*	Goosefoot	Seed	Positive	Charred	42(34)	0	N/A
86534	2226	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
86534	2226	Gymnospermae	Unknown conifer	Wood	Positive	Charred	11	0.1	N/A
86534	2226	*Pinus*	Pine	Wood	Positive	Charred	3	<0.1	N/A
86534	2226	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	0.1	N/A
86534	2226	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
86534	2226	*Portulaca*	Purslane	Seed	Positive	Charred	2(1)	0	N/A
86534	2226	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
86534	2226	Unknown # 1	Unknown # 1	Unknown	Positive	Charred	1(0)	0	N/A
86534	2226	*Zea mays*	Maize	Cupule	Positive	Charred	9(0)	0	N/A
86534	2234	*Atriplex canescens*	Four-wing saltbush	Fruit	Positive	Charred	1(0)	0	N/A
86534	2234	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	1	<0.1	N/A
86534	2234	*Chenopodium*	Goosefoot	Seed	Positive	Charred	3(1)	0	N/A
86534	2234	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	0.1	N/A
86534	2234	*Nicotiana*	Tobacco	Seed	Positive	Uncharred	0	0	1-10/liter
86534	2234	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
86534	2234	*Pinus*	Pine	Wood	Positive	Charred	6	<0.1	N/A
86534	2234	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
86534	2234	*Pinus edulis*	Piñon	Nutshell	Fairly certain	Charred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
86534	2234	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
86534	2234	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	8	0.2	N/A
86534	2234	*Quercus*	Oak	Wood	Positive	Charred	3	<0.1	N/A
86534	2234	Unknown # 1	Unknown # 1	Unknown	Positive	Part. Charred	1(0)	0	N/A
86534	2234	*Zea mays*	Maize	Cupule	Positive	Charred	31(2)	0	N/A
86534	2234	*Zea mays*	Maize	Kernel	Fairly certain	Charred	3(0)	0	N/A
135290	985	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1067	*Amsinckia*	Fiddlehead	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1067	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	25-100/liter
135290	1067	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	<0.1	N/A
135290	1067	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1067	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	1067	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
135290	1067	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
135290	1067	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
135290	1067	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	<0.1	N/A
135290	1067	*Quercus*	Oak	Wood	Fairly certain	Charred	1	0.1	N/A
135290	1067	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
135290	1067	*Zea mays*	Maize	Cupule	Resembles taxon	Charred	2(0)	0	N/A
135290	1083	*Atriplex/ Sarcobatus*	Saltbush/greasewood	Wood	Positive	Charred	2	0.1	N/A
135290	1083	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1083	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	1083	*Pinus*	Pine	Wood	Positive	Charred	4	<0.1	N/A
135290	1096	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1096	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
135290	1096	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
135290	1096	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	3(0)	0	N/A
135290	1096	*Zea mays*	Maize	Cupule	Fairly certain	Charred	1(0)	0	N/A
135290	1098	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	25-100/liter
135290	1098	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	1(1)	0	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135290	1098	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	1098	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
135290	1098	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	2	<0.1	N/A
135290	1098	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
135290	1098	*Zea mays*	Maize	Cupule	Resembles taxon	Charred	1(0)	0	N/A
135290	1131	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1131	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
135290	1131	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
135290	1131	*Pinus edulis*	Piñon	Wood	Fairly certain	Charred	4	0.1	N/A
135290	1131	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	5	0.2	N/A
135290	1131	*Zea mays*	Maize	Cupule	Positive	Charred	2(1)	0	N/A
135290	1131	*Zea mays*	Maize	Kernel	Fairly certain	Charred	7(0)	0	N/A
135290	1163	*Chenopodium*	Goosefoot	Seed	Positive	Charred	4(4)	0	N/A
135290	1163	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1163	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	1(0)	0	N/A
135290	1163	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	<0.1	N/A
135290	1163	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	1163	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
135290	1163	*Pinus edulis*	Piñon	Wood	Positive	Charred	7	0.5	N/A
135290	1163	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
135290	1163	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	4	0.1	N/A
135290	1163	*Zea mays*	Maize	Cupule	Positive	Charred	3(0)	0	N/A
135290	1163	*Zea mays*	Maize	Kernel	Fairly certain	Charred	1(0)	0	N/A
135290	1179	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(0)	0	N/A
135290	1179	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	1(0)	0	N/A
135290	1179	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
135290	1179	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
135290	1179	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly	Charred	4	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
					certain				
135290	1179	*Zea mays*	Maize	Cupule	Positive	Charred	1(1)	0	N/A
135290	1271	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1271	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	1271	*Lappula*	Stickseed	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1271	*Pinus*	Pine	Bark scale	Positive	Uncharred	0	0	1-10/liter
135290	1271	*Pinus*	Pine	Female cone	Positive	Uncharred	0	0	1-10/liter
135290	1271	*Pinus*	Pine	Male cone	Positive	Uncharred	0	0	1-10/liter
135290	1271	*Pinus*	Pine	Needle spindle gall	Positive	Uncharred	0	0	1-10/liter
135290	1271	*Pinus*	Pine	Twig	Positive	Uncharred	0	0	25-100/liter
135290	1271	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	11-25/liter
135290	1271	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	>100/liter
135290	1271	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
135290	1271	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	<0.1	N/A
135290	1271	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	11-25/liter
135290	1271	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	1	<0.1	N/A
135290	1271	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	<0.1	N/A
135290	1271	Portulacaceae	Purslane family	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1271	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	5(0)	0	N/A
135290	1271	*Zea mays*	Maize	Cupule	Fairly certain	Charred	1(0)	0	N/A
135290	1277	*Atriplex/ Sarcobatus*	Saltbush/greasewood	Wood	Positive	Charred	1	<0.1	N/A
135290	1277	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
135290	1277	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N/A
135290	1277	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	4	0.1	N/A
135290	1277	*Quercus*	Oak	Wood	Positive	Charred	2	<0.1	N/A
135290	1277	*Zea mays*	Maize	Cupule	Positive	Charred	12(1)	0	N/A
135290	1277	*Zea mays*	Maize	Embryo	Positive	Charred	1(1)	0	N/A
135290	1277	*Zea mays*	Maize	Glume	Positive	Charred	14(14)	0	N/A
135290	1302	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	11-25/liter
135290	1302	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135290	1302	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
135290	1302	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	2(0)	0	N/A
135290	1329	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1329	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
135290	1329	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
135290	1329	*Pinus edulis*	Piñon	Wood	Fairly certain	Charred	1	<0.1	N/A
135290	1329	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
135290	1329	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	1	<0.1	N/A
135290	1329	*Zea mays*	Maize	Cupule	Positive	Charred	5(1)	0	N/A
135290	1329	*Zea mays*	Maize	Glume	Positive	Charred	1(1)	0	N/A
135290	1329	*Zea mays*	Maize	Kernel	Positive	Charred	8(1)	0	N/A
135290	1417	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1417	*Juniperus*	Juniper	Wood	Fairly certain	Charred	1	<0.1	N/A
135290	1417	*Physalis*	Groundcherry	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1417	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
135290	1417	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
135290	1417	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	1	<0.1	N/A
135290	1417	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
135290	1417	*Zea mays*	Maize	Cupule	Positive	Charred	2(0)	0	N/A
135290	1417	*Zea mays*	Maize	Kernel	Fairly certain	Charred	3(0)	0	N/A
135290	1430	*Chenopodium*	Goosefoot	Seed	Positive	Charred	7(3)	0	N/A
135290	1430	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	11-25/liter
135290	1430	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	<0.1	N/A
135290	1430	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	1430	*Physalis*	Groundcherry	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1430	*Pinus*	Pine	Wood	Positive	Charred	2	<0.1	N/A
135290	1430	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
135290	1430	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	11-25/liter
135290	1430	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	<0.1	N/A
135290	1430	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	11	0.2	N/A
135290	1430	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
135290	1430	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135290	1430	*Quercus*	Oak	Wood	Positive	Charred	2	0.1	N/A
135290	1430	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
135290	1430	*Zea mays*	Maize	Cupule	Positive	Charred	8(2)	0	N/A
135290	1430	*Zea mays*	Maize	Cupule segment	Positive	Charred	1(1)	0	N/A
135290	1430	*Zea mays*	Maize	Kernel	Positive	Charred	2(0)	0	N/A
135290	1458	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1458	*Echinocereus*	Hedgehog cactus	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1458	*Juniperus*	Juniper	Female cone	Positive	Uncharred	0	0	1-10/liter
135290	1458	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
135290	1458	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
135290	1458	*Zea mays*	Maize	Cupule	Fairly certain	Charred	2(0)	0	N/A
135290	1458	*Zea mays*	Maize	Kernel	Positive	Charred	1(0)	0	N/A
135290	1589	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1589	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
135290	1589	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	2	0.1	N/A
135290	1589	*Pseudotsuga menziesii*	Douglas fir	Wood	Resembles taxon	Charred	9	0.5	N/A
135290	1589	*Quercus*	Oak	Wood	Positive	Charred	9	0.5	N/A
135290	1589	*Zea mays*	Maize	Cupule	Positive	Charred	2(1)	0	N/A
135290	1705	*Chenopodium*	Goosefoot	Seed	Positive	Charred	9(5)	0	N/A
135290	1705	*Chenopodium*	Goosefoot	Seed	Positive	Partially Charred	1(1)	0	N/A
135290	1705	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1705	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	14(14)	0	N/A
135290	1705	*Cucurbita*	Squash/coyote gourd	Rind	Positive	Charred	0	0	1-10/liter
135290	1705	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	0.1	N/A
135290	1705	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1705	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	1705	*Juniperus*	Juniper	Wood	Positive	Charred	4	0.5	N/A
135290	1705	*Mammillaria*	Pincushion cactus	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1705	*Phaseolus*	Bean	Cotyledon	Resembles taxon	Charred	3(0)	0	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135290	1705	*Physalis*	Groundcherry	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1705	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
135290	1705	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	11	0.3	N/A
135290	1705	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
135290	1705	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	<0.1	N/A
135290	1705	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	1(0)	0	N/A
135290	1705	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1	N/A
135290	1705	*Zea mays*	Maize	Cupule	Positive	Charred	9(0)	0	N/A
135290	1705	*Zea mays*	Maize	Embryo	Positive	Charred	1(1)	0	N/A
135290	1705	*Zea mays*	Maize	Glume	Positive	Charred	1(1)	0	N/A
135290	1705	*Zea mays*	Maize	Kernel	Positive	Charred	1(1)	0	N/A
135290	1720	*Amaranthus*	Pigweed	Seed	Positive	Charred	1(1)	0	N/A
135290	1720	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1720	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	1(0)	0	N/A
135290	1720	Gramineae	Grass family	Culm	Positive	Charred	0	0	1-10/liter
135290	1720	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
135290	1720	*Pinus ponderosa*	Ponderosa pine	Bark scale	Positive	Uncharred	0	0	1-10/liter
135290	1720	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	1(1)	0	N/A
135290	1720	*Zea mays*	Maize	Cupule	Fairly certain	Charred	2(0)	0	N/A
135290	1720	*Zea mays*	Maize	Kernel	Fairly certain	Charred	2(0)	0	N/A
135290	1758	*Amaranthus*	Pigweed	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1758	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1758	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	3(3)	0	N/A
135290135290	1758	Gramineae	Grass family	Caryopsis	Positive	Charred	1(1)	0	N/A
135290	1758	*Juniperus*	Juniper	Female cone	Positive	Charred	1(1)	0	N/A
135290	1758	*Juniperus*	Juniper	Seed	Positive	Charred	3(1)	0	N/A
135290	1758	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	1758	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
135290	1758	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
135290	1758	*Pinus edulis*	Piñon	Wood	Positive	Charred	5	0.7	N/A
135290	1758	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	15	1.1	N/A
135290	1758	*Portulaca*	Purslane	Seed	Positive	Charred	1(1)	0	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135290	1758	*Zea mays*	Maize	Cupule	Positive	Charred	48(20)	0	N/A
135290	1758	*Zea mays*	Maize	Cupule segment	Positive	Charred	1(1)	0	N/A
135290	1758	*Zea mays*	Maize	Kernel	Fairly certain	Charred	2(0)	0	N/A
135290	1758	*Zea mays*	Maize	Kernel	Fairly certain	Partially Charred	1(1)	0	N/A
135290	1797	*Amaranthus*	Pigweed	Seed	Positive	Charred	1(1)	0	N/A
135290	1797	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1797	Compositae	Sunflower family	Achene	Positive	Uncharred	0	0	1-10/liter
135290	1797	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	0.3	N/A
135290	1797	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	1797	*Pinus*	Pine	Wood	Positive	Charred	2	0.2	N/A
135290	1797	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
135290	1797	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
135290	1797	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	0.1	N/A
135290	1797	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	11	0.6	N/A
135290	1797	Portulacaceae	Purslane family	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1797	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	3(0)	0	N/A
135290	1797	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	2	<0.1	N/A
135290	1797	*Zea mays*	Maize	Cupule	Positive	Charred	3(0)	0	N/A
135290	1797	*Zea mays*	Maize	Glume	Positive	Charred	1(1)	0	N/A
135290	1837	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(0)	0	N/A
135290	1837	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	1(1)	0	N/A
135290	1837	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1837	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	1837	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
135290	1837	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
135290	1837	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
135290	1837	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	7	0.1	N/A
135290	1837	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1837	*Zea mays*	Maize	Cupule	Positive	Charred	7(1)	0	N/A
135290	1837	*Zea mays*	Maize	Kernel	Positive	Charred	7(2)	0	N/A
135290	1851	*Amaranthus*	Pigweed	Seed	Positive	Charred	2(1)	0	N/A
135290	1851	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	1(1)	0	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135290	1851	*Juniperus*	Juniper	Seed	Fairly certain	Charred	2(0)	0	N/A
135290	1851	*Juniperus*	Juniper	Wood	Fairly certain	Charred	1	<0.1	N/A
135290	1851	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	<0.1	N/A
135290	1851	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1871	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	1871	*Juniperus*	Juniper	Wood	Positive	Charred	13	0.6	N/A
135290	1871	*Pinus*	Pine	Wood	Positive	Charred	7	0.1	N/A
135290	1871	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
135290	1871	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
135290	1871	*Zea mays*	Maize	Cupule	Positive	Charred	1(1)	0	N/A
135290	1878	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
135290	1890	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1890	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	22(22)	0	N/A
135290	1890	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	1890	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
135290	1890	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Charred	4(4)	0	N/A
135290	1890	Unidentifiable	Unidentifiable	Embryo	Positive	Charred	1(1)	0	N/A
135290	1890	Unidentifiable	Unidentifiable	Seed	Positive	Charred	2(0)	0	N/A
135290	1896	*Amaranthus*	Pigweed	Seed	Positive	Charred	1(1)	0	N/A
135290	1896	*Chenopodium*	Goosefoot	Seed	Positive	Charred	2(2)	0	N/A
135290	1896	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1896	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1896	*Juniperus*	Juniper	Twig	Positive	Charred	0	0	1-10/liter
135290	1896	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	1896	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
135290	1896	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
135290	1896	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
135290	1896	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
135290	1896	*Pinus edulis*	Piñon	Wood	Positive	Charred	4	0.1	N/A
135290	1896	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	6	0.2	N/A
135290	1896	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
135290	1896	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1896	*Quercus*	Oak	Wood	Positive	Charred	1	0	N/A
135290	1896	*Zea mays*	Maize	Cupule	Positive	Charred	3(0)	0	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135290	1896	*Zea mays*	Maize	Kernel	Fairly certain	Charred	1(0)	0	N/A
135290	1897	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
135290	1897	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1897	*Cleome*	Beeweed	Embryo	Fairly certain	Charred	1(1)	0	N/A
135290	1897	Gramineae	Grass family	Caryopsis	Positive	Uncharred	0	0	1-10/liter
135290	1897	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
135290	1897	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	1897	*Phaseolus*	Bean	Cotyledon	Fairly certain	Charred	5(0)	0	N/A
135290	1897	*Physalis*	Groundcherry	Embryo	Positive	Uncharred	0	0	1-10/liter
135290	1897	*Pinus*	Pine	Umbo	Positive	Charred	0	0	1-10/liter
135290	1897	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
135290	1897	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
135290	1897	*Pinus edulis*	Piñon	Nutshell	Fairly certain	Charred	0	0	1-10/liter
135290	1897	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
135290	1897	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	7	0.5	N/A
135290	1897	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	5	<0.1	N/A
135290	1897	*Portulaca*	Purslane	Seed	Positive	Charred	1(1)	0	N/A
135290	1897	*Quercus*	Oak	Wood	Positive	Charred	5	0.3	N/A
135290	1897	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	5(0)	0	N/A
135290	1897	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1	N/A
135290	1897	*Zea mays*	Maize	Cupule	Positive	Charred	23(3)	0	N/A
135290	1897	*Zea mays*	Maize	Glume	Positive	Charred	1(1)	0	N/A
135290	1898	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1898	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	0.2	N/A
135290	1898	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	1898	*Juniperus*	Juniper	Wood	Positive	Charred	1	0.1	N/A
135290	1898	*Lappula*	Stickseed	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1898	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
135290	1898	*Pinus edulis*	Piñon	Wood	Positive	Charred	7	0.7	N/A
135290	1898	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
135290	1898	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	6	0.4	N/A
135290	1898	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135290	1898	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	2	0.2	N/A
135290	1898	*Portulaca*	Purslane	Seed	Positive	Charred	1(1)	0	N/A
135290	1898	*Quercus*	Oak	Wood	Positive	Charred	2	<0.1	N/A
135290	1898	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	5(0)	0	N/A
135290	1898	*Zea mays*	Maize	Cob	Positive	Charred	1(0)	0	N/A
135290	1898	*Zea mays*	Maize	Cupule	Positive	Charred	36(12)	0	N/A
135290	1898	*Zea mays*	Maize	Cupule segment	Positive	Charred	1(1)	0	N/A
135290	1999	*Chenopodium*	Goosefoot	Seed	Positive	Charred	2(2)	0	N/A
135290	1999	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	1999	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	1(1)	0	N/A
135290	1999	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	1999	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
135290	1999	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
135290	1999	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
135290	1999	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	3	<0.1	N/A
135290	1999	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	2(0)	0	N/A
135290	1999	*Zea mays*	Maize	Cupule	Positive	Charred	1(0)	0	N/A
135290	2023	*Amaranthus*	Pigweed	Seed	Positive	Charred	3(2)	0	N/A
135290	2023	*Chenopodium*	Goosefoot	Seed	Positive	Charred	11(11)	0	N/A
135290	2023	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2023	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	6(3)	0	N/A
135290	2023	Compositae	Sunflower family	Achene	Fairly certain	Charred	23(23)	0	N/A
135290	2023	Gramineae	Grass family	Caryopsis	Positive	Charred	1(1)	0	N/A
135290	2023	Gramineae	Grass family	Culm	Positive	Charred	0	0	1-10/liter
135290	2023	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	0.2	N/A
135290	2023	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	17	0.5	N/A
135290	2023	Polygonaceae	Knotweed family	Seed	Positive	Charred	1(1)	0	N/A
135290	2023	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Charred	27(27)	0	N/A
135290	2023	Unknown # 1	Unknown # 1	Seed	Positive	Charred	1(1)	0	N/A
135290	2023	*Zea mays*	Maize	Glume	Positive	Charred	1(1)	0	N/A
135290	2023	*Zea mays*	Maize	Kernel	Fairly certain	Charred	4(0)	0	N/A
135290	2027	*Amaranthus*	Pigweed	Seed	Positive	Charred	1(1)	0	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135290	2027	*Atriplex/ Sarcobatus*	Saltbush/greasewood	Wood	Positive	Charred	1	<0.1	N/A
135290	2027	*Chenopodium*	Goosefoot	Seed	Positive	Charred	28(23)	0	N/A
135290	2027	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	12(12)	0	N/A
135290	2027	Compositae	Sunflower family	Achene	Fairly certain	Charred	5(5)	0	N/A
135290	2027	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	<0.1	N/A
135290	2027	Labiatae	Mint family	Seed	Positive	Charred	1(1)	0	N/A
135290	2027	*Mammillaria*	Pincushion cactus	Seed	Positive	Charred	1(1)	0	N/A
135290	2027	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	13	0.2	N/A
135290	2027	*Portulaca*	Purslane	Seed	Positive	Charred	6(5)	0	N/A
135290	2027	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Charred	3(3)	0	N/A
135290	2027	Unidentifiable	Unidentifiable	Seed	Positive	Charred	3(3)	0	N/A
135290	2027	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	17(0)	0	N/A
135290	2027	Unknown # 2	Unknown # 2	Seed	Positive	Charred	2(1)	0	N/A
135290	2027	*Zea mays*	Maize	Cupule	Positive	Charred	5(0)	0	N/A
135290	2027	*Zea mays*	Maize	Kernel	Resembles taxon	Charred	1(0)	0	N/A
135290	2034	*Chenopodium*	Goosefoot	Seed	Positive	Charred	8(7)	0	N/A
135290	2034	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2034	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	1(1)	0	N/A
135290	2034	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	0.3	N/A
135290	2034	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2034	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	2034	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
135290	2034	*Lappula*	Stickseed	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2034	*Physalis*	Groundcherry	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2034	*Pinus*	Pine	Wood	Positive	Charred	4	0.2	N/A
135290	2034	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
135290	2034	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
135290	2034	*Pinus edulis*	Piñon	Wood	Positive	Charred	5	0.2	N/A
135290	2034	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
135290	2034	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	5	<0.1	N/A
135290	2034	*Plantago*	Plantain	Seed	Positive	Charred	1(1)	0	N/A
135290	2034	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135290	2034	*Portulaca*	Purslane	Seed	Positive	Charred	1(1)	0	N/A
135290	2034	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2034	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
135290	2034	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Charred	1(1)	0	N/A
135290	2034	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
135290	2034	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	0.1	N/A
135290	2034	*Zea mays*	Maize	Cupule	Positive	Charred	22(4)	0	N/A
135290	2034	*Zea mays*	Maize	Cupule segment	Positive	Charred	1(1)	0	N/A
135290	2034	*Zea mays*	Maize	Kernel	Fairly certain	Charred	1(0)	0	N/A
135290	2057	*Amaranthus*	Pigweed	Seed	Positive	Charred	3(3)	0	N/A
135290	2057	*Atriplex/ Sarcobatus*	Saltbush/greasewood	Wood	Positive	Charred	1	0.1	N/A
135290	2057	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	1	<0.1	N/A
135290	2057	*Chenopodium*	Goosefoot	Seed	Positive	Charred	5(4)	0	N/A
135290	2057	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	3(2)	0	N/A
135290	2057	*Cucurbita*	Squash/coyote gourd	Rind	Fairly certain	Charred	0	0	1-10/liter
135290	2057	*Juniperus*	Juniper	Twigscale	Positive	Charred	0	0	1-10/liter
135290	2057	*Mammillaria*	Pincushion cactus	Seed	Positive	Charred	1(1)	0	N/A
135290	2057	*Pinus*	Pine	Wood	Positive	Charred	2	0.1	N/A
135290	2057	*Pinus edulis*	Piñon	Wood	Positive	Charred	6	0.6	N/A
135290	2057	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
135290	2057	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	4	0.3	N/A
135290	2057	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	4	0.1	N/A
135290	2057	*Portulaca*	Purslane	Seed	Positive	Charred	2(2)	0	N/A
135290	2057	*Quercus*	Oak	Wood	Positive	Charred	2	<0.1	N/A
135290	2057	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Charred	8(8)	0	N/A
135290	2057	*Zea mays*	Maize	Cupule	Positive	Charred	1(1)	0	N/A
135290	2057	*Zea mays*	Maize	Embryo	Positive	Charred	1(0)	0	N/A
135290	2057	*Zea mays*	Maize	Glume	Positive	Charred	3(3)	0	N/A
135290	2069	*Amaranthus*	Pigweed	Seed	Positive	Charred	7(7)	0	N/A
135290	2069	*Amaranthus*	Pigweed	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2069	*Atriplex/ Sarcobatus*	Saltbush/greasewood	Wood	Positive	Charred	3	0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135290	2069	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(0)	0	N/A
135290	2069	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2069	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	13(12)	0	N/A
135290	2069	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	0.1	N/A
135290	2069	Labiatae	Mint family	Seed	Positive	Charred	2(0)	0	N/A
135290	2069	*Phaseolus*	Bean	Cotyledon	Fairly certain	Charred	4(0)	0	N/A
135290	2069	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
135290	2069	*Pinus*	Pine	Umbo	Positive	Charred	0	0	1-10/liter
135290	2069	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
135290	2069	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
135290	2069	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	0.1	N/A
135290	2069	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
135290	2069	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	13	0.3	N/A
135290	2069	*Portulaca*	Purslane	Seed	Positive	Charred	1(1)	0	N/A
135290	2069	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2069	*Zea mays*	Maize	Cupule	Positive	Charred	20(5)	0	N/A
135290	2069	*Zea mays*	Maize	Glume	Positive	Charred	1(1)	0	N/A
135290	2069	*Zea mays*	Maize	Kernel	Positive	Charred	6(0)	0	N/A
135290	2070	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2070	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
135290	2070	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
135290	2070	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	<0.1	N/A
135290	2070	*Zea mays*	Maize	Cupule	Positive	Charred	3(0)	0	N/A
135290	2083	*Amaranthus*	Pigweed	Seed	Positive	Charred	3(3)	0	N/A
135290	2083	*Amaranthus*	Pigweed	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2083	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	1	<0.1	N/A
135290	2083	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
135290	2083	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2083	Gramineae	Grass family	Caryopsis	Positive	Uncharred	0	0	1-10/liter
135290	2083	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	<0.1	N/A
135290	2083	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2083	Labiatae	Mint family	Seed	Positive	Charred	2(1)	0	N/A
135290	2083	*Lappula*	Stickseed	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2083	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
135290	2083	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135290	2083	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	0.2	N/A
135290	2083	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
135290	2083	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	12	0.7	N/A
135290	2083	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
135290	2083	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2083	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
135290	2083	*Zea mays*	Maize	Cupule	Positive	Charred	22(5)	0	N/A
135290	2083	*Zea mays*	Maize	Cupule segment	Positive	Charred	2(2)	0	N/A
135290	2083	*Zea mays*	Maize	Kernel	Positive	Charred	12(2)	0	N/A
135290	2099	*Amaranthus*	Pigweed	Seed	Positive	Charred	2(2)	0	N/A
135290	2099	*Amaranthus*	Pigweed	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2099	*Atriplex/ Sarcobatus*	Saltbush/greasewood	Wood	Positive	Charred	1	<0.1	N/A
135290	2099	*Chenopodium*	Goosefoot	Seed	Positive	Charred	5(4)	0	N/A
135290	2099	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2099	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	2(2)	0	N/A
135290	2099	Gramineae	Grass family	Caryopsis	Positive	Uncharred	0	0	1-10/liter
135290	2099	Gramineae	Grass family	Culm	Positive	Charred	0	0	1-10/liter
135290	2099	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
135290	2099	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2099	Labiatae	Mint family	Seed	Positive	Charred	1(1)	0	N/A
135290	2099	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
135290	2099	*Pinus*	Pine	Umbo	Positive	Charred	0	0	1-10/liter
135290	2099	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
135290	2099	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
135290	2099	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
135290	2099	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	0.2	N/A
135290	2099	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
135290	2099	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	10	0.7	N/A
135290	2099	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	2	<0.1	N/A
135290	2099	*Portulaca*	Purslane	Seed	Positive	Charred	4(4)	0	N/A
135290	2099	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2099	*Quercus*	Oak	Wood	Positive	Charred	2	0.1	N/A
135290	2099	*Zea mays*	Maize	Cob	Positive	Charred	1(0)	0	N/A
135290	2099	*Zea mays*	Maize	Cupule	Positive	Charred	96(57)	0	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135290	2099	*Zea mays*	Maize	Cupule segment	Positive	Charred	18(18)	0	N/A
135290	2099	*Zea mays*	Maize	Embryo	Positive	Charred	2(2)	0	N/A
135290	2099	*Zea mays*	Maize	Kernel	Positive	Charred	9(1)	0	N/A
135290	2099	*Zea mays*	Maize	Shank	Fairly certain	Charred	0	0	1-10/liter
135290	2133	*Amaranthus*	Pigweed	Seed	Positive	Charred	1(1)	0	N/A
135290	2133	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
135290	2133	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2133	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	1(1)	0	N/A
135290	2133	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	0.1	N/A
135290	2133	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2133	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	2133	Labiatae	Mint family	Seed	Positive	Charred	1(1)	0	N/A
135290	2133	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
135290	2133	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
135290	2133	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	7	0.2	N/A
135290	2133	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
135290	2133	*Zea mays*	Maize	Cupule	Positive	Charred	3(0)	0	N/A
135290	2138	*Amaranthus*	Pigweed	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2138	*Atriplex/ Sarcobatus*	Saltbush/greasewood	Wood	Positive	Charred	1	<0.1	N/A
135290	2138	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	2	<0.1	N/A
135290	2138	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2138	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	2(2)	0	N/A
135290	2138	Compositae	Sunflower family	Achene	Positive	Uncharred	0	0	1-10/liter
135290	2138	Gramineae	Grass family	Caryopsis	Positive	Uncharred	0	0	1-10/liter
135290	2138	Gramineae	Grass family	Culm	Fairly certain	Charred	0	0	1-10/liter
135290	2138	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	0.1	N/A
135290	2138	*Juniperus*	Juniper	Female cone	Positive	Uncharred	0	0	1-10/liter
135290	2138	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2138	*Juniperus*	Juniper	Twig	Positive	Charred	0	0	1-10/liter
135290	2138	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135290	2138	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
135290	2138	Labiatae	Mint family	Seed	Positive	Charred	2(2)	0	N/A
135290	2138	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
135290	2138	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
135290	2138	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
135290	2138	*Pinus edulis*	Piñon	Wood	Positive	Charred	5	0.3	N/A
135290	2138	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
135290	2138	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	5	0.1	N/A
135290	2138	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
135290	2138	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	3	<0.1	N/A
135290	2138	*Portulaca*	Purslane	Seed	Positive	Charred	2(2)	0	N/A
135290	2138	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
135290	2138	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
135290	2138	Unidentifiable	Unidentifiable	Seed	Positive	Charred	1(0)	0	N/A
135290	2138	*Zea mays*	Maize	Cupule	Positive	Charred	40(18)	0	N/A
135290	2138	*Zea mays*	Maize	Cupule segment	Positive	Charred	3(3)	0	N/A
135290	2138	*Zea mays*	Maize	Glume	Positive	Charred	1(1)	0	N/A
135290	2138	*Zea mays*	Maize	Kernel	Positive	Charred	6(0)	0	N/A
135290	2150	*Atriplex/ Sarcobatus*	Saltbush/greasewood	Wood	Positive	Charred	1	<0.1	N/A
135290	2150	*Chenopodium*	Goosefoot	Seed	Positive	Charred	5(4)	0	N/A
135290	2150	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
135290	2150	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	2150	Labiatae	Mint family	Seed	Positive	Charred	1(1)	0	N/A
135290	2150	*Pinus*	Pine	Wood	Positive	Charred	5	0.5	N/A
135290	2150	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
135290	2150	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	0.6	N/A
135290	2150	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	9	0.7	N/A
135290	2150	Portulaca	Purslane	Seed	Positive	Charred	2(2)	0	N/A
135290	2150	Unidentifiable	Unidentifiable	Seed	Positive	Charred	1(0)	0	N/A
135290	2150	*Zea mays*	Maize	Cupule	Positive	Charred	3(0)	0	N/A
135290	2150	*Zea mays*	Maize	Kernel	Positive	Charred	2(1)	0	N/A
135290	2188	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2188	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
135290	2188	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	2188	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135290	2188	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
135290	2188	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	<0.1	N/A
135290	2219	*Amaranthus*	Pigweed	Seed	Positive	Charred	1(1)	0	N/A
135290	2219	*Chenopodium*	Goosefoot	Seed	Positive	Charred	2(2)	0	N/A
135290	2219	Gramineae	Grass family	Culm	Fairly certain	Charred	0	0	1-10/liter
135290	2219	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
135290	2219	Labiatae	Mint family	Seed	Fairly certain	Partially Charred	1(1)	0	N/A
135290	2219	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
135290	2219	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	5	<0.1	N/A
135290	2219	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	1(0)	0	N/A
135290	2232	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2232	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
135290	2232	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	2232	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
135290	2232	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
135290	2232	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
135290	2232	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
135290	2253	*Chenopodium*	Goosefoot	Seed	Positive	Charred	4(4)	0	N/A
135290	2253	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2253	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	3(2)	0	N/A
135290	2253	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
135290	2253	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2253	*Juniperus*	Juniper	Twig	Positive	Charred	0	0	1-10/liter
135290	2253	*Lappula*	Stickseed	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2253	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
135290	2253	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
135290	2253	*Pinus edulis*	Piñon	Wood	Positive	Charred	6	0.1	N/A
135290	2253	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
135290	2253	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	10	0.2	N/A
135290	2253	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
135290	2253	*Portulaca*	Purslane	Seed	Positive	Charred	1(1)	0	N/A
135290	2253	Portulacaceae	Purslane family	Seed	Positive	Charred	1(1)	0	N/A
135290	2253	*Quercus*	Oak	Wood	Positive	Charred	2	<0.1	N/A
135290	2253	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135290	2253	*Zea mays*	Maize	Cupule	Positive	Charred	8(3)	0	N/A
135290	2253	*Zea mays*	Maize	Kernel	Fairly certain	Charred	3(0)	0	N/A
135290	2254	*Chenopodium*	Goosefoot	Seed	Positive	Charred	4(3)	0	N/A
135290	2254	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2254	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	2(2)	0	N/A
135290	2254	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	0.3	N/A
135290	2254	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2254	*Juniperus*	Juniper	Wood	Positive	Charred	2	0.2	N/A
135290	2254	Labiatae	Mint family	Seed	Positive	Charred	1(1)	0	N/A
135290	2254	*Nicotiana*	Tobacco	Seed	Positive	Charred	2(2)	0	N/A
135290	2254	*Physalis*	Groundcherry	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2254	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
135290	2254	*Pinus*	Pine	Wood	Positive	Charred	4	0.3	N/A
135290	2254	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
135290	2254	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
135290	2254	*Pinus edulis*	Piñon	Wood	Positive	Charred	9	0.4	N/A
135290	2254	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
135290	2254	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	1	<0.1	N/A
135290	2254	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
135290	2254	*Portulaca*	Purslane	Seed	Positive	Charred	2(2)	0	N/A
135290	2254	*Zea mays*	Maize	Cupule	Positive	Charred	9(2)	0	N/A
135290	2254	*Zea mays*	Maize	Kernel	Fairly certain	Charred	1(0)	0	N/A
135290	2255	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2255	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	1(1)	0	N/A
135290	2255	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2255	*Juniperus*	Juniper	Wood	Positive	Charred	2	<0.1	N/A
135290	2255	*Physalis*	Groundcherry	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2255	*Pinus*	Pine	Wood	Positive	Charred	5	0.5	N/A
135290	2255	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
135290	2255	*Pinus edulis*	Piñon	Wood	Positive	Charred	10	0.4	N/A
135290	2255	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
135290	2255	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	3	0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135290	2255	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
135290	2255	*Zea mays*	Maize	Cupule	Positive	Charred	3(0)	0	N/A
135290	2255	*Zea mays*	Maize	Kernel	Fairly certain	Charred	3(0)	0	N/A
135290	2256	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	2	<0.1	N/A
135290	2256	*Chenopodium*	Goosefoot	Seed	Positive	Charred	4(4)	0	N/A
135290	2256	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2256	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	2(1)	0	N/A
135290	2256	Compositae	Sunflower family	Achene	Positive	Uncharred	0	0	1-10/liter
135290	2256	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2256	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
135290	2256	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2256	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	2256	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
135290	2256	Labiatae	Mint family	Seed	Fairly certain	Charred	1(0)	0	N/A
135290	2256	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
135290	2256	*Pinus edulis*	Piñon	Wood	Positive	Charred	8	0.1	N/A
135290	2256	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	7	0.1	N/A
135290	2256	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
135290	2256	*Portulaca*	Purslane	Seed	Positive	Charred	3(3)	0	N/A
135290	2256	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
135290	2256	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Charred	1(1)	0	N/A
135290	2256	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	2(0)	0	N/A
135290	2256	*Zea mays*	Maize	Cupule	Positive	Charred	8(2)	0	N/A
135290	2257	*Chenopodium*	Goosefoot	Seed	Positive	Charred	2(2)	0	N/A
135290	2257	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2257	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2257	Gramineae	Grass family	Caryopsis	Positive	Charred	1(1)	0	N/A
135290	2257	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	0.1	N/A
135290	2257	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2257	*Nicotiana*	Tobacco	Seed	Positive	Charred	1(1)	0	N/A
135290	2257	*Phaseolus*	Bean	Cotyledon	Positive	Charred	1(0)	0	N/A
135290	2257	*Pinus edulis*	Piñon	Wood	Positive	Charred	6	0.3	N/A
135290	2257	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	8	0.1	N/A
135290	2257	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135290	2257	*Portulaca*	Purslane	Seed	Positive	Charred	2(2)	0	N/A
135290	2257	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
135290	2257	*Zea mays*	Maize	Cupule	Positive	Charred	10(5)	0	N/A
135290	2257	*Zea mays*	Maize	Glume	Positive	Charred	5(3)	0	N/A
135290	2257	*Zea mays*	Maize	Kernel	Positive	Charred	6(0)	0	N/A
135290	2258	*Chenopodium*	Goosefoot	Seed	Positive	Charred	3(1)	0	N/A
135290	2258	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2258	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	<0.1	N/A
135290	2258	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2258	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	2258	*Juniperus*	Juniper	Wood	Positive	Charred	4	0.1	N/A
135290	2258	*Pinus*	Pine	Wood	Positive	Charred	3	0.1	N/A
135290	2258	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
135290	2258	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	0.1	N/A
135290	2258	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
135290	2258	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	4	0.6	N/A
135290	2258	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2258	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	<0.1	N/A
135290	2258	*Portulaca*	Purslane	Seed	Positive	Charred	8(8)	0	N/A
135290	2258	*Quercus*	Oak	Wood	Positive	Charred	2	0.1	N/A
135290	2258	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
135290	2258	Unidentifiable	Unidentifiable	Seed	Positive	Charred	2(2)	0	N/A
135290	2258	*Zea mays*	Maize	Cupule	Positive	Charred	35(31)	0	N/A
135290	2258	*Zea mays*	Maize	Glume	Positive	Charred	8(8)	0	N/A
135290	2258	*Zea mays*	Maize	Kernel	Positive	Charred	6(0)	0	N/A
135290	2299	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	25-100/liter
135290	2299	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2299	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	2299	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
135290	2299	*Pinus*	Pine	Wood	Positive	Charred	2	0.1	N/A
135290	2299	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
135290	2299	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
135290	2299	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	2	<0.1	N/A
135290	2299	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
135290	2299	*Zea mays*	Maize	Cupule	Positive	Charred	2(1)	0	N/A
135290	2315	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135290	2315	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	1(1)	0	N/A
135290	2315	*Echinocereus*	Hedgehog cactus	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2315	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
135290	2315	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
135290	2315	*Pinus*	Pine	Wood	Positive	Charred	3	<0.1	N/A
135290	2315	*Zea mays*	Maize	Cupule	Positive	Charred	1(0)	0	N/A
135290	2315	*Zea mays*	Maize	Glume	Positive	Charred	1(1)	0	N/A
135290	2315	*Zea mays*	Maize	Kernel	Fairly certain	Charred	3(0)	0	N/A
135290	2326	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	5	0.1	N/A
135290	2326	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
135290	2326	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	11-25/liter
135290	2326	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
135290	2326	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2326	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
135290	2326	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N/A
135290	2326	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
135290	2326	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	1	<0.1	N/A
135290	2326	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
135290	2326	*Zea mays*	Maize	Cupule	Positive	Charred	1(1)	0	N/A
135290	2330	*Chenopodium*	Goosefoot	Seed	Positive	Charred	4(4)	0	N/A
135290	2330	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2330	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Partially Charred	2(2)	0	N/A
135290	2330	*Cycloloma*	Winged pigweed	Seed	Fairly certain	Charred	1(1)	0	N/A
135290	2330	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
135290	2330	*Juniperus*	Juniper	Wood	Positive	Charred	9	0.8	N/A
135290	2330	*Nicotiana*	Tobacco	Seed	Positive	Charred	1(1)	0	N/A
135290	2330	*Physalis*	Groundcherry	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2330	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
135290	2330	*Pinus*	Pine	Wood	Positive	Charred	3	0.1	N/A
135290	2330	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
135290	2330	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	0.1	N/A
135290	2330	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly	Charred	3	0.2	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
					certain				
135290	2330	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
135290	2330	*Portulaca*	Purslane	Seed	Fairly certain	Charred	1(1)	0	N/A
135290	2330	*Quercus*	Oak	Wood	Positive	Charred	2	0.2	N/A
135290	2330	*Zea mays*	Maize	Cupule	Positive	Charred	1(0)	0	N/A
135290	2331	*Chenopodium*	Goosefoot	Seed	Positive	Charred	11(10)	0	N/A
135290	2331	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2331	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	9(8)	0	N/A
135290	2331	Gramineae	Grass family	Caryopsis	Positive	Charred	1(1)	0	N/A
135290	2331	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	0.2	N/A
135290	2331	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2331	*Juniperus*	Juniper	Wood	Positive	Charred	7	0.1	N/A
135290	2331	*Nicotiana*	Tobacco	Seed	Positive	Charred	1(1)	0	N/A
135290	2331	*Physalis*	Groundcherry	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2331	*Pinus*	Pine	Wood	Positive	Charred	3	<0.1	N/A
135290	2331	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	0.1	N/A
135290	2331	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
135290	2331	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	2	<0.1	N/A
135290	2331	*Portulaca*	Purslane	Seed	Positive	Charred	6(6)	0	N/A
135290	2331	*Zea mays*	Maize	Cupule	Positive	Charred	4(0)	0	N/A
135290	2331	*Zea mays*	Maize	Kernel	Positive	Charred	4(1)	0	N/A
135290	2332	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
135290	2332	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2332	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	4(4)	0	N/A
135290	2332	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
135290	2332	*Juniperus*	Juniper	Wood	Positive	Charred	5	0.1	N/A
135290	2332	*Pinus*	Pine	Wood	Positive	Charred	2	<0.1	N/A
135290	2332	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
135290	2332	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N/A
135290	2332	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	9	0.1	N/A
135290	2332	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
135290	2332	Portulacaceae	Purslane family	Seed	Positive	Charred	1(1)	0	N/A
135290	2332	*Quercus*	Oak	Wood	Positive	Charred	2	<0.1	N/A
135290	2332	*Zea mays*	Maize	Cupule	Positive	Charred	6(0)	0	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135290	2332	*Zea mays*	Maize	Kernel	Positive	Charred	1(0)	0	N/A
135290	2350	*Chenopodium*	Goosefoot	Seed	Positive	Charred	4(4)	0	N/A
135290	2350	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2350	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	13(12)	0	N/A
135290	2350	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Partially Charred	1(1)	0	N/A
135290	2350	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	0.1	N/A
135290	2350	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2350	*Juniperus*	Juniper	Wood	Positive	Charred	2	0.1	N/A
135290	2350	*Nicotiana*	Tobacco	Seed	Positive	Charred	3(3)	0	N/A
135290	2350	*Nicotiana*	Tobacco	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2350	*Physalis*	Groundcherry	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2350	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
135290	2350	*Pinus edulis*	Piñon	Wood	Positive	Charred	10	0.4	N/A
135290	2350	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	5	0.1	N/A
135290	2350	*Portulaca*	Purslane	Seed	Positive	Charred	13(13)	0	N/A
135290	2350	Unidentifiable	Unidentifiable	Seed	Positive	Charred	3(2)	0	N/A
135290	2350	*Zea mays*	Maize	Cupule	Positive	Charred	7(1)	0	N/A
135290	2350	*Zea mays*	Maize	Embryo	Positive	Charred	1(1)	0	N/A
135290	2376	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2376	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
135290	2376	*Zea mays*	Maize	Cupule	Fairly certain	Charred	1(0)	0	N/A
135290	2378	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2378	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
135290	2378	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2378	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	2378	*Lappula*	Stickseed	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2378	*Pinus*	Pine	Umbo	Fairly certain	Charred	0	0	1-10/liter
135290	2378	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
135290	2378	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
135290	2378	*Zea mays*	Maize	Cupule	Positive	Charred	1(1)	0	N/A
135290	2420	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2420	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2420	*Juniperus*	Juniper	Wood	Positive	Charred	12	0.4	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135290	2420	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
135290	2420	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
135290	2420	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
135290	2420	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	8	0.2	N/A
135290	2420	Portulacaceae	Purslane family	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2420	*Zea mays*	Maize	Cupule	Positive	Charred	3(1)	0	N/A
135290	2471	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
135290	2471	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
135290	2471	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	17	0.3	N/A
135290	2471	*Portulaca*	Purslane	Seed	Positive	Charred	1(1)	0	N/A
135290	2471	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
135290	2471	*Zea mays*	Maize	Cupule	Positive	Charred	8(0)	0	N/A
135290	2472	*Amaranthus*	Pigweed	Seed	Positive	Charred	1(1)	0	N/A
135290	2472	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2472	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	1(1)	0	N/A
135290	2472	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	2472	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
135290	2472	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
135290	2472	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	18	0.2	N/A
135290	2472	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
135290	2472	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
135290	2472	*Zea mays*	Maize	Cupule	Positive	Charred	2(0)	0	N/A
135290	2473	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
135290	2473	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2473	*Juniperus*	Juniper	Wood	Positive	Charred	2	0.1	N/A
135290	2473	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
135290	2473	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	0.1	N/A
135290	2473	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	11-25/liter
135290	2473	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	15	0.4	N/A
135290	2473	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
135290	2473	*Zea mays*	Maize	Kernel	Positive	Charred	2(2)	0	N/A
135290	2474	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2474	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	1(1)	0	N/A
135290	2474	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	0.1	N/A
135290	2474	*Juniperus*	Juniper	Wood	Positive	Charred	2	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135290	2474	*Physalis*	Groundcherry	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2474	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
135290	2474	*Pinus edulis*	Piñon	Wood	Positive	Charred	8	0.3	N/A
135290	2474	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
135290	2474	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	6	0.1	N/A
135290	2474	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	3	<0.1	N/A
135290	2474	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2474	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
135290	2474	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
135290	2474	*Zea mays*	Maize	Cupule	Fairly certain	Charred	1(0)	0	N/A
135290	2474	*Zea mays*	Maize	Glume	Positive	Charred	1(1)	0	N/A
135290	2475	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1	N/A
135290	2475	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2475	*Juniperus*	Juniper	Wood	Positive	Charred	4	0.1	N/A
135290	2475	*Physalis*	Groundcherry	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2475	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
135290	2475	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	0.1	N/A
135290	2475	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
135290	2475	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	6	0.1	N/A
135290	2475	*Populus/Salix*	Cottonwood/ willow	Wood	Positive	Charred	6	<0.1	N/A
135290	2475	*Zea mays*	Maize	Cupule	Positive	Charred	5(2)	0	N/A
135290	2475	*Zea mays*	Maize	Kernel	Positive	Charred	5(0)	0	N/A
135290	2477	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	6	0.1	N/A
135290	2477	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
135290	2477	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
135290	2477	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N/A
135290	2477	*Populus/Salix*	Cottonwood/ willow	Wood	Positive	Charred	1	<0.1	N/A
135290	2477	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
135290	2488	*Chenopodium*	Goosefoot	Seed	Positive	Charred	7(7)	0	N/A
135290	2488	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2488	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	5(4)	0	N/A
135290	2488	*Juniperus*	Juniper	Wood	Positive	Charred	4	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135290	2488	*Physalis*	Groundcherry	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2488	*Pinus edulis*	Piñon	Wood	Positive	Charred	9	0.2	N/A
135290	2488	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
135290	2488	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	6	0.1	N/A
135290	2488	*Populus/Salix*	Cottonwood/ willow	Wood	Positive	Charred	1	<0.1	N/A
135290	2488	*Portulaca*	Purslane	Seed	Positive	Charred	2(2)	0	N/A
135290	2488	Portulacaceae	Purslane family	Seed	Fairly certain	Uncharred	0	0	1-10/liter
135290	2488	Unidentifiable	Unidentifiable	Seed	Positive	Charred	1(0)	0	N/A
135290	2488	*Zea mays*	Maize	Cupule	Positive	Charred	3(1)	0	N/A
135290	2488	*Zea mays*	Maize	Kernel	Positive	Charred	1(1)	0	N/A
135290	2489	*Chenopodium*	Goosefoot	Seed	Positive	Charred	22	0	N/A
135290	2489	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2489	*Juniperus*	Juniper	Wood	Positive	Charred	3	<0.1	N/A
135290	2489	*Pinus*	Pine	Wood	Positive	Charred	2	<0.1	N/A
135290	2489	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
135290	2489	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	2	<0.1	N/A
135290	2489	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2489	*Populus/Salix*	Cottonwood/ willow	Wood	Positive	Charred	3	<0.1	N/A
135290	2490	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2490	*Juniperus*	Juniper	Wood	Positive	Charred	4	<0.1	N/A
135290	2490	*Pinus*	Pine	Wood	Positive	Charred	4	0.2	N/A
135290	2490	*Pinus edulis*	Piñon	Wood	Positive	Charred	5	0.4	N/A
135290	2490	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
135290	2490	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	5	0.2	N/A
135290	2490	*Populus/Salix*	Cottonwood/ willow	Wood	Positive	Charred	1	<0.1	N/A
135290	2490	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
135290	2490	*Zea mays*	Maize	Cupule	Positive	Charred	4(0)	0	N/A
135290	2491	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2491	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	2491	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N/A
135290	2491	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
135290	2492	*Chenopodium*	Goosefoot	Seed	Positive	Charred	2(0)	0	N/A
135290	2492	*Chenopodium*	Goosefoot	Seed	Positive	Charred	2(2)	0	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135290	2492	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2492	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	1(1)	0	N/A
135290	2492	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
135290	2492	*Physalis*	Groundcherry	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2492	*Pinus edulis*	Piñon	Wood	Fairly certain	Charred	2	0.1	N/A
135290	2492	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
135290	2492	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	6	0.1	N/A
135290	2492	*Populus/Salix*	Cottonwood/ willow	Wood	Positive	Charred	8	0.1	N/A
135290	2492	*Quercus*	Oak	Wood	Positive	Charred	2	<0.1	N/A
135290	2492	*Zea mays*	Maize	Cupule	Positive	Charred	4(0)	<0.1	N/A
135290	2496	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2496	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	2496	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
135290	2496	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
135290	2496	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
135290	2496	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	1(0)	0	N/A
135290	2496	*Zea mays*	Maize	Cupule	Positive	Charred	1(0)	0	N/A
135290	2526	*Chenopodium*	Goosefoot	Seed	Positive	Partially Charred	1(1)	0	N/A
135290	2526	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2526	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	9(8)	0	N/A
135290	2526	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Partially Charred	1(1)	0	N/A
135290	2526	Compositae	Sunflower family	Achene	Fairly certain	Charred	6(6)	0	N/A
135290	2526	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
135290	2526	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2526	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	2526	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
135290	2526	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	2	<0.1	N/A
135290	2526	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Charred	9(9)	0	N/A
135290	2528	*Chenopodium*	Goosefoot	Seed	Positive	Charred	18(18)	0	N/A
135290	2528	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135290	2528	*Chenopodium/Amaranthus*	Cheno-am	Seed	Positive	Charred	4(4)	0	N/A
135290	2528	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	2528	*Juniperus*	Juniper	Wood	Positive	Charred	3	0.2	N/A
135290	2528	*Pinus*	Pine	Wood	Positive	Charred	1	0.1	N/A
135290	2528	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
135290	2528	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
135290	2528	*Pinus edulis*	Piñon	Wood	Positive	Charred	5	0.2	N/A
135290	2528	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	10	0.2	N/A
135290	2528	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1	N/A
135290	2528	*Zea mays*	Maize	Cupule	Positive	Charred	27(4)	0	N/A
135290	2549	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2549	Compositae	Sunflower family	Achene	Positive	Uncharred	0	0	1-10/liter
135290	2549	Gramineae	Grass family	Caryopsis	Positive	Uncharred	0	0	1-10/liter
135290	2549	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
135290	2549	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2549	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	2549	*Physalis*	Groundcherry	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2549	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
135290	2549	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
135290	2549	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	0.9	N/A
135290	2549	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
135290	2549	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	5	<0.1	N/A
135290	2549	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
135290	2549	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
135290	2549	*Zea mays*	Maize	Cupule	Positive	Charred	4(0)	0	N/A
135290	2556	*Chenopodium*	Goosefoot	Seed	Positive	Charred	12(12)	0	N/A
135290	2556	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2556	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	3(3)	0	N/A
135290	2556	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
135290	2556	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
135290	2561	*Amaranthus*	Pigweed	Seed	Positive	Charred	1(0)	0	N/A
135290	2561	*Chenopodium*	Goosefoot	Seed	Positive	Charred	2(2)	0	N/A
135290	2561	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Charred	10(10)	0	N/A
135290	2561	Compositae	Sunflower family	Achene	Fairly certain	Charred	13(13)	0	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135290	2561	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
135290	2561	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	4	0.1	N/A
135290	2561	*Portulaca*	Purslane	Seed	Positive	Charred	1(1)	0	N/A
135290	2561	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Charred	19(19)	0	N/A
135290	2561	*Zea mays*	Maize	Cupule segment	Positive	Charred	1(1)	0	N/A
135290	2563	*Chenopodium*	Goosefoot	Seed	Positive	Charred	2(1)	0	N/A
135290	2563	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2563	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
135290	2563	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2563	*Juniperus*	Juniper	Wood	Positive	Charred	7	0.6	N/A
135290	2563	*Nicotiana*	Tobacco	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2563	*Physalis*	Groundcherry	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2563	*Pinus edulis*	Piñon	Wood	Positive	Charred	4	0.1	N/A
135290	2563	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
135290	2563	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	4	<0.1	N/A
135290	2563	*PlatyOpuntia*	Pricklypear cactus	Embryo	Positive	Uncharred	0	0	1-10/liter
135290	2563	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2563	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
135290	2563	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	1(0)	0	N/A
135290	2563	*Zea mays*	Maize	Cupule	Positive	Charred	7(0)	0	N/A
135290	2564	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2564	*Juniperus*	Juniper	Wood	Positive	Charred	2	<0.1	N/A
135290	2564	*Physalis*	Groundcherry	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2564	*Pinus edulis*	Piñon	Needle	Fairly certain	Charred	0	0	1-10/liter
135290	2564	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	<0.1	N/A
135290	2564	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
135290	2564	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	10	0.2	N/A
135290	2564	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
135290	2564	*Zea mays*	Maize	Cupule	Positive	Charred	9(2)	0	N/A
135290	2584	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
135290	2584	Compositae	Sunflower family	Achene	Fairly certain	Charred	1(1)	0	N/A
135290	2584	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
135290	2584	*Oenothera*	Evening primrose	Seed	Positive	Charred	1(1)	0	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
139418	318	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
139418	318	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
139418	318	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
139418	318	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
139418	318	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
139418	318	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
139418	341	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
139418	341	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
139418	341	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
139418	341	*Pinus*	Pine	Male cone	Positive	Uncharred	0	0	1-10/liter
139418	341	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
139418	341	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
139418	341	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
139418	363	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
139418	364	no data	No data	No data	No data	No data	0	0	N/A
139418	365	no data	No data	No data	No data	No data	0	0	N/A
139418	367	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
139418	367	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
139418	367	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
139418	367	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
139418	367	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
139418	367	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
139418	367	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
139418	367	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
141505	22	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
141505	74	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	14	0.4	N/A
141505	74	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
141505	74	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
141505	74	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
141505	74	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
141505	74	*Pseudotsuga menziesii*	Douglas fir	Wood	Fairly certain	Charred	6	<0.1	N/A
141505	82	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
141505	82	Portulacaceae	Purslane family	Seed	Fairly certain	Uncharred	0	0	1-10/liter
141505	82	*Zea mays*	Maize	Cupule	Resembles taxon	Charred	1(0)	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
141505	82	Gymnospermae	Unknown conifer	Wood	Positive	Charred	6	<0.1	N/A
141505	82	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
141505	82	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A
141505	82	Pinus edulis	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
15116	31	Compositae	Sunflower family	Achene	Uncharred	Positive			1-10/liter
15116	31	Gramineae	Grass family	Floret	Uncharred	Positive			1-10/liter
15116	31	*Pinus edulis*	Piñon	Needle	Charred	Positive			1-10/liter
15116	31	*Pinus edulis*	Piñon	Needle	Uncharred	Positive			1-10/liter
15116	31	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
15116	31	*Rumex*	Dock	Seed	Uncharred	Fairly certain			1-10/liter
15116	31	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
15116	31	Indeterminate	Indeterminate	Unknown	Charred	Positive	1(0)		N/A
15116	31	Gramineae	Grass family	Caryopsis	Charred	Fairly certain	1(1)		N/A
15116	31	*Rumex*	Dock	Seed	Charred	Fairly certain	1(1)		N/A
15116	31	*Pinus edulis*	Piñon	Wood	Charred	Positive	3	0.1	N/A
15116	31	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	4	0.1	N/A
15116	59	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
15116	59	*Rumex*	Dock	Seed	Uncharred	Fairly certain			1-10/liter
15116	59	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
15116	59	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	2	<0.1	N/A
15116	59	Gymnospermae	Unknown conifer	Wood	Charred	Positive	3	<0.1	N/A
15116	60	*Pinus edulis*	Piñon	Needle	Uncharred	Positive			1-10/liter
15116	60	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
15116	60	*Rumex*	Dock	Seed	Uncharred	Fairly certain			1-10/liter
15116	60	Indeterminate	Indeterminate	Unknown	Charred	Positive	1(0)		N/A
15116	60	*Cercocarpus*	Mountain mahogany	Wood	Charred	Positive	2	<0.1	N/A
15116	60	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	3	<0.1	N/A
70025	21	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	8	0.1	N/A
70025	24	Gramineae	Grass family	Culm	Charred	Positive			1-10/liter
70025	24	Gymnospermae	Unknown conifer	Wood	Charred	Positive	2	<0.1	N/A
70025	24	*Cercocarpus*	Mountain mahogany	Wood	Charred	Positive	4	0.1	N/A
70025	24	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	8	0.5	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
70025	43	Gramineae	Grass family	Caryopsis	Uncharred	Positive			1-10/liter
70025	43	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
70025	43	*Helianthus*	Sunflower	Achene	Uncharred	Positive			1-10/liter
70025	43	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Fairly certain	1	<0.1	N/A
70025	43	Gymnospermae	Unknown conifer	Wood	Charred	Positive	3	0.1	N/A
85403	18	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
85403	18	*Portulaca*	Purslane	Seed	Uncharred	Positive			1-10/liter
85403	18	*Rumex*	Dock	Seed	Uncharred	Fairly certain			1-10/liter
85403	18	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
85403	23	Gymnospermae	Unknown conifer	Wood	Charred	Positive	1	<0.1	N/A
85403	23	*Chenopodium*	Goosefoot	Seed	Charred	Fairly certain	1(0)		N/A
85403	23	*Portulaca*	Purslane	Seed	Charred	Positive	1(1)		N/A
85403	24	Gymnospermae	Unknown conifer	Wood	Charred	Positive	1	<0.1	N/A
85403	24	*Quercus*	Oak	Wood	Charred	Fairly certain	1	<0.1	N/A
85403	24	*Zea mays*	Maize	Cupule	Charred	Fairly certain	1(0)		N/A
85403	27	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
85403	27	Compositae	Sunflower family	Achene	Uncharred	Positive			1-10/liter
85403	27	*Euphorbia*	Spurge	Seed	Uncharred	Positive			1-10/liter
85403	27	Gramineae	Grass family	Caryopsis	Uncharred	Positive			1-10/liter
85403	27	*Sporobolus*	Dropseed grass	Caryopsis	Uncharred	Positive			1-10/liter
85403	27	*Pinus*	Pine	Bark scale	Charred	Positive			1-10/liter
85403	27	*Pinus ponderosa*	Ponderosa pine	Fascicle	Uncharred	Positive			1-10/liter
85403	27	*Rumex*	Dock	Seed	Uncharred	Fairly certain			1-10/liter
85403	27	*Pinus*	Pine	Seed	Uncharred	Positive			1-10/liter
85403	27	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			11-25/liter
85403	27	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	1	<0.1	N/A
85403	27	*Quercus*	Oak	Wood	Charred	Positive	3	0.1	N/A
85403	49	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	3	0.1	N/A
85403	53	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
85403	53	*Physalis*	Groundcherry	Seed	Uncharred	Positive			1-10/liter
85403	53	*Echinocereus*	Hedgehog cactus	Seed	Uncharred	Positive			1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
85403	53	Indeterminate	Indeterminate	Unknown	Charred	Positive	1(0)		N/A
85403	53	Gymnospermae	Unknown conifer	Wood	Charred	Positive	4	0.1	N/A
85403	53	*Zea mays*	Maize	Cupule	Charred	Positive	5(0)		N/A
85403	53	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	6	0.1	N/A
85404	68	*Pinus edulis*	Piñon	Needle	Charred	Positive			1-10/liter
85404	68	*Pinus ponderosa*	Ponderosa pine	Fascicle	Charred	Positive			1-10/liter
85404	68	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
85404	68	*Pinus*	Pine	Wood	Charred	Fairly certain	2	0.3	N/A
85404	68	*Zea mays*	Maize	Cupule	Charred	Positive	2(0)		N/A
85404	68	Gymnospermae	Unknown conifer	Wood	Charred	Positive	3	0.1	N/A
85404	68	*Pinus edulis*	Piñon	Wood	Charred	Positive	6	0.3	N/A
85404	68	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	9	0.3	N/A
85404	72	*Pinus*	Pine	Bark scale	Charred	Positive			1-10/liter
85404	72	*Pinus*	Pine	Seed	Uncharred	Fairly certain			1-10/liter
85404	72	*Pinus edulis*	Piñon	Needle	Charred	Positive			1-10/liter
85404	72	*Pinus ponderosa*	Ponderosa pine	Fascicle	Charred	Positive			1-10/liter
85404	72	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
85404	72	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
85404	72	*Pinus*	Pine	Umbo	Charred	Positive			1-10/liter
85404	72	*Artemisia*	Sagebrush	Wood	Charred	Fairly certain	1	<0.1	N/A
85404	72	*Pinus edulis*	Piñon	Wood	Charred	Positive	1	<0.1	N/A
85404	72	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	11	0.6	N/A
85404	72	*Pinus*	Pine	Wood	Charred	Positive	2	0.1	N/A
85404	72	Gymnospermae	Unknown conifer	Wood	Charred	Positive	5	<0.1	N/A
85404	93	*Pinus edulis*	Piñon	Needle	Charred	Positive			1-10/liter
85404	93	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
85404	93	*Nicotiana*	Tobacco	Seed	Uncharred	Positive			1-10/liter
85404	93	*Quercus*	Oak	Wood	Charred	Positive	2	0.2	N/A
85404	93	Gymnospermae	Unknown conifer	Wood	Charred	Positive	5	0.1	N/A
85404	93	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	5	0.7	N/A
85404	93	*Pseudotsuga menziesii*	Douglas fir	Wood	Charred	Resembles taxon	8	0.6	N/A
85404	94	*Nicotiana*	Tobacco	Seed	Uncharred	Positive			1-10/liter
85404	94	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
85404	94	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
85404	94	*Pinus edulis*	Piñon	Needle	Charred	Positive			1-10/liter
85404	94	*Artemisia*	Sagebrush	Wood	Charred	Positive	1	<0.1	N/A
85404	94	*Physalis*	Groundcherry	Seed	Charred	Positive	1(0)		N/A
85404	94	*Pinus*	Pine	Wood	Charred	Positive	3	0.2	N/A
85404	94	*Chenopodium*	Goosefoot	Seed	Charred	Positive	3(3)		N/A
85404	94	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	4	0.1	N/A
85404	94	Gymnospermae	Unknown conifer	Wood	Charred	Positive	4	<0.1	N/A
85404	94	*Pinus edulis*	Piñon	Wood	Charred	Fairly certain	8	0.2	N/A
85404	106	*Pinus edulis*	Piñon	Needle	Charred	Positive			1-10/liter
85404	106	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
85404	106	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
85404	106	Gymnospermae	Unknown conifer	Wood	Charred	Positive	17	1.2	N/A
85404	106	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	3	0.3	N/A
85407	269	*Amaranthus*	Pigweed	Seed	Positive	Uncharred			11-25/liter
85407	269	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred			25-100/liter
85407	269	*Cleome*	Beeweed	Seed	Fairly Certain	Charred	1(1)		N/A
85407	269	*Cleome*	Beeweed	Seed	Positive	Uncharred			1-10/liter
85407	269	*Helianthus*	Sunflower	Achene	Positive	Uncharred			1-10/liter
85407	269	*Lappula*	Stickseed	Seed	Positive	Uncharred			1-10/liter
85407	269	*Portulaca*	Purslane	Seed	Positive	Uncharred			25-100/liter
85407	269	Compositae	Sunflower Family	Achene	Positive	Uncharred			1-10/liter
85407	269	*Croton*	Doveweed	Seed	Positive	Uncharred			1-10/liter
85407	269	*Physalis*	Groundcherry	Seed	Positive	Uncharred			1-10/liter
85407	269	*Salvia*	Sage	Seed	Positive	Uncharred			1-10/liter
85407	269	*Verbena*	Vervain	Seed	Positive	Uncharred			1-10/liter
85407	269	*Zea mays*	Maize	Cupule	Positive	Charred	2(1)		N/A
85407	269	Gramineae	Grass Family	Caryopsis	Positive	Part. Charred	1(1)		N/A
85407	269	Gramineae	Grass Family	Caryopsis	Positive	Uncharred			1-10/liter
85407	269	*Sporobolus*	Dropseed Grass	Caryopsis	Positive	Uncharred			1-10/liter
85407	269	*Pinus*	Pine	Bark Scale	Positive	Charred			1-10/liter
85407	269	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred			1-10/liter
85407	269	*Pinus ponderosa*	Ponderosa Pine	Needle	Positive	Uncharred			1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
85407	269	*Pinus ponderosa*	Ponderosa Pine	Wood	Positive	Charred	19	1.7	N/A
85407	269	Unknown non-conifer	Unknown Non-Conifer	Wood	Positive	Charred	1	0.1	N/A
85407	298	*Amaranthus*	Pigweed	Seed	Positive	Charred	2(2)		N/A
85407	298	*Amaranthus*	Pigweed	Seed	Positive	Uncharred			1-10/liter
85407	298	*Chenopodium*	Goosefoot	Seed	Positive	Charred	68(67)		N/A
85407	298	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred			25-100/liter
85407	298	*Cleome*	Beeweed	Seed	Positive	Charred	4(4)		N/A
85407	298	*Cleome*	Beeweed	Seed	Positive	Uncharred			1-10/liter
85407	298	*Helianthus*	Sunflower	Achene	Positive	Uncharred			1-10/liter
85407	298	*Portulaca*	Purslane	Seed	Positive	Uncharred			25-100/liter
85407	298	Compositae	Sunflower Family	Achene	Positive	Uncharred			1-10/liter
85407	298	*Croton*	Doveweed	Seed	Positive	Uncharred			1-10/liter
85407	298	*Physalis*	Groundcherry	Seed	Positive	Uncharred			1-10/liter
85407	298	*Salvia*	Sage	Seed	Positive	Charred	4(4)		N/A
85407	298	*Salvia*	Sage	Seed	Positive	Part. Charred	3(2)		N/A
85407	298	*Salvia*	Sage	Seed	Positive	Uncharred			1-10/liter
85407	298	*Verbena*	Vervain	Seed	Positive	Charred	3(3)		N/A
85407	298	*Verbena*	Vervain	Seed	Positive	Uncharred			1-10/liter
85407	298	*Vitis*	Grape	Seed	Positive	Charred	1(1)		N/A
85407	298	*Vitis*	Grape	Seed	Positive	Uncharred	1(0)		N/A
85407	298	*Zea mays*	Maize	Cupule	Positive	Charred	3(0)		N/A
85407	298	Gramineae	Grass Family	Caryopsis	Positive	Charred	1(1)		N/A
85407	298	Gramineae	Grass Family	Caryopsis	Positive	Uncharred			1-10/liter
85407	298	Gramineae	Grass Family	Culm	Positive	Charred			1-10/liter
85407	298	*Sporobolus*	Dropseed Grass	Caryopsis	Positive	Uncharred			1-10/liter
85407	298	Indeterminate	Indeterminate	Seed	Positive	Charred	1(0)		N/A
85407	298	Cyperaceae	Sedge Family	Seed	Positive	Charred	1(1)		N/A
85407	298	*Pinus*	Pine	Bark Scale	Positive	Charred			1-10/liter
85407	298	*Pinus*	Pine	Needle	Positive	Charred			1-10/liter
85407	298	*Pinus ponderosa*	Ponderosa Pine	Wood	Positive	Charred	20	1.3	N/A
85407	298	*Sphaeralcea*	Globemallow	Seed	Positive	Uncharred			1-10/liter
85407	298	*Mentzelia pumila*	Stickleaf	Seed	Positive	Uncharred			1-10/liter
85407	301	*Amaranthus*	Pigweed	Seed	Positive	Uncharred			1-10/liter
85407	301	*Chenopodium*	Goosefoot	Seed	Positive	Charred	31(31)		N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
85407	301	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred			25-100/liter
85407	301	*Cleome*	Beeweed	Seed	Positive	Uncharred			1-10/liter
85407	301	*Helianthus*	Sunflower	Achene	Positive	Uncharred			1-10/liter
85407	301	*Lappula*	Stickseed	Seed	Positive	Charred	1(1)		N/A
85407	301	*Lappula*	Stickseed	Seed	Positive	Uncharred			1-10/liter
85407	301	*Portulaca*	Purslane	Seed	Positive	Uncharred			1-10/liter
85407	301	Compositae	Sunflower Family	Achene	Positive	Uncharred			1-10/liter
85407	301	*Physalis*	Groundcherry	Seed	Positive	Charred	1(1)		N/A
85407	301	*Physalis*	Groundcherry	Seed	Positive	Uncharred			1-10/liter
85407	301	*Salvia*	Sage	Seed	Positive	Uncharred			1-10/liter
85407	301	Gramineae	Grass Family	Caryopsis	Positive	Charred	2(2)		N/A
85407	301	Gramineae	Grass Family	Caryopsis	Positive	Uncharred			1-10/liter
85407	301	*Sporobolus*	Dropseed Grass	Caryopsis	Positive	Uncharred			1-10/liter
85407	301	*Echinocereus*	Hedgehog Cactus	Seed	Positive	Uncharred			1-10/liter
85407	301	*Juniperus*	Juniper	Twig	Positive	Part. Charred			1-10/liter
85407	301	*Pinus*	Pine	Bark Scale	Positive	Charred			1-10/liter
85407	301	*Pinus ponderosa*	Ponderosa Pine	Wood	Positive	Charred	20	2.9	N/A
85407	301	*Sphaeralcea*	Globemallow	Seed	Positive	Uncharred			1-10/liter
85407	301	*Mentzelia pumila*	Stickleaf	Seed	Positive	Uncharred			1-10/liter
85407	331	*Amaranthus*	Pigweed	Seed	Positive	Uncharred			25-100/liter
85407	331	*Chenopodium*	Goosefoot	Seed	Positive	Charred	143(143)		N/A
85407	331	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred			>100/liter
85407	331	*Cleome*	Beeweed	Seed	Positive	Uncharred			1-10/liter
85407	331	*Kochia scoparia*	Summer Cypress	Seed	Fairly Certain	Charred	19(19)		N/A
85407	331	*Lappula*	Stickseed	Seed	Positive	Uncharred			1-10/liter
85407	331	*Portulaca*	Purslane	Seed	Positive	Uncharred			>100/liter
85407	331	Compositae	Sunflower Family	Achene	Positive	Uncharred			>100/liter
85407	331	*Physalis*	Groundcherry	Seed	Positive	Uncharred			1-10/liter
85407	331	Portulacaceae	Purslane Family	Seed	Positive	Uncharred			1-10/liter
85407	331	Gramineae	Grass Family	Caryopsis	Positive	Uncharred			1-10/liter
85407	331	**S***porobolus*	Dropseed Grass	Caryopsis	Positive	Charred	1(1)		N/A
85407	331	*Sporobolus*	Dropseed Grass	Caryopsis	Positive	Uncharred			1-10/liter
85407	331	Unknown # 1	Unknown # 1	Seed	Positive	Uncharred			1-10/liter
85407	331	*Juniperus*	Juniper	Seed	Positive	Uncharred			1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
85407	331	*Pinus*	Pine	Male Cone	Positive	Uncharred			1-10/liter
85407	331	*Pinus edulis*	Piñon	Needle	Positive	Charred			1-10/liter
85407	331	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
85407	331	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred			1-10/liter
85407	331	*Pinus ponderosa*	Ponderosa Pine	Needle	Positive	Charred			1-10/liter
85407	331	*Pinus ponderosa*	Ponderosa Pine	Needle	Positive	Uncharred			1-10/liter
85407	331	*Pinus ponderosa*	Ponderosa Pine	Wood	Positive	Charred	8	0.5	N/A
85407	331	*Scirpus*	Bulrush	Seed	Positive	Uncharred			1-10/liter
85407	352	*Amaranthus*	Pigweed	Seed	Positive	Uncharred			11-25/liter
85407	352	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)		N/A
85407	352	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred			25-100/liter
85407	352	*Cleome*	Beeweed	Seed	Positive	Uncharred			1-10/liter
85407	352	*Helianthus*	Sunflower	Achene	Positive	Uncharred			1-10/liter
85407	352	*Portulaca*	Purslane	Seed	Positive	Uncharred			25-100/liter
85407	352	Compositae	Sunflower Family	Achene	Positive	Uncharred			1-10/liter
85407	352	*Croton*	Doveweed	Seed	Positive	Uncharred			1-10/liter
85407	352	*Physalis*	Groundcherry	Seed	Positive	Uncharred			1-10/liter
85407	352	Polygonaceae	Knotweed Family	Seed	Positive	Uncharred			1-10/liter
85407	352	Gramineae	Grass Family	Caryopsis	Positive	Uncharred			1-10/liter
85407	352	*Sporobolus*	Dropseed Grass	Caryopsis	Positive	Uncharred			1-10/liter
85407	352	*Juniperus*	Juniper	Seed	Positive	Uncharred			1-10/liter
85407	352	*Pinus*	Pine	Umbo	Fairly Certain	Charred			1-10/liter
85407	352	*Pinus edulis*	Piñon	Needle	Positive	Charred			1-10/liter
85407	352	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
85407	352	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred			1-10/liter
85407	352	*Pinus ponderosa*	Ponderosa Pine	Needle	Positive	Charred			1-10/liter
85407	352	*Pinus ponderosa*	Ponderosa Pine	Needle	Positive	Uncharred			1-10/liter
85407	352	*Pinus ponderosa*	Ponderosa Pine	Wood	Positive	Charred	1	0.1	N/A
85407	352	*Scirpus*	Bulrush	Seed	Positive	Uncharred			1-10/liter
85407	352	*Mentzelia pumila*	Stickleaf	Seed	Positive	Uncharred			1-10/liter
85407	357	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred			1-10/liter
85407	357	*Portulaca*	Purslane	Seed	Positive	Uncharred			1-10/liter
85407	357	*Physalis*	Groundcherry	Seed	Positive	Uncharred			1-10/liter
85407	357	*Sporobolus*	Dropseed Grass	Caryopsis	Positive	Uncharred			1-10/liter
85407	357	Gymnospermae	Unknown Conifer	Wood	Positive	Charred	1	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
85407	357	*Pinus ponderosa*	Ponderosa Pine	Wood	Positive	Charred	1	<0.1	N/A
85407	408	*Amaranthus*	Pigweed	Seed	Positive	Uncharred			1-10/liter
85407	408	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)		N/A
85407	408	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred			25-100/liter
85407	408	*Helianthus*	Sunflower	Achene	Positive	Uncharred			1-10/liter
85407	408	*Portulaca*	Purslane	Seed	Positive	Uncharred			25-100/liter
85407	408	Compositae	Sunflower Family	Achene	Positive	Uncharred			1-10/liter
85407	408	*Physalis*	Groundcherry	Seed	Positive	Uncharred			1-10/liter
85407	408	*Salvia*	Sage	Seed	Positive	Uncharred			1-10/liter
85407	408	*Sporobolus*	Dropseed Grass	Caryopsis	Positive	Uncharred			1-10/liter
85407	408	Indeterminate	Indeterminate	Seed	Positive	Charred	1(0)		N/A
85407	408	*Juniperus*	Juniper	Wood	Positive	Charred	12	1.8	N/A
85407	408	*Pinus*	Pine	Bark Scale	Positive	Charred			1-10/liter
85407	408	*Pinus*	Pine	Wood	Positive	Charred	3	0.5	N/A
85407	408	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	0.8	N/A
85407	408	*Pinus ponderosa*	Ponderosa Pine	Wood	Positive	Charred	2	0.3	N/A
85407	499	*Amaranthus*	Pigweed	Seed	Positive	Uncharred			1-10/liter
85407	499	*Chenopodium*	Goosefoot	Seed	Positive	Charred	56(56)		N/A
85407	499	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred			25-100/liter
85407	499	*Chenopodium/ Amaranth*	Cheno-Am	Seed	Positive	Charred	3(3)		N/A
85407	499	*Cleome*	Beeweed	Seed	Positive	Charred	2(2)		N/A
85407	499	*Cleome*	Beeweed	Seed	Positive	Part. Charred	1(0)		N/A
85407	499	*Cleome*	Beeweed	Seed	Positive	Uncharred			1-10/liter
85407	499	*Lappula*	Stickseed	Seed	Positive	Uncharred			1-10/liter
85407	499	*Portulaca*	Purslane	Seed	Positive	Uncharred			25-100/liter
85407	499	*Salsola kali*	Russian Thistle	Seed	Fairly Certain	Uncharred			1-10/liter
85407	499	*Croton*	Doveweed	Seed	Positive	Charred	1(1)		N/A
85407	499	*Croton*	Doveweed	Seed	Positive	Uncharred			1-10/liter
85407	499	*Physalis*	Groundcherry	Seed	Positive	Charred	2(2)		N/A
85407	499	*Physalis*	Groundcherry	Seed	Positive	Uncharred			1-10/liter
85407	499	Portulacaceae	Purslane Family	Seed	Positive	Uncharred			1-10/liter
85407	499	*Salvia*	Sage	Seed	Positive	Uncharred			1-10/liter
85407	499	Gramineae	Grass Family	Caryopsis	Positive	Uncharred			1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
85407	499	*Sporobolus*	Dropseed Grass	Caryopsis	Positive	Uncharred			1-10/liter
85407	499	Indeterminate	Indeterminate	Embryo	Positive	Charred	11(11)		N/A
85407	499	Indeterminate	Indeterminate	Unknown	Positive	Charred	1(0)		N/A
85407	499	Cyperaceae	Sedge Family	Seed	Positive	Charred	3(3)		N/A
85407	499	*Echinocereus*	Hedgehog Cactus	Seed	Positive	Uncharred			1-10/liter
85407	499	*Juniperus*	Juniper	Female Cone	Positive	Uncharred			1-10/liter
85407	499	*Juniperus*	Juniper	Wood	Positive	Charred	4	0.1	N/A
85407	499	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
85407	499	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred			1-10/liter
85407	499	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N/A
85407	499	*Pinus ponderosa*	Ponderosa Pine	Wood	Positive	Charred	15	0.2	N/A
85407	499	*Scirpus*	Bulrush	Seed	Positive	Uncharred			1-10/liter
85408	41	Gymnospermae	Unknown Conifer	Wood	Positive	Charred	4	0.1	N\A
85408	41	*Juniperus*	Juniper	Twig	Positive	Uncharred			1-10/liter
85408	41	*Pinus ponderosa*	Ponderosa Pine	Needle	Positive	Charred			1-10/liter
85408	42	*Pinus ponderosa*	Ponderosa Pine	Needle	Positive	Charred			1-10/liter
85408	57	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred			1-10/liter
85408	57	Gramineae	Grass Family	Floret	Positive	Uncharred			1-10/liter
85408	57	*Carex*	Sedge	Seed	Fairly Certain	Uncharred			1-10/liter
85408	57	Gymnospermae	Unknown Conifer	Wood	Positive	Charred	<0.1		N\A
85408	57	*Juniperus*	Juniper	Twig	Positive	Uncharred			1-10/liter
85408	57	*Pinus edulis*	Piñon	Needle	Positive	Charred			1-10/liter
85408	57	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
85408	57	*Pinus edulis*	Piñon	Nutshell	Fairly Certain	Charred			1-10/liter
85408	57	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred			1-10/liter
85408	57	*Pinus ponderosa*	Ponderosa Pine	Needle	Positive	Charred			1-10/liter
85408	57	*Pinus ponderosa*	Ponderosa Pine	Needle	Positive	Uncharred			1-10/liter
85408	57	*PlatyOpuntia*	Pricklypear Cactus	Seed	Positive	Uncharred			1-10/liter
85411	76	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred			1-10/liter
85411	76	Indeterminate	Indeterminate	Unknown	Positive	Charred	1(0)		N\A
85411	76	*Cercocarpus*	Mountain Mahogany	Wood	Positive	Charred	1	<0.1	N\A
85411	76	*Pinus edulis*	Piñon	Needle	Positive	Charred			1-10/liter
85411	76	*Pinus ponderosa*	Ponderosa Pine	Needle	Positive	Charred			1-10/liter
85411	76	*Pinus ponderosa*	Ponderosa Pine	Wood	Positive	Charred	3	0.1	N\A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
85411	76	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N\A
85411	77	*Pinus ponderosa*	Ponderosa Pine	Needle	Positive	Charred			1-10/liter
85411	77	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N\A
85411	78	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)		N\A
85411	78	*Zea mays*	Maize	Cupule	Resembles Taxon	Charred	2(0)		N\A
85411	78	Gymnospermae	Unknown Conifer	Wood	Positive	Charred	2	<0.1	N\A
85411	78	*Pinus*	Pine	Needle	Positive	Charred			1-10/liter
85411	78	*Pinus ponderosa*	Ponderosa Pine	Wood	Positive	Charred	1	<0.1	N\A
85411	78	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N\A
85411	111	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred			1-10/liter
85411	111	Compositae	Sunflower Family	Achene	Positive	Uncharred			1-10/liter
85411	111	*Euphorbia*	Spurge	Seed	Positive	Uncharred			1-10/liter
85411	111	Indeterminate	Indeterminate	Unknown	Positive	Charred	1(0)		N\A
85411	111	*Cercocarpus*	Mountain Mahogany	Wood	Positive	Charred	1	<0.1	N\A
85411	111	Gymnospermae	Unknown Conifer	Wood	Positive	Charred	2	0.3	N\A
85411	111	*Pinus edulis*	Piñon	Needle	Positive	Charred			1-10/liter
85411	111	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
85411	111	*Pinus ponderosa*	Ponderosa Pine	Needle	Positive	Charred			1-10/liter
85411	111	*Pinus ponderosa*	Ponderosa Pine	Wood	Positive	Charred	2	<0.1	N\A
85411	112	*Cercocarpus*	Mountain Mahogany	Wood	Positive	Charred	12	0.3	N\A
85411	112	Gymnospermae	Unknown Conifer	Wood	Positive	Charred	2	<0.1	N\A
85411	112	*Pinus ponderosa*	Ponderosa Pine	Needle	Positive	Charred			1-10/liter
85411	112	*Pinus ponderosa*	Ponderosa Pine	Wood	Positive	Charred	1	<0.1	N\A
85411	118	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred			1-10/liter
85411	118	*Zea mays*	Maize	Kernel	Fairly Certain	Charred	1(0)		N\A
85411	118	Gramineae	Grass Family	Floret	Positive	Uncharred			1-10/liter
85411	118	*Cercocarpus*	Mountain Mahogany	Wood	Positive	Charred	2	0.1	N\A
85411	118	Gymnospermae	Unknown Conifer	Wood	Positive	Charred	4	0.2	N\A
85411	118	*Pinus*	Pine	Wood	Positive	Charred	10	0.3	N\A
85411	118	*Pinus edulis*	Piñon	Needle	Positive	Charred			1-10/liter
85411	118	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
85411	136	*Amaranthus*	Pigweed	Seed	Positive	Charred	1(1)		N\A
85411	136	*Portulaca*	Purslane	Seed	Positive	Charred	1(1)		N\A
85411	136	Indeterminate	Indeterminate	Unknown	Positive	Charred	1(0)		N\A
85411	136	*Cercocarpus*	Mountain Mahogany	Wood	Positive	Charred	1	<0.1	N\A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
85411	136	*Pinus ponderosa*	Ponderosa Pine	Needle	Positive	Charred			1-10/liter
85411	136	*Pinus ponderosa*	Ponderosa Pine	Wood	Positive	Charred	1	<0.1	N\A
85411	137	*Nicotiana*	Tobacco	Seed	Positive	Charred	1(1)		N\A
85411	137	*Portulaca*	Purslane	Seed	Positive	Charred	1(1)		N\A
85411	137	*Portulaca*	Purslane	Seed	Positive	Uncharred			1-10/liter
85411	137	Indeterminate	Indeterminate	Unknown	Positive	Charred	1(0)		N\A
85411	137	Gymnospermae	Unknown Conifer	Wood	Positive	Charred	3	0.1	N\A
85411	137	*Pinus*	Pine	Umbo	Positive	Charred			1-10/liter
85411	137	*Pinus ponderosa*	Ponderosa Pine	Needle	Positive	Charred			1-10/liter
85411	137	*Pinus ponderosa*	Ponderosa Pine	Wood	Positive	Charred	2	0.1	N\A
85411	138	*Cercocarpus*	Mountain Mahogany	Wood	Positive	Charred	1	<0.1	N\A
85411	138	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
85411	138	*Pinus ponderosa*	Ponderosa Pine	Needle	Positive	Charred			1-10/liter
85411	138	*Pinus ponderosa*	Ponderosa Pine	Wood	Positive	Charred	8	0.1	N\A
85411	138	*Quercus*	Oak	Wood	Positive	Charred	4	0.1	N\A
85411	178	Gramineae	Grass Family	Floret	Positive	Uncharred			1-10/liter
85411	178	Indeterminate	Indeterminate	Unknown	Positive	Charred	1(0)		N\A
85411	178	*Cercocarpus*	Mountain Mahogany	Wood	Positive	Charred	4	<0.1	N\A
85411	178	*Pinus*	Pine	Umbo	Positive	Charred			1-10/liter
85411	178	*Pinus edulis*	Piñon	Needle	Positive	Charred			1-10/liter
85411	178	*Pinus ponderosa*	Ponderosa Pine	Needle	Positive	Charred			1-10/liter
85411	178	*Pinus ponderosa*	Ponderosa Pine	Needle	Positive	Uncharred			1-10/liter
85411	178	*Pinus ponderosa*	Ponderosa Pine	Wood	Positive	Charred	7	0.3	N\A
85411	178	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N\A
85413	149	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred			1-10/liter
85413	149	*Zea mays*	Maize	Cupule	Fairly Certain	Charred	1(0)		N\A
85413	149	Indeterminate	Indeterminate	Unknown	Positive	Charred	1(0)		N\A
85413	149	*Cercocarpus*	Mountain Mahogany	Wood	Positive	Charred	8	0.2	N\A
85413	149	*Juniperus*	Juniper	Seed	Positive	Uncharred			1-10/liter
85413	149	*Juniperus*	Juniper	Twig	Positive	Uncharred			1-10/liter
85413	149	*Pinus*	Pine	Wood	Positive	Charred	11	0.4	N\A
85413	149	*Pinus edulis*	Piñon	Needle	Positive	Charred			1-10/liter
85413	149	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
85413	149	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred			1-10/liter
85413	149	*Pinus ponderosa*	Ponderosa Pine	Needle	Positive	Charred			1-10/liter
85413	149	*Pinus ponderosa*	Ponderosa Pine	Wood	Positive	Charred	1	<0.1	N\A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
85413	224	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)		N\A
85413	224	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred			1-10/liter
85413	224	Indeterminate	Indeterminate	Unknown	Positive	Charred	1(0)		N\A
85413	224	Indeterminate	Indeterminate	Unknown	Positive	Part. Charred	1(0)		N\A
85413	224	*Cercocarpus*	Mountain Mahogany	Wood	Positive	Charred	1	<0.1	N\A
85413	224	Gymnospermae	Unknown Conifer	Wood	Positive	Charred	3	<0.1	N\A
85413	224	*Juniperus*	Juniper	Twig	Positive	Uncharred			1-10/liter
85413	224	*Pinus edulis*	Piñon	Wood	Positive	Charred	4	0.1	N\A
85413	224	*Pinus ponderosa*	Ponderosa Pine	Needle	Positive	Charred			1-10/liter
85413	224	*Quercus*	Oak	Wood	Positive	Charred	4	0.2	N\A
85414	57	Gramineae	Grass Family	Floret	Positive	Uncharred			1-10/liter
85414	57	*Juniperus*	Juniper	Twig	Positive	Uncharred			1-10/liter
85414	57	*Pinus*	Pine	Wood	Positive	Charred	5	0.1	N\A
85414	57	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
85414	57	*Pinus ponderosa*	Ponderosa Pine	Needle	Positive	Uncharred			1-10/liter
85414	58	Gramineae	Grass Family	Floret	Positive	Uncharred			1-10/liter
85414	58	*Pinus edulis*	Piñon	Needle	Positive	Charred			1-10/liter
85417	71	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred			1-10/liter
85417	71	*Chenopodium/ Amaranth*	Cheno-Am	Seed	Positive	Charred	1(1)		N\A
85417	71	*Portulaca*	Purslane	Seed	Positive	Uncharred			1-10/liter
85417	71	Indeterminate	Indeterminate	Unknown	Positive	Charred	3(0)		N\A
85417	71	*Echinocereus*	Hedgehog Cactus	Seed	Positive	Uncharred			1-10/liter
85417	71	*Juniperus*	Juniper	Female Cone	Fairly Certain	Charred	1(0)		N\A
85417	71	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N\A
85417	71	*Pinus edulis*	Piñon	Seed	Fairly Certain	Charred	2(2)		N\A
85417	71	*Pinus ponderosa*	Ponderosa Pine	Needle	Positive	Uncharred			1-10/liter
85417	72	*Portulaca*	Purslane	Seed	Positive	Uncharred			1-10/liter
85417	72	*Pinus*	Pine	Wood	Positive	Charred	2	<0.1	N\A
85417	72	*Pinus ponderosa*	Ponderosa Pine	Wood	Positive	Charred	2	<0.1	N\A
85417	114	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred			1-10/liter
85417	114	*Portulaca*	Purslane	Seed	Positive	Uncharred			1-10/liter
85417	114	Gymnospermae	Unknown Conifer	Wood	Positive	Charred	3	0.1	N\A
85417	114	*Pinus ponderosa*	Ponderosa Pine	Wood	Positive	Charred	1	<0.1	N\A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
85417	141	Gymnospermae	Unknown Conifer	Wood	Positive	Charred	2	<0.1	N\A
85417	141	*Pinus*	Pine	Wood	Positive	Charred	3	0.3	N\A
85417	141	*Pinus ponderosa*	Ponderosa Pine	Wood	Fairly Certain	Charred	15	1.8	N\A
85417	142	*Chenopodium/ Amaranthus*	Cheno-Am	Seed	Positive	Charred	1(1)		N\A
85417	142	Gymnospermae	Unknown Conifer	Wood	Positive	Charred	6	0.1	N\A
85417	142	*Juniperus*	Juniper	Wood	Positive	Charred	2	0.2	N\A
85417	142	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
85417	142	*Pinus ponderosa*	Ponderosa Pine	Wood	Fairly Certain	Charred	12	1.3	N\A
85859	108	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
85859	108	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Partially Charred	0	0	1-10/liter
85859	108	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
85859	123	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
85859	123	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
85859	123	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
85859	136	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
85859	136	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
85859	143	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(0)	0	N/A
85859	308	no data	No data	No data	No data	No data	0	0	N/A
85859	310	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
85859	310	Compositae	Sunflower family	Achene	Positive	Uncharred	0	0	1-10/liter
85859	310	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
85859	310	Fabaceae	Bean family	Seed	Positive	Uncharred	0	0	1-10/liter
85859	310	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
85859	310	*Juniperus*	Juniper	Twig	Positive	Charred	0	0	1-10/liter
85859	310	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
85859	310	*Pinus*	Pine	Male cone	Resembles taxon	Charred	0	0	1-10/liter
85859	310	*Pinus*	Pine	Umbo	Positive	Charred	0	0	1-10/liter
85859	310	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
85859	310	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
85859	310	*Pinus edulis*	Piñon	Wood	Fairly certain	Charred	1	<0.1	N/A
85859	310	*Pinus edulis*	Piñon	Wood	Fairly	Partially	1	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
					certain	Charred			
85859	310	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
85859	310	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	11-25/liter
85859	311	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
85859	311	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
85859	311	*Pinus*	Pine	Umbo	Positive	Charred	0	0	1-10/liter
85859	311	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
85859	311	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
85859	312	no data	No data	No data	No data	No data	0	0	N/A
85859	313	no data	No data	No data	No data	No data	0	0	N/A
85859	314	no data	No data	No data	No data	No data	0	0	N/A
85859	315	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
85859	346	no data	No data	No data	No data	No data	0	0	N/A
85859	348	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
85859	348	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
85859	349	no data	No data	No data	No data	No data	0	0	N/A
85859	350	no data	No data	No data	No data	No data	0	0	N/A
85859	351	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
85859	352	no data	No data	No data	No data	No data	0	0	N/A
85859	353	Chenopodium	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
85859	353	Compositae	Sunflower family	Achene	Positive	Uncharred	0	0	1-10/liter
85859	353	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
85859	353	Polygonaceae	Knotweed family	Seed	Positive	Uncharred	0	0	1-10/liter
85859	353	*Pinus*	Pine	Umbo	Positive	Charred	0	0	1-10/liter
85859	353	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
85859	353	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
85859	353	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
85859	354	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
85859	355	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
85861	191	*Cleome*	Beeweed	Seed	Positive	Charred	3(3)		N\A
85861	191	*Cleome*	Beeweed	Seed	Positive	Part. Charred	2(2)		N\A
85861	191	Indeterminate	Indeterminate	Unknown	Positive	Charred	1(0)		N\A
85861	191	Gymnospermae	Unknown Conifer	Wood	Positive	Charred	2	<0.1	N\A
85861	191	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N\A
85861	192	*Chenopodium/ Amaranthus*	Cheno-Am	Seed	Positive	Charred	1(0)		N\A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
85861	192	*Cleome*	Beeweed	Seed	Positive	Charred	6(5)		N\A
85861	192	Labiatae	Mint Family	Seed	Fairly Certain	Charred	1(1)		N\A
85861	192	Gymnospermae	Unknown Conifer	Wood	Positive	Charred	2	<0.1	N\A
85861	192	*Pinus*	Pine	Wood	Positive	Charred	2	<0.1	N\A
85861	193	*Zea mays*	Maize	Cupule	Positive	Charred	2(2)		N\A
85861	193	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1	N\A
85861	194	*Pinus edulis*	Piñon	Needle	Positive	Charred			1-10/liter
85861	194	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
85861	194	*Pinus ponderosa*	Ponderosa Pine	Wood	Positive	Charred	1	<0.1	N\A
85864	4	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
85864	4	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
85864	4	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
85864	4	*Pinus*	Pine	Bark scale	Positive	Uncharred	0	0	1-10/liter
85864	4	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
85864	4	*Pinus edulis*	Piñon	Wood	Positive	Charred	20	0.5	N/A
85864	5	*Juniperus*	Juniper	Twig	Positive	Charred	0	0	1-10/liter
85864	5	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
85864	5	*Pinus*	Pine	Wood	Positive	Charred	2	<0.1	N/A
85864	5	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
85864	5	*Pinus edulis*	Piñon	Wood	Positive	Charred	18	0.5	N/A
85864	5	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
85864	6	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
85864	6	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
85864	6	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
85864	6	*Pinus edulis*	Piñon	Wood	Positive	Charred	13	0.1	N/A
85864	10	*Triticum*	Wheat	Caryopsis	Resembles taxon	Charred	1(1)	0	N/A
85864	10	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	0.1	N/A
85864	10	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
85864	10	*Juniperus*	Juniper	Wood	Positive	Charred	4	0.2	N/A
85864	10	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
85864	10	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
85864	10	*Pinus edulis*	Piñon	Wood	Positive	Charred	14	0.5	N/A
85864	14	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
85864	14	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
85864	14	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
85867	78	*Echinocereus*	Hedgehog Cactus	Seed	Positive	Uncharred			1-10/liter
85867	78	Gymnospermae	Unknown Conifer	Wood	Positive	Charred	8	0.1	N\A
85867	78	*Pinus ponderosa*	Ponderosa Pine	Needle	Positive	Charred			1-10/liter
85867	78	*Pinus ponderosa*	Ponderosa Pine	Wood	Positive	Charred	9	03	N\A
85867	79	Gymnospermae	Unknown Conifer	Wood	Positive	Charred	4	<0.1	N\A
85867	79	*Pinus ponderosa*	Ponderosa Pine	Needle	Positive	Charred			1-10/liter
85867	79	*Pinus ponderosa*	Ponderosa Pine	Wood	Positive	Charred	5	0.1	N\A
85869	272	*Chenopodium*	Goosefoot	Seed	Positive	Charred	1(1)	0	N/A
85869	272	*Melilotus*	Sweet clover	Seed	Positive	Uncharred	0	0	1-10/liter
85869	272	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	0.1	N/A
85869	272	*Juniperus*	Juniper	Male cone	Positive	Uncharred	0	0	1-10/liter
85869	272	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
85869	272	*Pinus edulis*	Piñon	Wood	Positive	Charred	17	1.4	N/A
85869	283	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
85869	283	*Melilotus*	Sweet clover	Seed	Positive	Uncharred	0	0	1-10/liter
85869	283	Dicotyledonae	Dicot	Leaf	Positive	Uncharred	0	0	1-10/liter
85869	283	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
85869	283	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
85869	283	*Pinus*	Pine	Twig	Positive	Uncharred	0	0	1-10/liter
85869	283	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
85869	283	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
85869	283	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
85869	283	*Pinus edulis*	Piñon	Seed	Positive	Uncharred	0	0	1-10/liter
85869	288	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Positive	Uncharred	0	0	1-10/liter
85869	288	*Melilotus*	Sweet clover	Seed	Positive	Uncharred	0	0	1-10/liter
85869	288	Portulacaceae	Purslane family	Seed	Fairly certain	Uncharred	0	0	1-10/liter
85869	288	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
85869	295	*Echinocereus*	Hedgehog cactus	Seed	Positive	Uncharred	0	0	1-10/liter
85869	295	*Juniperus*	Juniper	Female cone	Positive	Uncharred	0	0	1-10/liter
85869	295	*Juniperus*	Juniper	Twig	Positive	Charred	0	0	1-10/liter
85869	295	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
85869	295	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
85869	295	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
85869	295	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
85869	295	*Pinus ponderosa*	Ponderosa pine	Needle	Fairly certain	Charred	0	0	1-10/liter
85869	296	Compositae	Sunflower family	Achene	Positive	Uncharred	0	0	1-10/liter
85869	296	*Melilotus*	Sweet clover	Seed	Positive	Uncharred	0	0	1-10/liter
85869	296	Portulacaceae	Purslane family	Seed	Fairly certain	Uncharred	0	0	1-10/liter
85869	296	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	2(0)	0	N/A
85869	296	*Echinocereus*	Hedgehog cactus	Seed	Positive	Uncharred	0	0	1-10/liter
85869	296	*Juniperus*	Juniper	Female cone	Positive	Uncharred	0	0	1-10/liter
85869	296	*Juniperus*	Juniper	Male cone	Positive	Uncharred	0	0	1-10/liter
85869	296	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
85869	296	*Juniperus*	Juniper	Twig	Positive	Charred	0	0	1-10/liter
85869	296	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
85869	296	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
85869	296	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
85869	296	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
85869	296	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	11-25/liter
85869	296	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	<0.1	N/A
85869	296	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
85869	297	Compositae	Sunflower family	Achene	Positive	Uncharred	0	0	1-10/liter
85869	297	*Euphorbia*	Spurge	Seed	Positive	Uncharred	0	0	1-10/liter
85869	297	Portulacaceae	Purslane family	Seed	Fairly certain	Uncharred	0	0	1-10/liter
85869	297	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	1(0)	0	N/A
85869	297	*Echinocereus*	Hedgehog cactus	Seed	Positive	Uncharred	0	0	1-10/liter
85869	297	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	<0.1	N/A
85869	297	*Juniperus*	Juniper	Female cone	Positive	Uncharred	0	0	1-10/liter
85869	297	*Juniperus*	Juniper	Male cone	Positive	Uncharred	0	0	1-10/liter
85869	297	*Juniperus*	Juniper	Twig	Positive	Charred	0	0	1-10/liter
85869	297	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	25-100/liter
85869	297	*Pinus*	Pine	Male cone	Positive	Uncharred	0	0	1-10/liter
85869	297	*Pinus*	Pine	Twig	Positive	Uncharred	0	0	1-10/liter
85869	297	*Pinus*	Pine	Umbo	Positive	Charred	0	0	1-10/liter
85869	297	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
85869	297	*Pinus*	Pine	Wood	Positive	Charred	3	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
85869	297	*Pinus edulis*	Piñon	Needle	Positive	Charred	0	0	1-10/liter
85869	297	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	25-100/liter
85869	297	*Pinus edulis*	Piñon	Needle spindle gall	Positive	Uncharred	0	0	1-10/liter
85869	297	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
85869	297	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
85869	297	*Rumex*	Dock	Seed	Positive	Uncharred	0	0	1-10/liter
85869	318	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
85869	318	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
85869	318	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	0	0	1-10/liter
85869	318	*Quercus*	Oak	Leaf	Positive	Uncharred	0	0	1-10/liter
86605	77	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
86605	77	*Portulacaceae*	Purslane family	Seed	Uncharred	Positive			1-10/liter
86605	77	*Echinocereus*	Hedgehog cactus	Seed	Uncharred	Positive			1-10/liter
86605	77	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
86605	77	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
86605	77	*Pinus edulis*	Piñon	Wood	Charred	Positive	1	0.2	N/A
86605	77	*Zea mays*	Maize	Cupule	Charred	Positive	1(0)		N/A
86605	77	Gymnospermae	Unknown conifer	Wood	Charred	Positive	14	0.3	N/A
86605	77	Indeterminate	Indeterminate	Unknown	Charred	Positive	2(0)		N/A
86605	77	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	5	0.2	N/A
86605	94	*Helianthus*	Sunflower	Achene	Uncharred	Positive			1-10/liter
86605	94	*Physalis*	Groundcherry	Seed	Uncharred	Positive			1-10/liter
86605	94	Gramineae	Grass family	Caryopsis	Uncharred	Positive			1-10/liter
86605	94	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
86605	94	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
86605	94	*Artemisia*	Sagebrush	Wood	Charred	Fairly certain	1	<0.1	N/A
86605	94	*Populus/Salix*	Cottonwood/willow	Wood	Charred	Positive	1	<0.1	N/A
86605	94	*Zea mays*	Maize	Cupule	Charred	Positive	1(0)		N/A
86605	94	Gramineae	Grass family	Caryopsis	Charred	Fairly certain	1(0)		N/A
86605	94	*Cercocarpus*	Mountain mahogany	Wood	Charred	Positive	3	0.1	N/A
86605	94	Gymnospermae	Unknown conifer	Wood	Charred	Positive	3	<0.1	N/A
86605	94	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	4	0.1	N/A
86605	107	*Portulacaceae*	Purslane family	Seed	Uncharred	Positive			1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
86605	107	*Echinocereus*	Hedgehog cactus	Seed	Uncharred	Positive			1-10/liter
86605	107	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Fairly certain	4	0.3	N/A
86606	85	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred			1-10/liter
86606	85	*Portulaca*	Purslane	Seed	Positive	Charred	1(1)		N\A
86606	85	Gramineae	Grass Family	Culm	Positive	Charred			1-10/liter
86606	85	*Sporobolus*	Dropseed Grass	Caryopsis	Positive	Uncharred			1-10/liter
86606	85	Indeterminate	Indeterminate	Unknown	Positive	Charred	2(0)		N\A
86606	85	*Pinus*	Pine	Umbo	Positive	Charred			1-10/liter
86606	85	*Pinus ponderosa*	Ponderosa Pine	Needle	Positive	Charred			1-10/liter
86606	85	*Pinus ponderosa*	Ponderosa Pine	Wood	Positive	Charred	20	0.8	N\A
86606	91	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred			1-10/liter
86606	91	*Cercocarpus*	Mountain Mahogany	Wood	Positive	Charred	10	0.6	N\A
86606	91	*Pinus edulis*	Piñon	Wood	Fairly Certain	Charred	2	0.2	N\A
86606	91	*Pinus ponderosa*	Ponderosa Pine	Needle	Positive	Charred			1-10/liter
86606	91	*Pinus ponderosa*	Ponderosa Pine	Wood	Positive	Charred	7	0.6	N\A
86606	91	*Quercus*	Oak	Wood	Positive	Charred	1	0.1	N\A
86606	92	Indeterminate	Indeterminate	Unknown	Positive	Charred	1(0)		N\A
86606	92	*Cercocarpus*	Mountain Mahogany	Wood	Positive	Charred	12	0.2	N\A
86606	92	Gymnospermae	Unknown Conifer	Wood	Positive	Charred	4	0.1	N\A
86606	92	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N\A
86606	92	*Pinus ponderosa*	Ponderosa Pine	Needle	Positive	Charred			1-10/liter
86606	92	*Quercus*	Oak	Wood	Positive	Charred	3	0.1	N\A
86607	9	*Pinus ponderosa*	Ponderosa Pine	Wood	Positive	Charred	1	<0.1	N\A
87430	26	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
87430	26	Gramineae	Grass family	Caryopsis	Uncharred	Positive			1-10/liter
87430	26	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
87430	26	*Rumex*	Dock	Seed	Uncharred	Fairly certain			1-10/liter
87430	26	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
87430	26	Gymnospermae	Unknown conifer	Wood	Charred	Positive	1	0.1	N/A
87430	26	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	6	0.7	N/A
87430	122	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
87430	122	Monocotyledonae	Monocot	Stem	Charred	Fairly certain			1-10/liter
87430	122	*Quercus*	Oak	Wood	Charred	Positive	11	0.2	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
87430	138	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
87430	138	*Cleome*	Beeweed	Seed	Charred	Fairly certain	1(1)		N/A
87430	138	Gymnospermae	Unknown conifer	Wood	Charred	Positive	6	0.1	N/A
87430	139	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
87430	139	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
87430	139	*Zea mays*	Maize	Cupule	Charred	Positive	1(0)		N/A
87430	139	*Zea mays*	Maize	Kernel	Charred	Positive	1(1)		N/A
87430	139	Gymnospermae	Unknown conifer	Wood	Charred	Positive	2	<0.1	N/A
87430	139	*Pinus*	Pine	Wood	Charred	Positive	2	<0.1	N/A
87430	143	Gymnospermae	Unknown conifer	Wood	Charred	Positive	11	0.3	N/A
87430	143	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	2	1.3	N/A
87430	143	*Pinus edulis*	Piñon	Wood	Charred	Positive	4	0.3	N/A
87430	170	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
87430	170	*Pinus edulis*	Piñon	Needle	Charred	Positive			1-10/liter
87430	170	*Artemisia*	Sagebrush	Wood	Charred	Fairly certain	1	<0.1	N/A
87430	170	*Cercocarpus*	Mountain mahogany	Wood	Charred	Positive	1	<0.1	N/A
87430	170	*Zea mays*	Maize	Kernel	Charred	Fairly certain	1(0)		N/A
87430	170	*Cleome*	Beeweed	Seed	Charred	Positive	1(1)		N/A
87430	170	Gymnospermae	Unknown conifer	Wood	Charred	Positive	6	0.7	N/A
87430	170	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Fairly certain	7	0.5	N/A
87430	171	*Zea mays*	Maize	Stalk	Charred	Resembles taxon			1-10/liter
87430	171	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
87430	171	*Cercocarpus*	Mountain mahogany	Wood	Charred	Positive	2	<0.1	N/A
87430	171	*Pinus*	Pine	Wood	Charred	Positive	2	<0.1	N/A
87430	171	Gymnospermae	Unknown conifer	Wood	Charred	Positive	3	<0.1	N/A
87430	171	*Quercus*	Oak	Wood	Charred	Positive	4	<0.1	N/A
87430	171	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	9	0.2	N/A
87430	172	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
87430	172	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
87430	172	Gymnospermae	Unknown conifer	Wood	Charred	Positive	17	0.8	N/A
87430	172	*Portulaca*	Purslane	Seed	Charred	Positive	2(2)		N/A
87430	172	*Pinus*	Pine	Wood	Charred	Positive	3	0.2	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
87430	173	*Pinus edulis*	Piñon	Needle	Charred	Positive			1-10/liter
87430	173	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
87430	173	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
87430	173	*Cercocarpus*	Mountain mahogany	Wood	Charred	Positive	1	<0.1	N/A
87430	173	*Pinus*	Pine	Wood	Charred	Positive	1	<0.1	N/A
87430	173	*Zea mays*	Maize	Cupule	Charred	Positive	1(0)		N/A
87430	173	Indeterminate	Indeterminate	Unknown	Charred	Positive	1(0)		N/A
87430	173	*Zea mays*	Maize	Kernel	Charred	Positive	1(0)		N/A
87430	173	Gymnospermae	Unknown conifer	Wood	Charred	Positive	14	0.5	N/A
87430	173	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	3	0.1	N/A
87430	175	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
87430	175	*Pseudotsuga menziesii*	Douglas fir	Needle	Charred	Fairly certain			1-10/liter
87430	175	*Cercocarpus*	Mountain mahogany	Wood	Charred	Positive	1	<0.1	N/A
87430	175	*Portulaca*	Purslane	Seed	Charred	Positive	1(1)		N/A
87430	175	*Cleome*	Beeweed	Seed	Charred	Fairly certain	2(2)		N/A
87430	175	Indeterminate	Indeterminate	Unknown	Charred	Positive	4(0)		N/A
87430	175	Gymnospermae	Unknown conifer	Wood	Charred	Positive	6	0.1	N/A
87430	175	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	9	0.1	N/A
87430	176	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
87430	176	*Pinus edulis*	Piñon	Needle	Charred	Positive			1-10/liter
87430	176	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
87430	176	*Pseudotsuga menziesii*	Douglas fir	Needle	Charred	Fairly certain			1-10/liter
87430	176	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
87430	176	Indeterminate	Indeterminate	Seed	Charred	Positive		1(0)	N/A
87430	176	Gymnospermae	Unknown conifer	Wood	Charred	Positive	5	0.1	N/A
87430	176	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	8	0.2	N/A
87430	177	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
87430	177	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
87430	177	*Chenopodium*	Goosefoot	Seed	Charred	Positive	1(1)		N/A
87430	177	*Portulaca*	Purslane	Seed	Charred	Positive	1(1)		N/A
87430	177	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	13	0.4	N/A
87430	177	*Cercocarpus*	Mountain mahogany	Wood	Charred	Positive	2	<0.1	N/A
99396	438	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
99396	438	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
99396	438	Portulacaceae	Purslane family	Seed	Fairly certain	Uncharred	0	0	1-10/liter
99396	438	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	<0.1	N/A
99396	438	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
99396	493	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
99396	493	*Portulaca*	Purslane	Seed	Positive	Uncharred	0	0	1-10/liter
99396	493	Portulacaceae	Purslane family	Seed	Fairly certain	Uncharred	0	0	1-10/liter
99396	493	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	1(0)	0	N/A
99396	493	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
99396	493	*Pinus edulis*	Piñon	Wood	Positive	Charred	5	0.3	N/A
99396	608	*Amaranthus*	Pigweed	Seed	Positive	Uncharred	0	0	1-10/liter
99396	608	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
99396	608	*Portulaca*	Purslane	Seed	Positive	Charred	1(1)	0	N/A
99396	608	Gramineae	Grass family	Caryopsis	Positive	Uncharred	0	0	1-10/liter
99396	608	*Sporobolus*	Dropseed grass	Caryopsis	Positive	Uncharred	0	0	1-10/liter
99396	608	Gymnospermae	Unknown conifer	Wood	Positive	Charred	6	0.4	N/A
99396	608	*Juniperus*	Juniper	Male cone	Positive	Uncharred	0	0	1-10/liter
99396	608	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
99396	608	*Juniperus*	Juniper	Wood	Positive	Charred	3	0.1	N/A
99396	608	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
99396	608	*Pinus edulis*	Piñon	Wood	Positive	Charred	11	0.6	N/A
99396	712	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
99396	712	Compositae	Sunflower family	Achene	Positive	Uncharred	0	0	1-10/liter
99396	712	Gramineae	Grass family	Floret	Positive	Uncharred	0	0	1-10/liter
99396	712	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	0.1	N/A
99396	712	*Pinus*	Pine	Bark scale	Positive	Charred	0	0	1-10/liter
99396	712	*Pinus edulis*	Piñon	Wood	Positive	Charred	15	0.3	N/A
99396	753	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
99396	753	*Pinus edulis*	Piñon	Needle	Fairly certain	Charred	0	0	1-10/liter
99396	753	*Pinus edulis*	Piñon	Wood	Positive	Charred	7	0.1	N/A
99396	753	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
99396	753	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1	N/A
99396	758	*Pinus edulis*	Piñon	Wood	Positive	Charred	5	0.1	N/A
99396	758	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
99397	301	Compositae	Sunflower family	Achene	Positive	Uncharred	0	0	1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
99397	301	*Portulacaceae*	Purslane family	Seed	Fairly certain	Uncharred	0	0	1-10/liter
99397	301	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
99397	301	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
99397	301	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
99397	302	*Echinocereus*	Hedgehog cactus	Seed	Positive	Uncharred	0	0	1-10/liter
99397	302	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	<0.1	N/A
99397	302	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
99397	313	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred	0	0	1-10/liter
99397	313	Compositae	Sunflower family	Achene	Positive	Uncharred	0	0	1-10/liter
99397	313	*Physalis*	Groundcherry	Seed	Positive	Uncharred	0	0	1-10/liter
99397	313	Gramineae	Grass family	Leaf	Positive	Uncharred	0	0	1-10/liter
99397	313	Dicotyledonae	Dicot	Leaf	Positive	Uncharred	0	0	1-10/liter
99397	313	*Echinocereus*	Hedgehog cactus	Seed	Positive	Uncharred	0	0	1-10/liter
99397	313	*Juniperus*	Juniper	Male cone	Positive	Uncharred	0	0	1-10/liter
99397	313	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0	1-10/liter
99397	313	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
99397	313	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0	1-10/liter
99397	313	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
99397	314	Gramineae	Grass family	Leaf	Positive	Uncharred	0	0	1-10/liter
99397	314	Gramineae	Grass family	Rhizome	Positive	Uncharred	0	0	1-10/liter
99397	314	*Echinocereus*	Hedgehog cactus	Seed	Positive	Uncharred	0	0	1-10/liter
99397	314	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
99397	314	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
99397	315	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
99397	316	Gramineae	Grass family	Leaf	Positive	Uncharred	0	0	1-10/liter
99397	316	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
99397	331	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0	1-10/liter
99397	331	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0	1-10/liter
99397	331	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred	0	0	1-10/liter
99397	331	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred	0	0	1-10/liter
127627	9	*Amaranthus*	Pigweed	Seed	Uncharred	Positive			1-10/liter
127627	9	*Pinus edulis*	Piñon	Needle	Charred	Positive			1-10/liter
127627	9	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
127627	9	*Pinus*	Pine	Umbo	Charred	Positive			1-10/liter
127627	9	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Charred	Positive	1(0)		N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
127627	9	Indeterminate	Indeterminate	Seed	Charred	Positive	1(0)		N/A
127627	9	*Pinus*	Pine	Wood	Charred	Positive	2	<0.1	N/A
127627	9	*Zea mays*	Maize	Cupule	Charred	Positive	2(1)		N/A
127627	9	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	3	<0.1	N/A
127627	9	Gymnospermae	Unknown conifer	Wood	Charred	Positive	5	0.1	N/A
127627	9	Indeterminate	Indeterminate	Unknown	Charred	Positive	5(0)		N/A
127627	31	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
127627	31	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
127627	31	Indeterminate	Indeterminate	Seed	Charred	Positive	1(0)		N/A
127627	31	*Zea mays*	Maize	Cupule segment	Charred	Positive	1(1)		N/A
127627	31	Gymnospermae	Unknown conifer	Wood	Charred	Positive	2	<0.1	N/A
127627	31	*Quercus*	Oak	Wood	Charred	Positive	2	<0.1	N/A
127627	31	Indeterminate	Indeterminate	Unknown	Charred	Positive	2(0)		N/A
127627	31	*Zea mays*	Maize	Cupule	Charred	Positive	2(1)		N/A
127627	31	*Pinus*	Pine	Wood	Charred	Positive	3	0.1	N/A
127627	31	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	3	0.2	N/A
127627	52	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
127627	52	*Portulaca*	Purslane	Seed	Uncharred	Positive			1-10/liter
127627	52	*Euphorbia*	Spurge	Seed	Uncharred	Positive			1-10/liter
127627	52	Gramineae	Grass family	Culm	Uncharred	Positive			1-10/liter
127627	52	Gramineae	Grass family	Floret	Uncharred	Positive			1-10/liter
127627	52	*Oryzopsis hymenoides*	Ricegrass	Caryopsis	Uncharred	Positive			1-10/liter
127627	52	*Juniperus*	Juniper	Twig	Charred	Positive			1-10/liter
127627	52	*Juniperus*	Juniper	Twig	Uncharred	Positive			1-10/liter
127627	52	*Pinus*	Pine	Bark scale	Charred	Positive			1-10/liter
127627	52	*Pinus*	Pine	Umbo	Charred	Positive			1-10/liter
127627	52	*Pinus*	Pine	Umbo	Uncharred	Positive			1-10/liter
127627	52	*Pinus edulis*	Piñon	Needle	Charred	Positive			1-10/liter
127627	52	*Pinus edulis*	Piñon	Needle	Uncharred	Positive			1-10/liter
127627	52	*Pinus ponderosa*	Ponderosa pine	Fascicle	Charred	Positive			1-10/liter
127627	52	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
127627	52	*Pseudotsuga menziesii*	Douglas fir	Needle	Uncharred	Fairly certain			1-10/liter
127627	52	*Lactuca*	Wild lettuce	Achene	Uncharred	Fairly certain			1-10/liter
127627	52	*Pinus edulis*	Piñon	Seed	Uncharred	Positive			1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
127627	52	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			25-100/liter
127627	52	*Pinus*	Pine	Wood	Charred	Positive	1	0.4	N/A
127627	52	Gymnospermae	Unknown conifer	Wood	Charred	Positive	1	<0.1	N/A
127627	52	*Juniperus*	Juniper	Wood	Charred	Positive	1	<0.1	N/A
127627	52	*Zea mays*	Maize	Cupule	Charred	Positive	1(0)		N/A
127627	52	Unknown # 1	Unknown # 1	Seed	Charred	Positive	1(1)		N/A
127627	52	*Pinus*	Pine	Seed	Charred	Fairly certain	1(1)		N/A
127627	52	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	2	0.1	N/A
127627	52	Indeterminate	Indeterminate	Unknown	Charred	Positive	3(2)		N/A
127633	4	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
127633	4	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
127633	4	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	1	<0.1	N/A
127633	6	*Pinus ponderosa*	Ponderosa pine	Needle	Partially charred	Positive			1-10/liter
127633	6	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
127633	6	*Chenopodium*	Goosefoot	Seed	Charred	Positive	1(1)		N/A
127633	6	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	4	0.1	N/A
127633	6	Indeterminate	Indeterminate	Unknown	Charred	Positive	4(0)		N/A
127633	10	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
127633	10	Gymnospermae	Unknown conifer	Wood	Charred	Positive	1	<0.1	N/A
127633	10	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	1	<0.1	N/A
127633	14	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
127633	14	Indeterminate	Indeterminate	Unknown	Charred	Positive	1(0)		N/A
127633	14	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	2	0.1	N/A
127634	39	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
127634	39	*Pinus edulis*	Piñon	Needle	Charred	Positive			1-10/liter
127634	39	*Pinus edulis*	Piñon	Needle	Uncharred	Positive			1-10/liter
127634	39	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
127634	39	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
127634	39	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	13	0.6	N/A
127634	39	*Artemisia*	Sagebrush	Wood	Charred	Positive	2	0.1	N/A
127634	39	*Pinus*	Pine	Wood	Charred	Positive	2	0.2	N/A
127634	39	*Quercus*	Oak	Wood	Charred	Positive	3	<0.1	N/A
127634	39	*Zea mays*	Maize	Cupule	Charred	Positive	6(2)		N/A
127634	84	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
127634	84	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
127634	84	*Cercocarpus*	Mountain mahogany	Wood	Charred	Positive	1	<0.1	N/A
127634	84	Gymnospermae	Unknown conifer	Wood	Charred	Positive	1	<0.1	N/A
127634	84	*Populus/salix*	Cottonwood/willow	Wood	Charred	Fairly certain	1	<0.1	N/A
127634	84	*Zea mays*	Maize	Cupule	Charred	Fairly certain	1(0)		N/A
127634	84	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	11	0.7	N/A
127634	84	*Pinus*	Pine	Wood	Charred	Positive	3	<0.1	N/A
127634	105	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
127634	105	*Zea mays*	Maize	Cupule	Charred	Positive	1(0)		N/A
127634	105	*Zea mays*	Maize	Embryo	Charred	Positive	1(1)		N/A
127634	105	*Pinus*	Pine	Wood	Charred	Positive	4	0.1	N/A
127634	105	*Quercus*	Oak	Wood	Charred	Positive	4	<0.1	N/A
127634	105	Gymnospermae	Unknown conifer	Wood	Charred	Positive	7	0.2	N/A
127634	106	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
127634	106	*Pinus edulis*	Piñon	Needle	Uncharred	Positive			1-10/liter
127634	106	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
127634	106	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
127634	106	*Pinus*	Pine	Wood	Charred	Positive	1	<0.1	N/A
127634	106	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Fairly certain	1	<0.1	N/A
127634	106	*Cleome*	Beeweed	Seed	Charred	Fairly certain	1(1)		N/A
127634	106	*Zea mays*	Maize	Cupule	Charred	Positive	3(0)		N/A
127634	106	Gymnospermae	Unknown conifer	Wood	Charred	Positive	5	0.1	N/A
127634	106	*Phaseolus*	Bean	Cotyledon	Charred	Fairly certain	5(0)		N/A
127634	106	Indeterminate	Indeterminate	Unknown	Charred	Positive	2(0)		N/A
127634	107	*Juniperus*	Juniper	Twig	Uncharred	Positive			1-10/liter
127634	107	*Pinus edulis*	Piñon	Needle	Uncharred	Positive			1-10/liter
127634	107	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
127634	107	Unknown non-conifer	Unknown non-conifer	Wood	Charred	Positive	2	<0.1	N/A
127634	107	Indeterminate	Indeterminate	Unknown	Charred	Positive	2(0)		N/A
127634	107	*Phaseolus*	Bean	Cotyledon	Charred	Positive	5(0)		N/A
127634	107	*Cleome*	Beeweed	Seed	Charred	Fairly certain	7(6)		N/A
127634	107	Gymnospermae	Unknown conifer	Wood	Charred	Positive	9	0.3	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
127634	108	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
127634	108	*Cercocarpus*	Mountain mahogany	Wood	Charred	Positive	1	<0.1	N/A
127634	108	*Pinus*	Pine	Wood	Charred	Positive	1	<0.1	N/A
127634	108	*Zea mays*	Maize	Embryo	Partially charred	Positive	1(0)		N/A
127634	108	*Nicotiana*	Tobacco	Seed	Charred	Positive	1(1)		N/A
127634	108	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Fairly certain	15	0.7	N/A
127634	108	*Zea mays*	Maize	Cupule	Charred	Positive	2(0)		N/A
127634	108	*Cleome*	Beeweed	Seed	Charred	Fairly certain	2(2)		N/A
127634	108	Gymnospermae	Unknown conifer	Wood	Charred	Positive	3	<0.1	N/A
127634	109	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
127634	109	*Cleome*	Beeweed	Seed	Partially charred	Fairly certain	1(0)		N/A
127634	109	*Zea mays*	Maize	Cupule	Charred	Positive	1(0)		N/A
127634	109	*Zea mays*	Maize	Embryo	Partially charred	Fairly certain	2(0)		N/A
127634	109	Gymnospermae	Unknown conifer	Wood	Charred	Positive	5	0.1	N/A
127634	109	*Pinus*	Pine	Wood	Charred	Positive	6	0.1	N/A
127634	109	*Cleome*	Beeweed	Seed	Charred	Fairly certain	7(7)		N/A
127634	110	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
127634	110	*Pinus*	Pine	Wood	Charred	Positive	1	<0.1	N/A
127634	110	Gymnospermae	Unknown conifer	Wood	Charred	Positive	2	<0.1	N/A
127634	110	*Cleome*	Beeweed	Seed	Charred	Fairly certain	3(0)		N/A
127634	110	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	5	0.4	N/A
127634	111	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
127634	111	*Cleome*	Beeweed	Seed	Charred	Fairly certain	1(1)		N/A
127634	111	*Pinus*	Pine	Wood	Charred	Positive	3	0.2	N/A
127634	111	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	3	<0.1	N/A
127634	112	*Pinus edulis*	Piñon	Needle	Charred	Positive			1-10/liter
127634	112	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
127634	112	*Cleome*	Beeweed	Seed	Charred	Positive	1(1)		N/A
127634	112	*Yucca baccata*	Banana yucca	Seed	Charred	Positive	1(1)		N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
127634	112	*Cercocarpus*	Mountain mahogany	Wood	Charred	Positive	2	<0.1	N/A
127634	112	Gymnospermae	Unknown conifer	Wood	Charred	Positive	2	<0.1	N/A
127634	112	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Fairly certain	2	<0.1	N/A
127634	117	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
127634	117	*Pinus edulis*	Piñon	Needle	Uncharred	Positive			1-10/liter
127634	117	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
127634	117	*Quercus*	Oak	Wood	Charred	Fairly certain	1	<0.1	N/A
127634	117	*Chenopodium*	Goosefoot	Seed	Charred	Positive	1(1)		N/A
127634	117	Gymnospermae	Unknown conifer	Wood	Charred	Positive	2	<0.1	N/A
127634	117	*Artemisia*	Sagebrush	Wood	Charred	Positive	3	0.1	N/A
127634	117	*Pinus edulis*	Piñon	Wood	Charred	Positive	3	0.5	N/A
127634	117	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	5	0.2	N/A
127634	117	*Pinus*	Pine	Wood	Charred	Positive	6	0.6	N/A
127634	120	*Pinus edulis*	Piñon	Needle	Charred	Positive			1-10/liter
127634	120	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
127634	120	*Pinus*	Pine	Bark scale	Charred	Positive			1-10/liter
127634	120	*Zea mays*	Maize	Kernel	Charred	Positive	1(0)		N/A
127634	120	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	16	1.4	N/A
127634	120	*Pinus edulis*	Piñon	Wood	Charred	Fairly certain	2	0.9	N/A
127634	120	*Quercus*	Oak	Wood	Charred	Positive	2	<0.1	N/A
127634	120	*Zea mays*	Maize	Cupule	Charred	Positive	2(0)		N/A
127634	121	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
127634	121	*Juniperus*	Juniper	Twig	Charred	Positive			1-10/liter
127634	121	*Pinus edulis*	Piñon	Needle	Charred	Positive			1-10/liter
127634	121	*Pinus edulis*	Piñon	Needle	Uncharred	Positive			1-10/liter
127634	121	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
127634	121	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
127634	121	*Pinus*	Pine	Bark scale	Charred	Positive			1-10/liter
127634	121	*Zea mays*	Maize	Cupule	Charred	Positive	1(0)		N/A
127634	121	*Cleome*	Beeweed	Seed	Partially charred	Positive	1(1)		N/A
127634	121	*Corispermum*	Bugseed	Seed	Charred	Positive	1(1)		N/A
127634	121	*Pinus*	Pine	Wood	Charred	Positive	5	0.2	N/A
127634	121	Gymnospermae	Unknown conifer	Wood	Charred	Positive	7	0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
127634	121	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	8	0.1	N/A
127634	122	*Pinus*	Pine	Bark scale	Charred	Positive			1-10/liter
127634	122	*Pinus edulis*	Piñon	Needle	Charred	Positive			1-10/liter
127634	122	*Pinus edulis*	Piñon	Needle	Uncharred	Positive			1-10/liter
127634	122	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
127634	122	*Cucurbita*	Squash/coyote gourd	Rind	Charred	Resembles taxon			1-10/liter
127634	122	*Zea mays*	Maize	Cupule	Charred	Positive	1(1)		N/A
127634	122	*Cercocarpus*	Mountain mahogany	Wood	Charred	Positive	2	0.1	N/A
127634	122	Gymnospermae	Unknown conifer	Wood	Charred	Positive	3	<0.1	N/A
127635	45	*Pinus edulis*	Piñon	Needle	Charred	Positive			1-10/liter
127635	45	*Pinus edulis*	Piñon	Needle	Uncharred	Positive			1-10/liter
127635	45	*Pinus ponderosa*	Ponderosa pine	Fascicle	Charred	Positive			1-10/liter
127635	45	*Pinus ponderosa*	Ponderosa pine	Fascicle	Uncharred	Positive			1-10/liter
127635	45	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
127635	45	*Pinus*	Pine	Bark scale	Charred	Positive			1-10/liter
127635	45	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			11-25/liter
127635	45	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			11-25/liter
127635	45	Gymnospermae	Unknown conifer	Wood	Charred	Positive	1	<0.1	N/A
127635	45	*Pinus*	Pine	Wood	Charred	Positive	3	0.1	N/A
127635	45	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	4	0.1	N/A
127635	53	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
127635	53	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
127635	53	*Cucurbita*	Squash/coyote gourd	Rind	Charred	Fairly certain			1-10/liter
127635	53	*Zea mays*	Maize	Cupule	Charred	Resembles taxon	1(0)		N/A
127635	53	*Zea mays*	Maize	Cupule	Charred	Positive	1(0)		N/A
127635	53	*Cercocarpus*	Mountain mahogany	Wood	Charred	Positive	18	0.6	N/A
127635	53	Gymnospermae	Unknown conifer	Wood	Charred	Positive	2	0.1	N/A
127635	105	*Pinus*	Pine	Bark scale	Charred	Positive			1-10/liter
127635	105	*Cercocarpus*	Mountain mahogany	Wood	Charred	Positive	1	<0.1	N/A
127635	105	*Zea mays*	Maize	Cupule	Charred	Fairly certain	1(0)		N/A
127635	105	*Nicotiana*	Tobacco	Seed	Charred	Positive	1(1)		N/A
127635	105	*Artemisia*	Sagebrush	Wood	Charred	Positive	2	<0.1	N/A
127635	105	*Chenopodium/*	Cheno-am	Seed	Charred	Positive	2(2)		N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
		Amaranthus							
127635	105	*Zea mays*	Maize	Embryo	Charred	Positive	2(2)		N/A
127635	105	*Zea mays*	Maize	Kernel	Charred	Fairly certain	26(0)		N/A
127635	105	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	3	0.1	N/A
127635	105	Gymnospermae	Unknown conifer	Wood	Charred	Positive	3	<0.1	N/A
127635	105	*Cleome*	Beeweed	Seed	Charred	Fairly certain	3(1)		N/A
127635	105	*Zea mays*	Maize	Embryo	Partially charred	Positive	3(2)		N/A
127635	105	*Pinus edulis*	Piñon	Wood	Charred	Positive	4	0.1	N/A
127635	105	*Quercus*	Oak	Wood	Charred	Positive	4	<0.1	N/A
127635	116	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
127635	116	*Pinus edulis*	Piñon	Needle	Charred	Positive			1-10/liter
127635	116	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
127635	116	Indeterminate	Indeterminate	Unknown	Charred	Positive	1(0)		N/A
127635	116	*Cercocarpus*	Mountain mahogany	Wood	Charred	Positive	2	<0.1	N/A
127635	116	*Pinus*	Pine	Wood	Charred	Positive	3	0.2	N/A
127635	116	Gymnospermae	Unknown conifer	Wood	Charred	Positive	7	0.3	N/A
127635	116	*Pinus edulis*	Piñon	Wood	Charred	Positive	8	0.4	N/A
127635	123	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
127635	123	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
127635	123	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
127635	123	Gymnospermae	Unknown conifer	Wood	Charred	Positive	1	<0.1	N/A
127635	123	*Corispermum*	Bugseed	Seed	Charred	Fairly certain	1(0)		N/A
127635	123	*Zea mays*	Maize	Embryo	Charred	Positive	16(11)		N/A
127635	123	*Cleome*	Beeweed	Seed	Charred	Fairly certain	3(2)		N/A
127635	123	*Nicotiana*	Tobacco	Seed	Charred	Positive	5(5)		N/A
127635	123	*Zea mays*	Maize	Kernel	Charred	Positive	50(1)		N/A
127635	124	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
127635	124	*Pinus edulis*	Piñon	Needle	Uncharred	Positive			1-10/liter
127635	124	*Pinus ponderosa*	Ponderosa pine	Needle	Partially charred	Positive			1-10/liter
127635	124	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
127635	124	*Nicotiana*	Tobacco	Seed	Charred	Positive		6(6)	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
127635	124	*Cleome*	Beeweed	Seed	Partially charred	Positive	1(0)		N/A
127635	124	*Zea mays*	Maize	Kernel	Charred	Positive	16(0)		N/A
127635	124	Gymnospermae	Unknown conifer	Wood	Charred	Positive	2	<0.1	N/A
127635	124	*Cleome*	Beeweed	Seed	Charred	Positive	4(3)		N/A
127635	124	*Juniperus*	Juniper	Wood	Charred	Fairly certain	5	0.1	N/A
127635	124	*Zea mays*	Maize	Embryo	Charred	Positive	5(3)		N/A
127635	124	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	6	0.1	N/A
127635	124	*Cercocarpus*	Mountain mahogany	Wood	Charred	Positive	7	<0.1	N/A
127635	125	*Pinus*	Pine	Bark scale	Charred	Positive			1-10/liter
127635	125	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
127635	125	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
127635	125	*Populus/salix*	Cottonwood/willow	Wood	Charred	Fairly certain	1	<0.1	N/A
127635	125	*Echinocereus*	Hedgehog cactus	Seed	Charred	Positive	1(0)		N/A
127635	125	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Charred	Positive	1(1)		N/A
127635	125	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	3	0.1	N/A
127635	125	*Nicotiana*	Tobacco	Seed	Charred	Positive	3(3)		N/A
127635	125	*Zea mays*	Maize	Kernel	Charred	Positive	37(0)		N/A
127635	125	Gymnospermae	Unknown conifer	Wood	Charred	Positive	4	<0.1	N/A
127635	125	*Cleome*	Beeweed	Seed	Charred	Positive	4(3)		N/A
127635	125	*Zea mays*	Maize	Embryo	Charred	Positive	5(3)		N/A
127635	126	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
127635	126	*Juniperus*	Juniper	Wood	Charred	Fairly certain	1	<0.1	N/A
127635	126	*Pinus*	Pine	Wood	Charred	Positive	1	<0.1	N/A
127635	126	*Cleome*	Beeweed	Seed	Charred	Fairly certain	1(0)		N/A
127635	126	*Zea mays*	Maize	Cupule	Charred	Positive	1(0)		N/A
127635	126	*Cleome*	Beeweed	Seed	Charred	Positive	1(1)		N/A
127635	126	*Zea mays*	Maize	Kernel	Charred	Positive	17(0)		N/A
127635	126	Gymnospermae	Unknown conifer	Wood	Charred	Positive	2	<0.1	N/A
127635	126	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	2	<0.1	N/A
127635	126	*Quercus*	Oak	Wood	Charred	Positive	2	<0.1	N/A
127635	126	*Zea mays*	Maize	Embryo	Charred	Positive	5(4)		N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
127635	126	*Nicotiana*	Tobacco	Seed	Charred	Positive	5(5)		N/A
127635	135	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
127635	135	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
127635	141	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
127635	141	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
127635	141	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
127635	141	Indeterminate	Indeterminate	Unknown	Charred	Positive	1(0)		N/A
127635	141	*Zea mays*	Maize	Cupule	Charred	Positive	2(0)		N/A
127635	141	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	20	0.3	N/A
135291	30	*Amaranthus*	Pigweed	Seed	Uncharred	Positive			N/A
135291	30	*Portulaca*	Purslane	Seed	Uncharred	Positive			1-10/liter
135291	30	*Compositae*	Sunflower family	Achene	Uncharred	Positive			1-10/liter
135291	30	*Echinocereus*	Hedgehog cactus	Seed	Uncharred	Positive			1-10/liter
135291	30	*Juniperus*	Juniper	Twig	Charred	Positive			1-10/liter
135291	30	*Juniperus*	Juniper	Twig	Uncharred	Positive			1-10/liter
135291	30	*Pinus ponderosa*	Ponderosa pine	Fascicle	Charred	Positive			1-10/liter
135291	30	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
135291	30	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
135291	30	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			11-25/liter
135291	30	*Pinus*	Pine	Wood	Charred	Positive	1	<0.1	N/A
135291	30	Gymnospermae	Unknown conifer	Wood	Charred	Positive	5	0.1	N/A
135291	30	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	7	<0.1	N/A
135291	32	*Helianthus*	Sunflower	Achene	Uncharred	Positive			1-10/liter
135291	32	Compositae	Sunflower family	Achene	Uncharred	Positive			1-10/liter
135291	32	Fabaceae	Bean family	Seed	Uncharred	Positive			1-10/liter
135291	32	*Juniperus*	Juniper	Twig	Uncharred	Positive			1-10/liter
135291	32	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
135291	32	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
135291	32	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			11-25/liter
135291	32	*Portulaca*	Purslane	Seed	Uncharred	Positive			11-25/liter
135291	32	Gymnospermae	Unknown conifer	Wood	Charred	Positive	2	<0.1	N/A
135291	32	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	2	<0.1	N/A
135291	58	*Amaranthus*	Pigweed	Seed	Uncharred	Positive			1-10/liter
135291	58	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
135291	58	Compositae	Composite family	Achene	Uncharred	Positive			1-10/liter
135291	58	*Euphorbia*	Spurge	Seed	Uncharred	Positive			1-10/liter
135291	32	Gymnospermae	Unknown conifer	Wood	Charred	Positive	1	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135291	58	*Juniperus*	Juniper	Twig	Charred	Positive			1-10/liter
135291	58	*Juniperus*	Juniper	Twig	Uncharred	Positive			1-10/liter
135291	58	*Pinus edulis*	Piñon	Needle	Charred	Positive			1-10/liter
135291	58	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
135291	58	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
135291	58	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	1	<0.1	N/A
135291	58	Polygonaceae	Knotweed family	Seed	Uncharred	Positive			1-10/liter
135291	58	*Portulaca*	Purslane	Seed	Uncharred	Positive			1-10/liter
135291	59	*Amaranthus*	Pigweed	Seed	Uncharred	Positive			1-10/liter
135291	59	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
135291	59	Gymnospermae	Unknown conifer	Wood	Charred	Positive	3	<0.1	N/A
135291	59	*Juniperus*	Juniper	Twig	Charred	Positive			1-10/liter
135291	59	*Juniperus*	Juniper	Twig	Uncharred	Positive			1-10/liter
135291	59	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
135291	59	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
135291	61	*Cercocarpus*	Mountain mahogany	Wood	Charred	Fairly certain	9	0.3	N/A
135291	61	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
135291	61	Compositae	Composite family	Achene	Uncharred	Positive			1-10/liter
135291	61	*Juniperus*	Juniper	Twig	Uncharred	Positive			1-10/liter
135291	61	*Pinus*	Pine	Wood	Charred	Positive	6	0.2	N/A
135291	61	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
135291	61	*Pinus ponderosa*	Ponderosa pine	Needle	Uncharred	Positive			1-10/liter
135291	61	*Portulaca*	Purslane	Seed	Uncharred	Positive			1-10/liter
135291	61	*Pseudotsuga menzeseii*	Douglas fir	Wood	Charred	Fairly certain	1	<0.1	N/A
135291	61	*Quercus*	Oak	Wood	Charred	Fairly certain	4	0.2	N/A
135291	61	Unidentifiable	Unidentifiable	Plant part	Charred	Positive	3(0)		N/A
135291	61	*Zea mays*	Maize	Cupule	Charred	Positive	2(2)		N/A
135291	69	*Cercocarpus*	Mountain mahogany	Wood	Charred	Fairly certain	1	<0.1	N/A
135291	69	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
135291	69	Gymnospermae	Unknown conifer	Wood	Charred	Positive	13	0.7	N/A
135291	69	*Juniperus*	Juniper	Twig	Charred	Positive			1-10/liter
135291	69	*Juniperus*	Juniper	Twig	Uncharred	Positive			1-10/liter
135291	69	*Pinus*	Pine	Wood	Charred	Positive	1	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135291	69	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
135291	69	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Fairly certain	5	0.1	N/A
135291	69	*Portulaca*	Purslane	Seed	Uncharred	Positive			1-10/liter
135292	77	*Amaranthus*	Pigweed	Seed	Uncharred	Positive			1-10/liter
135292	77	*Portulaca*	Purslane	Seed	Uncharred	Positive			1-10/liter
135292	77	*Physalis*	Groundcherry	Seed	Uncharred	Positive			1-10/liter
135292	77	Gramineae	Grass family	Caryopsis	Uncharred	Positive			1-10/liter
135292	77	*Pinus ponderosa*	Ponderosa pine	Needle	Charred	Positive			1-10/liter
135292	77	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
135292	77	*Pinus*	Pine	Wood	Charred	Positive	1	<0.1	N/A
135292	77	*Zea mays*	Maize	Cupule	Charred	Fairly certain	1(0)		N/A
135292	77	*Chenopodium/ Amaranthus*	Cheno-am	Seed	Charred	Positive	1(1)		N/A
135292	77	*Juniperus*	Juniper	Wood	Charred	Positive	2	0.1	N/A
135292	77	Gymnospermae	Unknown conifer	Wood	Charred	Positive	2	<0.1	N/A
135292	77	*Cercocarpus*	Mountain mahogany	Wood	Charred	Positive	3	<0.1	N/A
135292	83	*Amaranthus*	Pigweed	Seed	Uncharred	Positive			1-10/liter
135292	83	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
135292	83	*Helianthus*	Sunflower	Achene	Uncharred	Positive			1-10/liter
135292	83	*Oenothera*	Evening primrose	Seed	Uncharred	Positive			1-10/liter
135292	83	*Physalis*	Groundcherry	Seed	Uncharred	Positive			1-10/liter
135292	83	*Sporobolus*	Dropseed grass	Caryopsis	Uncharred	Positive			1-10/liter
135292	83	Gramineae	Grass family	Caryopsis	Uncharred	Positive			1-10/liter
135292	83	*Juniperus*	Juniper	Wood	Charred	Positive	1	<0.1	N/A
135292	83	*Pseudotsuga menziesii*	Douglas fir	Wood	Charred	Fairly certain	1	<0.1	N/A
135292	83	*Quercus*	Oak	Wood	Charred	Positive	1	<0.1	N/A
135292	83	Indeterminate	Indeterminate	Seed	Charred	Positive	1(0)		N/A
135292	83	Indeterminate	Indeterminate	Seed	Partially charred	Positive	1(1)		N/A
135292	83	*Cercocarpus*	Mountain mahogany	Wood	Charred	Positive	10	0.2	N/A
135292	83	*Gymnospermae*	Unknown conifer	Wood	Charred	Positive	2	<0.1	N/A
135292	83	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Positive	5	0.1	N/A
135292	87	*Chenopodium*	Goosefoot	Seed	Uncharred	Positive			1-10/liter
135292	87	*Portulaca*	Purslane	Seed	Uncharred	Positive			1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
135292	87	*Physalis*	Groundcherry	Seed	Uncharred	Positive			1-10/liter
135292	87	Gramineae	Grass family	Caryopsis	Uncharred	Positive			1-10/liter
135292	87	*Amaranthus*	Pigweed	Seed	Uncharred	Positive			1-10/liter
135292	87	*Cercocarpus*	Mountain mahogany	Wood	Charred	Positive	1	<0.1	N/A
135292	87	Gymnospermae	Unknown conifer	Wood	Charred	Positive	1	<0.1	N/A
135292	87	*Pinus ponderosa*	Ponderosa pine	Wood	Charred	Fairly certain	8	0.4	N/A
21596B	13	*Juniperus*	Juniper	Female cone	Positive	Uncharred			1-10/liter
21596B	13	*Juniperus*	Juniper	Twig	Positive	Uncharred			1-10/liter
21596B	13	*Pinus*	Pine	Male cone	Positive	Uncharred			1-10/liter
21596B	13	*Pinus*	Pine	Umbo	Positive	Uncharred			1-10/liter
21596B	13	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			11-25/liter
21596B	14	*Portulaca*	Purslane	Seed	Positive	Uncharred			1-10/liter
21596B	14	*Juniperus*	Juniper	Twig	Positive	Uncharred			1-10/liter
21596B	14	*Sphaeralcea*	Globemallow	Seed	Positive	Uncharred			1-10/liter
21596B	14	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
21596B	23	*Juniperus*	Juniper	Twig	Positive	Uncharred			11-25/liter
21596B	23	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
21596B	23	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
21596B	28	*Juniperus*	Juniper	Twig	Positive	Uncharred			1-10/liter
21596B	28	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
21596B	31	*Juniperus*	Juniper	Twig	Positive	Uncharred			1-10/liter
21596B	31	*Pinus*	Pine	Male cone	Positive	Uncharred			1-10/liter
21596B	31	*Pinus*	Pine	Umbo	Positive	Uncharred			1-10/liter
21596B	31	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
21596B	31	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	<0.1	N/A
21596B	32	*Portulaca*	Purslane	Seed	Positive	Uncharred			1-10/liter
21596B	32	*Juniperus*	Juniper	Female cone	Positive	Uncharred			1-10/liter
21596B	32	*Juniperus*	Juniper	Twig	Positive	Uncharred			1-10/liter
21596B	32	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
21596B	32	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	0.1	N/A
21596B	32	*Zea mays*	Maize	Cupule	Positive	Charred	5(0)		N/A
21596C	16	*Pinus*	Pine	Umbo	Positive	Uncharred			1-10/liter
21596C	16	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred			1-10/liter
21596C	17	*Juniperus*	Juniper	Twig	Positive	Uncharred			1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
21596C	17	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
21596C	17	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A
21596C	21	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred			11-25/liter
21596C	21	*Portulaca*	Purslane	Seed	Positive	Uncharred			1-10/liter
21596C	21	*Gramineae*	Grass family	Caryopsis	Positive	Uncharred			1-10/liter
21596C	21	*Juniperus*	Juniper	Seed	Positive	Uncharred			1-10/liter
21596C	21	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
21596C	21	*Platyopuntia*	Pricklypear cactus	Seed	Positive	Uncharred			1-10/liter
21596C	21	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	<0.1	N/A
21596C	22	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred			1-10/liter
21596C	22	*Portulaca*	Purslane	Seed	Positive	Uncharred			1-10/liter
21596C	22	Dicotyledonae	Dicot	Leaf	Positive	Uncharred			1-10/liter
21596C	22	Unknown	Unknown	Bark	Positive	Charred			1-10/liter
21596C	22	*Juniperus*	Juniper	Twig	Positive	Uncharred			1-10/liter
21596C	22	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
21596C	22	*Zea mays*	Maize	Cupule	Positive	Charred	1(0)		N/A
21596C	22	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	0.1	N/A
21596C	25	*Amaranthus*	Pigweed	Seed	Positive	Uncharred			1-10/liter
21596C	25	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred			1-10/liter
21596C	25	*Portulaca*	Purslane	Seed	Positive	Uncharred			1-10/liter
21596C	25	*Juniperus*	Juniper	Seed	Positive	Uncharred			1-10/liter
21596C	25	*Juniperus*	Juniper	Twig	Positive	Uncharred			1-10/liter
21596C	25	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
21596C	25	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred			1-10/liter
21596C	25	*Rhus*	Sumac	Seed	Positive	Uncharred			1-10/liter
21596C	26	*Chenopodium*	Goosefoot	Seed	Positive	Uncharred			1-10/liter
21596C	26	*Portulaca*	Purslane	Seed	Positive	Uncharred			1-10/liter
21596C	26	*Juniperus*	Juniper	Seed	Positive	Uncharred			1-10/liter
21596C	26	*Juniperus*	Juniper	Twig	Positive	Uncharred			1-10/liter
21596C	26	*Pinus*	Pine	Male cone	Positive	Uncharred			1-10/liter
21596C	26	*Pinus*	Pine	Umbo	Positive	Uncharred			1-10/liter
21596C	26	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
21596C	26	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred			1-10/liter
21596C	26	*Pinus edulis*	Piñon	Nutshell	Resembles taxon	Charred			1-10/liter
21596C	26	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred			1-10/liter
21596C	26	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1	N/A

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
86528	7	Gymnospermae	Unknown conifer	Bark	Positive	Charred			1-10/liter
86528	7	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred			1-10/liter
86528	7	*Juniperus*	Juniper	Seed	Fairly certain	Part. Charred	1(0)		N/A
86531	1	*Pinus*	Pine	Bark	Positive	Charred			1-10/liter
86531	1	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
86531	1	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Charred			1-10/liter
86531	1	*Zea mays*	Maize	Cupule	Positive	Charred	2(0)		N/A
86531	1	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	3	0.1	N/A
86531	1	*Zea mays*	Maize	Kernel	Fairly certain	Charred	5(0)		N/A
86531	1	*Pinus edulis*	Piñon	Wood	Positive	Charred	8	0.1	N/A
86531	1	*Quercus*	Oak	Wood	Positive	Charred	9	0.3	N/A
86531	6	*Pinus*	Pine	Bark scale	Positive	Charred			1-10/liter
86531	6	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
86531	6	*Cercocarpus*	Mountain mahogany	Wood	Fairly certain	Charred	1	<0.1	N/A
86531	6	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1	N/A
86531	6	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	<0.1	N/A
86531	6	*Quercus*	Oak	Wood	Positive	Charred	3	0.1	N/A
110126	13	Gramineae	Grass family	Culm	Fairly certain	Charred			1-10/liter
110126	13	*Juniperus*	Juniper	Twig	Positive	Uncharred			1-10/liter
110126	13	*Pinus*	Pine	Bark scale	Positive	Charred			1-10/liter
110126	13	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
110126	13	*Cercocarpus*	Mountain mahogany	Wood	Fairly certain	Charred	1	<0.1	N/A
110126	13	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
110126	14	*Juniperus*	Juniper	Seed	Positive	Uncharred			1-10/liter
110126	14	*Juniperus*	Juniper	Twig	Positive	Uncharred			1-10/liter
110126	14	*Pinus*	Pine	Male cone	Positive	Uncharred			1-10/liter
110126	14	*Pinus*	Pine	Twig	Positive	Uncharred			1-10/liter
110126	14	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
110126	14	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred			1-10/liter
110126	14	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1	N/A
110130	11	*Juniperus*	Juniper	Twig	Positive	Uncharred			1-10/liter

Site	FS No.	Scientific Name	Common Name	Plant part	Confidence	Condition	Count	Weight	Abundance
110130	11	*Pinus*	Pine	Needle spindle gall	Positive	Uncharred			1-10/liter
110130	11	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
110130	13	*Juniperus*	Juniper	Twig	Positive	Uncharred			1-10/liter
110130	13	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
110130	15	*Juniperus*	Juniper	Twig	Positive	Uncharred			1-10/liter
110130	15	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
110130	15	*Amaranthus*	Pigweed	Seed	Positive	Charred	1(1)		N/A
110130	17	*Juniperus*	Juniper	Twig	Positive	Uncharred			1-10/liter
110130	17	*Pinus*	Pine	Umbo	Positive	Uncharred			1-10/liter
110130	17	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
110130	17	*Pinus ponderosa*	Ponderosa pine	Needle	Positive	Uncharred			1-10/liter
110130	17	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1	N/A
110130	26	*Pinus edulis*	Piñon	Needle	Positive	Uncharred			1-10/liter
110130	26	*Zea mays*	Maize	Cupule	Positive	Charred	1(1)		N/A
110130	26	*Zea mays*	Maize	Cupule segment	Positive	Charred	1(1)		N/A
110130	26	*Artemisia*	Sagebrush	Wood	Positive	Charred	17	0.6	N/A
110130	26	Unknown non-conifer	Unknown non-conifer	Wood	Fairly certain	Charred	3	<0.1	N/A
61034	28	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
61035	56	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	1		N/A
61035	56	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1	N/A
61035	56	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1	N/A

APPENDIX U
C&T VEGETAL SAMPLE RESULTS

Table U.1. C&T vegetal sample plant remains.

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
12587	650	*Juniperus*	Juniper	Seed	Positive	Uncharred	1(1)	0.1
12587	650	Gymnospermae	Unknown conifer	Wood	Positive	Charred	10	0.3
12587	650	*Juniperus*	Juniper	Wood	Positive	Charred	2	0.1
12587	650	*Zea mays*	Maize	Kernel	Positive	Charred	5(1)	0.2
12587	667	*Juniperus*	Juniper	Wood	Positive	Charred	2	0.1
12587	671	*Atriplex/ Sarcobatus*	Saltbush/ Greasewood	Wood	Positive	Charred	1	0.1
12587	671	*Foresteria*	Desert olive	Wood	Positive	Charred	1	<0.1
12587	671	*Juniperus*	Juniper	Male cone	Positive	Uncharred	1(1)	<0.1
12587	671	*Juniperus*	Juniper	Wood	Positive	Charred	11	0.1
12587	671	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	<0.1
12587	671	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	2	<0.1
12587	671	*Quercus*	Oak	Wood	Positive	Charred	2	<0.1
12587	671	*Zea mays*	Maize	Embryo	Positive	Charred	2(2)	0.1
12587	671	*Zea mays*	Maize	Cupule	Positive	Charred	2(2)	<0.1
12587	671	*Zea mays*	Maize	Kernel	Positive	Charred	21(0)	0.5
12587	671	*Pinus*	Pine	Wood	Positive	Charred	8	0.2
12587	671	Gymnospermae	Unknown conifer	Wood	Positive	Charred	9	0.2
12587	672	*Zea mays*	Maize	Cupule	Positive	Charred	1(1)	<0.1
12587	672	*Zea mays*	Maize	Kernel	Positive	Charred	9(1)	0.3
12587	701	*Zea mays*	Maize	Kernel	Positive	Charred	13(3)	0.3
12587	701	*Zea mays*	Maize	Embryo	Positive	Charred	2(2)	<0.1
12587	702	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1
12587	702	*Zea mays*	Maize	Cupule	Positive	Charred	1(1)	<0.1
12587	702	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	2	0.2
12587	702	*Pinus*	Pine	Wood	Positive	Charred	2	<0.1
12587	702	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	2	<0.1
12587	702	*Juniperus*	Juniper	Wood	Positive	Charred	5	<0.1
12587	702	Gymnospermae	Unknown conifer	Wood	Positive	Charred	6	<0.1
12587	702	*Zea mays*	Maize	Kernel	Positive	Charred	9(0)	0.1
12587	712	*Zea mays*	Maize	Embryo	Positive	Charred	1(1)	<0.1
12587	712	*Juniperus*	Juniper	Wood	Positive	Charred	15	0.3
12587	712	*Pinus*	Pine	Wood	Positive	Charred	2	0.1
12587	712	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	0.1
12587	712	*Zea mays*	Maize	Cupule	Positive	Charred	3(1)	<0.1

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
12587	712	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	4	0.1
12587	712	*Pinus edulis*	Piñon	Wood	Positive	Charred	5	0.1
12587	712	*Zea mays*	Maize	Kernel	Positive	Charred	51(6)	1.5
12587	788	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1
12587	818	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	<0.1
12587	818	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1
12587	818	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1
12587	818	*Zea mays*	Maize	Kernel	Positive	Charred	10(3)	0.3
12587	818	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	2	<0.1
12587	818	*Juniperus*	Juniper	Wood	Positive	Charred	7	0.3
12587	818	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	8	0.1
12587	821	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1
12587	850	*Juniperus*	Juniper	Wood	Fairly certain	Partially Charred	1	0.1
12587	877	*Zea mays*	Maize	Cupule segment	Positive	Charred	1	<0.1
12587	877	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1
12587	877	*Juniperus*	Juniper	Wood	Positive	Charred	13	0.2
12587	877	Gymnospermae	Unknown conifer	Wood	Positive	Charred	15	0.3
12587	877	*Zea mays*	Maize	Kernel	Positive	Charred	18(5)	0.6
12587	877	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	2	0.1
12587	877	*Pinus*	Pine	Wood	Positive	Charred	3	0.1
12587	877	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	0.1
12587	877	*Zea mays*	Maize	Cupule	Positive	Charred	3(1)	0.1
12587	910	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1
12587	910	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1
12587	910	*Zea mays*	Maize	Cupule segment	Positive	Charred	1(1)	0.1
12587	910	Gymnospermae	Unknown conifer	Wood	Positive	Charred	10	0.5
12587	910	*Juniperus*	Juniper	Wood	Positive	Charred	19	0.5
12587	910	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	2	<0.1
12587	910	*Zea mays*	Maize	Kernel	Positive	Charred	22(6)	0.4
12587	910	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	3	0.2
12587	910	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	3	<0.1
12587	910	*Pinus*	Pine	Wood	Positive	Charred	5	0.1
12587	910	*Zea mays*	Maize	Cupule	Positive	Charred	6(3)	0.1
12587	922	*Pseudotsuga menziesii*	Douglas fir	Wood	Resembles taxon	Charred	1	0.2

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
12587	922	*Artemisia*	Sagebrush	Wood	Fairly certain	Charred	1	<0.1
12587	922	*Chrysothamnus*	Rabbitbrush	Wood	Fairly certain	Charred	1	<0.1
12587	922	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1
12587	922	*Zea mays*	Maize	Kernel	Positive	Charred	12(5)	0.3
12587	922	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	2	0.1
12587	922	*Pinus*	Pine	Wood	Positive	Charred	2	0.1
12587	922	*Zea mays*	Maize	Cupule	Positive	Charred	2(1)	<0.1
12587	922	*Quercus*	Oak	Wood	Positive	Charred	3	0.1
12587	922	*Juniperus*	Juniper	Wood	Positive	Charred	8	0.2
12587	929	*Pinus*	Pine	Twig	Fairly certain	Charred	1	<0.1
12587	945	*Zea mays*	Maize	Kernel	Positive	Charred	1(1)	<0.1
12587	945	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1
12587	945	*Juniperus*	Juniper	Wood	Positive	Charred	3	<0.1
12587	951	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1
12587	951	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	1(0)	<0.1
12587	951	*Pinus*	Pine	Wood	Positive	Charred	2	<0.1
12587	951	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	<0.1
12587	965	*Zea mays*	Maize	Cob	Positive	Charred	1(0)	1.2
12587	972	*Quercus*	Oak	Wood	Positive	Charred	1	0.1
12587	972	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	<0.1
12587	972	*Foresteria*	Desert olive	Wood	Positive	Charred	1	<0.1
12587	972	*Lycium*	Wolfberry	Wood	Fairly certain	Charred	1	<0.1
12587	972	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	<0.1
12587	972	*Zea mays*	Maize	Embryo	Positive	Charred	1(1)	<0.1
12587	972	Gymnospermae	Unknown conifer	Wood	Positive	Charred	13	0.3
12587	972	*Juniperus*	Juniper	Wood	Positive	Charred	13	0.4
12587	972	*Zea mays*	Maize	Cupule	Positive	Charred	3(1)	<0.1
12587	972	*Zea mays*	Maize	Kernel	Positive	Charred	32(16)	1.8
12587	972	*Pinus*	Pine	Wood	Positive	Charred	5	0.1
12587	972	*Pinus edulis*	Piñon	Wood	Positive	Charred	8	0.4
12587	985	*Zea mays*	Maize	Kernel	Positive	Charred	10(5)	0.3
12587	985	*Pinus*	Pine	Wood	Positive	Charred	5	0.1
12587	985	*Juniperus*	Juniper	Wood	Positive	Charred	6	0.1
12587	994	*Zea mays*	Maize	Embryo	Positive	Charred	1(1)	<0.1
12587	994	*Pinus*	Pine	Wood	Positive	Charred	10	0.4
12587	994	*Juniperus*	Juniper	Wood	Positive	Charred	14	0.5
12587	994	*Zea mays*	Maize	Kernel	Positive	Charred	14(2)	0.4

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
12587	994	*Artemisia*	Sagebrush	Wood	Positive	Charred	2	<0.1
12587	994	*Quercus*	Oak	Wood	Positive	Charred	2	<0.1
12587	994	*Zea mays*	Maize	Cupule	Positive	Charred	3(2)	<0.1
12587	994	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	5	0.2
12587	994	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	5	0.3
12587	994	Gymnospermae	Unknown conifer	Wood	Positive	Charred	8	0.2
12587	1003	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1
12587	1003	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	<0.1
12587	1003	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1
12587	1003	*Juniperus*	Juniper	Wood	Positive	Charred	12	0.4
12587	1003	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	2	0.1
12587	1003	*Quercus*	Oak	Wood	Positive	Charred	2	0.1
12587	1003	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	2	<0.1
12587	1003	*Zea mays*	Maize	Cupule segment	Positive	Charred	2(2)	0.2
12587	1003	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	0.2
12587	1003	*Pinus edulis*	Piñon	Wood	Positive	Charred	6	0.1
12587	1003	*Zea mays*	Maize	Kernel	Positive	Charred	91(55)	4.3
12587	1007	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1
12587	1007	*Juniperus*	Juniper	Wood	Positive	Charred	13	0.4
12587	1007	*Zea mays*	Maize	Kernel	Positive	Charred	14(4)	0.5
12587	1007	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	<0.1
12587	1007	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	0.1
12587	1007	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	3	0.1
12587	1007	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	6	0.2
12587	1029	*Vitis*	Grape	Seed	Positive	Uncharred	1	<0.1
12587	1029	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1
12587	1029	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	1	<0.1
12587	1029	*Zea mays*	Maize	Kernel	Positive	Charred	2(2)	0.1
12587	1089	*Foresteria*	Desert olive	Wood	Positive	Charred	1	0.1
12587	1089	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	<0.1
12587	1089	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	<0.1
12587	1089	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	<0.1
12587	1089	*Juniperus*	Juniper	Wood	Positive	Charred	6	0.2
12587	1089	*Zea mays*	Maize	Kernel	Positive	Charred	7(1)	0.1
12587	1094	*Zea mays*	Maize	Cob	Positive	Charred	1	0.7

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
12587	1193	*Cercocarpus*	Mountain mahogany	Wood	Fairly certain	Charred	1	<0.1
12587	1193	*Zea mays*	Maize	Cupule segment	Positive	Charred	1(1)	<0.1
12587	1193	*Juniperus*	Juniper	Seed	Positive	Uncharred	1(1)	<0.1
12587	1193	*Artemisia*	Sagebrush	Wood	Positive	Charred	10	0.4
12587	1193	*Juniperus*	Juniper	Wood	Positive	Charred	14	0.4
12587	1193	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	2	0.2
12587	1193	*Zea mays*	Maize	Embryo	Positive	Charred	2(2)	<0.1
12587	1220	*Zea mays*	Maize	Cupule	Positive	Charred	1(1)	<0.1
12587	1220	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1
12587	1220	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	2	<0.1
12587	1220	*Zea mays*	Maize	Kernel	Positive	Charred	2(0)	<0.1
12587	1225	Rosaceae	Rose family	Wood	Positive	Charred	1	<0.1
12587	1225	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1
12587	1225	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	<0.1
12587	1225	*Robinia*	New Mexico locust	Wood	Resembles taxon	Charred	1	<0.1
12587	1225	*Zea mays*	Maize	Kernel	Positive	Charred	2(1)	0.1
12587	1225	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	4	<0.1
12587	1225	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	<0.1
12587	1225	*Juniperus*	Juniper	Wood	Positive	Charred	5	<0.1
12587	1225	*Artemisia*	Sagebrush	Wood	Positive	Charred	6	0.1
12587	1236	*Foresteria*	Desert olive	Wood	Fairly certain	Charred	1	<0.1
12587	1236	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1
12587	1236	*Zea mays*	Maize	Kernel	Positive	Charred	189(83)	8.9
12587	1236	Rosaceae	Rose family	Wood	Positive	Charred	2	0.1
12587	1236	*Artemisia*	Sagebrush	Wood	Fairly certain	Charred	2	0.1
12587	1236	*Pinus*	Pine	Wood	Positive	Charred	20	0.9
12587	1236	*Juniperus*	Juniper	Wood	Positive	Charred	29	1.0
12587	1236	*Quercus*	Oak	Wood	Positive	Charred	3	0.1
12587	1236	*Zea mays*	Maize	Cupule	Positive	Charred	3(1)	0.1
12587	1236	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	4	0.3
12587	1236	*Zea mays*	Maize	Embryo	Positive	Charred	4(2)	0.1
12587	1236	*Zea mays*	Maize	Cupule segment	Positive	Charred	4(4)	0.2
12587	1236	Gymnospermae	Unknown conifer	Wood	Positive	Charred	41	1.4
12587	1236	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	6	0.2
12587	1236	*Populus/Salix*	Cottonwood/ willow	Wood	Positive	Charred	7	0.2
12587	1236	*Atriplex/*	Saltbush/	Wood	Positive	Charred	7	0.4

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
		Sarcobatus	greasewood					
12587	1275	*Foresteria*	Desert olive	Wood	Fairly certain	Charred	1	<0.1
12587	1275	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	<0.1
12587	1275	*Robinia*	New Mexico locust	Wood	Resembles taxon	Charred	1	<0.1
12587	1275	Unidentifiable	Unidentifiable	Unknown	Positive	Charred	1(0)	<0.1
12587	1275	*Juniperus*	Juniper	Wood	Positive	Charred	16	0.3
12587	1275	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	2	<0.1
12587	1275	*Artemisia*	Sagebrush	Wood	Positive	Charred	3	0.1
12587	1275	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	3	0.1
12587	1275	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	4	0.1
12587	1275	*Zea mays*	Maize	Kernel	Positive	Charred	8(1)	0.2
12587	1306	*Zea mays*	Maize	Cob	Positive	Charred	1(0)	0.2
12587	1306	*Zea mays*	Maize	Kernel	Positive	Charred	2(1)	<0.1
12587	1350	*Acer negundo*	Box elder	Wood	Fairly certain	Charred	1	<0.1
12587	1350	*Zea mays*	Maize	Cupule	Positive	Charred	1(1)	<0.1
12587	1350	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	2	<0.1
12587	1350	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	<0.1
12587	1350	*Juniperus*	Juniper	Wood	Positive	Charred	33	0.9
12587	1350	*Quercus*	Oak	Wood	Positive	Charred	4	0.1
12587	1350	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	<0.1
12587	1350	*Zea mays*	Maize	Embryo	Positive	Charred	4(4)	0.1
12587	1350	*Zea mays*	Maize	Kernel	Positive	Charred	41(9)	1.6
12587	1350	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	8	0.3
12587	1400	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1
12587	1400	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	1	<0.1
12587	1400	*Foresteria*	Desert olive	Wood	Positive	Charred	1	<0.1
12587	1400	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	15	1.8
12587	1400	*Quercus*	Oak	Wood	Positive	Charred	2	0.1
12587	1400	*Artemisia*	Sagebrush	Wood	Fairly certain	Charred	2	0.2
12587	1400	*Juniperus*	Juniper	Wood	Positive	Charred	22	1.3
12587	1400	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	4	0.2
12587	1400	*Pinus edulis*	Piñon	Wood	Positive	Charred	5	0.2
12587	1400	Gymnospermae	Unknown conifer	Wood	Positive	Charred	6	0.4
12587	1400	*Zea mays*	Maize	Cupule	Positive	Charred	7(4)	0.1
12587	1400	*Zea mays*	Maize	Kernel	Positive	Charred	92(34)	4.2
12587	1401	*Zea mays*	Maize	Cob	Positive	Charred	1(0)	0.1

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
12587	1447	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1
12587	1447	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1
12587	1447	*Zea mays*	Maize	Shank	Fairly certain	Charred	1(0)	0.1
12587	1447	*Pinus*	Pine	Umbo	Positive	Charred	1(0)	<0.1
12587	1447	*Zea mays*	Maize	Cupule segment	Positive	Charred	1(1)	<0.1
12587	1447	*Zea mays*	Maize	Embryo	Positive	Charred	1(1)	<0.1
12587	1447	Gymnospermae	Unknown conifer	Wood	Positive	Charred	11	0.7
12587	1447	*Juniperus*	Juniper	Wood	Positive	Charred	29	1.6
12587	1447	*Quercus*	Oak	Wood	Positive	Charred	3	0.1
12587	1447	*Pinus*	Pine	Wood	Positive	Charred	4	0.1
12587	1447	*Pinus edulis*	Piñon	Wood	Positive	Charred	5	0.2
12587	1447	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	6	0.2
12587	1447	*Zea mays*	Maize	Kernel	Positive	Charred	60(24)	3.1
12587	1447	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	7	0.4
12587	1447	*Zea mays*	Maize	Cupule	Positive	Charred	9(3)	0.1
12587	1491	*Artemisia*	Sagebrush	Wood	Fairly certain	Charred	1	0.1
12587	1491	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	<0.1
12587	1491	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1
12587	1491	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	1	<0.1
12587	1491	*Populus/Salix*	Cottonwood/ willow	Wood	Positive	Charred	1	<0.1
12587	1491	*Zea mays*	Maize	Cupule	Positive	Charred	1(1)	<0.1
12587	1491	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	<0.1
12587	1491	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	2	<0.1
12587	1491	*Juniperus*	Juniper	Wood	Positive	Charred	29	1.0
12587	1491	*Zea mays*	Maize	Kernel	Positive	Charred	4(0)	<0.1
12587	1491	Gymnospermae	Unknown conifer	Wood	Positive	Charred	7	0.1
12587	1500	*Cercocarpus*	Mountain mahogany	Wood	Fairly certain	Charred	1	<0.1
12587	1500	*Zea mays*	Maize	Kernel	Fairly certain	Charred	1(0)	<0.1
12587	1500	*Zea mays*	Maize	Kernel	Positive	Charred	1(0)	<0.1
12587	1500	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	0.1
12587	1500	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	2	0.3
12587	1500	*Populus/Salix*	Cottonwood/ willow	Wood	Positive	Charred	4	0.2
12587	1500	*Juniperus*	Juniper	Wood	Positive	Charred	7	0.2

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
12587	1508	*Quercus*	Oak	Wood	Positive	Charred	1	0.1
12587	1508	Unknown # 1	Unknown # 1	Unknown	Positive	Charred	1	<0.1
12587	1508	*Foresteria*	Desert olive	Wood	Positive	Charred	1	<0.1
12587	1508	*Pinus*	Pine	Bark scale	Positive	Charred	1	<0.1
12587	1508	*Zea mays*	Maize	Kernel	Positive	Charred	11(5)	0.7
12587	1508	*Juniperus*	Juniper	Wood	Positive	Charred	12	0.9
12587	1508	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	2	0.3
12587	1508	*Pinus edulis*	Piñon	Wood	Positive	Charred	6	1.3
12587	1508	Gymnospermae	Unknown conifer	Wood	Positive	Charred	7	0.1
12587	1514	*Quercus*	Oak	Wood	Positive	Charred	1	0.2
12587	1514	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	<0.1
12587	1514	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	1	<0.1
12587	1514	*Zea mays*	Maize	Cupule segment	Positive	Charred	1(1)	<0.1
12587	1514	*Zea mays*	Maize	Embryo	Positive	Charred	11(10)	0.2
12587	1514	*Zea mays*	Maize	Cupule	Positive	Charred	14(5)	0.1
12587	1514	*Zea mays*	Maize	Kernel	Positive	Charred	153(69)	9.8
12587	1514	*Pinus*	Pine	Wood	Positive	Charred	16	1.2
12587	1514	*Juniperus*	Juniper	Wood	Positive	Charred	23	0.6
12587	1514	Gymnospermae	Unknown conifer	Wood	Positive	Charred	28	1.2
12587	1514	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	3	0.1
12587	1514	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	3	0.1
12587	1514	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	4	0.1
12587	1514	*Pinus edulis*	Piñon	Wood	Positive	Charred	6	0.1
12587	1514	*Populus/Salix*	Cottonwood/ willow	Wood	Positive	Charred	9	0.2
12587	1567	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	0.1
12587	1567	*Foresteria*	Desert olive	Wood	Positive	Charred	1	0.1
12587	1567	*Pinus*	Pine	Wood	Positive	Charred	1	0.1
12587	1567	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	0.2
12587	1567	*Zea mays*	Maize	Cob	Positive	Charred	1(0)	0.8
12587	1567	*Zea mays*	Maize	Cupule segment	Positive	Charred	11(11)	0.6
12587	1567	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	12	2.2
12587	1567	*Quercus*	Oak	Wood	Positive	Charred	2	0.1
12587	1567	Gymnospermae	Unknown conifer	Wood	Positive	Charred	23	1.6
12587	1567	*Juniperus*	Juniper	Wood	Positive	Charred	25	1.7
12587	1567	*Zea mays*	Maize	Kernel	Positive	Charred	275(143)	16.9
12587	1567	*Atriplex/*	Saltbush/	Wood	Positive	Charred	3	0.1

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
		Sarcobatus	greasewood					
12587	1567	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	3	0.1
12587	1567	*Populus/Salix*	Cottonwood/ willow	Wood	Positive	Charred	6	0.7
12587	1567	*Zea mays*	Maize	Embryo	Positive	Charred	6(3)	0.1
12587	1567	*Zea mays*	Maize	Cupule	Positive	Charred	8(6)	0.1
12587	1592	*Cercocarpus*	Mountain mahogany	Wood	Fairly certain	Charred	1	0.1
12587	1592	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	0.1
12587	1592	*Lycium*	Wolfberry	Wood	Fairly certain	Charred	1	<0.1
12587	1592	*Pinus*	Pine	Wood	Positive	Charred	2	<0.1
12587	1592	*Artemisia*	Sagebrush	Wood	Positive	Charred	3	0.1
12587	1592	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	3	0.1
12587	1592	*Zea mays*	Maize	Kernel	Positive	Charred	3(0)	<0.1
12587	1592	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	0.1
12587	1592	*Juniperus*	Juniper	Wood	Positive	Charred	6	0.1
12587	1610	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1
12587	1610	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1
12587	1610	*Artemisia*	Sagebrush	Wood	Positive	Charred	2	0.1
12587	1610	*Juniperus*	Juniper	Wood	Positive	Charred	4	0.1
12587	1620	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1
12587	1620	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	<0.1
12587	1620	*Juniperus*	Juniper	Wood	Positive	Charred	12	0.4
12587	1620	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	2	0.1
12587	1620	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	0.2
12587	1620	*Pinus*	Pine	Wood	Positive	Charred	2	<0.1
12587	1620	*Artemisia*	Sagebrush	Wood	Positive	Charred	4	0.2
12587	1620	Gymnospermae	Unknown conifer	Wood	Positive	Charred	6	0.2
12587	1682	*Foresteria*	Desert olive	Wood	Positive	Charred	1	<0.1
12587	1682	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1
12587	1682	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	0.1
12587	1682	*Zea mays*	Maize	Kernel	Positive	Charred	2(0)	<0.1
12587	1682	*Juniperus*	Juniper	Wood	Positive	Charred	3	0.1
12587	1682	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	4	0.1
12587	1701	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1
12587	1742	Gymnospermae	Unknown conifer	Wood	Positive	Uncharred	2	0.2

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
12587	1742	*Pinus edulis*	Piñon	Wood	Fairly certain	Uncharred	2	0.2
12587	1890	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1
12587	1890	*Juniperus*	Juniper	Wood	Positive	Charred	3	0.2
12587	1939	*Lycium*	Wolfberry	Wood	Fairly certain	Charred	1	<0.1
12587	1939	*Pinus edulis*	Piñon	Nutshell	Positive	Uncharred	1(0)	0.1
12587	1939	*Zea mays*	Maize	Cob	Positive	Charred	1(0)	0.3
12587	1939	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	11	0.4
12587	1939	*Juniperus*	Juniper	Wood	Positive	Charred	11	0.9
12587	1939	*Pinus*	Pine	Wood	Positive	Charred	11	1.0
12587	1939	*Zea mays*	Maize	Cupule segment	Positive	Charred	13(13)	0.8
12587	1939	*Zea mays*	Maize	Cupule	Positive	Charred	13(7)	0.4
12587	1939	Gymnospermae	Unknown conifer	Wood	Positive	Charred	16	1.6
12587	1939	*Foresteria*	Desert olive	Wood	Positive	Charred	2	0.1
12587	1939	*Pinus edulis*	Piñon	Wood	Fairly certain	Charred	2	0.4
12587	1939	*Quercus*	Oak	Wood	Positive	Charred	2	<0.1
12587	1939	*Pseudotsuga menziesii*	Douglas fir	Wood	Fairly certain	Charred	3	0.2
12587	1939	*Zea mays*	Maize	Kernel	Positive	Charred	441(321)	27.1
12587	1939	*Zea mays*	Maize	Kernel	Positive	Charred	593(339)	33.6
12587	1939	*Zea mays*	Maize	Embryo	Positive	Charred	6(5)	0.2
12587	1939	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	7	0.7
12587	2044	*Foresteria*	Desert olive	Wood	Positive	Charred	1	<0.1
12587	2044	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	<0.1
12587	2044	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1
12587	2044	*Juniperus*	Juniper	Wood	Positive	Charred	12	0.4
12587	2044	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	2	<0.1
12587	2044	*Quercus*	Oak	Wood	Positive	Charred	2	<0.1
12587	2044	*Zea mays*	Maize	Cupule segment	Positive	Charred	2(2)	0.2
12587	2044	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	3	<0.1
12587	2044	*Zea mays*	Maize	Kernel	Positive	Charred	3(1)	0.1
12587	2044	*Pinus edulis*	Piñon	Wood	Positive	Charred	4	0.1
12587	2044	Gymnospermae	Unknown conifer	Wood	Positive	Charred	8	0.1
12587	2119	*Juniperus*	Juniper	Wood	Positive	Charred	1	17.5
12587	2119	*Zea mays*	Maize	Kernel	Positive	Charred	1(0)	<0.1
12587	2133	*Pinus*	Pine	Wood	Positive	Charred	2	<0.1
12587	2133	*Juniperus*	Juniper	Wood	Positive	Charred	3	0.4
12587	2133	Gymnospermae	Unknown conifer	Wood	Positive	Charred	6	0.2
12587	2133	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	9	1.6

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
12587	2169	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	<0.1
12587	2169	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1
12587	2169	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1
12587	2169	*Zea mays*	Maize	Kernel	Positive	Charred	26(14)	1.4
12587	2169	*Juniperus*	Juniper	Wood	Positive	Charred	4	0.1
12587	2169	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	4	0.2
12587	2200	*Zea mays*	Maize	Cupule segment	Positive	Charred	1	0.1
12587	2200	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	0.1
12587	2200	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	0.1
12587	2200	*Zea mays*	Maize	Cupule	Positive	Charred	1	<0.1
12587	2200	*Pseudotsuga menziesii*	Douglas fir	Wood	Resembles taxon	Charred	11	2.2
12587	2200	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	13	3.2
12587	2200	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	2	0.3
12587	2200	*Zea mays*	Maize	Cupule	Positive	Charred	2(2)	<0.1
12587	2200	*Juniperus*	Juniper	Wood	Positive	Charred	4	6.5
12587	2200	*Zea mays*	Maize	Kernel	Positive	Charred	450(345)	36.2
12587	2200	*Zea mays*	Maize	Kernel	Positive	Charred	650(546)	53.6
12587	2200	*Zea mays*	Maize	Cupule segment	Positive	Charred	7(7)	0.7
12587	2200	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	8	1.4
12587	2233	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	6	2.5
12587	2362	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	0.1
12587	2362	*Zea mays*	Maize	Cupule	Positive	Charred	1(1)	<0.1
12587	2362	*Juniperus*	Juniper	Wood	Positive	Charred	10	0.6
12587	2362	*Zea mays*	Maize	Kernel	Positive	Charred	19(12)	1.0
12587	2362	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	0.1
12587	2362	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	2	0.2
12587	2362	Rosaceae	Rose family	Wood	Fairly certain	Charred	2	<0.1
12587	2362	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	0.1
12587	2362	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	4	0.3
12587	2362	*Quercus*	Oak	Wood	Fairly certain	Charred	4	0.3
12587	2492	*Zea mays*	Maize	Kernel	Positive	Partially Charred	30(20)	2.5
12587	2559	*Foresteria*	Desert olive	Wood	Positive	Charred	1	0.1
12587	2559	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	10	1.6
12587	2559	*Zea mays*	Maize	Cupule segment	Positive	Charred	2(2)	0.1
12587	2559	*Zea mays*	Maize	Cupule	Positive	Charred	2(2)	<0.1
12587	2559	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	0.1
12587	2559	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	3	0.2

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
12587	2559	*Juniperus*	Juniper	Wood	Positive	Charred	7	0.4
12587	2559	*Zea mays*	Maize	Kernel	Positive	Charred	75(41)	3.6
12587	2559	Gymnospermae	Unknown conifer	Wood	Positive	Charred	9	0.5
12587	2567	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	<0.1
12587	2567	*Pinus*	Pine	Wood	Positive	Charred	7	0.3
12587	2636	*Zea mays*	Maize	Fused kernel mass	Positive	Charred	0	4.1
12587	2636	*Lycium*	Wolfberry	Wood	Fairly certain	Charred	1	0.1
12587	2636	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	0.1
12587	2636	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1
12587	2636	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	15	1.6
12587	2636	Gymnospermae	Unknown conifer	Wood	Positive	Charred	19	1.2
12587	2636	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	2	0.2
12587	2636	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	25	2.0
12587	2636	*Zea mays*	Maize	Kernel	Positive	Charred	545(343)	35.4
12587	2636	*Zea mays*	Maize	Embryo	Positive	Charred	8(6)	0.1
12587	2636	*Juniperus*	Juniper	Wood	Positive	Charred	9	3.3
12587	2639	*Quercus*	Oak	Wood	Positive	Charred	1	0.1
12587	2639	Gymnospermae	Unknown conifer	Wood	Positive	Charred	12	2.0
12587	2639	*Juniperus*	Juniper	Wood	Positive	Charred	2	0.3
12587	2639	*Zea mays*	Maize	Cob	Positive	Charred	2(0)	0.7
12587	2639	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	23	5.5
12587	2639	*Zea mays*	Maize	Cupule	Positive	Charred	25(17)	0.5
12587	2639	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	28	3.7
12587	2639	*Pinus*	Pine	Wood	Positive	Charred	3	0.6
12587	2639	*Zea mays*	Maize	Cupule segment	Positive	Charred	31(31)	2.0
12587	2639	*Pseudotsuga menziesii*	Douglas fir	Wood	Fairly certain	Charred	6	1.6
12587	2639	*Zea mays*	Maize	Kernel	Positive	Charred	765(461)	46.0
12587	2685	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	0.1
12587	2685	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1
12587	2685	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	1	<0.1
12587	2685	*Pinus*	Pine	Wood	Positive	Charred	2	0.2
12587	2685	*Zea mays*	Maize	Kernel	Positive	Charred	22(14)	1.2
12587	2712	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	0.1
12587	2712	*Zea mays*	Maize	Embryo	Positive	Charred	1(1)	<0.1
12587	2712	*Zea mays*	Maize	Kernel	Positive	Charred	38(24)	1.9
12587	2712	*Juniperus*	Juniper	Wood	Positive	Charred	5	0.5
12587	2725	*Zea mays*	Maize	Embryo	Positive	Charred	1(1)	<0.1

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
12587	2725	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	10	0.8
12587	2725	*Zea mays*	Maize	Cupule segment	Positive	Charred	2(2)	0.2
12587	2725	*Pseudotsuga menziesii*	Douglas fir	Wood	Resembles taxon	Charred	3	0.4
12587	2725	*Quercus*	Oak	Wood	Positive	Charred	4	0.3
12587	2725	*Zea mays*	Maize	Kernel	Positive	Charred	547(376)	35.4
12587	2725	Gymnospermae	Unknown conifer	Wood	Positive	Charred	7	0.4
12587	2725	*Juniperus*	Juniper	Wood	Positive	Charred	7	0.6
12587	2725	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	7	1.2
12587	2754	*Foresteria*	Desert olive	Wood	Positive	Charred	1	0.1
12587	2754	*Pseudotsuga menziesii*	Douglas fir	Wood	Fairly certain	Charred	1	0.1
12587	2754	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	0.2
12587	2754	*Quercus*	Oak	Wood	Positive	Charred	1	0.2
12587	2754	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1
12587	2754	*Zea mays*	Maize	Kernel	Positive	Charred	1(1)	0.1
12587	2754	*Juniperus*	Juniper	Wood	Positive	Charred	10	0.4
12587	2754	*Pinus*	Pine	Wood	Positive	Charred	2	0.1
12587	2754	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	3	0.3
12587	2754	*Pinus edulis*	Piñon	Wood	Positive	Charred	6	0.5
12587	2754	*Artemisia*	Sagebrush	Wood	Positive	Charred	8	0.3
12587	2754	Gymnospermae	Unknown conifer	Wood	Positive	Charred	9	0.4
12587	2806	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1
12587	2806	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	<0.1
12587	2806	*Zea mays*	Maize	Cupule	Positive	Charred	1(1)	<0.1
12587	2806	*Juniperus*	Juniper	Wood	Positive	Charred	2	0.2
12587	2806	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	2	<0.1
12587	2888	*Zea mays*	Maize	Fused kernel mass	Positive	Charred	0	43.1
12587	2888	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	0.3
12587	2888	*Zea mays*	Maize	Embryo	Positive	Charred	1(1)	<0.1
12587	2888	*Zea mays*	Maize	Cupule segment	Positive	Charred	17(17)	2.7
12587	2888	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	2	0.4
12587	2888	*Zea mays*	Maize	Cob	Positive	Charred	2(0)	0.3
12587	2888	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	23	8.8
12587	2888	Gymnospermae	Unknown conifer	Wood	Positive	Charred	24	4.7
12587	2888	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	0.7
12587	2888	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	37	10.1
12587	2888	*Zea mays*	Maize	Cupule	Positive	Charred	5(1)	0.1

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
12587	2888	*Zea mays*	Maize	Kernel	Positive	Charred	539(420)	40.6
12587	2888	*Pseudotsuga menziesii*	Douglas fir	Wood	Fairly certain	Charred	6	2.5
12587	2888	*Juniperus*	Juniper	Wood	Positive	Charred	7	1.4
12587	2904	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	2	1.2
12587	2992	*Zea mays*	Maize	Embryo	Positive	Charred	1(1)	0.1
12587	2992	*Zea mays*	Maize	Kernel	Positive	Charred	121(94)	7.5
12587	3055	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	1	<0.1
12587	3055	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	2	<0.1
12587	3055	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	2	<0.1
12587	3055	*Zea mays*	Maize	Kernel	Positive	Charred	2(1)	0.1
12587	3055	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	<0.1
12587	3055	*Artemisia*	Sagebrush	Wood	Positive	Charred	5	0.2
12587	3055	*Juniperus*	Juniper	Wood	Positive	Charred	7	0.1
12587	3079	*Juniperus*	Juniper	Wood	Positive	Charred	2	0.2
12587	3087	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	1	<0.1
12587	3087	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	0.2
12587	3087	*Pinus*	Pine	Wood	Positive	Charred	4	0.2
12587	3113	*Pseudotsuga menziesii*	Douglas fir	Wood	Resembles taxon	Charred	1	0.5
12587	3198	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	1	0.1
12587	3198	*Juniperus*	Juniper	Wood	Positive	Charred	10	0.7
12587	3198	*Pinus*	Pine	Wood	Positive	Charred	2	0.1
12587	3198	*Artemisia*	Sagebrush	Wood	Positive	Charred	2	<0.1
12587	3198	*Zea mays*	Maize	Kernel	Positive	Charred	2(0)	0.1
12587	3198	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	3	0.1
12587	3198	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	<0.1
12587	3261	*Pinus*	Pine	Wood	Positive	Charred	1	0.1
12587	3261	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	0.1
12587	3261	*Juniperus*	Juniper	Wood	Positive	Charred	4	0.5
12587	3321	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	1	0.1
12587	3321	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	0.3
12587	3321	*Zea mays*	Maize	Kernel	Positive	Charred	5(5)	0.5
12587	3353	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	0.1
12587	3353	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	0.1
12587	3353	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1
12587	3353	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	0.1
12587	3353	*Atriplex/*	Saltbush/	Wood	Positive	Charred	2	0.2

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
		Sarcobatus	greasewood					
12587	3373	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1
12587	3373	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	2	0.1
12587	3404	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	0.1
12587	3404	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1
12587	3404	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	<0.1
12587	3404	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	0.3
12587	3410	*Pinus*	Pine	Wood	Positive	Charred	1	0.1
12587	3556	*Zea mays*	Maize	Cupule	Positive	Charred	1(1)	<0.1
12587	3556	*Zea mays*	Maize	Embryo	Positive	Charred	1(1)	<0.1
12587	3556	*Juniperus*	Juniper	Wood	Positive	Charred	2	0.1
12587	3556	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	2	0.1
12587	3556	*Pinus*	Pine	Wood	Positive	Charred	2	0.3
12587	3556	*Zea mays*	Maize	Kernel	Positive	Charred	85(78)	5.4
12587	3591	*Artemisia*	Sagebrush	Wood	Fairly certain	Charred	1	<0.1
12587	3591	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1
12587	3591	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	2	0.2
12587	3591	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	0.2
12587	3591	*Juniperus*	Juniper	Wood	Positive	Charred	7	0.7
12587	3591	*Pinus*	Pine	Wood	Positive	Charred	9	0.7
12587	3600	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	<0.1
12587	3600	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1
12587	3600	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	0.3
12587	3600	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	3	0.2
12587	3600	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	0.2
12587	3600	*Pinus*	Pine	Wood	Positive	Charred	5	0.3
12587	3600	*Juniperus*	Juniper	Wood	Positive	Charred	7	0.4
12587	3612	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	0.1
12587	3612	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	0.7
12587	3612	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	0.1
12587	3612	*Pinus*	Pine	Wood	Positive	Charred	2	0.2
12587	3621	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	0.1
12587	3621	*Juniperus*	Juniper	Wood	Positive	Charred	1	0.1
12587	3624	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	3	0.1
12587	3624	*Pinus edulis*	Piñon	Wood	Positive	Charred	4	0.4
12587	3648	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	0.1

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
12587	3648	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1
12587	3648	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1
12587	3648	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1
12587	3648	*Juniperus*	Juniper	Wood	Positive	Charred	3	0.1
12587	3670	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	0.1
12587	3670	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	<0.1
12587	3670	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	<0.1
12587	3670	*Quercus*	Oak	Wood	Positive	Charred	2	0.1
12587	3670	*Juniperus*	Juniper	Wood	Positive	Charred	4	0.1
12587	3677	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	0.1
12587	3677	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	0.1
12587	3677	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	2	0.1
12587	3691	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	2	0.1
12587	3691	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	0.2
12587	3691	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	2.8
12587	3691	*Juniperus*	Juniper	Wood	Positive	Charred	3	0.5
12587	3691	*Pinus*	Pine	Wood	Positive	Charred	4	0.3
12587	3691	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	5	0.5
12587	3705	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	0.1
12587	3705	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	1	<0.1
12587	3705	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1
12587	3705	*Pinus*	Pine	Wood	Positive	Charred	2	0.2
12587	3720	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1
12587	3720	*Pinus*	Pine	Wood	Positive	Charred	2	<0.1
12587	3720	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	<0.1
12587	3720	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	5	0.2
12587	3721	*Pinus*	Pine	Wood	Positive	Charred	1	0.1
12587	3721	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	0.1
12587	3721	*Juniperus*	Juniper	Wood	Positive	Charred	1	0.2
12587	3721	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	0.1
12587	3721	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	2	0.8
12587	3733	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	0.2
12587	3733	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	<0.1
12587	3733	*Zea mays*	Maize	Kernel	Fairly certain	Charred	1(0)	0.1
12587	3733	*Juniperus*	Juniper	Wood	Positive	Charred	11	1.0

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
12587	3733	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	0.2
12587	3733	*Pinus*	Pine	Wood	Positive	Charred	2	0.3
12587	3733	*Pinus edulis*	Piñon	Wood	Positive	Charred	5	1.4
12587	3738	*Pseudotsuga menziesii*	Douglas fir	Wood	Fairly certain	Charred	1	0.1
12587	3738	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	0.1
12587	3738	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	0.4
12587	3738	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	3	0.4
12587	3738	*Juniperus*	Juniper	Wood	Positive	Charred	4	0.3
12587	3759	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1
12587	3759	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	<0.1
12587	3759	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1
12587	3759	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	0.3
12587	3759	*Juniperus*	Juniper	Wood	Positive	Charred	4	0.2
12587	3790	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1
12587	3790	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1
12587	3790	*Zea mays*	Maize	Kernel	Positive	Charred	1(1)	0.1
12587	3790	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	2	0.2
12587	3790	*Juniperus*	Juniper	Wood	Positive	Charred	5	0.4
12587	3822	*Foresteria*	Desert olive	Wood	Positive	Charred	1	0.1
12587	3822	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1
12587	3822	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1
12587	3822	*Juniperus*	Juniper	Wood	Positive	Charred	10	0.8
12587	3822	*Pinus edulis*	Piñon	Wood	Positive	Charred	11	3.0
12587	3822	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	2	0.1
12587	3822	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	2	0.1
12587	3847	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	0.1
12587	3847	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	0.1
12587	3847	*Lycium*	Wolfberry	Wood	Fairly certain	Charred	1	0.2
12587	3847	*Quercus*	Oak	Wood	Positive	Charred	2	0.2
12587	3847	*Juniperus*	Juniper	Wood	Positive	Charred	24	1.5
12587	3847	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	3	<0.1
12587	3847	*Zea mays*	Maize	Kernel	Positive	Charred	3(2)	0.1
12587	3847	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	4	0.2
12587	3847	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	8	0.4
12587	3847	*Pinus edulis*	Piñon	Wood	Positive	Charred	8	0.6
12587	3847	*Pinus*	Pine	Wood	Positive	Charred	9	0.6

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
12587	3853	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1
12587	3857	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	0.1
12587	3874	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1
12587	3960	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	10	0.5
12587	3960	*Foresteria*	New Mexico olive	Wood	Positive	Charred	1	<0.1
12587	3960	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	0.1
12587	3960	*Juniperus*	Juniper	Wood	Positive	Charred	15	0.8
12587	3960	*Pinus edulis*	Piñon pine	Wood	Positive	Charred	10	0.5
12587	3960	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	0.2
12587	3960	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1
12587	3960	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1
12587	4011	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1
12587	4011	*Pinus*	Pine	Umbo	Positive	Charred	1(0)	<0.1
12587	4011	*Juniperus*	Juniper	Wood	Positive	Charred	14	1.0
12587	4011	*Pinus edulis*	Piñon	Wood	Positive	Charred	17	1.9
12587	4011	*Acer negundo*	Box elder	Wood	Fairly certain	Charred	2	0.2
12587	4011	*Artemisia*	Sagebrush	Wood	Fairly certain	Charred	2	<0.1
12587	4011	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	<0.1
12587	4011	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	9	1.1
12587	4146	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1
12587	4146	*Pinus*	Pine	Wood	Positive	Charred	2	0.1
12587	4146	*Zea mays*	Maize	Kernel	Positive	Charred	25(14)	1.0
12587	4146	*Juniperus*	Juniper	Wood	Positive	Charred	4	0.1
12587	5129	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	0.1
12587	5129	*Foresteria*	Desert olive	Wood	Positive	Charred	1	0.1
12587	5129	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	0.2
12587	5129	*Zea mays*	Maize	Shank	Resembles taxon	Charred	1(0)	0.1
12587	5129	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	0.2
12587	5129	*Pinus edulis*	Piñon	Wood	Positive	Charred	5	0.4
12587	5129	*Juniperus*	Juniper	Wood	Positive	Charred	8	0.7
12587	5141	*Zea mays*	Maize	Cob	Positive	Charred	1(0)	0.6
12587	5168	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
12587	5168	*Juniperus*	Juniper	Wood	Positive	Charred	4	0.1
12587	5168	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	0.3
12587	8878	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	0.1
12587	8889	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	0.1
127631	19	Unknown # 1	Unknown # 1	Wood	Fairly certain	Uncharred	1	<0.1
127631	22	*Chrysothamnus*	Rabbitbrush	Wood	Fairly certain	Charred	1	0.4
127631	27	*Pinus*	Pine	Wood	Positive	Charred	2	0.4
127631	38	*Juniperus*	Juniper	Wood	Positive	Charred	3	0.8
127631	44	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1
127631	44	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1
127631	44	*Atriplex/ Sarcobatus*	Saltbush/greasewood	Wood	Positive	Charred	2	0.2
127631	56	Gymnospermae	Unknown conifer	Wood	Positive	Uncharred	1	<0.1
128805	152	*Zea mays*	Maize	Kernel	Positive	Charred	1(1)	0.1
128805	153	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1
128805	153	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	0.3
128805	155	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	<0.1
128805	155	*Zea mays*	Maize	Kernel	Resembles taxon	Charred	8(0)	<0.1
128805	160	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	1	<0.1
128805	160	*Chrysothamnus*	Rabbitbrush	Wood	Positive	Charred	2	0.1
128805	160	*Lycium*	Wolfberry	Wood	Fairly certain	Charred	2	0.4
128805	160	*Atriplex/ Sarcobatus*	Saltbush/greasewood	Wood	Positive	Charred	2	<0.1
128805	160	*Pinus edulis*	Piñon	Wood	Positive	Charred	4	0.1
128805	164	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	<0.1
128805	164	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1
128805	164	*Zea mays*	Maize	Cupule	Positive	Charred	1(0)	<0.1
128805	164	*Atriplex/ Sarcobatus*	Saltbush/greasewood	Wood	Positive	Charred	3	0.1
128805	164	*Pinus edulis*	Piñon	Wood	Positive	Charred	4	0.1
128805	173	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	3	0.2
128805	178	*Chrysothamnus*	Rabbitbrush	Wood	Positive	Charred	1	<0.1
128805	178	*Zea mays*	Maize	Kernel	Resembles taxon	Charred	7(0)	<0.1
128805	189	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1
128805	189	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1
128805	189	*Chrysothamnus*	Rabbitbrush	Wood	Positive	Charred	6	0.7
128805	192	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1
128805	195	*Zea mays*	Maize	Cupule	Positive	Charred	1(1)	<0.1

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
128805	198	*Atriplex/ Sarcobatus*	Saltbush/greasewood	Wood	Positive	Charred	1	<0.1
128805	198	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1
128805	198	*Pinus*	Pine	Wood	Positive	Charred	2	0.1
128805	198	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	2	<0.1
128805	198	*Chrysothamnus*	Rabbitbrush	Wood	Positive	Charred	5	0.2
128805	216	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	2	0.8
128805	220	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1
128805	230	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1
128805	230	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1
128805	230	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1
128805	230	*Zea mays*	Maize	Kernel	Positive	Charred	1(1)	<0.1
128805	230	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	3	0.1
128805	230	*Pinus edulis*	Piñon	Wood	Positive	Charred	6	1.0
128805	233	*Atriplex/ Sarcobatus*	Saltbush/greasewood	Wood	Positive	Charred	1	0.1
128805	234	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	0.1
128805	238	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	<0.1
128805	238	*Pinus*	Pine	Wood	Positive	Charred	4	0.2
128805	241	*Pinus*	Pine	Wood	Positive	Charred	1	0.2
128805	249	*Pinus*	Pine	Wood	Positive	Charred	1	0.1
86534	597	*Quercus*	Oak	Wood	Positive	Charred	2	<0.1
86534	597	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	.2
86534	597	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	4	.1
86534	597	Gymnospermae	Unknown conifer	Wood	Positive	Charred	8	.3
86534	597	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	9	.6
86534	794	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Partially charred	3	0.1
86534	820	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	2	.3
86534	820	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	.2
86534	820	*Pinus*	Pine	Wood	Positive	Charred	3	.3
86534	820	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	4	.2
86534	820	*Pinus edulis*	Piñon	Wood	Positive	Charred	6	.5
86534	828	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	0.6
86534	836	Gymnospermae	Unknown conifer	Wood	Positive	Charred	10	.5
86534	836	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	11	1.3
86534	836	*Zea mays*	Maize	Cupule	Positive	Charred	11(2)	.4
86534	836	*Juniperus*	Juniper	Wood	Positive	Charred	2	.3
86534	836	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	.4

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
86534	836	*Pinus*	Pine	Wood	Positive	Charred	3	.3
86534	836	*Atriplex/ Sarcobatus*	Saltbush/greasewood	Wood	Positive	Charred	4	.2
86534	846	*Juniperus*	Juniper	Wood	Positive	Charred	1	.2
86534	846	*Quercus*	Oak	Wood	Positive	Charred	1	.2
86534	846	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	2	.1
86534	846	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	.2
86534	846	*Pinus edulis*	Piñon	Wood	Positive	Charred	8	.9
86534	855	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	1	<0.1
86534	855	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	15	.7
86534	855	*Atriplex/ Sarcobatus*	Saltbush/greasewood	Wood	Positive	Charred	3	.3
86534	855	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	.2
86534	855	*Pinus*	Pine	Wood	Positive	Charred	4	.5
86534	855	*Quercus*	Oak	Wood	Positive	Charred	6	.3
86534	855	*Pinus edulis*	Piñon	Wood	Fairly certain	Partially charred	7	.3
86534	891	*Atriplex/ Sarcobatus*	Saltbush/greasewood	Wood	Positive	Charred	1	<0.1
86534	891	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	1	<0.1
86534	891	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	12	2.2
86534	891	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	.2
86534	891	*Pinus edulis*	Piñon	Wood	Positive	Charred	6	.5
86534	905	*Pseudotsuga menziesi*	Douglas fir	Wood	Fairly certain	Partially charred	1	.1
86534	905	*Juniperus*	Juniper	Wood	Positive	Charred	1	.2
86534	905	*Pinus*	Pine	Wood	Positive	Charred	10	.9
86534	905	*Pinus edulis*	Piñon	Wood	Positive	Charred	10	1.4
86534	905	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	12	.8
86534	905	Gymnospermae	Unknown conifer	Wood	Positive	Charred	18	1.3
86534	930	Gymnospermae	Unknown conifer	Wood	Positive	Charred	11	.6
86534	930	*Juniperus*	Juniper	Wood	Positive	Charred	2	.1
86534	930	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	2	.2
86534	930	*Quercus*	Oak	Wood	Positive	Charred	2	<0.1
86534	930	*Pinus edulis*	Piñon	Wood	Positive	Charred	7	.7
86534	930	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	9	.5
86534	957	*Atriplex/ Sarcobatus*	Saltbush/greasewood	Wood	Positive	Charred	1	.2
86534	957	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1
86534	957	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	2	.2

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
86534	957	*Pseudotsuga menziesi*	Douglas fir	Wood	Positive	Charred	2	.2
86534	957	*Pinus*	Pine	Wood	Positive	Charred	3	.3
86534	957	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	6	.7
86534	961	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1
86534	961	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	0.2
86534	961	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	2	0.2
86534	972	*Quercus*	Oak	Wood	Positive	Charred	1	.1
86534	972	*Rosaceae*	Rose family	Wood	Positive	Charred	1	<0.1
86534	972	*Atriplex/ Sarcobatus*	Saltbush/greasewood	Wood	Positive	Charred	1	<0.1
86534	972	*Pseudotsuga menziesi*	Douglas fir	Wood	Fairly certain	Partially charred	1	<0.1
86534	972	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1
86534	972	Gymnospermae	Unknown conifer	Wood	Positive	Charred	10	1.3
86534	972	*Pinus*	Pine	Wood	Positive	Charred	10	1.5
86534	972	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	.2
86534	972	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	6	.5
86534	984	*Juniperus*	Juniper	Wood	Positive	Charred	1	.4
86534	984	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1
86534	984	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	2	.3
86534	999	*Pseudotsuga menziesi*	Douglas fir	Wood	Fairly certain	Partially charred	1	0.1
86534	999	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1
86534	999	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	4	.2
86534	999	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	.5
86534	999	*Pinus edulis*	Piñon	Wood	Positive	Charred	7	.6
86534	1064	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	.1
86534	1064	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	.1
86534	1064	*Juniperus*	Juniper	Wood	Positive	Charred	1	.2
86534	1064	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	.8
86534	1064	*Juniperus*	Juniper	Wood	Positive	Charred	1	3.5
86534	1064	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	.7
86534	1070	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	1.6
86534	1070	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	7	1.8
86534	1083	*Zea mays*	Maize	Cupule segment	Positive	Charred	1	<0.1
86534	1083	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	16	.7
86534	1083	*Pinus*	Pine	Wood	Positive	Charred	6	.7
86534	1083	Gymnospermae	Unknown conifer	Wood	Positive	Charred	7	.4
86534	1096	*CylindroOpuntia*	Cholla	Bud	Positive	Charred	1	.2
86534	1124	*Atriplex/*	Saltbush/greasewood	Wood	Positive	Charred	1	<0.1

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
		Sarcobatus						
86534	1124	*Zea mays*	Maize	Cupule	Positive	Charred	1(1)	<0.1
86534	1124	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	.2
86534	1124	*Quercus*	Oak	Wood	Positive	Charred	2	.2
86534	1124	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	3	.2
86534	1124	*Pinus*	Pine	Wood	Positive	Charred	3	.2
86534	1124	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	6	1.3
86534	1124	Gymnospermae	Unknown conifer	Wood	Positive	Charred	9	.4
86534	1219	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	.2
86534	1219	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	.1
86534	1219	*Pinus edulis*	Piñon	Wood	Positive	Charred	5	1.6
86534	1219	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	8	1.0
86534	1235	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	.1
86534	1235	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	1.2
86534	1241	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	.1
86534	1241	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	.9
86534	1258	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	.1
86534	1258	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	2	.1
86534	1258	*Juniperus*	Juniper	Wood	Positive	Charred	3	.3
86534	1258	*Pinus edulis*	Piñon	Wood	Positive	Charred	4	.7
86534	1262	*Zea mays*	Maize	Cupule segment	Positive	Charred	1	0.1
86534	1262	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	1	<0.1
86534	1262	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1
86534	1262	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	17	1.4
86534	1262	*Juniperus*	Juniper	Wood	Positive	Charred	2	.1
86534	1262	*Pinus*	Pine	Wood	Positive	Charred	7	.4
86534	1262	*Pinus edulis*	Piñon	Wood	Positive	Charred	8	.6
86534	1262	Gymnospermae	Unknown conifer	Wood	Positive	Charred	9	.7
86534	1285	*Zea mays*	Maize	Kernel	Positive	Charred	1(0)	<0.1
86534	1285	*Pinus*	Pine	Umbo	Positive	Charred	1(1)	.2
86534	1285	*Pinus*	Pine	Wood	Positive	Charred	11	.5
86534	1285	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	14	1.4
86534	1285	Gymnospermae	Unknown conifer	Wood	Positive	Charred	15	.8
86534	1285	*Quercus*	Oak	Wood	Positive	Charred	2	<0.1
86534	1285	*Zea mays*	Maize	Cupule segment	Positive	Charred	2(2)	<0.1
86534	1285	*Pseudotsuga menziesi*	Douglas fir	Wood	Fairly certain	Partially charred	3	.2
86534	1285	*Zea mays*	Maize	Cupule	Positive	Charred	3(1)	<0.1

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
86534	1285	*Juniperus*	Juniper	Wood	Positive	Charred	8	.4
86534	1285	*Pinus edulis*	Piñon	Wood	Positive	Charred	9	.8
86534	1290	*Rosaceae*	Rose family	Wood	Positive	Charred	1	.1
86534	1290	*Pseudotsuga menziesi*	Douglas fir	Wood	Resembles taxon	Uncharred	1	.1
86534	1290	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1
86534	1290	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	10	.6
86534	1290	*Pinus edulis*	Piñon	Wood	Positive	Charred	13	.8
86534	1290	*Juniperus*	Juniper	Wood	Positive	Charred	3	.1
86534	1290	*Pinus*	Pine	Wood	Positive	Charred	6	.4
86534	1290	Gymnospermae	Unknown conifer	Wood	Positive	Charred	7	.3
86534	1333	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	2	1.2
86534	1381	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	.2
86534	1381	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	1	<0.1
86534	1381	*Pinus edulis*	Piñon	Wood	Positive	Charred	14	2.5
86534	1381	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	.3
86534	1381	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	5	.7
86534	1393	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	12	5.2
86534	1393	*Juniperus*	Juniper	Wood	Fairly certain	Partially charred	2	.2
86534	1393	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	.5
86534	1393	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	3	.7
86534	1393	*Pinus edulis*	Piñon	Wood	Fairly certain	Partially charred	5	1.9
86534	1393	*Pseudotsuga menziesi*	Douglas fir	Wood	Resembles taxon	Uncharred	8	1.3
86534	1393	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	9	1.9
86534	1396	*Juniperus*	Juniper	Wood	Positive	Charred	1	.2
86534	1396	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	11	4.4
86534	1396	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	2	.2
86534	1396	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	2	.3
86534	1396	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	.7
86534	1412	*Juniperus*	Juniper	Wood	Positive	Charred	1	.1
86534	1412	*Zea mays*	Maize	Cupule	Positive	Charred	1(1)	<0.1
86534	1412	*Pinus*	Pine	Umbo	Positive	Charred	1(1)	<0.1
86534	1412	*Pinus edulis*	Piñon	Wood	Positive	Charred	19	1.5
86534	1412	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	2	.1
86534	1412	*Pseudotsuga menziesi*	Douglas fir	Wood	Fairly certain	Partially charred	2	.1
86534	1412	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	20	1.4
86534	1412	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	.2
86534	1412	*Pinus*	Pine	Wood	Positive	Charred	8	.4

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
86534	1504	*Pinus*	Pine	Umbo	Positive	Charred	1	<0.1
86534	1504	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	13	1.6
86534	1504	*Juniperus*	Juniper	Wood	Positive	Charred	2	<0.1
86534	1504	*Pinus*	Pine	Wood	Positive	Charred	4	.6
86534	1504	*Pinus edulis*	Piñon	Wood	Positive	Charred	6	.5
86534	1504	Gymnospermae	Unknown conifer	Wood	Positive	Charred	7	.3
86534	1508	*Zea mays*	Maize	Cupule	Positive	Charred	10(0)	.1
86534	1508	*Zea mays*	Maize	Cupule segment	Positive	Charred	7(7)	.4
86534	1530	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1
86534	1530	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1
86534	1530	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	16	1.2
86534	1530	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	2	<0.1
86534	1530	*Pinus edulis*	Piñon	Wood	Positive	Charred	6	.5
86534	1530	*Pinus*	Pine	Wood	Positive	Charred	8	.7
86534	1530	Gymnospermae	Unknown conifer	Wood	Positive	Charred	9	.6
86534	1532	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1
86534	1532	*Pinus*	Pine	Wood	Positive	Charred	3	.1
86534	1543	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1
86534	1543	Gymnospermae	Unknown conifer	Wood	Positive	Charred	11	.8
86534	1543	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	12	1.0
86534	1543	*Zea mays*	Maize	Cupule	Positive	Charred	2(0)	<0.1
86534	1543	*Zea mays*	Maize	Kernel	Positive	Charred	2(1)	0.1
86534	1543	*Pseudotsuga menziesi*	Douglas fir	Wood	Fairly certain	Partially charred	3	.2
86534	1543	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	5	.3
86534	1543	*Juniperus*	Juniper	Wood	Positive	Charred	5	.3
86534	1543	*Pinus edulis*	Piñon	Wood	Positive	Charred	6	.3
86534	1543	*Pinus*	Pine	Wood	Positive	Charred	7	.5
86534	1569	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1
86534	1569	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	19	1.9
86534	1569	*Pinus edulis*	Piñon	Wood	Positive	Charred	4	.3
86534	1569	*Pinus*	Pine	Wood	Positive	Charred	5	.1
86534	1569	*Juniperus*	Juniper	Wood	Positive	Charred	5	1.6
86534	1569	Gymnospermae	Unknown conifer	Wood	Positive	Charred	7	.2
86534	1581	*Pinus edulis*	Piñon	Wood	Positive	Charred	11	1.0
86534	1581	Gymnospermae	Unknown conifer	Wood	Positive	Charred	13	.6
86534	1581	*Atriplex/*	Saltbush/greasewood	Wood	Positive	Charred	2	.1

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
		Sarcobatus						
86534	1581	*Juniperus*	Juniper	Wood	Positive	Charred	2	.1
86534	1581	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	2	<0.1
86534	1581	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	6	.6
86534	1581	*Pinus*	Pine	Wood	Positive	Charred	7	.4
86534	1655	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1
86534	1655	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	1	<0.1
86534	1655	*Quercus*	Oak	Wood	Positive	Charred	2	<0.1
86534	1655	*Juniperus*	Juniper	Wood	Positive	Charred	3	.2
86534	1655	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	3	1.0
86534	1655	*Pinus*	Pine	Wood	Positive	Charred	4	.3
86534	1655	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	4	.3
86534	1655	*Pinus edulis*	Piñon	Wood	Positive	Charred	8	1.2
86534	1655	Gymnospermae	Unknown conifer	Wood	Positive	Charred	9	.3
86534	1660	*Acer negundo*	Box elder	Wood	Positive	Charred	1	<0.1
86534	1660	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1
86534	1660	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1
86534	1660	*Quercus*	Oak	Wood	Fairly certain	Partially charred	1	<0.1
86534	1660	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	.2
86534	1660	*Pinus*	Pine	Wood	Positive	Charred	5	.1
86534	1660	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	5	.1
86534	1663	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	.2
86534	1663	*Juniperus*	Juniper	Wood	Positive	Charred	3	.3
86534	1663	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	.3
86534	1663	*Pinus*	Pine	Wood	Positive	Charred	5	.5
86534	1663	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	9	.7
86534	1667	*Pseudotsuga menziesi*	Douglas fir	Wood	Fairly certain	Partially charred	1	.2
86534	1667	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	1	<0.1
86534	1667	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1
86534	1667	Gymnospermae	Unknown conifer	Wood	Positive	Charred	13	.8
86534	1667	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	16	.9
86534	1667	*Zea mays*	Maize	Cupule	Positive	Charred	2(2)	<0.1
86534	1667	*Juniperus*	Juniper	Wood	Positive	Charred	3	.1
86534	1667	*Pinus*	Pine	Wood	Positive	Charred	3	.2
86534	1667	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	.2
86534	1667	*Zea mays*	Maize	Cupule segment	Positive	Charred	4(4)	.2
86534	1668	*Juniperus*	Juniper	Wood	Positive	Charred	1	1.7

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
86534	1677	*Zea mays*	Maize	Cob	Positive	Charred	1(0)	.3
86534	1700	*Cercocarpus*	Mountain mahogany	Wood	Fairly certain	Partially charred	1	.1
86534	1700	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	.2
86534	1700	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	2	<0.1
86534	1700	*Pseudotsuga menziesi*	Douglas fir	Wood	Resembles taxon	Uncharred	3	.1
86534	1760	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	12	.8
86534	1760	Gymnospermae	Unknown conifer	Wood	Positive	Charred	13	.6
86534	1760	*Juniperus*	Juniper	Wood	Positive	Charred	4	.2
86534	1760	*Pinus edulis*	Piñon	Wood	Positive	Charred	5	.3
86534	1760	*Pinus*	Pine	Wood	Positive	Charred	9	.6
86534	1830	*Zea mays*	Maize	Cupule segment	Positive	Charred	1(1)	.2
86534	1847	*Atriplex/ Sarcobatus*	Saltbush/greasewood	Wood	Positive	Charred	2	<0.1
86534	1847	*Quercus*	Oak	Wood	Positive	Charred	3	.1
86534	1847	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	46	7.5
86534	1847	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	.5
86534	1847	*Pinus*	Pine	Wood	Positive	Charred	7	1.0
86534	1847	*Pinus edulis*	Piñon	Wood	Positive	Charred	8	1.4
86534	1858	*Pinus*	Pine	Wood	Positive	Charred	2	.4
86534	1858	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Partially charred	2	1.7
86534	1866	*Zea mays*	Maize	Cob	Positive	Charred	1(1)	.3
86534	1866	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	11	1.3
86534	1866	*Pinus edulis*	Piñon	Wood	Positive	Charred	15	2.7
86534	1866	*Pinus*	Pine	Twig	Positive	Charred	2	.2
86534	1866	*Zea mays*	Maize	Shank	Positive	Charred	2(0)	.5
86534	1866	*Zea mays*	Maize	Cupule	Positive	Charred	2(1)	<0.1
86534	1866	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	38	10.2
86534	1866	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	4	.3
86534	1866	*Quercus*	Oak	Wood	Positive	Charred	4	.5
86534	1866	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	5	.2
86534	1866	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	1.1
86534	1866	*Pinus*	Pine	Wood	Positive	Charred	5	2.1
86534	1866	*Zea mays*	Maize	Cupule segment	Positive	Charred	6(6)	.2
86534	1866	*Pseudotsuga menziesi*	Douglas fir	Wood	Resembles taxon	Uncharred	7	1.7
86534	1866	*Atriplex/ Sarcobatus*	Saltbush/greasewood	Wood	Positive	Charred	9	1.2
86534	1869	*Zea mays*	Maize	Cupule segment	Positive	Charred	1(1)	.2
86534	1869	*Zea mays*	Maize	Cob	Positive	Charred	3(0)	1.8

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
86534	1959	*Quercus*	Oak	Wood	Positive	Charred	1	.1
86534	1959	Gymnospermae	Unknown conifer	Wood	Positive	Charred	11	.8
86534	1959	*Pinus*	Pine	Wood	Positive	Charred	4	.2
86534	1959	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	4	.3
86534	1964	*Pinus*	Pine	Wood	Positive	Charred	1	.2
86534	1964	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	<0.1
86534	1964	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1
86534	1964	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	.3
86534	1965	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Partially charred	1	<0.1
86534	1965	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	.2
86534	1965	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	.1
86534	1965	*Pinus*	Pine	Wood	Positive	Charred	5	.9
86534	1978	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	1	<0.1
86534	1978	Gymnospermae	Unknown conifer	Wood	Positive	Charred	10	.4
86534	1978	*Pinus*	Pine	Wood	Positive	Charred	11	.9
86534	1978	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	.1
86534	1978	*Quercus*	Oak	Wood	Positive	Charred	2	.1
86534	1978	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	7	.4
86534	1988	*Juniperus*	Juniper	Wood	Positive	Charred	1	.2
86534	1988	*Atriplex/ Sarcobatus*	Saltbush/greasewood	Wood	Positive	Charred	1	.4
86534	1988	Gymnospermae	Unknown conifer	Wood	Positive	Charred	12	1.7
86534	1988	*Pinus edulis*	Piñon	Wood	Positive	Charred	18	5.0
86534	1988	*Pinus*	Pine	Wood	Positive	Charred	19	3.4
86534	1988	*Quercus*	Oak	Wood	Positive	Charred	3	.5
86534	1988	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	40	5.2
86534	1997	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1
86534	1997	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Partially charred	2	.5
86534	2004	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	.1
86534	2004	*Pinus*	Pine	Wood	Positive	Charred	12	1.1
86534	2004	Gymnospermae	Unknown conifer	Wood	Positive	Charred	12	1.3
86534	2004	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	23	2.1
86534	2004	*Pinus edulis*	Piñon	Wood	Positive	Charred	8	1.2
86534	2009	*Lycium*	Wolfberry	Wood	Fairly certain	Partially charred	1	.8
86534	2009	*Pinus*	Pine	Wood	Positive	Charred	18	3.7
86534	2009	*Atriplex/ Sarcobatus*	Saltbush/greasewood	Wood	Positive	Charred	2	.2
86534	2009	*Pseudotsuga menziesi*	Douglas fir	Wood	Resembles taxon	Uncharred	3	.3

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
86534	2009	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	.2
86534	2009	*Juniperus*	Juniper	Wood	Positive	Charred	5	.4
86534	2009	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	63	11.1
86534	2009	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	7	1.0
86534	2009	*Pinus edulis*	Piñon	Wood	Positive	Charred	9	1.3
86534	2143	*Zea mays*	Maize	Cupule segment	Positive	Charred	1(1)	.1
86534	2143	*Zea mays*	Maize	Cupule	Positive	Charred	1(1)	<0.1
86534	2143	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	2	.2
86534	2143	*Pinus edulis*	Piñon	Wood	Positive	Charred	20	3.5
86534	2143	*Quercus*	Oak	Wood	Positive	Charred	3	.6
86534	2143	*Pinus*	Pine	Wood	Positive	Charred	4	.9
86534	2143	*Juniperus*	Juniper	Wood	Positive	Charred	50	6.2
86534	2143	Gymnospermae	Unknown conifer	Wood	Positive	Charred	6	.8
86534	2143	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	8	1.2
86534	2170	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1
86534	2170	*Pinus edulis*	Piñon	Wood	Fairly certain	Partially charred	1	<0.1
86534	2170	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	3	.2
86534	2185	*Zea mays*	Maize	Cupule segment	Positive	Charred	1(1)	<0.1
86534	2185	*Unidentifiable*	Unidentifiable	Unknown	Positive	Charred	1(1)	<0.1
86534	2185	*Pinus*	Pine	Wood	Positive	Charred	16	2.8
86534	2185	*Pinus edulis*	Piñon	Wood	Positive	Charred	17	2.6
86534	2185	Gymnospermae	Unknown conifer	Wood	Positive	Charred	18	1.7
86534	2185	*Juniperus*	Juniper	Wood	Positive	Charred	2	.3
86534	2185	*Quercus*	Oak	Wood	Positive	Charred	2	.5
86534	2185	*Pseudotsuga menziesi*	Douglas fir	Wood	Resembles taxon	Uncharred	5	.5
86534	2185	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	53	7.6
86534	2185	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	6	.6
86534	2213	*Zea mays*	Maize	Cob	Positive	Charred	1(0)	.1
86534	2213	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	38	4.4
86534	2213	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	.4
86534	2213	*Pinus edulis*	Piñon	Wood	Positive	Charred	6	.9
86534	2213	*Pinus*	Pine	Wood	Positive	Charred	7	2.1
86534	2224	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	15	3.2
86534	2224	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	.2
86534	2224	*Pinus*	Pine	Wood	Positive	Charred	4	.6
86534	2233	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	.2
86534	2233	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	1	<0.1

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
86534	2233	*Zea mays*	Maize	Cupule	Positive	Charred	1(1)	<0.1
86534	2233	*Zea mays*	Maize	Cupule segment	Positive	Charred	2(2)	.1
86534	2233	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	25	5.1
86534	2233	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	.3
86534	2233	*Pinus*	Pine	Wood	Positive	Charred	7	.4
86534	2233	*Quercus*	Oak	Wood	Positive	Charred	9	.6
135290	869	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	0.4
135290	869	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	30	5.8
135290	869	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	8	0.7
135290	869	*Pseudotsuga menziesii*	Douglas fir	Wood	Fairly certain	Charred	4	0.4
135290	869	*Zea mays*	Maize	Cob	Positive	Charred	1(0)	0.7
135290	869	*Zea mays*	Maize	Kernel	Positive	Charred	14(12)	1.1
135290	874	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	1.1
135290	874	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	0.3
135290	874	*Zea mays*	Maize	Cob	Positive	Charred	1(0)	1.4
135290	874	*Zea mays*	Maize	Kernel	Positive	Charred	19(16)	1.2
135290	902	*Juniperus*	Juniper	Wood	Positive	Part. Charred	1	25.9
135290	912	*Zea mays*	Maize	Cob	Positive	Charred	2(0)	1.3
135290	912	*Zea mays*	Maize	Cupule segment	Positive	Charred	2(2)	0.7
135290	968	*Juniperus*	Juniper	Wood	Positive	Charred	2	0.2
135290	968	*Pinus*	Pine	Wood	Positive	Charred	1	0.1
135290	968	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	16	1.1
135290	968	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	0.1
135290	968	*Zea mays*	Maize	Kernel	Positive	Charred	11(7)	0.8
135290	968	*Zea mays*	Maize	Cupule segment	Positive	Charred	2(2)	0.4
135290	970	*Zea mays*	Maize	Cob	Positive	Charred	1(0)	5.6
135290	1047	*Pinus*	Pine	Wood	Positive	Part. Charred	1	0.3
135290	1047	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	51	12.7
135290	1047	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	13	2.0
135290	1047	*Quercus*	Oak	Wood	Positive	Charred	4	0.6
135290	1047	*Zea mays*	Maize	Cob	Positive	Charred	1(0)	2.4
135290	1047	*Zea mays*	Maize	Kernel	Positive	Charred	49(41)	3.7
135290	1065	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	6	5.2
135290	1065	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	2	0.2
135290	1065	*Pseudotsuga menziesii*	Douglas fir	Wood	Fairly certain	Charred	1	3.7
135290	1065	*Zea mays*	Maize	Cob	Positive	Charred	1(0)	1.8
135290	1080	*Cercocarpus*	Mountain mahogany	Wood	Fairly certain	Charred	1	0.1

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
135290	1080	*Juniperus*	Juniper	Wood	Positive	Charred	5	0.2
135290	1080	*Phaseolus*	Bean	Cotyledon	Positive	Charred	4(0)	<0.1
135290	1080	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	18	2.7
135290	1080	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	7	0.6
135290	1080	*Zea mays*	Maize	Kernel	Positive	Charred	1(0)	<0.1
135290	1095	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1
135290	1095	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	3	0.1
135290	1095	*Zea mays*	Maize	Kernel	Positive	Charred	2(1)	<0.1
135290	1102	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	2	0.2
135290	1130	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	4	0.2
135290	1130	Gymnospermae	Unknown conifer	Wood	Positive	Charred	9	0.6
135290	1130	*Phaseolus*	Bean	Cotyledon	Positive	Charred	2(2)	<0.1
135290	1130	*Pinus*	Pine	Wood	Positive	Charred	2	0.5
135290	1130	*Pinus edulis*	Piñon	Wood	Positive	Charred	11	5.4
135290	1130	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	41	6.8
135290	1130	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	4	0.1
135290	1130	*Quercus*	Oak	Wood	Positive	Charred	13	1.0
135290	1130	*Zea mays*	Maize	Kernel	Positive	Charred	41(18)	2.7
135290	1135	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	7	1.3
135290	1135	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	0.8
135290	1135	*Pinus*	Pine	Wood	Positive	Charred	6	1.4
135290	1135	*Pinus edulis*	Piñon	Wood	Positive	Charred	9	2.3
135290	1135	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	18	4.8
135290	1135	*Quercus*	Oak	Wood	Positive	Charred	1	0.2
135290	1161	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	3	17.9
135290	1167	*Juniperus*	Juniper	Wood	Positive	Charred	1	0.1
135290	1167	*Pinus*	Pine	Wood	Positive	Charred	2	0.3
135290	1167	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	4	0.7
135290	1201	*Phaseolus*	Bean	Seed	Positive	Charred	1(1)	0.1
135290	1289	*Juniperus*	Juniper	Wood	Positive	Charred	1	0.1
135290	1289	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	18	5.7
135290	1289	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Part. Charred	5	6.3
135290	1289	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	0.1
135290	1289	*Quercus*	Oak	Wood	Positive	Charred	1	1.8
135290	1289	*Zea mays*	Maize	Kernel	Positive	Charred	9(6)	0.7
135290	1303	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	0.9
135290	1303	*Zea mays*	Maize	Kernel	Positive	Charred	1(0)	0.1

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
135290	1324	*Zea mays*	Maize	Cob	Positive	Charred	1(0)	1.0
135290	1324	*Zea mays*	Maize	Cupule segment	Positive	Charred	1(1)	0.1
135290	1326	*Zea mays*	Maize	Cupule segment	Positive	Charred	1(1)	0.1
135290	1326	*Zea mays*	Maize	Cupule	Positive	Charred	2(1)	0.1
135290	1326	*Zea mays*	Maize	Kernel	Positive	Charred	55(34)	3.5
135290	1450	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	1	0.2
135290	1450	*Cleome*	Beeweed	Stem	Resembles taxon	Charred	1	0.2
135290	1450	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	1.3
135290	1450	*Pinus*	Pine	Wood	Positive	Charred	9	3.9
135290	1450	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	26	14.4
135290	1450	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	4	2.2
135290	1450	*Quercus*	Oak	Wood	Positive	Charred	1	0.6
135290	1450	*Zea mays*	Maize	Kernel	Positive	Charred	1(0)	<0.1
135290	1456	*Juniperus*	Juniper	Wood	Positive	Charred	2	0.1
135290	1456	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	0.3
135290	1456	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	<0.1
135290	1456	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1
135290	1456	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1
135290	1456	*Zea mays*	Maize	Kernel	Positive	Charred	3(1)	0.1
135290	1465	Gymnospermae	Unknown conifer	Wood	Positive	Charred	15	2.5
135290	1465	*Juniperus*	Juniper	Wood	Positive	Charred	2	0.8
135290	1465	*Pinus edulis*	Piñon	Wood	Fairly certain	Charred	35	7.4
135290	1465	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	33	6.7
135290	1471	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	5	1.3
135290	1471	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	0.1
135290	1471	*Juniperus*	Juniper	Wood	Positive	Charred	2	0.3
135290	1471	*Phaseolus*	Bean	Cotyledon	Positive	Charred	2(0)	0.1
135290	1471	*Pinus*	Pine	Wood	Positive	Charred	3	1.7
135290	1471	*Pinus edulis*	Piñon	Wood	Fairly certain	Charred	3	0.5
135290	1471	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	37	16.7
135290	1471	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	7	1.4
135290	1471	*Quercus*	Oak	Wood	Positive	Charred	2	0.2
135290	1471	*Zea mays*	Maize	Kernel	Positive	Charred	28(14)	1.9
135290	1471	*Zea mays*	Maize	Fused kernel mass	Positive	Charred	3(3)	3.0
135290	1515	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	0.2
135290	1515	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	15	1.5
135290	1559	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	2	0.9

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
135290	1559	*Juniperus*	Juniper	Wood	Positive	Charred	1	0.2
135290	1559	*Pinus edulis*	Piñon	Wood	Positive	Charred	6	1.8
135290	1559	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	15	5.7
135290	1559	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	5	0.4
135290	1559	*Pseudotsuga menziesii*	Douglas fir	Wood	Fairly certain	Charred	1	1.0
135290	1559	*Zea mays*	Maize	Shank	Fairly certain	Charred	1(0)	0.1
135290	1559	*Zea mays*	Maize	Cob	Positive	Charred	1(0)	0.7
135290	1559	*Zea mays*	Maize	Cupule segment	Positive	Charred	4(4)	0.1
135290	1559	*Zea mays*	Maize	Kernel	Positive	Charred	9(9)	0.8
135290	1585	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	0.2
135290	1585	*Phaseolus*	Bean	Cotyledon	Positive	Charred	1(1)	<0.1
135290	1585	*Pinus*	Pine	Wood	Positive	Charred	10	6.6
135290	1585	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	28	15.7
135290	1585	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	0.1
135290	1585	*Quercus*	Oak	Wood	Positive	Charred	7	1.9
135290	1585	*Zea mays*	Maize	Cupule segment	Positive	Charred	1(1)	<0.1
135290	1585	*Zea mays*	Maize	Kernel	Positive	Charred	17(12)	1.9
135290	1587	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Part. Charred	30	200.2
135290	1703	*Zea mays*	Maize	Kernel	Positive	Charred	1(1)	0.1
135290	1703	*Zea mays*	Maize	Cob	Positive	Charred	3(0)	1.4
135290	1741	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	1	0.1
135290	1741	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	0.6
135290	1741	*Pinus*	Pine	Wood	Positive	Charred	13	4.2
135290	1741	*Pinus edulis*	Piñon	Wood	Positive	Charred	10	4.0
135290	1741	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	36	11.3
135290	1741	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	0.1
135290	1741	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	0.1
135290	1752	Gymnospermae	Unknown conifer	Wood	Positive	Charred	6	1.6
135290	1752	*Pinus*	Pine	Wood	Positive	Charred	3	0.3
135290	1752	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	25	5.1
135290	1752	*Zea mays*	Maize	Cupule	Positive	Charred	10(9)	0.3
135290	1752	*Zea mays*	Maize	Cob	Positive	Charred	3	2.2
135290	1752	*Zea mays*	Maize	Cupule segment	Positive	Charred	8(8)	0.7
135290	1764	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	0.7
135290	1764	*Pinus*	Pine	Wood	Positive	Charred	6	2.0
135290	1764	*Pinus edulis*	Piñon	Wood	Fairly certain	Charred	4	6.7
135290	1764	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	10	3.6

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
135290	1764	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	0.1
135290	1764	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	0.2
135290	1764	*Zea mays*	Maize	Kernel	Positive	Charred	10(7)	0.7
135290	1786	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	0.2
135290	1786	*Pinus*	Pine	Wood	Positive	Charred	10	2.9
135290	1786	*Pinus edulis*	Piñon	Wood	Positive	Charred	15	6.4
135290	1786	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	36	11.2
135290	1786	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	3	0.4
135290	1786	*Pseudotsuga menziesii*	Douglas fir	Wood	Fairly certain	Charred	2	1.3
135290	1786	*Quercus*	Oak	Wood	Positive	Charred	8	2.7
135290	1831	*Pinus edulis*	Piñon	Wood	Fairly certain	Charred	1	0.2
135290	1831	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	20	6.7
135290	1857	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	2	0.3
135290	1902	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	1.4
135290	1902	*Pinus*	Pine	Wood	Positive	Uncharred	1	0.7
135290	1902	*Pinus*	Pine	Wood	Positive	Charred	6	1.7
135290	1902	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	23	7.8
135290	1902	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	2	0.3
135290	1903	*Zea mays*	Maize	Kernel	Positive	Charred	1(1)	0.1
135290	1938	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	2	0.8
135290	1938	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	1.3
135290	1938	*Juniperus*	Juniper	Wood	Positive	Charred	1	0.1
135290	1938	*Pinus*	Pine	Wood	Positive	Charred	8	2.7
135290	1938	*Pinus edulis*	Piñon	Wood	Positive	Charred	4	1.0
135290	1938	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	40	15.4
135290	2046	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	1	0.3
135290	2046	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	0.9
135290	2046	*Juniperus*	Juniper	Wood	Positive	Charred	2	0.1
135290	2046	*Pinus*	Pine	Wood	Positive	Charred	4	0.5
135290	2046	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	13	2.4
135290	2046	*Quercus*	Oak	Wood	Positive	Charred	1	0.2
135290	2097	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	3	5.1
135290	2098	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	3	1.3
135290	2098	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	0.5
135290	2098	*Pinus*	Pine	Wood	Positive	Charred	3	0.5
135290	2098	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	17	3.5
135290	2098	*Quercus*	Oak	Wood	Positive	Charred	3	0.2

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
135290	2103	*Zea mays*	Maize	Cupule segment	Positive	Charred	1(1)	0.1
135290	2103	*Zea mays*	Maize	Kernel	Positive	Charred	1(1)	0.1
135290	2108	*Pinus*	Pine	Wood	Positive	Charred	5	1.7
135290	2108	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Part. Charred	1	11.9
135290	2108	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	22	4.1
135290	2108	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	22	4.2
135290	2118	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	0.3
135290	2118	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	2	0.2
135290	2118	*Zea mays*	Maize	Kernel	Positive	Charred	2(2)	0.2
135290	2132	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	2	0.7
135290	2145	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	0.4
135290	2145	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	2	0.7
135290	2148	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	1.7
135290	2148	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	0.4
135290	2148	*Zea mays*	Maize	Shank	Fairly certain	Charred	1	0.2
135290	2178	*Atriplex/ Sarcobatus*	Saltbush/ greasewood	Wood	Positive	Charred	1	<0.1
135290	2178	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	0.1
135290	2178	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	4	0.6
135290	2178	*Zea mays*	Maize	Kernel	Positive	Charred	2(2)	0.1
135290	2213	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	7	2.0
135290	2213	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	1	0.1
135290	2246	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	0.6
135290	2263	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Part. Charred	1	15.4
135290	2268	*Juniperus*	Juniper	Wood	Positive	Charred	2	1.7
135290	2268	*Pinus*	Pine	Wood	Positive	Charred	6	3.7
135290	2268	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	2.7
135290	2268	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	20	16.7
135290	2268	*Pseudotsuga menziesii*	Douglas fir	Wood	Fairly certain	Charred	7	2.2
135290	2268	*Quercus*	Oak	Wood	Positive	Charred	2	0.5
135290	2281	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	1	<0.1
135290	2281	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	0.2
135290	2281	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	9	1.8
135290	2281	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	2	0.1
135290	2281	*Zea mays*	Maize	Kernel	Positive	Charred	10(1)	0.7
135290	2303	*Phaseolus*	Bean	Cotyledon	Positive	Charred	1(0)	<0.1
135290	2303	*Pinus*	Pine	Wood	Positive	Charred	2	0.1
135290	2303	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	11	3.1

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
135290	2303	*Zea mays*	Maize	Kernel	Positive	Charred	4(0)	0.2
135290	2314	*Pinus*	Pine	Umbo	Positive	Uncharred	1(1)	0.1
135290	2314	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	2	0.2
135290	2333	*Zea mays*	Maize	Kernel	Positive	Charred	1(1)	0.1
135290	2345	*Pinus*	Pine	Wood	Positive	Charred	2	1.7
135290	2346	*Pinus*	Pine	Wood	Positive	Charred	4	1.9
135290	2346	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	4	0.9
135290	2353	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	0.8
135290	2353	*Phaseolus*	Bean	Cotyledon	Positive	Charred	1(1)	0.1
135290	2353	*Pinus*	Pine	Wood	Positive	Charred	8	3.3
135290	2353	*Pinus edulis*	Piñon	Wood	Fairly certain	Charred	2	1.7
135290	2353	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	29	10.0
135290	2353	*Zea mays*	Maize	Cupule segment	Positive	Charred	2(2)	0.3
135290	2481	*Atriplex/ Sarcobatus*	Saltbush/greasewood	Wood	Positive	Charred	1	<0.1
135290	2481	*Juniperus*	Juniper	Wood	Positive	Charred	3	0.1
135290	2481	*Pinus*	Pine	Wood	Positive	Charred	2	0.2
135290	2481	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1
135290	2481	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	4	1.9
135290	2481	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	2	0.1
135290	2481	*Zea mays*	Maize	Cupule segment	Positive	Charred	1(1)	<0.1
135290	2481	*Zea mays*	Maize	Kernel	Positive	Charred	35(22)	1.9
135290	2485	*Pinus*	Pine	Bark scale	Positive	Part. Charred	32	2.4
135290	2485	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	0.8
135290	2485	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	0.1
135290	2485	*Populus/Salix*	Cottonwood/willow	Wood	Positive	Charred	5	0.4
135290	2513	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1
135290	2513	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1
135290	2513	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	5	1.0
135290	2513	*Zea mays*	Maize	Kernel	Positive	Charred	1(1)	0.2
135290	2513	*Zea mays*	Maize	Cupule	Positive	Charred	1(1)	<0.1
135290	2555	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	1	0.5
135290	2591	*Juniperus*	Juniper	Wood	Positive	Charred	3	0.6
135290	2591	*Pinus*	Pine	Wood	Positive	Charred	2	0.5
135290	2591	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	0.7
135290	2591	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	15	2.8
139418	325	Pinus ponderosa	Ponderosa pine	Wood	Fairly certain	Charred	3	0.8
139418	332	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	0.2

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
139418	332	Pinus ponderosa	Ponderosa pine	Wood	Fairly certain	Charred	3	0.5
139418	333	Pinus ponderosa	Ponderosa pine	Wood	Fairly certain	Charred	5	1.1
139418	334	Pinus edulis	Piñon	Wood	Fairly certain	Charred	3	0.3
139418	344	Atriplex/Sarcobatus	Saltbush/greasewood	Wood	Positive	Charred	1	<0.1
139418	344	Pinus	Pine	Wood	Positive	Charred	5	0.3
139418	347	Pinus	Pine	Wood	Positive	Part. Charred	3	9.3
139418	354	Pinus ponderosa	Ponderosa pine	Wood	Fairly certain	Charred	3	0.3
141505	44	Pinus edulis	Piñon	Seed	Positive	Uncharred	17(12)	2.5
141505	44	Juniperus	Juniper	Twig	Positive	Uncharred	2(0)	<0.1
141505	44	Pinus	Pine	Umbo	Positive	Uncharred	8(8)	0.2
141505	44	PlatyOpuntia	Pricklypear cactus	Seed	Positive	Uncharred	9(8)	<0.1
141505	44	Juniperus	Juniper	Seed	Positive	Uncharred	99(93)	2.3
141505	73	Cercocarpus	Mountain mahogany	Wood	Positive	Charred	3	0.2
141505	73	Gymnospermae	Unknown conifer	Wood	Positive	Charred	9	0.2
141505	77	Pseudotsuga menziesii	Douglas fir	Wood	Fairly certain	Charred	12	1.2
141505	77	Cercocarpus	Mountain mahogany	Wood	Positive	Charred	7	1.2
141505	77	Gymnospermae	Unknown conifer	Wood	Positive	Charred	9	1.1
141505	81	Pseudotsuga menziesii	Douglas fir	Wood	Fairly certain	Charred	6	0.6
85407	41	*Phaseolus*	Bean	Cotyledon	Fairly certain	Charred	1(0)	<0.1
85407	64	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	1	<0.1
85407	95	*Prunus persica*	Peach	Stone	Positive	Uncharred	2(0)	2.1
85411	85	*Pinus*	Pine	Umbo	Positive	Charred	1(1)	<0.1
85411	85	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	6	0.1
85859	138	*Pinus*	Pine	Wood	Positive	Charred	12	0.2
85859	361	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1
85859	362	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1
85859	363	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1
85864	7	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1
85864	7	*Pinus edulis*	Piñon	Wood	Positive	Charred	10	0.5
85864	7	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	3	<0.1
85864	9	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	4	0.3
85864	9	*Pinus edulis*	Piñon	Wood	Positive	Charred	50	4.8
85864	9	*Juniperus*	Juniper	Wood	Positive	Charred	7	0.5
85864	12	*Pinus edulis*	Piñon	Wood	Positive	Charred	19	1.5
85869	237	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1
85869	244	*Juniperus*	Juniper	Wood	Positive	Charred	2	<0.1
85869	247	*PlatyOpuntia*	Pricklypear cactus	Seed	Positive	Uncharred	1	<0.1

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
85869	278	*Juniperus*	Juniper	Seed	Positive	Uncharred	0	0
85869	278	*Juniperus*	Juniper	Twig	Positive	Uncharred	0	0
85869	278	*Pinus*	Pine	Umbo	Positive	Uncharred	0	0
85869	278	*Pinus edulis*	Piñon	Needle	Positive	Uncharred	0	0
99396	472	*Pinus*	Pine	Wood	Positive	Charred	20	3.5
99396	472	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	0.6
99396	472	*Cercocarpus*	Mountain mahogany	Wood	Positive	Charred	6	0.3
99396	472	*Pinus edulis*	Piñon	Wood	Fairly certain	Charred	77	46.3
99396	774	*Juniperus*	Juniper	Wood	Fairly certain	Charred	1	<0.1
99396	775	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1
99397	211	*Pinus edulis*	Piñon	Wood	Positive	Charred	3	0.1
99397	214	*Pinus edulis*	Piñon	Wood	Fairly certain	Charred	30	4.0
99397	214	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	0.4
99397	282	*Pinus ponderosa*	Ponderosa pine	Wood	Resembles taxon	Charred	5	1.7
99397	283	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	3	3.8
99397	291	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	0.1
99397	292	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	1	0.7
86528	1	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	0.4
86528	1	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	4	0.6
86528	1	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	<0.1
86528	1	Unknown	Unknown	Plant part	Positive	Charred	1	<0.1
86528	2	*Pinus ponderosa*	Ponderosa pine	Wood	Fairly certain	Charred	2	0.7
86528	2	Gymnospermae	Unknown conifer	Wood	Positive	Charred	4	0.2
86528	1	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	0.4
86528	3	*Quercus*	Oak	Wood	Fairly certain	Charred	45	7.5
86528	3	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	0.5
86528	3	Gymnospermae	Unknown conifer	Wood	Positive	Charred	6	0.7
86528	3	*Pinus*	Pine	Wood	Positive	Charred	3	0.2
86528	4	*Pinus*	Pine	Wood	Positive	Charred	3	0.2
86528	4	*Pinus edulis*	Piñon	Wood	Positive	Charred	5	0.3
86528	4	Gymnospermae	Unknown conifer	Wood	Positive	Charred	11	0.4
86528	4	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	3	0.5
86528	4	*Quercus*	Oak	Wood	Positive	Charred	4	0.3
86528	4	Gymnospermae	Unknown conifer	Wood	Positive	Partially charred	2	1.3
86528	4	*Artemisia*	Sagebrush	Wood	Positive	Charred	1	0.4
86531	8	*Quercus*	Oak	Wood	Positive	Charred	11	4.5
86531	8	*Pinus ponderosa*	Ponderosa pine	Wood	Positive	Charred	2	0.2

Site	FS No.	Scientific Name	Common Name	Plant Part	Confidence	Condition	Count	Weight
86531	8	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1
86531	9	*Pinus*	Pine	Wood	Positive	Charred	3	0.2
86531	9	*Quercus*	Oak	Wood	Positive	Charred	14	2.1
86531	9	*Pinus edulis*	Piñon	Wood	Positive	Charred	5	0.6
86531	9	Gymnospermae	Unknown conifer	Wood	Positive	Charred	5	0.2
110126	6	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1
110126	6	*Cercocarpus*	Mountain mahogany	Wood	Fairly certain	Charred	1	<0.1
110126	6	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1
110126	7	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	2	<0.1
110126	7	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1
110126	7	*Cercocarpus*	Mountain mahogany	Wood	Fairly certain	Charred	1	<0.1
110126	7	*Chrysothamnus*	Rabbitbrush	Wood	Fairly certain	Charred	5	0.1
110126	8	Unknown non-conifer	Unknown non-conifer	Wood	Positive	Charred	1	<0.1
110126	8	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	0.1
110126	8	*Cercocarpus*	Mountain mahogany	Wood	Fairly certain	Charred	1	0.1
110126	10	*Chrysothamnus*	Rabbitbrush	Wood	Fairly certain	Charred	30	1.4
110126	10	Gymnospermae	Unknown conifer	Wood	Positive	Charred	2	0.6
117883	8	*Quercus*	Oak	Wood	Positive	Charred	8	0.6
117883	8	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	0.1
117883	21	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	0.1
117883	21	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	0.3
117883	21	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1
61034	10	*Quercus*	Oak	Wood	Positive	Charred	1	<0.1
61034	16	*Pinus*	Pine	Wood	Positive	Charred	2	<0.1
61034	19	*Pinus*	Pine	Wood	Positive	Charred	1	<0.1
61035	3	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	<0.1
61035	23	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	0.1
61035	23	*Pinus edulis*	Piñon	Wood	Positive	Charred	1	0.2
61035	23	*Juniperus*	Juniper	Wood	Positive	Charred	3	0.5
61035	27	*Juniperus*	Juniper	Wood	Positive	Charred	3	0.1
61035	27	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1
61035	30	Gymnospermae	Unknown conifer	Wood	Positive	Charred	3	0.1
61035	30	*Juniperus*	Juniper	Wood	Positive	Charred	1	<0.1
61035	40	*Juniperus*	Juniper	Wood	Positive	Charred	6	0.7
61035	43	*Pinus edulis*	Piñon	Wood	Positive	Charred	2	0.2
61035	43	Gymnospermae	Unknown conifer	Wood	Positive	Charred	1	<0.1

APPENDIX V
MAIZE MORPHOMETRICS

Table V.1. C&T *Zea mays* kernel morphometrics.

Site	FS No.	Lacks Embryo?	Swollen?	Height	Width	Thickness
12587	1236	No	Yes	9.6	7.1	5.9
12587	1236	No	No	7.5	6.3	2.9
12587	1236	No	Yes	5.7	7.3	4.1
12587	1236	No	No	9.4	7.8	4.4
12587	1236	No	No	6.5	6.7	5.2
12587	1236	Yes	No	6.5	6.3	4.8
12587	1236	Yes	Yes	7.2	7.7	4.8
12587	1236	No	No	8.6	7.4	3.7
12587	1236	No	No	7.1	4.9	5.4
12587	1236	No	No	7.8	7.3	4.7
12587	1236	No	No	7.4	7.4	4.3
12587	1236	No	Yes	7.3	7.9	5.8
12587	1236	No	No	7.9	6.3	4.3
12587	1236	Yes	Yes	7	6.5	5.9
12587	1236	No	Yes	8.7	6.8	4.8
12587	1236	No	No	6.4	6.2	5.7
12587	1236	Yes	No	6.7	6.4	3
12587	1236	No	Yes	10.2	7.1	3.5
12587	1236	No	Yes	6.7	5.6	5.3
12587	1236	No	Yes	5.6	6.6	4.8
12587	1236	No	No	7.6	5.1	4.7
12587	1236	No	No	7.7	6.6	5.1
12587	1236	No	No	8.4	7.1	2.8
12587	1236	No	No	7.6	6.7	4.6
12587	1236	No	Yes	8.7	9.1	4.2
12587	1236	No	No	6.9	6.1	3.7
12587	1236	No	Yes	5.9	6.5	5.7
12587	1236	Yes	No	7.1	6.5	3.4
12587	1236	Yes	No	5.7	5.1	3.4
12587	1236	No	No	6.7	6	2.8
12587	1236	Yes	No	6.4	5.4	2.9
12587	1236	No	No	7.5	6.5	3.8
12587	1236	Yes	No	6.5	5.7	3
12587	1236	No	No	7.4	5.8	3.3
12587	1236	Yes	No	4.8	4.9	3.9
12587	1236	Yes	No	7.3	5.8	2.9
12587	1236	Yes	No	6.9	6.7	4.2
12587	1236	Yes	No	6.2	5.2	4
12587	1236	No	Yes	6	6	5.3

Site	FS No.	Lacks Embryo?	Swollen?	Height	Width	Thickness
12587	1236	Yes	No	5.5	5.6	3.2
12587	1236	Yes	No	5	5.3	2.5
12587	1236	Yes	No	7.4	6.4	3.7
12587	1236	No	Yes	5.2	6.3	5.2
12587	1236	Yes	Yes	5.3	6.8	5.2
12587	1236	Yes	No	6.6	5.4	4.1
12587	1236	No	No	7.9	7.3	3.8
12587	1236	No	No	7.5	6.3	3
12587	1236	Yes	No	5.9	6	3.1
12587	1236	No	No	4.2	4.4	3.6
12587	1236	No	No	7.5	6.2	3.1
12587	1236	Yes	No	5.7	5.1	4
12587	1236	No	No	6.6	6.5	4.3
12587	1508	Yes	Yes	5.1	6.9	3.9
12587	1508	No	No	8.4	8	4.3
12587	1508	No	No	8.2	5.3	3.8
12587	1508	No	No	7.1	5.5	3.9
12587	1514	Yes	No	8.1	5.5	3.8
12587	1514	Yes	No	5.8	4.9	4.9
12587	1514	Yes	No	7.8	5.4	4.5
12587	1514	No	Yes	6.3	6.7	4.7
12587	1514	No	Yes	7.7	7.8	6.6
12587	1514	Yes	No	8.6	7.4	3.6
12587	1514	No	No	8.6	5.3	4.6
12587	1514	No	Yes	5.9	6.7	5.5
12587	1514	No	No	7.4	5.8	3
12587	1514	Yes	Yes	7.2	8.3	3.7
12587	1514	No	No	6.2	5.4	3.6
12587	1514	No	No	9.4	8.2	4.3
12587	1514	No	No	6	5.9	4.9
12587	1514	No	No	6.7	4.9	2.4
12587	1514	Yes	No	4.9	5.4	2.8
12587	1514	Yes	No	7.8	6.4	4.3
12587	1514	No	Yes	6.8	7	4.1
12587	1514	Yes	No	4.9	5.8	4
12587	1514	No	Yes	6.2	5.2	6.2
12587	1514	No	No	6.1	5.4	3.4
12587	1514	No	No	3	3	2.8
12587	1567	No	No	7.1	6.5	3.8
12587	1567	No	No	7.2	5.8	3.6
12587	1567	No	No	7.9	7.3	3.5
12587	1567	Yes	Yes	7	7.6	4.2
12587	1567	No	No	6.6	5.9	3.3
12587	1567	No	No	8.6	5.3	3.5

Site	FS No.	Lacks Embryo?	Swollen?	Height	Width	Thickness
12587	1567	Yes	No	9.7	6.3	4.5
12587	1567	No	Yes	5.8	7.1	4.5
12587	1567	No	No	7	6.5	3.9
12587	1567	Yes	No	7.6	7.4	4.5
12587	1939	Yes	Yes	7.4	7.4	4
12587	1939	No	No	8.6	6.6	4.1
12587	1939	No	No	6	6	3.9
12587	1939	No	No	7	5.2	3.3
12587	1939	Yes	No	6.6	5.9	3.3
12587	1939	No	Yes	6.8	6.5	6.3
12587	1939	No	No	8.9	8.4	3.2
12587	1939	No	No	8.8	7	2.5
12587	1939	No	No	6.7	7.2	4
12587	1939	No	No	7.4	6.2	3.3
12587	1939	No	No	8.6	6.2	3.5
12587	1939	No	Yes	7.8	7.2	4.4
12587	1939	No	No	8.2	6.2	4.4
12587	1939	No	No	8.3	7.2	4
12587	1939	No	No	8.5	6.9	3
12587	1939	Yes	No	6.3	6.2	4.2
12587	1939	No	No	9.1	7.7	3.9
12587	1939	No	No	7.3	7.6	3.8
12587	1939	No	No	6.7	6.5	3.5
12587	1939	No	No	8.8	7.1	2.9
12587	1939	No	Yes	7.8	8	5.8
12587	2200	No	No	7.9	6.8	3.4
12587	2200	No	No	9.6	7.4	4
12587	2200	No	No	7.7	7.6	2.9
12587	2200	No	No	7.4	7.1	3.8
12587	2200	No	Yes	8.1	8	6
12587	2200	No	No	8.4	7.5	3.3
12587	2200	Yes	No	7.5	7.3	3
12587	2200	No	No	7.6	6.6	3.9
12587	2200	No	No	7.3	6.1	3.1
12587	2200	No	No	6.4	6.5	4
12587	2200	No	Yes	7.1	7.6	4.1
12587	2200	No	Yes	7.8	6.2	5.8
12587	2200	No	No	8	7.1	5.3
12587	2200	No	Yes	6.7	7.3	6.1
12587	2200	No	Yes	6.6	8	4.9
12587	2200	No	No	8.6	8.3	3
12587	2200	No	Yes	7.3	7	6.2
12587	2200	No	No	9	5.9	3.3
12587	2200	No	No	9.2	7.9	4.3

Site	FS No.	Lacks Embryo?	Swollen?	Height	Width	Thickness
12587	2200	Yes	No	8.2	6.2	3
12587	2559	No	No	6.7	6.6	4.8
12587	2559	No	Yes	6.9	6.2	5.9
12587	2559	No	No	7.7	6.7	4.3
12587	2559	Yes	Yes	6.3	7.4	3.7
12587	2559	Yes	No	7.3	6.7	3.2
12587	2559	Yes	Yes	6.8	6.8	4.5
12587	2559	No	Yes	7	6.9	4.7
12587	2559	Yes	No	6.4	6.3	4.5
12587	2559	Yes	Yes	6.8	8	4
12587	2559	No	No	6.8	7	3.9
12587	2725	No	No	9.2	6.6	3.3
12587	2725	No	No	9.3	6	3.1
12587	2725	No	Yes	8.7	6.1	5.6
12587	2725	No	Yes	9.1	8.2	5.6
12587	2725	No	No	7.8	7.9	4
12587	2725	No	No	7.1	6.4	3.5
12587	2725	Yes	Yes	6.7	7.5	3.3
12587	2725	No	No	8.2	7.8	4.1
12587	2725	No	No	9.5	8.1	4.3
12587	2725	Yes	No	7.3	7.6	3.7
12587	2888	No	No	11.5	7.6	4.6
12587	2888	No	No	8.1	6.2	5.3
12587	2888	No	No	7.8	5.8	4.7
12587	2888	No	No	8.7	7	4.1
12587	2888	No	No	8.6	8.1	4.3
12587	2888	No	No	8.4	7.9	4.2
12587	2888	No	No	8.9	5.3	4.4
12587	2888	No	No	7.9	7.6	4.6
12587	2888	No	No	7.6	8.1	3.2
12587	2888	Yes	No	7.1	6.5	3.2
12587	712	No	No	7.9	5	3.1
12587	712	Yes	No	5.1	5.1	3.5
12587	712	No	No	8	7.8	4
12587	712	Yes	No	7.4	6.5	3.6
12587	818	No	No	8.1	6.3	3
12587	877	Yes	No	6.8	5.1	4.6
12587	877	Yes	No	5.9	6	2.9
12587	910	No	No	7.9	6.3	3.7
12587	910	No	No	7.3	5.7	3.5
12587	910	Yes	No	6.7	6.7	3.6
12587	922	No	Yes	6.7	7.5	5.2
12587	922	Yes	No	5.5	3.7	3.2
12587	957	Yes	No	5.9	6.4	4.7

Site	FS No.	Lacks Embryo?	Swollen?	Height	Width	Thickness
12587	957	Yes	No	7.2	7.2	3.5
12587	972	No	No	7.7	6.8	3.4
12587	972	No	Yes	6.9	6.1	4.5
12587	972	No	No	7.8	7.2	3.6
12587	972	Yes	No	9.2	7.4	3.5
12587	972	Yes	No	5.3	5.6	3.7
12587	972	No	No	7.6	7.3	4.1
12587	972	No	No	8.2	6.2	4.4
12587	972	No	Yes	5.5	6.5	2.9
12587	972	Yes	No	7.4	6.2	3.5
12587	972	No	Yes	6.1	6.1	5.2
12587	985	Yes	Yes	7.4	7.9	5.6
12587	985	Yes	No	5.8	4.1	3
12587	985	No	No	5.9	5.1	3.1
12587	985	Yes	Yes	7.3	7.4	3.2
12587	985	Yes	No	5.3	3.6	4
12587	994	Yes	No	7	5.6	2.7
12587	994	Yes	No	7.8	6.9	3.2
12587	1003	No	No	9.2	7.6	3.3
12587	1003	No	No	8.7	6.6	3.2
12587	1003	Yes	No	6.8	6.4	4.3
12587	1003	No	No	5.8	5	4.3
12587	1003	Yes	No	8.2	6.4	3.4
12587	1003	No	Yes	7.1	7.9	4
12587	1003	No	No	6.2	6.1	3.8
12587	1003	No	No	10	6.3	3.5
12587	1003	No	No	8.9	6.2	3.4
12587	1003	Yes	No	7.6	7.1	3.8
12587	1003	No	No	8.5	8.5	3.9
12587	1003	No	No	8.3	6.8	4.5
12587	1003	Yes	No	6.3	5.7	3
12587	1003	No	Yes	6.4	6.9	5.8
12587	1003	Yes	Yes	6.2	7	3.7
12587	1003	No	No	8	7.2	4.2
12587	1003	Yes	No	8.1	6.4	3.5
12587	1003	No	No	8	6.5	3.6
12587	1003	Yes	No	7.5	8	2.9
12587	1003	Yes	No	6.7	5.4	2.5
12587	1003	No	Yes	6.2	6.7	4
12587	1007	Yes	No	6.9	5.4	3.6
12587	1007	No	No	7.4	5.6	3.6
12587	1029	Yes	No	5.9	5.5	3.7
12587	1029	Yes	Yes	4.9	5.9	4.2
12587	1089	No	No	7.3	7.1	3.9

Site	FS No.	Lacks Embryo?	Swollen?	Height	Width	Thickness
12587	1193	No	No	9.2	6.8	2.4
12587	1193	No	No	8.8	6.5	4.6
12587	1193	No	Yes	7.3	6.3	4.9
12587	1193	Yes	No	7.1	6	3.9
12587	1193	No	No	7.9	6.6	3.6
12587	1193	Yes	No	9.5	8.1	3.5
12587	1193	No	No	7.6	5.9	2.8
12587	1193	No	Yes	6.3	7.6	4.4
12587	1193	No	No	8.4	7.3	4.2
12587	1193	Yes	No	5.2	5.1	3.2
12587	1225	Yes	Yes	5.6	5.3	5
12587	1275	Yes	No	7.5	6.7	2.9
12587	1400	No	No	7.2	5.7	3.1
12587	1400	No	No	7.5	5.9	3.5
12587	1400	No	Yes	7.7	7.1	5.5
12587	1400	No	No	7.3	6.2	3.3
12587	1400	Yes	No	7.3	6.6	4.1
12587	1400	No	No	9	7.1	3.1
12587	1400	Yes	No	7.4	7.3	3.5
12587	1400	No	No	8.2	6	4.8
12587	1400	Yes	No	7.7	7.4	3.7
12587	1400	No	No	7.2	6.8	3.6
12587	1447	No	No	8.3	8	3.8
12587	1447	Yes	No	7	7.2	3.3
12587	1447	No	No	7.6	5.5	3.1
12587	1447	Yes	Yes	6.6	7.8	4.8
12587	1447	No	No	10	7.4	3.8
12587	1447	Yes	No	5.9	6.4	2.6
12587	1447	Yes	Yes	7.3	7.8	4.6
12587	1447	No	No	7.9	7.9	4.5
12587	1447	Yes	No	8.2	7.7	3.5
12587	1447	No	No	7.3	6.7	3
12587	2044	Yes	No	6.7	5.9	3.9
12587	2169	No	No	7.8	6.8	3.7
12587	2169	Yes	No	8	6.5	3.4
12587	2169	Yes	No	8.6	7.5	3.4
12587	2169	No	Yes	6.1	6.9	5.4
12587	2169	No	Yes	8.2	6.8	5.8
12587	2169	Yes	Yes	9.3	9.2	4
12587	2169	No	No	7.3	6.7	3.1
12587	2169	No	No	9.3	7.4	3.4
12587	2362	No	No	9.2	7.3	3.5
12587	2362	Yes	No	7.5	7.5	4.3
12587	2362	Yes	No	8.5	8.1	2.8

Site	FS No.	Lacks Embryo?	Swollen?	Height	Width	Thickness
12587	2362	No	No	8.4	7.3	3.8
12587	2362	Yes	No	7.7	7	4.5
12587	2362	No	No	6.3	6.4	3.8
12587	2362	Yes	Yes	6.3	7.1	3.6
12587	2362	No	No	7.5	5.3	3.6
12587	2362	Yes	No	6.4	5.8	2.5
12587	2362	No	No	8.1	6.4	3.8
12587	2362	No	Yes	7.4	7.4	3.6
12587	2362	No	No	8.1	7.4	4
12587	2362	No	No	6.7	6.6	3.6
12587	2362	No	Yes	6	6.6	4.7
12587	2362	Yes	No	7.8	6.7	3.3
12587	2362	No	No	7.9	6.1	5.1
12587	2362	No	No	8.4	6.1	4
12587	2639	No	No	8	6.2	3
12587	2639	No	No	9.2	7.9	3.5
12587	2639	No	Yes	7.8	7	4.5
12587	2639	No	Yes	7.1	7.9	4.5
12587	2639	No	No	10	7.3	3.7
12587	2639	No	No	9	6.3	2.9
12587	2639	No	No	7.8	5.9	4
12587	2639	No	No	7.8	6.3	3.8
12587	2639	No	No	8.2	7.1	3.4
12587	2639	No	No	8.1	6.6	3.6
12587	2551	Yes	No	6.3	6.5	3.1
12587	2551	Yes	No	7.5	7.4	3.3
12587	2551	Yes	No	7.3	7	3.4
12587	2551	Yes	Yes	6.4	6.8	4.6
12587	2551	Yes	No	6.8	6.5	4.9
12587	2551	Yes	Yes	5.7	6.3	4.5
12587	2664	No	No	7.3	6.5	3.2
12587	2664	No	No	8.7	6.6	2.8
12587	2664	Yes	No	6.9	6.5	3.4
12587	2664	No	No	7.8	6.4	3.8
12587	2664	Yes	Yes	6.9	7.7	2.7
12587	2664	Yes	Yes	5.7	5.8	6.5
12587	2664	Yes	Yes	5.2	6.1	4.5
12587	2664	Yes	Yes	7.5	7.9	3.3
12587	2664	Yes	Yes	5.5	5.7	3.7
12587	2664	No	No	9.9	7	2.7
12587	2645	Yes	Yes	6.1	7.1	3.5
12587	2645	Yes	No	6.9	6.5	3.1
12587	2645	No	Yes	8.3	8.5	3.1
12587	2645	Yes	No	6.4	5.9	4.2

Site	FS No.	Lacks Embryo?	Swollen?	Height	Width	Thickness
12587	2646	Yes	Yes	6.7	6.2	6
12587	2646	Yes	Yes	6.3	7.4	5.7
12587	2646	No	No	6.7	6.8	3
12587	2646	Yes	No	7.5	6.5	3.5
12587	2646	No	Yes	5.9	7.8	5.7
12587	2668	Yes	No	6	5	2.3
12587	2668	Yes	Yes	5.4	6	3.6
12587	2831	No	Yes	6.8	7.2	3.4
12587	2831	No	No	9	6.2	4.6
12587	2831	Yes	No	7.1	6.8	4.1
12587	2831	Yes	No	7	6.6	5
12587	2831	No	No	6.9	6.2	4.2
12587	2831	No	Yes	7.5	6.4	4.7
12587	2831	No	No	8.5	7.2	3.5
12587	2831	No	No	9.2	6.7	4.5
12587	2831	No	No	7.5	7.2	3.4
12587	2831	No	No	6.9	7.3	3.3
12587	2697	No	No	7.8	5.8	2.9
12587	2697	Yes	No	8.4	6.4	3.7
12587	2697	Yes	No	7.2	6.4	4.3
12587	2697	No	Yes	5.8	6.6	4.4
12587	3324	Yes	No	6.5	6.3	3.4
12587	4138	No	No	5.7	5.9	3.4
12587	4138	No	No	7.6	6.5	3.2
12587	4138	No	No	7.6	6.8	3
Averages	-	37% lack embryo	25% swollen	7.3	6.6	3.9
128805	152	Yes	Yes	6.7	7.5	5
128805	230	Yes	Yes	5.4	7.3	6.8
135290	869	Yes	No	5.4	5.1	3.6
135290	869	Yes	Yes	6.4	8.3	4.4
135290	869	Yes	No	6.8	7.1	3.5
135290	869	No	Yes	6.8	7.9	4.5
135290	869	No	Yes	7	8	3.8
135290	869	Yes	No	7.3	7	4.3
135290	869	No	No	7.5	6.7	4.4
135290	869	Yes	No	7.7	7.4	3.4
135290	869	Yes	No	8.6	7.6	4.7
135290	869	No	No	11.7	6.4	2.8
135290	869	No	No	12.7	7.5	4.7
135290	874	Yes	Yes	3.9	5.6	4.5
135290	874	Yes	No	5.4	5	5
135290	874	No	No	5.4	5.5	4.2
135290	874	Yes	No	6	5.7	4.7
135290	874	No	Yes	6.3	5.9	6.5

Site	FS No.	Lacks Embryo?	Swollen?	Height	Width	Thickness
135290	874	No	No	6.7	6.7	3.1
135290	874	No	Yes	6.8	5.2	5.8
135290	874	No	No	6.8	5.7	4.2
135290	874	No	Yes	6.8	8.6	5.6
135290	874	No	Yes	7.2	7.2	5
135290	874	No	No	7.6	6	4.8
135290	874	No	No	8.4	7.6	4.6
135290	874	No	Yes	8.6	8.1	4.9
135290	968	Yes	No	5.5	5.6	3.5
135290	968	Yes	Yes	6.7	7.5	3.3
135290	968	No	Yes	7.5	8	5.3
135290	968	Yes	No	7.6	6.7	4.1
135290	1047	No	Yes	5.8	7.1	3.3
135290	1047	No	No	6.2	7.2	3.8
135290	1047	Yes	No	7.3	7.5	3.8
135290	1047	No	Yes	7.4	7.3	5.1
135290	1047	No	No	7.4	8.2	3.6
135290	1047	Yes	No	7.5	6.7	3.8
135290	1047	No	No	7.5	6.7	5.5
135290	1047	No	Yes	7.5	7.7	6.1
135290	1047	Yes	Yes	7.5	8.6	4.1
135290	1047	No	Yes	7.7	8.1	4.3
135290	1047	Yes	No	7.8	5.9	3.5
135290	1047	No	No	7.8	7	4.7
135290	1047	No	Yes	7.8	8.6	4.2
135290	1047	No	Yes	7.9	9	4.2
135290	1047	Yes	No	8	8.2	3.9
135290	1047	Yes	Yes	8	9	5.3
135290	1047	No	Yes	8	9.1	3.5
135290	1047	No	No	8.1	6.9	4.4
135290	1047	No	No	8.2	6.6	3.9
135290	1047	No	Yes	8.2	7	5.8
135290	1047	Yes	No	8.2	7.8	5.2
135290	1047	Yes	No	8.2	8.5	5.4
135290	1047	Yes	No	8.3	6.5	4.5
135290	1047	No	No	8.6	6.4	3.8
135290	1047	No	No	8.6	8.3	4.4
135290	1047	No	Yes	8.6	9.4	4.8
135290	1047	No	No	8.7	7.5	3.3
135290	1047	Yes	No	8.8	7.8	3.8
135290	1047	No	No	8.9	7.4	4.2
135290	1047	No	No	9	7.4	5.6
135290	1047	No	No	9.5	7.3	4.7
135290	1047	No	No	10.3	7.2	4.1

Site	FS No.	Lacks Embryo?	Swollen?	Height	Width	Thickness
135290	1130	Yes	No	6	5.6	5
135290	1130	Yes	No	6.3	6.4	3.1
135290	1130	Yes	No	6.4	5.9	3.8
135290	1130	Yes	Yes	6.4	7.5	4
135290	1130	Yes	No	6.6	6.4	3.5
135290	1130	Yes	No	7	7.4	4.2
135290	1130	Yes	No	7.3	7.6	4.1
135290	1130	No	No	7.5	7	4.2
135290	1130	Yes	No	7.6	6.7	5
135290	1130	Yes	No	7.8	5.7	4.3
135290	1130	Yes	No	7.8	6.7	4.3
135290	1130	Yes	No	7.9	7.8	4.8
135290	1130	Yes	No	8	6.8	5.6
135290	1130	Yes	No	8.1	7.1	4.7
135290	1130	Yes	No	8.4	7.7	3.9
135290	1130	No	No	8.5	7.2	4.1
135290	1130	Yes	No	8.6	6.5	4.2
135290	1130	No	Yes	8.6	6.6	4.2
135290	1130	Yes	No	8.7	6.3	4.6
135290	1130	No	No	9	8.6	4
135290	1130	No	No	9.5	8.4	4.7
135290	1326	Yes	Yes	5.1	6.1	4.3
135290	1326	Yes	Yes	6.3	6.8	3.9
135290	1326	Yes	No	6.5	6.6	4.1
135290	1326	Yes	Yes	6.7	7	5.3
135290	1326	Yes	Yes	6.7	7.3	4
135290	1326	Yes	Yes	7.1	6.8	6.3
135290	1326	Yes	Yes	7.1	9.7	5.3
135290	1326	Yes	No	7.2	7.2	4.5
135290	1326	Yes	Yes	7.9	9.4	5.2
135290	1326	No	No	8.1	6.8	4.4
135290	1326	No	No	9	7.4	3.6
135290	1326	No	No	9.5	7.1	4.5
135290	1326	No	No	9.6	7.1	5.4
135290	1326	No	No	9.9	8.4	4.2
135290	1456	Yes	No	7.8	7.6	5.8
135290	1471	Yes	Yes	6.2	6.8	4.3
135290	1471	Yes	No	7	5.2	5.2
135290	1471	Yes	No	7.1	6.9	4.2
135290	1471	No	Yes	8	8.4	5.3
135290	1471	No	No	8.6	6.5	4.3
135290	1471	No	No	9.3	7.6	4.3
135290	1471	Yes	No	9.3	8	3
135290	1471	No	No	9.7	7.5	5.2

Site	FS No.	Lacks Embryo?	Swollen?	Height	Width	Thickness
135290	1559	No	No	7.2	7.1	4.3
135290	1559	Yes	No	7.5	7.6	4.3
135290	1559	No	No	8.1	8	4.5
135290	1559	No	No	9.1	6.6	3.4
135290	1559	No	No	9.2	7.4	4.4
135290	1559	No	No	9.2	8	4.5
135290	1559	No	No	9.3	8.2	4.1
135290	1837	Yes	No	5.2	5.2	3.6
135290	1837	Yes	No	5.8	4.8	3.7
135290	2083	No	No	7.6	6.5	3.6
135290	2099	No	No	6.2	6.9	4.2
135290	2103	No	Yes	8.9	8.9	4.4
135290	2150	Yes	Yes	5.9	6.9	3.8
135290	2331	No	Yes	6.5	7	4.6
135290	2333	No	Yes	7.5	7.6	4.3
135290	2473	No	No	0	5.5	4
135290	2473	Yes	No	6	5.9	4
135290	2488	No	No	8.2	6.8	3
127635	123	No	No	5.3	5.9	3.7
Airport #2		No	No	7.1	5.5	4.0
Airport #2		No	No	7.8	6.0	3.5
Airport #2		No	Yes	7.2	7.4	4.4
Airport #2		No	No	9.1	6.8	5.2
Airport #2		No	Yes	6.9	7.5	3.6
Airport #2		No	No	7.5	6.1	3.9
Airport #2		No	No	7.6	6.7	4.4
Airport #2		No	Yes	10.5	6.3	5.3
Airport #2		Yes	No	3.4	3.7	2.6
Airport #2		No	Yes	6.1	7.6	3.8
Airport #2		No	No	7.4	6.3	3.1
Airport #2		No	No	9.0	7.8	4.0
Airport #2		No	Yes	6.1	7.8	5.6
Airport #2		No	No	6.8	6.7	3.4
Airport #2		No	Yes	7.2	7.1	3.6
Airport #2		No	Yes	6.0	7.1	3.6
Airport #2		No	No	8.7	6.6	4.4
Airport #2		No	No	8.7	7.0	4.7
Airport #2		No	No	9.2	6.5	3.3
Airport #2		Yes	No	7.1	5.7	4.7
Airport #2		No	Yes	4.9	5.7	3.4
Airport #2		No	No	8.2	5.0	4.1
Airport #2		Yes	Yes	6.3	6.8	3.9
Airport #2		No	Yes	6.8	7.4	3.7
Airport #2		Yes	No	7.7	7.2	3.4

Site	FS No.	Lacks Embryo?	Swollen?	Height	Width	Thickness
Airport #2		No	No	6.5	6.0	3.4
Airport #2		No	No	9.6	5.4	4.0
Airport #2		No	Yes	7.4	7.6	4.5
Airport #2		No	No	7.4	6.6	5.0
Airport #2		No	Yes	4.8	7.5	4.4
Airport #2		No	No	8.4	7.6	4.5
Airport #2		Yes	No	6.5	6.3	3.9
Airport #2		No	Yes	6.7	6.7	4.3
Airport #2		No	Yes	6.4	6.3	4.9
Airport #2		No	Yes	5.4	5.3	4.2
Airport #2		No	No	10.2	7.8	4.4
Airport #2		No	No	8.7	5.0	3.7
Airport #2		No	No	8.1	5.9	5.0
Airport #2		No	Yes	6.6	6.9	5.0
Airport #2		No	No	6.9	5.1	4.3
Airport #2		No	No	7.4	5.8	4.0
Airport #2		No	No	9.1	7.0	3.9
Airport #2		No	No	7.3	7.3	3.6
Airport #2		No	No	10.3	6.8	3.8
Airport #2		No	No	7.2	6.6	4.5
Airport #2		No	No	9.1	8.5	5.2
Airport #2		No	Yes	6.7	7.4	4.2
Airport #2		No	Yes	6.1	7.1	3.7
Airport #2		No	No	8.2	6.5	4.3
Airport #2		No	No	7.7	6.4	3.4

APPENDIX W
INTENSIVE SCANNING MICROSCOPY (ISM) RESULTS

Table W.1. Intensive scanning microscopy (ISM) results.

Site Number	Specimen Number	Context	Sample Weight gm	Slides Scanned	Tracers	ISM Threshold Conc. gr/gm	Total Number Single Maize Grains	ISM Maize Concentration gr/gm	Maize on slide other than first slide	Total Number Cotton Grains
LA 12587	4051	Gardens	22.5	3	1681	0.56	7	4.0		1
LA 12587	4052	Gardens	21.2	2	1394	0.72	3	2.2	2	
LA 12587	4055	Gardens	23.0	7	1394	0.67		0.0		
LA 12587	4056	Gardens	24.9	3	1025	0.84	6	5.0		
LA 12587	4057	Gardens	22.3	2	1558	0.61	7	4.3		
LA 12587	4058	Gardens	24.3	2	1661	0.53	1	0.5	2	
LA 12587	4059	Gardens	26.7	3	902	0.89	6	5.3		
LA 12587	4060	Gardens	23.0	2	1189	0.78		0.0		
LA 12587	4061	Gardens	22.1	3	1230	0.79	3	2.4	2	
LA 12587	4062	Gardens	23.2	3	1203	0.77	5	3.8		
LA 12587	4063	Gardens	22.4	3	1353	0.70	1	0.7	3	
LA 12587	4064	Gardens	23.5	3	1169	0.78	6	4.7		
LA 12587	4065	Gardens	25.8	3	1435	0.58	1	0.6		
LA 12587	4066	Gardens	26.3	2	1271	0.64		0.0		
LA 12587	4067	Gardens	25.9	2	1599	0.52	3	1.5		
LA 12587	4097	Gardens	26.5	1	1025	0.79	4	3.1		
LA 12587	4154	Gardens	23.5	2	1476	0.62	1	0.6		
LA 12587	4155	Gardens	21.8	2	1640	0.60	5	3.0	2	
LA 128803	6	Gardens	23.7	2	1324	0.68		0.0		
LA 128803	7	Gardens	23.8	2	1451	0.62		0.0		
LA 128803	11	Gardens	23.4	2	1082	0.84	2	1.7		
LA 128803	12	Gardens	21.8	2	1123	0.87	2	1.7		

Site Number	Specimen Number	Context	Sample Weight gm	Slides Scanned	Tracers	ISM Threshold Conc. gr/gm	Total Number Single Maize Grains	ISM Maize Concentration gr/gm	Maize on slide other than first slide	Total Number Cotton Grains
LA 128803	15	Gardens	19.4	2	1654	0.67		0.0		1
LA 128803	17	Gardens	18.9	2	1620	0.70		0.0		
LA 128803	19	Gardens	20.3	2	1292	0.81	5	4.1		
LA 128803	20	Gardens	22.3	2	1353	0.71		0.0		
LA 128803	22	Gardens	25.3	1	1421	0.59	5	3.0		
LA 128803	23	Gardens	23.2	2	1132	0.81	1	0.8	2	
LA 128803	26	Gardens	24.1	1	1312	0.68		0.0		
LA 128803	27	Gardens	18.7	2	1298	0.88	1	0.9	2	
LA 128803	34	Gardens	17.8	2	1606	0.75	2	1.5		
LA 128803	35	Gardens	21.9	1	1435	0.68		0.0		
LA 128803	36	Gardens	21.2	11	984	1.02		0.0		
LA 128803	39	Gardens	20.0	3	1255	0.85		0.0		
LA 139418	379	Gardens	23.7	1	2050	0.44	1	0.4		
LA 139418	380	Gardens	25.6	1	1312	0.64	1	0.6		
LA 139418	381	Gardens	21.1	1	1784	0.57		0.0		
LA 139418	382	Gardens	23.4	2	1476	0.62		0.0		
LA 139418	383	Gardens	22.2	1	1353	0.71		0.0		
LA 139418	384	Gardens	22.1	1	1419	0.68		0.0		
LA 139418	390	Gardens	27.0	2	1271	0.62		0.0		
LA 139418	391	Gardens	22.0	1	1302	0.75		0.0		
LA 139418	392	Gardens	27.3	1	2030	0.39		0.0		
LA 139418	393	Gardens	24.6	1	1394	0.62		0.0		
LA 139418	394	Gardens	24.9	1	1271	0.67		0.0		
LA 139418	395	Gardens	21.6	1	1693	0.58		0.0		

Site Number	Specimen Number	Context	Sample Weight gm	Slides Scanned	Tracers	ISM Threshold Conc. gr/gm	Total Number Single Maize Grains	ISM Maize Concentration gr/gm	Maize on slide other than first slide	Total Number Cotton Grains
LA 139418	396	Gardens	19.6	3	1230	0.89		0.0		
LA 139418	405	Gardens	22.8	3	1061	0.88		0.0		
LA 139418	406	Gardens	23.7	1	1025	0.88		0.0		
LA 139418	407	Gardens	26.3	1	1205	0.67		0.0		
LA 139418	408	Gardens	24.3	2	1066	0.82		0.0		
LA 139418	410	Gardens	27.1	1	2337	0.34		0.0		
LA 87430	169	Gardens	19.0	3	1148	0.98		0.0		
LA 87430	178	Gardens	18.8	7	1107	1.03	10	10.3		
Otowi North	30.1	Gardens	28.4	2	738	1.02		0.0		
Otowi North	30.2	Gardens	27.4	3	697	1.12		0.0		
Otowi North	30.3	Gardens	26.2	2	820	0.99	2	2.0		
Otowi North	30.4	Gardens	30.1	1	697	1.02	0	0.0		
Otowi North	30.5	Gardens	31.0	1	738	0.93	3	2.8		
Otowi North	30.6	Gardens	27.4	1	1189	0.66		0.0		
Otowi North	31	Gardens	26.2	1	738	1.10		0.0		
Otowi North	32	Gardens	24.7	3	1312	0.66		0.0		
Otowi North	33	Gardens	22.3	1	1025	0.93		0.0		
Otowi North	34	Gardens	27.4	2	820	0.95		0.0		
Otowi North	35	Gardens	32.8	2	656	0.99		0.0		
LA 12587	2634		17.3	1	1927	0.64	4	2.6		
LA 12587	2715		25.4	3	1148	0.73	2	1.5		
LA 12587	3360		17.4	2	1394	0.88	1	0.9	2	
LA 12587	5123		28.9	9	943	0.78	4	3.1		

Site Number	Specimen Number	Context	Sample Weight gm	Slides Scanned	Tracers	ISM Threshold Conc. gr/gm	Total Number Single Maize Grains	ISM Maize Concentration gr/gm	Maize on slide other than first slide	Total Number Cotton Grains
LA 12587	4111		9.3	2	4428	0.90	5	2.6		
LA 12587	4112		4.2	10	4879	1.81	4	4.2		
LA 12587	5120		25.4	1	1312	1.12	2	1.3		
LA 12587	5122		25.6	2	1722	0.84	5	2.4		
LA 86534	1275		25.8	4	1203	0.69		0.0		
LA 86534	1325		25.6	2	779	1.07		0.0		
LA 86534	2219		16.8	3	1312	0.97		0.0		
LA 135290	2348		24.0	1	1353	0.66	5	3.3		
LA 135290	2579		28.2	1	1927	0.39	3	1.2		
LA 135290	2586		25.8	2	1804	0.46	1	0.5		
LA 135290	11		25.6	1	3280	0.25		0.0		
LA 135290	12		26.4	1	820	0.99		0.0		
LA 135290	109		19.7	4	1558	0.70		0.0		
LA 85417	123		18.6	1	2132	0.54		0.0		
LA 85411	173		23.7	1	1476	1.06		0.0		
LA 85411	174		18.3	1	1845	1.10		0.0		
LA 85411	180		19.7	1	2501	0.75		0.0		
LA 85861	195		8.3	3	3239	1.38		0.0		

APPENDIX X
POLLEN SAMPLE PROVENIENCE

Table X.1. Pollen samples provenience.

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
Airport	Middle Coalition	Roomblock	86534	727	R wf	f	2	1	6.45		2	2	room fill & rubble wallfall
Airport	Middle Coalition	Roomblock	86534	769	R wf	f	2	2	7.46		2	2	room fill & rubble wallfall, outside room 2
Airport	Middle Coalition	Roomblock	86534	913	R wf	b	2	4	5.58		2	2	room fill & wallfall rubble
Airport	Middle Coalition	Roomblock	86534	921	R post fill	b	2	4	5.58		1	1	
Airport	Middle Coalition	Roomblock	86534	1000	R post fill	f	2	1	6.45		1	1	post-occupation fill
Airport	Middle Coalition	Roomblock	86534	1063	R post fill	b	2	3	6.4		1	1	post-occupation fill
Airport	Middle Coalition	Roomblock	86534	1275	R Hrth	f	2	1	6.45	4	9	2	remodeled hrth fill. hrth plaster-lined collared. Strat 9 AD 1170-1230; Strat 11 AD 1065-1265
Airport	Middle Coalition	Roomblock	86534	1297	R rf	f	2	5	8.05		6	2	rooffall low artifact density
Airport	Middle Coalition	Roomblock	86534	1303	R Flr ua	f	2	5	8.05		8	3	sample taken near doorway to back room under sherd
Airport	Middle Coalition	Roomblock	86534	1325	R Hrth	f	2	2	7.46	2	10	6	west wall, hrth
Airport	Middle Coalition	Roomblock	86534	1326	R Hrth	f	2	2	7.46	2	10	6	bottom
Airport	Middle Coalition	Roomblock	86534	1334	R Hrth	f	2	1	6.45	4	11	4	original hrth fill (hrth remodeled). Strat 11 AD 1065-1265
Airport	Middle Coalition	Roomblock	86534	1359	R Flr	f	2	2	7.46		8	3	sample taken from up against back wall
Airport	Middle Coalition	Roomblock	86534	1475	R Flr	b	2	4	5.58		8	3	

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
Airport	Middle Coalition	Roomblock	86534	1510	R rf	b	2	4	5.58		6, 7	3	Strat 6 rooffall, Strat 7 loose fill below rooffall and above floor
Airport	Middle Coalition	Roomblock	86534	1522	R Flr	b	2	4	5.58		8	3	
Airport	Middle Coalition	Roomblock	86534	1597	R Flr ua	f	2	5	8.05		8	3	under sherd near center room
Airport	Middle Coalition	Roomblock	86534	1607	R Flr ua	f	2	5	8.05		8	3	under sherd. Room 5 largest room and had access into kiva
Airport	Middle Coalition	Roomblock	86534	1636	R Flr ua	f	2	2	7.46		8	5	under mano 1
Airport	Middle Coalition	Roomblock	86534	1637	R Flr ua	f	2	2	7.46		8	5	under mano 2
Airport	Middle Coalition	Roomblock	86534	1645	R Hrth	f	2	7	6.82	9	19	3	hrth fill in room 7
Airport	Middle Coalition	Roomblock	86534	1649	R Flr	f	2	2	7.46		8	4	
Airport	Middle Coalition	Roomblock	86534	1749	Kiva post fill	kiva	2	9	17.63		1	1	post-occupation fill
Airport	Middle Coalition	Roomblock	86534	1750	Kiva wf	kiva	2	9	17.63		2	2	room fill & wallfall rubble
Airport	Middle Coalition	Roomblock	86534	1751	Kiva rf	kiva	2	9	17.63		15	3	
Airport	Middle Coalition	Roomblock	86534	1762	Kiva rf	kiva	2	9	17.63		15	7	
Airport	Middle Coalition	Roomblock	86534	1772	Kiva post fill	kiva	2	9	17.63		1	1	post-occupation fill
Airport	Middle Coalition	Roomblock	86534	1778	R Flr	b	2	3	6.4		8	2	sample taken from up against back wall
Airport	Middle Coalition	Roomblock	86534	1786	Kiva wf	kiva	2	9	17.63		2	1	room fill & wallfall rubble

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
Airport	Middle Coalition	Roomblock	86534	1788	R Flr	b	2	6	5.31		8	2	site report FS 1788 from Strat 8 (sample log = 1788 is Strat 6,7?)
Airport	Middle Coalition	Roomblock	86534	1905	R Flr	b	2	3	6.4		8		NE corner, intact plaster area
Airport	Middle Coalition	Roomblock	86534	1908	R Pit/Hrth?	b	2	6	5.31	12	14	4	under sherd
Airport	Middle Coalition	Roomblock	86534	1915	R Pit/Hrth?	b	2	6	5.31	12	14	4	under rock. Fea 14 in back room, shallow, plaster lined pit with ash. hrth-like?
Airport	Middle Coalition	Roomblock	86534	1922	R Flr	b	2	8	4.68		8	2	heavily impacted by hwy construction
Airport	Middle Coalition	Roomblock	86534	1960	R milling bin	b	2	6	5.31	13	16	4	milling bin
Airport	Middle Coalition	Roomblock	86534	1967	Kiva Flr	kiva	2	9	17.63		17	8	well preserved plaster floor
Airport	Middle Coalition	Roomblock	86534	1974	Kiva post fill & wf in entry way	kiva	2	9	17.63	15	1, 2	2	entry way between rooms 5 and 9
Airport	Middle Coalition	Roomblock	86534	1991	Kiva Flr	kiva	2	9	17.63		17	4	near center
Airport	Middle Coalition	Roomblock	86534	1993	Kiva Flr	kiva	2	9	17.63		17	3	
Airport	Middle Coalition	Roomblock	86534	2164	R Flr	f	2	7	6.82		8	3	room 7 clipped by highway construction
Airport	Middle Coalition	Roomblock	86534	2175	Kiva Flr	kiva	2	9	17.63		17	3	near center
Airport	Middle Coalition	Roomblock	86534	2204	Kiva Hrth	kiva	2	9	17.63	?	20	4	
Airport	Middle Coalition	Roomblock	86534	2205	Kiva Hrth	kiva	2	9	17.63	16	20	4	south 1/2 hrth, collared, plaster-lined

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
Airport	Middle Coalition	Roomblock	86534	2219	Kiva Hrth	kiva	2	9	17.63	16	20	4	south 1/2, hrth
Airport	Middle Coalition	Roomblock	86534	2225	Kiva sipapu fill	kiva	2	9	17.63	18	22	4	subfloor in kiva 9, very sandy. Sipapu fill
Airport	Middle Coalition	Roomblock	86534	2229	Kiva Hrth ash pit	kiva	2	9	17.63	17	21	4	ash pit Fea. 17 kiva 9
Airport	Middle Coalition	Roomblock	86534	2232	Kiva ash pit	kiva	2	9	17.63	17	21	4	ash pit Fea. 17 kiva 10
Airport	Middle Coalition	Roomblock	135290	983	R post fill	b	1	5	4.83		2	2	post-occupation fill
Airport	Middle Coalition	Roomblock	135290	988	R wf S 3	b	1	5	4.83		3	3	room fill with adobe melt
Airport	Middle Coalition	Roomblock	135290	1068	R post fill	f	1	2	14.66		2	2	post-occupation fill
Airport	Middle Coalition	Roomblock	135290	1084	R post fill	b	1	6	3.06		2	2	post occupation fill
Airport	Middle Coalition	Roomblock	135290	1097	R wf S 3	b	1	6	3.06		3a	3	room fill with adobe melt
Airport	Middle Coalition	Roomblock	135290	1099	R wf S 4	f	1	2	14.66		4a	3	wall adobe melt and possible rooffall
Airport	Middle Coalition	Roomblock	135290	1132	R wf S 3	b	1	6	3.06		3b	5	room fill with adobe melt
Airport	Middle Coalition	Roomblock	135290	1164	R wf S 4	f	1	2	14.66		4b	6	wall adobe melt and possible rooffall
Airport	Middle Coalition	Roomblock	135290	1181	R wf S 4	b	1	4	3.89		4	5	fill with wallfall
Airport	Middle Coalition	Roomblock	135290	1196	R Flr	b	1	4	3.89		7	7	floor 1, room 4, most recent. Sample from eastern portion (best preserved floor)
Airport	Middle Coalition	Roomblock	135290	1272	R post fill (surf. soil)	f	1	1	13.3		1	1	surface soil, post-occupation fill
Airport	Middle	Roomblock	135290	1276	R wf S 3	b	1	7	5.89		3	5	room fill with adobe melt

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
	Coalition												
Airport	Middle Coalition	Roomblock	135290	1301	R post fill	f	1	1	13.3		2	2	post-occupation fill, deeper
Airport	Middle Coalition	Roomblock	135290	1330	R wf S 4	f	1	1	13.3		4a	4	fill with wallfall
Airport	Middle Coalition	Roomblock	135290	1416	R post fill	f	1	3	12.6		2	2	post-occupation fill
Airport	Middle Coalition	Roomblock	135290	1432	R Flr	b	1	6	3.06		8	7	ashy charcoal concentration on floor 3, room 6, oldest floor. 3-4 cm thick adobe
Airport	Middle Coalition	Roomblock	135290	1446	R wf S 4	f	1	1	13.3		4b	7	fill with wallfall, deeper
Airport	Middle Coalition	Roomblock	135290	1457	R wf S 4	f	1	3	12.6		4a	3	room fill with wallfall
Airport	Middle Coalition	Roomblock	135290	1479	R wf S 3	b	1	4	3.89		3	5	fill with adobe melt. Sample from ash concentration on floor 1
Airport	Middle Coalition	Roomblock	135290	1518	R Flr	b	1	4	3.89		7	7	floor 1, room 4, most recent. Sample from eastern portion (best preserved floor)
Airport	Middle Coalition	Roomblock	135290	1635	R wf S 3	f	1	3	12.6		3b	5	room fill with adobe melt (burned); above strat 4a, increased artifacts in strat 3b
Airport	Middle Coalition	Roomblock	135290	1645	R Flr	b	1	6	3.06		17	7	floor 2, room 6
Airport	Middle Coalition	Roomblock	135290	1649	R Flr	f	1	3	12.6		11	6	room 3 floor 1 surface; floor not plastered- compacted. Sample from northeastern portion of the room from best preserved floor sediments
Airport	Middle Coalition	Roomblock	135290	1661	R Flr	b	1	6	3.06		17	7	floor 2, room 6

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
Airport	Middle Coalition	Roomblock	135290	1706	R Flr	f	1	1	13.3		9	7	room 1 floor 1 surface; only about 10% of floor plaster intact - heavy rodent activity. Sample taken from 98N/111E
Airport	Middle Coalition	Roomblock	135290	1719	R wf S 3	f	1	3	12.6		3b	5	room fill with adobe melt
Airport	Middle Coalition	Roomblock	135290	1772	R Flr	f	1	2	14.66		5	5	room 2 floor 1 surface
Airport	Middle Coalition	Roomblock	135290	1820	R posthole	b	1	6	3.06	2	14	7	fill from 2 of 3 clustered postholes
Airport	Middle Coalition	Roomblock	135290	1821	R posthole	b	1	6	3.06	2	14	8	fill from 2 of 3 clustered postholes
Airport	Middle Coalition	Roomblock	135290	1852	R Flr	b	1	6	3.06		15	8	floor 1, room 6, most recent floor
Airport	Middle Coalition	Roomblock	135290	1899	R Flr	b	1	6	3.06		8	9	floor 3, room 6, oldest floor. 3-4 cm thick adobe
Airport	Middle Coalition	Roomblock	135290	1920	R posthole	b	1	6	3.06	5	20	10	fill in posthole 1
Airport	Middle Coalition	Roomblock	135290	1923	R posthole	b	1	6	3.06	5	20	10	fill in posthole 4
Airport	Middle Coalition	Roomblock	135290	1991	R Flr	b	1	5	4.83		21	6	floor 1, room 5
Airport	Middle Coalition	Roomblock	135290	2028	R Pit	b	1	5	4.83	7	22	9	adobe lined pit on floor 2 & continued use on floor 1
Airport	Middle Coalition	Roomblock	135290	2043	R Flr	b	1	5	4.83		21	8	floor 1, room 5
Airport	Middle Coalition	Roomblock	135290	2051	R wf S 3	plaza room	1	8	11.45		3	99	room fill with adobe melt
Airport	Middle Coalition	Roomblock	135290	2068	R Pit	f	1	2	14.66	4	24	8,9	fill in adobe-lined pit (Feas 1, 3, 4, 6 are interconnected complex - collared hrth & 3 pits)
Airport	Middle Coalition	Roomblock	135290	2084	R Pit	f	1	2	14.66	3	25	7,8	fill in adobe-lined pit

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
Airport	Middle Coalition	Roomblock	135290	2100	R Hrth	f	1	2	14.66	1	26	7	collared hrth; strat 26 equivalent to fill in hrth. No ash or charcoal in this feature
Airport	Middle Coalition	Roomblock	135290	2104	R posthole	b	1	5	4.83	8	27	9	fill in posthole 1
Airport	Middle Coalition	Roomblock	135290	2105	R posthole	b	1	5	4.83	8	27	9	fill in posthole 2
Airport	Middle Coalition	Roomblock	135290	2134	R Flr	plaza room	1	9B	3.96		4	5	room fill with wallfall
Airport	Middle Coalition	Roomblock	135290	2137	R Hrth	f	1	2	14.66	1	26	7	collared hrth; strat 26 equivalent to fill in hrth. No ash or charcoal in this feature
Airport	Middle Coalition	Roomblock	135290	2149	Midden (?)		4				13	4	possible midden area, southeast of roomblock
Airport	Middle Coalition	Roomblock	135290	2161	R Flr	b	1	4	3.89		29	9	floor 2 is the best preserved floor in Room 2 with 3-4 cm of adobe
Airport	Middle Coalition	Roomblock	135290	2179	R Flr	b	1	4	3.89		29	8	floor 2 is the best preserved floor in Room 2 with 3-4 cm of adobe
Airport	Middle Coalition	Roomblock	135290	2185	R Flr ua	f	1	2	14.66		5	7	floor 1 under vessel, floor preserved as patchy plaster; rodent burrows
Airport	Middle Coalition	Roomblock	135290	2186	R Flr ua	f	1	2	14.66		5	7	floor 1 under maul, floor preserved as patchy plaster; rodent burrows
Airport	Middle Coalition	Roomblock	135290	2231	R wf S 4	plaza room	1	8	11.45		4	3	room fill with wallfall
Airport	Middle Coalition	Roomblock	135290	2234	Special PW Mano	f	1	2	14.66		5	7	pollen wash, mano on floor 1
Airport	Middle	Roomblock	135290	2248	R posthole	b	1	4	3.89	10	30	10	fill in posthole 1

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
	Coalition												
Airport	Middle Coalition	Roomblock	135290	2249	R posthole	b	1	4	3.89	10	30	9	fill in posthole 2
Airport	Middle Coalition	Roomblock	135290	2251	R Hrth	f	1	2	14.66	11	32	8	hrth Features 11 & 16 adjacent, partially superimposed; pit fill is distinct from other pit feas. Sides are burned, fill ashy with adobe & charcoal mixed in. macro maize in pit
Airport	Middle Coalition	Roomblock	135290	2252	R Hrth	f	1	2	14.66	11	32	8	hrth Features 11 & 16 adjacent, partially superimposed
Airport	Middle Coalition	Roomblock	135290	2275	GEO		1	BH2			13		A
Airport	Middle Coalition	Roomblock	135290	2276	GEO		1	BH2			13		Bw
Airport	Middle Coalition	Roomblock	135290	2277	GEO		1	BH2			13		Bw1b1
Airport	Middle Coalition	Roomblock	135290	2278	GEO		1	BH2			13		
Airport	Middle Coalition	Roomblock	135290	2279	GEO		1	BH2			13		BtKb2
Airport	Middle Coalition	Roomblock	135290	2280	GEO		1	BH2			13		Qbt
Airport	Middle Coalition	Roomblock	135290	2298	R wf S 4	plaza room	1	9A	7.28		4	2	room fill with wallfall
Airport	Middle Coalition	Roomblock	135290	2316	R wf S 4	b	1	7	5.89		4	3	room fill with wallfall
Airport	Middle Coalition	Roomblock	135290	2325	R wf S 3	plaza room	1	9A	7.28		3	3	room fill with adobe melt
Airport	Middle Coalition	Roomblock	135290	2348	R Hrth	f	1	2	14.66	11	32	8	hrth Features 11 & 16 adjacent, partially superimposed

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
Airport	Middle Coalition	Roomblock	135290	2398	R Flr ua	b	1	7	5.89		33	5	floor, not prepared. Disturbed (roots & rodents), compacted sediment - equal to floors 1 & 2, room 6. floor artifacts include metate & 2 manos
Airport	Middle Coalition	Roomblock	135290	2402	R Flr ua	b	1	7	5.89		33	6	floor, not prepared. Disturbed (roots & rodents), compacted sediment - equal to floors 1 & 2, room 6. floor artifacts include metate & 2 manos
Airport	Middle Coalition	Roomblock	135290	2419	R Flr	plaza room	1	9A	7.28		38	6	room 9A (north half room 9) living surface (charcoal concentration)
Airport	Middle Coalition	Roomblock	135290	2425	R Flr	plaza room	1	9A	7.28		38	6	room 9A living surface (ashy deposit northwestern corner)
Airport	Middle Coalition	Roomblock	135290	2449	R Flr	b	1	4	3.89		36	12	floor 3, room 4, oldest, first floor, most disturbed. Sample from eastern portion floor (best preserved)
Airport	Middle Coalition	Roomblock	135290	2460	R Flr	b	1	4	3.89		36	10	floor 3, room 4, oldest, first floor, most disturbed. Sample from eastern portion floor (best preserved)
Airport	Middle Coalition	Roomblock	135290	2482	Rock Cluster		3				13	1	beneath rock cluster, area east & north of Room 9
Airport	Middle Coalition	Roomblock	135290	2486	R Hrth	plaza room	1	8	11.45	9	37	4	hrth, adobe-lined pit
Airport	Middle Coalition	Roomblock	135290	2487	R Hrth	plaza room	1	8	11.45	9	37	4	hrth, adobe-lined pit
Airport	Middle Coalition	Roomblock	135290	2494	R Flr	plaza room	1	9B	3.96		39	6	room 9B living surface (ashy area northwestern portion room)

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
Airport	Middle Coalition	Roomblock	135290	2498	R Flr	plaza room	1	8	11.45	14	23	3	floor 1, room 8
Airport	Middle Coalition	Roomblock	135290	2523	R Flr	b	1	5	4.83		42	8	floor 2, room 5, oldest floor (this floor contiguous with floor 3 room 4)
Airport	Middle Coalition	Roomblock	135290	2550	R Subfloor	f	1	2	14.66		43	9	subfloor strata, artificial fill brought in to level floor before plaster/adobe
Airport	Middle Coalition	Roomblock	135290	2558	Plaza Rock Alignment		2			15	13	3	under blocks in northern section Fea. 15 alignment
Airport	Middle Coalition	Roomblock	135290	2559	Plaza Rock Alignment		2			15	13	3	under blocks in northern section Fea. 15 alignment
Airport	Middle Coalition	Roomblock	135290	2562	R Flr	b	1	5	4.83		42	12	floor 2, room 5, oldest floor
Airport	Middle Coalition	Roomblock	135290	2579	R Hrth	f	1	2	14.66	16	45	10	hrth Features 11 & 16 adjacent, partially superimposed
Airport	Middle Coalition	Roomblock	135290	2586	R Hrth	plaza room	1	8	11.45	9	48	6	lower hrth base
Airport	Classic	Grid Garden and Lithic-Ceramic Scatter	139418	379	Garden		1	1			1		grid garden, post-occupation fill
Airport	Classic	Grid Garden and Lithic-Ceramic Scatter	139418	380	Garden		1	1			2		grid garden, cultural fill
Airport	Classic	Grid Garden and Lithic-Ceramic Scatter	139418	381	Garden		1	1			3		grid garden, pre-occupation fill

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
Airport	Classic	Grid Garden and Lithic-Ceramic Scatter	139418	382	Garden		1	2			1		grid garden, post-occupation fill
Airport	Classic	Grid Garden and Lithic-Ceramic Scatter	139418	383	Garden		1	2			2		grid garden, cultural fill
Airport	Classic	Grid Garden and Lithic-Ceramic Scatter	139418	384	Garden		1	2			3		grid garden, pre-occupation fill
Airport	Classic	Grid Garden and Lithic-Ceramic Scatter	139418	390	Garden		1	2			1		grid garden, post-occupation fill
Airport	Classic	Grid Garden and Lithic-Ceramic Scatter	139418	391	Garden		1	2			2		grid garden, cultural fill
Airport	Classic	Grid Garden and Lithic-Ceramic Scatter	139418	392	Garden		1	2			3		grid garden, pre-occupation fill
Airport	Classic	Grid Garden and Lithic-Ceramic Scatter	139418	393	Garden		1	2			5		grid garden
Airport	Classic	Grid Garden and Lithic-Ceramic Scatter	139418	394	Garden		1	3			1		grid garden, post-occupation fill

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
Airport	Classic	Grid Garden and Lithic-Ceramic Scatter	139418	395	Garden		1	3			2		grid garden, cultural fill
Airport	Classic	Grid Garden and Lithic-Ceramic Scatter	139418	396	Garden		1	3			3		grid garden, pre-occupation fill
Airport	Classic	Grid Garden and Lithic-Ceramic Scatter	139418	405	GEO		1				1		grid garden, post-occupation fill
Airport	Classic	Grid Garden and Lithic-Ceramic Scatter	139418	406	GEO		1				3		grid garden, pre-occupation fill
Airport	Classic	Grid Garden and Lithic-Ceramic Scatter	139418	407	GEO		1				5		grid garden
Airport	Classic	Grid Garden and Lithic-Ceramic Scatter	139418	408	GEO		1				7		grid garden
Airport	Classic	Grid Garden and Lithic-Ceramic Scatter	139418	410	GEO		2				3		grid garden, pre-occupation fill
Airport	Classic	Fieldhouse	141505	21	FH post fill		1		3.75		2	2	
Airport	Classic	Fieldhouse	141505	38	FH Flr		1	2	3.16		6	4	room 2 floor

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
Airport	Classic	Fieldhouse	141505	75	FH posthole		1	2	3.16		7	5	room 2 posthole
Airport	Classic	Fieldhouse	141505	79	FH Flr		1	1	3.75		4	5	room 1 floor beneath adobe chunk
Airport	Classic	Fieldhouse	141505	83	FH rock alignment		1			2	2	3	rock alignment (1.9 m long) 50 m east of room 2 entry
Airport	Classic	Fieldhouse	141505	84	FH rock pile		1			3	2		rock pile (1 m diameter, 0.2 m high) outside room 2. pollen sample from beneath rock, center of pile
Otowi N		Grid Garden	21592	30.1	Garden			30		grid			upslope edge and inside grid border, between rocks
Otowi N		Grid Garden	21592	30.2	Garden			30		grid			beneath grid cobble
Otowi N		Grid Garden	21592	30.3	Garden			30		grid			center
Otowi N		Grid Garden	21592	30.4	Garden			30		grid			center
Otowi N		Grid Garden	21592	30.5	Garden			30		grid			inside downslope border between rocks
Otowi N		Grid Garden	21592	30.6	Garden			30		grid			inside downslope border beneath rock
Otowi N		Grid Garden	21592	31	Garden			31		grid			center, silty soil with pea gravel
Otowi N		Grid Garden	21592	32	Garden			32		grid			center, soil more compacted due to caliche; pea gravel in grid center
Otowi N		Grid Garden	21592	33	Garden			33		grid			SE grid corner
Otowi N		Grid Garden	21592	34	Garden			34					surface control outside the grids
Otowi N		Grid Garden	21592	35	Garden			35					subsurface control, N-facing slope Bayo Canyon across streambed from grids
Rendija	Middle Classic	Fieldhouse	15116	18	FH Flr		1	1	4.75		3	3	living surface NW corner room under rock

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
Rendija	Middle Classic	Fieldhouse	15116	32	FH post fill		1		4.75		2	2	post occupation fill
Rendija	Middle Classic	Fieldhouse	15116	36	FH Flr		1	1	4.75		3	3	living surface SW corner room under rock
Rendija	Middle Classic	Fieldhouse	15116	39	FH Flr		1	1	4.75		3	3	living surface E central
Rendija	Early-Middle Classic	Fieldhouse	70025	22	FH post fill		1		4.5		2	2	
Rendija	Early-Middle Classic	Fieldhouse	70025	23	FH Flr inside pot		1		4.5				juncture post occupation fill and floor, utility ware bowl sitting on tuff block. Pollen sample from inside pot base
Rendija	Classic	Fieldhouse	85403	28	FH post fill		1	1	3.75		2	3	
Rendija	Classic	Fieldhouse	85403	35	FH Flr		1	1	3.75		2	5	approximate level of living surface, NW room corner
Rendija	Classic	Fieldhouse	85403	50	FH Flr		1	1	3.75		2	5	approximate level of living surface, NE room corner
Rendija	Classic	Fieldhouse	85403	51	FH posthole		1	1	3.75	2	3	6	posthole near pit
Rendija	Classic	Fieldhouse	85403	54	FH pit		1	1	3.75	1	2	7	pit (did not appear to be a hearth - no ash or charcoal)
Rendija	Early Middle Classic	Fieldhouse	85404	70	FH Flr		1	1	3.83		2	4	from around floor level in the NW room corner
Rendija	Early Middle Classic	Fieldhouse	85404	73	FH post fill		1	1	3.83		2	3	post occupation fill

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
Rendija	Early Middle Classic	Fieldhouse	85404	90	FH Flr		1	1	3.83		3	6	floor scrape
Rendija	Early Middle Classic	Fieldhouse	85404	95	FH Flr		1	1	3.83		2	4	on top burned surface north central part of room
Rendija	Early Middle Classic	Fieldhouse	85404	96	FH Flr		1	1	3.83		2	4	beneath dacite cobble on burned floor surface
Rendija	Historic	Homestead	85407	299	cabin		1	1			2		post-occupation fill in SW corner cabin room 1
Rendija	Historic	Homestead	85407	302	cabin		1	2			2		post-occupation fill S half of cabin room 2
Rendija	Historic	Homestead	85407	329	corral		6			3	2		test pit NW corner corral (Fea. 3)
Rendija	Historic	Homestead	85407	330	corral		6			3	2		test pit NW corner corral (Fea. 3)
Rendija	Historic	Homestead	85407	358	horno		3			1	2		near base of west-central portion of horno
Rendija	Historic	Homestead	85407	390	reservoir		7			4	2		10 cm below surface in second auger hole center of reservoir
Rendija	Historic	Homestead	85407	391	reservoir		7			4	2		20 cm below surface in second auger hole center of reservoir
Rendija	Historic	Homestead	85407	490	cabin		1				2		beneath upside down metate east of cabin in area of porch
Rendija	Middle Classic	Fieldhouse	85408	11	FH Flr		1	1	4.05		2		SE corner room 1 living surface
Rendija	Middle Classic	Fieldhouse	85408	66	FH Flr		1	1	4.05		2		NW corner room 1 living surface

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
Rendija	Middle Classic	Fieldhouse	85408	77	FH Flr		1	1	4.05		2		SW corner room 1 living surface
Rendija	Early-Middle Classic	Fieldhouse	85411	31	FH Flr		1	1	7.02		2		patch of floor E wall room 1
Rendija	Early-Middle Classic	Fieldhouse	85411	127	FH Flr		1	2	2.45		4		SE corner room 2 living surface
Rendija	Early-Middle Classic	Fieldhouse	85411	173	FH Hrth		1	2	2.45	2	5		room 2, base S half Fea. 2 plaster-lined hrth
Rendija	Early-Middle Classic	Fieldhouse	85411	174	FH Hrth		1	1	7.02	1	3		room 1, base S half Fea. 1 plaster-lined hrth
Rendija	Early-Middle Classic	Fieldhouse	85411	175	FH Flr		1	1	7.02		6		NE corner room 1 living surface - floor scrape
Rendija	Early-Middle Classic	Fieldhouse	85411	177	FH Flr		1	2	2.45		2		NE corner room 2 living surface
Rendija	Early-Middle Classic	Fieldhouse	85411	180	FH Hrth		1	1	7.02	1	3		
Rendija	Early Classic	Fieldhouse	85413	9	FH post fill		1	1	4.21		1		beneath rock near living surface (but Strat 1 is surface?)
Rendija	Early Classic	Fieldhouse	85413	61	FH post fill		1		4.21		2		beneath poss. pot drop (sherd conc.)
Rendija	Early Classic	Fieldhouse	85413	222	FH Flr		1	1	4.21		5		W corner room 1 living surface (scraped from burned floor)

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
Rendija	Early Classic	Fieldhouse	85413	223	FH Flr		1	1	4.21		5		E corner room 1 living surface
Rendija	Middle Classic	Fieldhouse	85414	43	FH Flr		1	1	2.87		4		SE corner room 1 at level of presumed living surface
Rendija	Middle Classic	Fieldhouse	85414	44	FH Flr		1	1	2.87		4		SW corner room 1 at level of presumed living surface
Rendija	Coalition	Fieldhouse	85417	123	FH Hrth		1		3.22	1	6		base ash pit (Fea. 1). Unprepared (not plastered) hearth
Rendija	Coalition	Fieldhouse	85417	148	FH Flr		1	1	3.22		5		NW corner room 1
Rendija	Coalition	Fieldhouse	85417	149	FH Flr		1	1	3.22		5		west-central area room 1
Rendija	Early Archaic	Lithic Scatter	85859	107	GEO		1				3a	3	Profile series 107-142; 180
Rendija	Early Archaic	Lithic Scatter	85859	122	GEO		1				3b	4	
Rendija	Early Archaic	Lithic Scatter	85859	135	GEO		1				3c	5	
Rendija	Early Archaic	Lithic Scatter	85859	142	GEO		1				3c	6	
Rendija	Early Archaic	Lithic Scatter	85859	180	Scatter		1				3c, 4	6	
Rendija	Early Archaic	Lithic Scatter	85859	329	Scatter		1				slu mp		
Rendija	Early Archaic	Lithic Scatter	85859	333	Scatter		1				1		profile series 333-337?
Rendija	Early Archaic	Lithic Scatter	85859	334	Scatter		1				2		
Rendija	Early Archaic	Lithic Scatter	85859	335	Scatter		1				3bc		

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
Rendija	Early Archaic	Lithic Scatter	85859	336	Scatter		1				4		control? Outside artifact strata
Rendija	Early Archaic	Lithic Scatter	85859	337	Scatter		1				sand		
Rendija	Early Archaic	Lithic Scatter	85859	338	GEO		1				3a		profile series 338-342
Rendija	Early Archaic	Lithic Scatter	85859	339	GEO		1				3b		
Rendija	Early Archaic	Lithic Scatter	85859	340	GEO		1				3c		
Rendija	Early Archaic	Lithic Scatter	85859	341	GEO		1				4		control? Outside artifact strata
Rendija	Early Archaic	Lithic Scatter	85859	342	GEO		1				5		control? Outside artifact strata
Rendija	Early Archaic	Lithic Scatter	85859	356	GEO		1				3a	3	profile series 356-358
Rendija	Early Archaic	Lithic Scatter	85859	357	GEO		1				3b	4	
Rendija	Early Archaic	Lithic Scatter	85859	358	GEO		1				3c	5	
Rendija	Late Coalition	Fieldhouse	85861	173	FH Flr		1	1	5.19		2		room 1 probable living surface
Rendija	Late Coalition	Fieldhouse	85861	184	FH post fill		1	1	5.19		2		NE corner room 1 around level of living surface
Rendija	Late Coalition	Fieldhouse	85861	195	FH Hrth		1	1	5.19	1	4		base hrth Fea. 1
Rendija	Apache	Rock Ring	85864	3	Apache		1			2	2	3	tipi ring; LA 85864 next to LA 85869 another Apache tipi site
Rendija	Apache	Rock Ring	85864	8	Apache		1			2	3	4	tipi ring; LA 85864 next to LA 85869 another Apache tipi site

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
Rendija	Early Classic	Fieldhouse	85867	66	FH Flr		1	1	2.84		2?		below masonry block on or near living surface
Rendija	Early Classic	Fieldhouse	85867	75	FH Flr		1	1	2.84		4		SW corner room 1 on living surface floor scrape
Rendija	Early Classic	Fieldhouse	85867	76	FH Flr		1	1	2.84		4		SE corner room 1 on living surface floor scrape
Rendija	Early Classic	Fieldhouse	85867	77	FH Flr		1	1	2.84		4		NE corner room 1 on living surface floor scrape
Rendija	Apache	Rock Ring	85869	249	post fill		3			3	2	2	
Rendija	Apache	Rock Ring	85869	252	modern dump ?		5			5	3	2	modern dump or push pile
Rendija	Apache	Rock Ring	85869	254	modern dump ?		5			5	3	2	modern dump or push pile
Rendija	Apache	Rock Ring	85869	263	tipi ring		4			4	6	3	
Rendija	Apache	Rock Ring	85869	271	tipi hearth		4			8	7	3	
Rendija	Apache	Rock Ring	85869	282	tipi ring		2			2	1	1	rock alignments, possible grid garden, but excavation did not confirm cultural origin
Rendija	Apache	Rock Ring	85869	287	tipi ring		2			2	2	2	
Rendija	Apache	Rock Ring	85869	294	unknown rock circle		5			6	1	1	12 small cobbles arranged in a rough circle
Rendija	Apache	Rock Ring	85869	307	natural ?		1			7	3	1	rock alignments, possible grid garden, but excavation did not confirm cultural origin
Rendija	Apache	Rock Ring	85869	308	natural ?		1			7	4	2	rock alignments, possible grid garden, but excavation did not confirm cultural origin
Rendija	Apache	Rock Ring	85869	314	natural ?		1			7	3	2	rock alignments, possible grid garden, but excavation did not confirm cultural origin

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
Rendija	Apache	Rock Ring	85869	320	posthole outside Fea. 2		2			10	9	3	
Rendija	Apache	Rock Ring	85869	329	unknown		4				3	2	
Rendija	Late Classic	Fieldhouse	86605	39	FH post fill		1		3.5		2	2	
Rendija	Late Classic	Fieldhouse	86605	44	FH Flr		1	1	3.5		3		under wallfall on upper floor
Rendija	Late Classic	Fieldhouse	86605	46	FH Flr		1	1	3.5		3		upper floor adjacent to S-N wall
Rendija	Late Classic	Fieldhouse	86605	93	FH post fill		1		3.5		2		
Rendija	Late Classic	Fieldhouse	86605	95	FH post fill		1		3.5		2		under rock
Rendija	Late Classic	Fieldhouse	86605	106	FH Flr		1	1	3.5		3		lower floor
Rendija	Coalition/ Classic	Fieldhouse	86606	14	FH Flr		1	1	3.79		2		SE corner room 1 approx. on living surface
Rendija	Coalition/ Classic	Fieldhouse	86606	16	FH post fill		1	1	3.79		2		SW corner room 1 just above living surface
Rendija	Coalition/ Classic	Fieldhouse	86606	41	FH Flr		1	1	3.79		2		NE corner room on living surface
Rendija	Coalition/ Classic	Fieldhouse	86606	60	FH Flr		1	1	3.79		2		NW corner room 1 approx. floor level
Rendija	Coalition	Fieldhouse	86607	3	FH post fill		1	1	3.78		2		SE corner room 1 near living surface
Rendija	Coalition	Fieldhouse	86607	10	FH Flr		1	1	3.78		2		NW corner room 1 on living surface
Rendija	Coalition	Fieldhouse	86607	15	FH Flr		1	1	3.78		3		SW corner room 1 on living surface

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
Rendija	Middle Classic	Fieldhouse	87430	25	FH post fill		1	1	3.89		2	3	post occupation fill
Rendija	Middle Classic	Fieldhouse	87430	33	FH Flr		1	1	3.89		2	4	SW corner room on living surface
Rendija	Middle Classic	Fieldhouse	87430	77	FH Flr		1	1	3.89		2	4	NW corner room on living surface
Rendija	Middle Classic	Fieldhouse	87430	169	FH extramural Hrth		1		3.89	1	5	5	extramural hearth east of fieldhouse
Rendija	Middle Classic	Fieldhouse	87430	178	FH extramural Hrth		1		3.89	1	5	5	extramural hearth east of fieldhouse
Rendija	Archaic and Coalition	Str.	99396	411	FH post fill		1		4.83		2	2	
Rendija	Archaic and Coalition	Str.	99396	439	FH surface		1		4.83	1	1	1	wall rock concentration of Fea 2
Rendija	Archaic and Coalition	Str.	99396	450	FH post fill		1		4.83	1	2	2	wall rock concentration of Fea 2
Rendija	Archaic and Coalition	Str.	99396	506	FH post fill		1		4.83	1	2	2	wall rock concentration of Fea 2
Rendija	Archaic and Coalition	Str.	99396	532	FH post fill		1		4.83	1	2	2	wall rock concentration of Fea 2
Rendija	Archaic and Coalition	Str.	99396	555	FH post fill		1		4.83		2	2	

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
Rendija	Archaic and Coalition	Str.	99396	562	FH post fill		1		4.83	2	11	3	Strat 11 fills portion of structure excavated into tuff bedrock
Rendija	Archaic and Coalition	Str.	99396	615	Hrth Extramural		1		4.83	5	13, 14	2	extramural hearth north of Fea. 2
Rendija	Archaic and Coalition	Str.	99396	676	FH post fill		1		4.83	2	11	3	Strat 11 fills portion of structure excavated into tuff bedrock
Rendija	Archaic and Coalition	Str.	99396	769	FH Hrth		1		4.83	7	16	4	fill of Fea 2 interior hearth
Rendija	Late Archaic ?	lithic ceram. scatter	99397	294	Scatter		1				3	4	Bt1b1 soil horizon
Rendija	Late Archaic ?	lithic ceram. scatter	99397	299	Scatter		1				1	1	A to Av soil horizon
Rendija	Late Archaic ?	lithic ceram. scatter	99397	300	Scatter		1				2	2	Bw horizon
Rendija	Late Archaic ?	lithic ceram. scatter	99397	309	Scatter		1				1	1	A to Av soil horizon
Rendija	Late Archaic ?	lithic ceram. scatter	99397	310	Scatter		1				2	2	Bw horizon
Rendija	Late Archaic ?	lithic ceram. scatter	99397	311	Scatter		1				3	3	Bt1b1 soil horizon
Rendija	Late Archaic ?	lithic ceram. scatter	99397	312	Scatter		1				4	4	Bt2b1 soil horizon
Rendija	Late Archaic ?	lithic ceram. scatter	99397	317	Scatter		1				5	1	AC soil horizon
Rendija	Late Archaic ?	lithic ceram. scatter	99397	318	Scatter		1				1	2	A to Av soil horizon
Rendija	Late Archaic ?	lithic ceram. scatter	99397	319	Scatter		1				7	3	Bw horizon

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
Rendija	Late Archaic ?	lithic ceram. scatter	99397	320	Scatter		1				6	4	Cerro Toledo gravel
Rendija	Late Archaic ?	lithic ceram. scatter	99397	332	Scatter		1				9	5	Bw horizon
Rendija	Late Archaic ?	lithic ceram. scatter	99397	333	Scatter		1				8	2	Bw horizon
Rendija	Middle Classic	Fieldhouse	127627	8	FH post fill		1	1	3.1		2		
Rendija	Middle Classic	Fieldhouse	127627	66	FH post fill		1	1	3.1		2		
Rendija	Middle Classic	Fieldhouse	127627	67	FH post fill		1	1	3.1		2		
Rendija	Middle Classic	Fieldhouse	127627	69	FH post fill		1	1	3.1		2		
Rendija	Middle Classic	Fieldhouse	127627	71	FH post fill		1	1	3.1		2		
Rendija	Middle Classic	Fieldhouse	127627	89	FH Flr		1	1	3.1		3		floor northeastern area
Rendija	Ancestral Pueblo	Fieldhouse	127633	3	storage bin post fill		1				2	2	post occupation fill within storage bin
Rendija	Ancestral Pueblo	Fieldhouse	127633	7	storage bin post fill		1				2	3	
Rendija	Ancestral Pueblo	Fieldhouse	127633	11	storage bin		1			1	2	4	
Rendija	Ancestral Pueblo	Fieldhouse	127633	12	storage bin		1			1	2	4	
Rendija	Ancestral Pueblo	Fieldhouse	127633	13	storage bin		1			1	2	4	under tuff rubble, SE

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
Rendija	Middle Classic	Fieldhouse	127634	40	FH post fill		1	1	4.5		2	3	
Rendija	Middle Classic	Fieldhouse	127634	46	FH Flr		1	1	4.5		3	3	
Rendija	Middle Classic	Fieldhouse	127634	52	FH Flr ua		1	1	4.5		3	3	under rock on floor
Rendija	Middle Classic	Fieldhouse	127634	72	FH Flr ua				4.5	2			under ground stone metate fragment at or near floor level
Rendija	Middle Classic	Fieldhouse	127634	104	FH Hrth		1	1	4.5	2	5	4	slab-lined hearth
Rendija	Middle Classic	Fieldhouse	127634	116	FH posthole		1	1	4.5	3	6	5	
Rendija	Early Classic	Fieldhouse	127635	42	FH post fill		1		5.23		2	3	
Rendija	Early Classic	Fieldhouse	127635	109	FH Hrth		1	1	5.23	2	4	5	base of plastered hearth
Rendija	Early Classic	Fieldhouse	127635	117	FH Flr		1	1	5.23		3	6	floor, next to W wall
Rendija	Early Classic	Fieldhouse	127635	134	FH undefined feature. Rock conc.		1	1	5.23	1	2	5	concentration of tuff rock, sample from beneath tuff rock
Rendija	Early Classic	Fieldhouse	127635	136	FH Flr		1	1	5.23		3	3	floor, next to W wall
Rendija	Early Classic	Fieldhouse	135291	11	FH post fill		1		4.8		2	2	post occupation fill
Rendija	Early Classic	Fieldhouse	135291	31	FH post fill		1	1	4.8		2	3	post occupation fill

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
Rendija	Early Classic	Fieldhouse	135291	57	FH cobble concentration		1	1	4.8	1			circular set of upright dacite cobbles
Rendija	Early Classic	Fieldhouse	135291	62	extramural ash concentration		1	1	4.8	2			ash concentration outside and east of the fieldhouse
Rendija	Early Classic	Fieldhouse	135292	78	FH post fill		1				2	3	northeast of the south and west walls
Rendija	Early Classic	Fieldhouse	135292	84	FH Flr		1				2	4	base of west wall
Rendija	Early Classic	Fieldhouse	135292	88	FH Flr		1				2	4	inside room at west wall
White Rock	Late Coalition	Roomblock	12587	631	R Control Surface	f	1	4/5	11.2		1	1	loose surface material
White Rock	Late Coalition	Roomblock	12587	642	R wf	f	1	4/5	11.2		10	2	column through wallfall
White Rock	Late Coalition	Roomblock	12587	657	R wf	f	1	4/5	11.2		10	3	column through wallfall
White Rock	Late Coalition	Roomblock	12587	694	R wf	f	1	4/5	11.2		10	4	column through wallfall
White Rock	Late Coalition	Roomblock	12587	707	R wf	f	1	4/5	11.2		10	5	column through wallfall
White Rock	Late Coalition	Roomblock	12587	880	R wf	b	1	6	7.9		10	4	wallfall with uncommon rooffall
White Rock	Late Coalition	Roomblock	12587	1038	R Fill abv flr	f	1	4/5	11.2		70	6	unconsolidated loose sandy fill directly above floor, few artifacts. Deposited before most of the room collapsed
White Rock	Late Coalition	Roomblock	12587	1063	R wf	f	1	4/5	11.2		10	6	column through wallfall

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
White Rock	Late Coalition	Roomblock	12587	1251	R wf	b	1	1	6.1		10	4	wallfall with uncommon rooffall
White Rock	Late Coalition	Roomblock	12587	1258	Special grind slick		1			13	200	4	bedrock grinding slick
White Rock	Late Coalition	Roomblock	12587	1484	R Special	b	1	1	6.1	2	210	3	pile of dacite cobbles (heavily coated with CO3) with ash & charcoal, capped by andesite "hatch cover". Possible warming bin.
White Rock	Late Coalition	Roomblock	12587	1486	R Special	b	1	1	6.1	2	210	3	pile of dacite cobbles (heavily coated with CO3) with ash & charcoal, capped by andesite "hatch cover". Possible warming bin.
White Rock	Late Coalition	Roomblock	12587	1492	FH wf	FH	1	3	3.2		20	2	Strat 20 same as 10; new number for analytical reasons. The wallfall of Room 3, the superimposed field house.
White Rock	Late Coalition	Roomblock	12587	1590	FH wf	FH	1	3	3.2		20	2	Strat 20 same as 10; new number for analytical reasons
White Rock	Late Coalition	Roomblock	12587	1591	FH wf	FH	1	3	3.2		20	2	Strat 20 same as 10; new number for analytical reasons
White Rock	Late Coalition	Roomblock	12587	1602	R Flr	b	1	6	7.9		126	4	probably from floor
White Rock	Late Coalition	Roomblock	12587	1698	R Fill abv flr	b	1	8	7.4		70	3	pre-wallfall fill. Fill just above the floor
White Rock	Late Coalition	Roomblock	12587	1725	R Flr	f	1	7	10 approx area Rm 7		127	4	floor surface
White Rock	Late Coalition	Roomblock	12587	1887	R wf	f	1	7	10		10	2	strat 10 post-occupation fill, wallfall, rooffall. "Reed?"-

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
													impressed adobe chunks.
White Rock	Late Coalition	Roomblock	12587	1915	R Special PW Flr	f	1	7	10		127	3	pollen wash from artifact (?) on floor
White Rock	Late Coalition	Roomblock	12587	1916	R Flr	f	1	7	10		127	3	floor
White Rock	Late Coalition	Roomblock	12587	1972	R Flr	f	1	7	10		127	4	floor
White Rock	Late Coalition	Roomblock	12587	1998	R Special Pipe	f	1	2	10.4		10	2	center scraped from clay pipe fragment recovered from wallfall
White Rock	Late Coalition	Roomblock	12587	2108	R Flr	f	1	2	10.4		122	3	
White Rock	Late Coalition	Roomblock	12587	2123	R Fill abv flr	f	1	2	10.4		70	3	immediately above floor; above bone tubes, below wood fragment
White Rock	Late Coalition	Roomblock	12587	2124	R Flr	f	1	2	10.4		122	4	
White Rock	Late Coalition	Roomblock	12587	2125	R Flr ua	f	1	2	10.4		122	4	beneath bone tubes. Bundle of 5 worked bone tubes, probably secured to roof. Roof burned in this room.
White Rock	Late Coalition	Roomblock	12587	2229	R wf	add - on	1	9	9.3		10	2	wallfall
White Rock	Late Coalition	Roomblock	12587	2247	R Flr	b	1	8	7.4		128	3	floor
White Rock	Late Coalition	Roomblock	12587	2563	R wf	f	1	4/5	11.2		14	6	wallfall in room, clear association. This is the wall that separated the original room into room 4/5
White Rock	Late Coalition	Roomblock	12587	2570	R Flr	add - on	1	9	9.3		129	3	floor
White	Late	Roomblock	12587	2631	R Hrth	f	1	4/5	11.2	1	250	7	upper fill hrth Fea. 1 room 4/5

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
Rock	Coalition												
White Rock	Late Coalition	Roomblock	12587	2634	R Hrth	f	1	4/5	11.2	1	251	8	lower fill hrth Fea. 1 room 4/5. This hrth was used before the room was divided.
White Rock	Late Coalition	Roomblock	12587	2648	R Hrth	f	1	2	10.4	4	260	4	hrth
White Rock	Late Coalition	Roomblock	12587	2674	R Control Surface	linear block	1	10	7.8		1	1	loose surface material (A horizon, 2-18 cm bgs)
White Rock	Late Coalition	Roomblock	12587	2679	R wf	b	1	8	7.4		10	3	wallfall beneath mano fragment
White Rock	Late Coalition	Roomblock	12587	2715	R Hrth	f	1	2	10.4	4	261	5	hrth
White Rock	Late Coalition	Roomblock	12587	2746	R B3 use surface	linear block	1	10	7.8		203	3	possible use surface room 10
White Rock	Late Coalition	Roomblock	12587	2793	R Flr ua	b	1	6	7.9		126	4	beneath ground stone
White Rock	Late Coalition	Roomblock	12587	2875	R Special	b	1	1	6.1	2	210	3	pile of dacite cobbles with ash & charcoal, capped by andesite "hatch cover". Possible warming bin. Sample from beneath rock
White Rock	Late Coalition	Roomblock	12587	2906	R B3 use surface	linear block	1	11	15.6		204	3	possible use surface room 11
White Rock	Late Coalition	Roomblock	12587	2923	Midden		7				60	4	midden
White Rock	Late Coalition	Roomblock	12587	2963	R B3 use surface	linear block	1	11	15.6		204	4	possible use surface room 11
White Rock	Late Coalition	Roomblock	12587	2988	R extra-mural cist	f	1	2	10.4	5	213	3	small (0.64x0.38 m) exterior storage pit (shallow only 0.20 m deep) attached to Room 2. pollen 1 replicates, beneath rock

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
White Rock	Late Coalition	Roomblock	12587	2993	R extramural cist	f	1	2	10.4	5	213	3	small (0.64x0.38 m) exterior storage pit (shallow only 0.20 m deep) attached to Room 2. pollen 1 replicates, beneath rock
White Rock	Late Coalition	Roomblock	12587	3003	R wall mortar	FH	1	3	3.2		21	5	wall & subwall mortar, room 3
White Rock	Late Coalition	Roomblock	12587	3050	Midden		7				60	3	midden
White Rock	Late Coalition	Roomblock	12587	3080	Midden		7				60	4	midden
White Rock	Late Coalition	Roomblock	12587	3083	Midden		7				60	4	midden, under mano
White Rock	Late Coalition	Roomblock	12587	3159	R Special PW Flr ua	f	1	7	10		127	4	pollen wash of ceramic fragment
White Rock	Late Coalition	Roomblock	12587	3217	R Flr	f	1	4/5	11.2		252	7	floor 2, youngest floor in room 4/5
White Rock	Late Coalition	Roomblock	12587	3258	R Flr	f	1	4/5	11.2		252	7	floor 2, youngest floor in room 4/5
White Rock	Late Coalition	Roomblock	12587	3310	R pit	b	1	6	7.9	7	290	7	shallow subfloor pit
White Rock	Late Coalition	Roomblock	12587	3334	R Posthole	f	1	4/5	11.2	16	256	8	Fea 16 arc of 4 postholes west of hrth Fea 1
White Rock	Late Coalition	Roomblock	12587	3335	R Posthole	f	1	4/5	11.2	16	256	8	Fea 16 arc of 4 postholes west of hrth Fea 2
White Rock	Late Coalition	Roomblock	12587	3358	R Hrth	f	1	7	10	6	270	7	hrth/ash box complex - upper stratum
White Rock	Late Coalition	Roomblock	12587	3360	R Hrth	f	1	7	10	6	271	8	hrth/ash box complex - lower ashy fill
White Rock	Late Coalition	Roomblock	12587	3369	R Posthole	f	1	2	10.4	10	262	7	posthole 1

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
White Rock	Late Coalition	Roomblock	12587	3370	R Posthole	f	1	2	10.4	10	262	7	posthole 2
White Rock	Late Coalition	Roomblock	12587	3394	R Posthole	f	1	2	10.4	11	263	4	posthole
White Rock	Late Coalition	Roomblock	12587	3441	R Posthole	f	1	7	10	12, 1	272	9	smallest posthole, interior plastered (but not bottom)
White Rock	Late Coalition	Roomblock	12587	3444	R Posthole	f	1	7	10	12, 4	272	9	Fea. 12, 4 postholes may define rectangular shape/str. Posthole interior plastered
White Rock	Late Coalition	Roomblock	12587	3466	R Flr plaster	f	1	7	10		273	11	floor 2 plaster matrix room 7
White Rock	Late Coalition	Roomblock	12587	3467	R Flr plaster	f	1	7	10		273	12	floor 2 plaster matrix room 7
White Rock	Late Coalition	Roomblock	12587	3473	R special PW ground stone	linear block	1	12	7.9		206 /20 7	1	pollen wash of ground stone
White Rock	Late Coalition	Roomblock	12587	3498	R Flr	b	1	8	7.4		128	flr	floor
White Rock	Late Coalition	Roomblock	12587	3499	R Subfloor	b	1	8	7.4		170	sub flr	subfloor, Roomblock 1
White Rock	Late Coalition	Roomblock	12587	3502	R Flr	add - on	1	9	9.3		129	flr	floor
White Rock	Late Coalition	Roomblock	12587	3503	R Subfloor	add - on	1	9	9.3		170	sub flr	subfloor
White Rock	Late Coalition	Roomblock	12587	3513	R Flr	f	1	2	10.4		265		floor 2A room 2, top of plaster
White Rock	Late Coalition	Roomblock	12587	3514	R Flr	f	1	2	10.4		265		floor 2A room 2
White Rock	Late Coalition	Roomblock	12587	3515	R Flr	f	1	2	10.4		266		floor 3A room 2
White Rock	Late Coalition	Roomblock	12587	3516	R Flr	f	1	2	10.4		266		floor 3A room 2

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
White Rock	Late Coalition	Roomblock	12587	3517	R Flr	f	1	2	10.4		264		floor 1A room 2
White Rock	Late Coalition	Roomblock	12587	3518	R Flr	f	1	2	10.4		264		floor 1A room 2
White Rock	Late Coalition	Roomblock	12587	3519	R Flr	f	1	2	10.4		267		floor 1B room 2
White Rock	Late Coalition	Roomblock	12587	3520	R Flr	f	1	2	10.4		268		floor 1C room 2
White Rock	Late Coalition	Roomblock	12587	3521	R Flr	f	1	2	10.4		269		floor 2C room 2
White Rock	Late Coalition	Roomblock	12587	3541	R B3 lower fill	linear block	1	10	7.8		208	4	lower fill Roomblock 3 rooms
White Rock	Late Coalition	Roomblock	12587	3650	R B3 lower fill	linear block	1	12	7.9		208	4	lower fill Roomblock 3 rooms
White Rock	Late Coalition	Roomblock	12587	3692	R B3 wf	linear block	1	14	9		201	2	upper fill Roomblock 3 rooms, beneath ground stone
White Rock	Late Coalition	Roomblock	12587	3710	R B3 wf	linear block	1	10	7.8		201	3	upper fill Roomblock 3 rooms
White Rock	Late Coalition	Roomblock	12587	3778	R B3 use surface	linear block	1	18	6.9		310	2	possible use surface room 18
White Rock	Late Coalition	Roomblock	12587	3798	R B3 use surface	linear block	1	18	6.9		310	2	possible use surface room 18
White Rock	Late Coalition	Roomblock	12587	3820	R B3 wf	linear block	1	16	12.4		201	2	upper fill Roomblock 3 rooms
White Rock	Late Coalition	Roomblock	12587	3860	R B3 wf	linear block	1	17	8.5		201	2	upper fill Roomblock 3 rooms, post occupation fill
White Rock	Late Coalition	Roomblock	12587	3872	R B3 lower fill	linear block	1	14	9		208	3	lower fill Roomblock 3 rooms
White Rock	Late Coalition	Roomblock	12587	3985	R Hrth	f	1	7	10	6	300	11	interior remodeled hrth
White Rock	Late Coalition	Roomblock	12587	4009	R B3 lower fill	linear block	1	16	12.4		208	3	lower fill Roomblock 3 rooms

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
White Rock	Late Coalition	Roomblock	12587	4024	R Hrth, sub-Hrthfill	f	1	4/5	11.2	1	305	21	fill below hrth Fea. 1 in room 4/5
White Rock	Late Coalition	Roomblock	12587	4051	Garden		2	21			280	2	outside the agricultural berms
White Rock	Late Coalition	Roomblock	12587	4052	Garden		2	21			280	3	outside the agricultural berms
White Rock	Late Coalition	Roomblock	12587	4055	Garden		2	21			280	2	inside agricultural berms
White Rock	Late Coalition	Roomblock	12587	4056	Garden		2	21			280	4	inside agricultural berms
White Rock	Late Coalition	Roomblock	12587	4057	Garden		2	21			280	4	inside agricultural berms
White Rock	Late Coalition	Roomblock	12587	4058	Garden		2	19			280	2	inside agricultural berms
White Rock	Late Coalition	Roomblock	12587	4059	Garden		2	19			280	3	inside agricultural berms
White Rock	Late Coalition	Roomblock	12587	4060	Garden		2	19			280	1	beneath agricultural berms
White Rock	Late Coalition	Roomblock	12587	4061	Garden		2	19			280	3	beneath agricultural berms
White Rock	Late Coalition	Roomblock	12587	4062	Garden		2	19			280	2	inside agricultural berms
White Rock	Late Coalition	Roomblock	12587	4063	Garden		2	19			280	4	inside agricultural berms
White Rock	Late Coalition	Roomblock	12587	4064	Garden		2	20			280	2	beneath agricultural berms
White Rock	Late Coalition	Roomblock	12587	4065	Garden		2	20			280	5	beneath agricultural berms
White Rock	Late Coalition	Roomblock	12587	4066	Garden		2	20			280	3	outside agricultural berms
White	Late	Roomblock	12587	4067	Garden		2	20			280	4	outside agricultural berms

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
Rock	Coalition												
White Rock	Late Coalition	Roomblock	12587	4073	R Hrth	f	1	7	10	6	307	20	fill ash box
White Rock	Late Coalition	Roomblock	12587	4097	Rock Pile		2			17	280	2	surface rock pile Feature 17 ca. 1 m diameter, 15 cm high, sample from beneath tuff rock
White Rock	Late Coalition	Roomblock	12587	4098	R Hrth	f	1	7	10	6	309	22	hrth plaster, original interior of hrth
White Rock	Late Coalition	Roomblock	12587	4100	R Hrth, sub-Hrthfill	f	1	7	10	6	308	21	fill below base of hrth approx equivalent to strat 175 subfloor above bedrock
White Rock	Late Coalition	Roomblock	12587	4111	Special Burial		7			15	60	2	Burial 3, under left scapula
White Rock	Late Coalition	Roomblock	12587	4112	Special Burial		7			15	60	2	Burial 3, under palate
White Rock	Late Coalition	Roomblock	12587	4122	R B3 Control Surface	linear block	1	11	15.6		1		loose surface material (A horizon)
White Rock	Late Coalition	Roomblock	12587	4123	R B3 wf	linear block	1	11	15.6		201		upper fill Roomblock 3 rooms (B horizon). In Roomblock 3, post-occupation fill could not be distinguished from wf - Strat 201
White Rock	Late Coalition	Roomblock	12587	4128	R B3 Control Surface	linear block	1	17	8.5		1	1	loose surface material (A horizon)
White Rock	Late Coalition	Roomblock	12587	4129	R B3 wf	linear block	1	17	8.5		201	2	upper fill Roomblock 3 rooms (B horizon)
White Rock	Late Coalition	Roomblock	12587	4130	R B3 wf	linear block	1	17	8.5		201	3	upper fill Roomblock 3 rooms (C horizon)
White Rock	Late Coalition	Roomblock	12587	4141	R Hrth	f	1	2	10.4	20	311	31	hrth below floor 1B foundation

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
White Rock	Late Coalition	Roomblock	12587	4154	Rock Pile		1			18	1	1	surface rock pile Feature 18 overlies E wall Rm 21 ca. 1 m south Fea. 17
White Rock	Late Coalition	Roomblock	12587	4155	Rock Pile		1			18	2	2	control for Fea. 18. Sample below 4154 and beneath rock pile
White Rock	Late Coalition	Roomblock	12587	5120	Special Burial		7			14	60	1	Burial 2, in skull
White Rock	Late Coalition	Roomblock	12587	5122	Special Burial		7			14	60	1	Burial 2, under skull
White Rock	Late Coalition	Roomblock	12587	5123	Special Burial		7			14	60	1	Burial
White Rock	L Archaic, L Coalition, E Classic	Lithic/Ceramic Scatter	86637	274	Scatter						3	2	
White Rock	L Archaic, L Coalition, E Classic	Lithic/Ceramic Scatter	86637	275	Scatter						2	2	
White Rock	L Archaic, L Coalition, E Classic	Lithic/Ceramic Scatter	86637	276	Scatter						1	2	
White Rock	Early Classic	Fieldhouse	127631	14	FH surface						1	1	
White Rock	Early Classic	Fieldhouse	127631	33	FH post fill			1			2	1	
White Rock	Early Classic	Fieldhouse	127631	41	FH post fill						2	2	
White Rock	Early Classic	Fieldhouse	127631	48	FH Flr			1			4	3	

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
White Rock	Early Classic	Fieldhouse	127631	50	FH outside structure						3	3	
White Rock	Early Classic	Fieldhouse	127631	52	FH Flr			1			4	3	
White Rock	Classic	Grid Garden	128803	6	Garden						1	1	Control; upslope, outside garden
White Rock	Classic	Grid Garden	128803	7	Garden						3	2	Control; upslope, outside garden
White Rock	Classic	Grid Garden	128803	11	Garden			west		grid	1	1	inside upslope border
White Rock	Classic	Grid Garden	128803	12	Garden			west		grid	1	1	inside upslope border
White Rock	Classic	Grid Garden	128803	15	Garden						3	1	Control, geomorph pit; downslope, outside walls, Test Pit 1
White Rock	Classic	Grid Garden	128803	17	Garden						4	1	Control, geomorph pit; downslope, outside walls, Test Pit 1
White Rock	Classic	Grid Garden	128803	19	Garden			west		grid	1	1	in center
White Rock	Classic	Grid Garden	128803	20	Garden			west		grid	1	1	in center
White Rock	Classic	Grid Garden	128803	22	Garden			west		grid	1	1	inside downslope border
White Rock	Classic	Grid Garden	128803	23	Garden			west		grid	2	2	inside downslope border
White Rock	Classic	Grid Garden	128803	26	Garden			west		grid	1	1	outside downslope border
White Rock	Classic	Grid Garden	128803	27	Garden			west		grid	2	2	outside downslope border

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
White Rock	Classic	Grid Garden	128803	34	Garden			east		grid	1	1	inside downslope border
White Rock	Classic	Grid Garden	128803	35	Garden			east		grid	1	1	inside grid, center and near FS 21
White Rock	Classic	Grid Garden	128803	36	Garden			east		grid	1	1	inside grid near FS 21
White Rock	Classic	Grid Garden	128803	39	Garden			east		grid	1	1	outside grid, but adjacent border
White Rock	Historic	Checkdam	128804	214	checkdam						1	1	upslope
White Rock	Historic	Checkdam	128804	216	checkdam						1	1	downslope
White Rock	Historic	Checkdam	128804	220	checkdam						1	2	downslope
White Rock	Historic	Checkdam	128804	223	checkdam						1	2	upslope
White Rock	Middle Classic	Fieldhouse	128805	165	FH post fill		1	1			2	2	
White Rock	Middle Classic	Fieldhouse	128805	181	FH post fill		1	1			2	2	
White Rock	Middle Classic	Fieldhouse	128805	182	FH post fill		1	1			2	2	
White Rock	Middle Classic	Fieldhouse	128805	200	FH post fill		1	1			2	2	
White Rock	Middle Classic	Fieldhouse	128805	205	FH post fill		1	1			2	2	
White Rock	Middle Classic	Fieldhouse	128805	222	FH post fill		1	1			2	2	

Tract	Chronology	Site Type	Site	Specimen	Context Code	Room front f or back b	Area	Room No.	Room Area m^2	Feature No.	Strat	Level	Comments
White Rock	Middle Classic	Fieldhouse	128805	226	FH Flr		1	1			4	4	prepared floor
White Rock	Middle Classic	Fieldhouse	128805	245	FH wf		1	1			3	3	room fill with wallfall

Context code: r = room, flr = floor, wf = wallfall, post fill = post-occupation fill, rf = rooffall, ua = under artifact, hrth = hearth, R B 3 = Roomblock 3, GEO = Geology Soil Pits

APPENDIX Y
POLLEN DATA RAW COUNTS

Table Y.1. Pollen counts from LA 86534.

Site Number LA	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534
Specimen Number	727	769	913	921	1000	1063	1275	1297	1303	1325	1326	1334	1359	1475
Sample Volume	15	20	20	20	10	20	20	20	17	20	20	20	20	20
Sample Weight	16.9	21.6	20.2	25.2	9.9	18.1	25.8	22	21.7	25.6	24.1	26.3	27.7	27.2
Tracers	112	50	38	92	172	50	56	18	84	54	28	18	110	28
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	229	201	283	205	240	222	237	206	252	224	224	237	219	242
Pollen Concentration gr/gm or gr/wash	2584.0	3975.0	7874.3	1888.5	3010.3	5239.2	3503.5	11110.5	2952.7	3460.8	7089.8	10692.5	1535.1	6786.5
Taxa Richness	9	7	16	12	8	8	11	11	10	11	12	10	14	9
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zea mays	0	0	0.001	0	0	0	0	0	0.001	1	0	0	0	0
Opuntia (Cylindro)	0	0	0	0	0	0	0	0	0.001	0	0	0	2	0
Opuntia (Platy)	0	0	3	0	0	0	0	0.001	0	0	0.001	2	2	0
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleome	6	0	1	0	0	0	20	0	0	0	2	0	4	8
cf. Helianthus	0	0	3	0	0	0	0	0	0	1	1	0	0	0
Liliaceae	0	0	0	0	0	0	0	0	4	0	0	0	0	0
Solanaceae	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Rosaceae	1	0	0	1	0	0	0	0	0	0	2	3	1	6
Eriogonum	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Brassicaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number LA	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534
Specimen Number	727	769	913	921	1000	1063	1275	1297	1303	1325	1326	1334	1359	1475
Sample Volume	15	20	20	20	10	20	20	20	17	20	20	20	20	20
Sample Weight	16.9	21.6	20.2	25.2	9.9	18.1	25.8	22	21.7	25.6	24.1	26.3	27.7	27.2
Tracers	112	50	38	92	172	50	56	18	84	54	28	18	110	28
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	229	201	283	205	240	222	237	206	252	224	224	237	219	242
Pollen Concentration gr/gm or gr/wash	2584.0	3975.0	7874.3	1888.5	3010.3	5239.2	3503.5	11110.5	2952.7	3460.8	7089.8	10692.5	1535.1	6786.5
Taxa Richness	9	7	16	12	8	8	11	11	10	11	12	10	14	9
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plantago	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	0	14	12	0	14	14	4	14	6	0	0	3	3	12
Large Poaceae	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Populus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	66	128	130	74	60	94	110	102	162	92	92	128	110	90
Fabaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Hi-Spine type	38	8	38	38	22	38	30	24	24	22	22	12	28	28
Ambrosia	0	0	6	2	4	0	4	2	2	0	2	0	2	0
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	1	0	0	0	2	10	0	0	0	0	1	0

Site Number LA	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534
Specimen Number	727	769	913	921	1000	1063	1275	1297	1303	1325	1326	1334	1359	1475
Sample Volume	15	20	20	20	10	20	20	20	17	20	20	20	20	20
Sample Weight	16.9	21.6	20.2	25.2	9.9	18.1	25.8	22	21.7	25.6	24.1	26.3	27.7	27.2
Tracers	112	50	38	92	172	50	56	18	84	54	28	18	110	28
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	229	201	283	205	240	222	237	206	252	224	224	237	219	242
Pollen Concentration gr/gm or gr/wash	2584.0	3975.0	7874.3	1888.5	3010.3	5239.2	3503.5	11110.5	2952.7	3460.8	7089.8	10692.5	1535.1	6786.5
Taxa Richness	9	7	16	12	8	8	11	11	10	11	12	10	14	9
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euphorbiaceae	10	0	7	0	0	0	3	2	0	3	0	0	3	0
Scrophulariaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onagraceae	0	0	0	2	0	0	0	0	0	1	0	0	0	0
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0.001	0	0
Picea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abies	0	0	0	0	0	0	0	0	0	2	0	0	0	0
Pinus	0	2	10	4	30	2	6	2	6	28	24	10	2	8
Pinus edulis type	16	17	20	10	56	12	30	12	14	42	20	8	6	24
Juniperus	14	0	10	2	14	14	0	3	0	9	12	22	2	10
Quercus	0	0	1	2	0	2	0	0	0	0	0	0	0	0
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number LA	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534
Specimen Number	727	769	913	921	1000	1063	1275	1297	1303	1325	1326	1334	1359	1475
Sample Volume	15	20	20	20	10	20	20	20	17	20	20	20	20	20
Sample Weight	16.9	21.6	20.2	25.2	9.9	18.1	25.8	22	21.7	25.6	24.1	26.3	27.7	27.2
Tracers	112	50	38	92	172	50	56	18	84	54	28	18	110	28
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	229	201	283	205	240	222	237	206	252	224	224	237	219	242
Pollen Concentration gr/gm or gr/wash	2584.0	3975.0	7874.3	1888.5	3010.3	5239.2	3503.5	11110.5	2952.7	3460.8	7089.8	10692.5	1535.1	6786.5
Taxa Richness	9	7	16	12	8	8	11	11	10	11	12	10	14	9
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephedra	0	0	0	0	0	0	0	0	2	0	0	0	0	0
Artemisia	4	4	14	6	2	2	2	10	0	10	8	2	8	12
Unknown Small Artemisia	6	0	0	0	0	0	0	0	0	0	0	0	0	0
Sarcobatus	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	58	26	24	57	34	40	24	24	24	12	32	46	40	38
Unknown	10	0	1	3	4	4	1	0	8	1	6	1	5	5
Total Aggregates	0	0	1	0	0	0	0	1	0	0	0	0	0	1
Cheno-Am Aggregates	0	0	1(50+)	0	0	0	0	1(6)	0	0	0	0	X(200+)	1(10)
Sunflower Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maize Aggregates	0	0	X(3)	0	0	0	0	0	X(4)	0	0	0	0	0
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number LA	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534
Specimen Number	727	769	913	921	1000	1063	1275	1297	1303	1325	1326	1334	1359	1475
Sample Volume	15	20	20	20	10	20	20	20	17	20	20	20	20	20
Sample Weight	16.9	21.6	20.2	25.2	9.9	18.1	25.8	22	21.7	25.6	24.1	26.3	27.7	27.2
Tracers	112	50	38	92	172	50	56	18	84	54	28	18	110	28
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	229	201	283	205	240	222	237	206	252	224	224	237	219	242
Pollen Concentration gr/gm or gr/wash	2584.0	3975.0	7874.3	1888.5	3010.3	5239.2	3503.5	11110.5	2952.7	3460.8	7089.8	10692.5	1535.1	6786.5
Taxa Richness	9	7	16	12	8	8	11	11	10	11	12	10	14	9
Aggregates														
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.1 (continued). Pollen counts from LA 86534.

Site Number	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534
Specimen Number	1510	1522	1597	1607	1636	1637	1645	1649	1749	1750	1751	1762	1772	1778
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	24.7	29.1	22.9	23.5	31.5	29.3	20.6	24.6	21.3	23.5	25.4	24.8	22.2	30.3
Tracers	56	54	60	58	64	72	54	58	24	52	68	50	49	76

Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	273	233	235	250	225	212	215	264	236	291	224	240	203	336
Pollen Concentration gr/gm or gr/wash	4215.4	3166.9	3652.9	3917.5	2383.7	2146.3	4128.0	3951.9	9860.1	5086.1	2769.9	4133.8	3985.7	3116.3
Taxa Richness	9	11	13	11	11	10	16	14	8	8	10	13	13	14
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zea mays	0	4	0	0	0	0	0.001	0	0	2	6	0.001	0.001	0
Opuntia (Cylindro)	0	0.001	0	0.001	2	0	2	0	0	0	0	0.001	0	0
Opuntia (Platy)	0	0	2	2	2	1	0.001	4	0	0	0	0.001	0.001	0.001
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleome	6	6	0	0	3	9	12	4	0	0	20	0	0	14
cf. Helianthus	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Liliaceae	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosaceae	0	0	13	0	0	0	0	2	0	0	0	0	0	0
Eriogonum	0	0	0	0	0	0	1	0	0	0	0	3	0	1
Brassicaceae	0	0	0	0	0	0	1	0	1	0	0	0	0	1
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plantago	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	14	15	0	12	10	4	10	0	3	4	16	28	3	18
Large Poaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Populus	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534
Specimen Number	1510	1522	1597	1607	1636	1637	1645	1649	1749	1750	1751	1762	1772	1778
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	24.7	29.1	22.9	23.5	31.5	29.3	20.6	24.6	21.3	23.5	25.4	24.8	22.2	30.3
Tracers	56	54	60	58	64	72	54	58	24	52	68	50	49	76
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	273	233	235	250	225	212	215	264	236	291	224	240	203	336
Pollen Concentration gr/gm or gr/wash	4215.4	3166.9	3652.9	3917.5	2383.7	2146.3	4128.0	3951.9	9860.1	5086.1	2769.9	4133.8	3985.7	3116.3
Taxa Richness	9	11	13	11	11	10	16	14	8	8	10	13	13	14
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	168	98	28	132	102	124	122	106	164	144	90	96	117	84
Fabaceae	0	0	1	0	0	0	0	1	0	0	0	0	0	0
Asteraceae Hi-Spine type	30	30	12	24	34	32	14	24	25	32	20	42	12	40
Ambrosia	0	0	20	6	0	2	6	2	0	0	0	6	0	0
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	1	8	0	0	0	0	0	0
Liguliflorae	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euphorbiaceae	8	2	0	0	0	0	3	0	0	0	6	2	3	3
Scrophulariaceae	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Onagraceae	0	0	0.001	0	0	0	0	0	0	0	0	0	0	0

Site Number	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534
Specimen Number	1510	1522	1597	1607	1636	1637	1645	1649	1749	1750	1751	1762	1772	1778
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	24.7	29.1	22.9	23.5	31.5	29.3	20.6	24.6	21.3	23.5	25.4	24.8	22.2	30.3
Tracers	56	54	60	58	64	72	54	58	24	52	68	50	49	76
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	273	233	235	250	225	212	215	264	236	291	224	240	203	336
Pollen Concentration gr/gm or gr/wash	4215.4	3166.9	3652.9	3917.5	2383.7	2146.3	4128.0	3951.9	9860.1	5086.1	2769.9	4133.8	3985.7	3116.3
Taxa Richness	9	11	13	11	11	10	16	14	8	8	10	13	13	14
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0.001	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Picea	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Abies	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pinus	0	6	12	16	12	6	2	32	1	0	0	8	3	4
Pinus edulis type	6	20	96	28	24	12	4	58	0	2	6	18	3	66
Juniperus	2	0	6	16	6	0	2	4	0	4	8	0	6	35
Quercus	2	0	24	0	2	0	0	0	0	0	0	0	1	0
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephedra	0	4	0	0	0	0	0	0	0	0	0	0	1	4
Artemisia	4	10	6	4	0	2	8	4	5	10	10	4	13	16
Unknown Small Artemisia	0	0	0	0	0	2	0	0	5	28	0	0	2	4
Sarcobatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534
Specimen Number	1510	1522	1597	1607	1636	1637	1645	1649	1749	1750	1751	1762	1772	1778
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	24.7	29.1	22.9	23.5	31.5	29.3	20.6	24.6	21.3	23.5	25.4	24.8	22.2	30.3
Tracers	56	54	60	58	64	72	54	58	24	52	68	50	49	76
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	273	233	235	250	225	212	215	264	236	291	224	240	203	336
Pollen Concentration gr/gm or gr/wash	4215.4	3166.9	3652.9	3917.5	2383.7	2146.3	4128.0	3951.9	9860.1	5086.1	2769.9	4133.8	3985.7	3116.3
Taxa Richness	9	11	13	11	11	10	16	14	8	8	10	13	13	14
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	32	38	14	8	24	14	16	12	25	60	38	28	36	46
Unknown	1	0	0	1	3	2	8	2	3	1	2	3	2	0
Total Aggregates	0	0	0	0	0	2	3	0	3	4	1	1	1	0
Cheno-Am Aggregates	0	0	X(500+)	X(500+)	0	2(8)	3(20+)	0	1(50+)	4(6)	1(6)	1(6)	1(20+)	0
Sunflower Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Aggregates	0	0	0	0	0	0	0	0	2(50+)	0	0	0	0	0
Maize Aggregates	0	0	0	0	0	0	0	0	0	X(12)	0	0	0	0
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534
Specimen Number	1510	1522	1597	1607	1636	1637	1645	1649	1749	1750	1751	1762	1772	1778
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	24.7	29.1	22.9	23.5	31.5	29.3	20.6	24.6	21.3	23.5	25.4	24.8	22.2	30.3
Tracers	56	54	60	58	64	72	54	58	24	52	68	50	49	76
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	273	233	235	250	225	212	215	264	236	291	224	240	203	336
Pollen Concentration gr/gm or gr/wash	4215.4	3166.9	3652.9	3917.5	2383.7	2146.3	4128.0	3951.9	9860.1	5086.1	2769.9	4133.8	3985.7	3116.3
Taxa Richness	9	11	13	11	11	10	16	14	8	8	10	13	13	14
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.1 (continued). Pollen counts from LA 86534.

Site Number	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534
Specimen Number	1786	1788	1905	1908	1915	1922	1960	1967	1974	1991	1993	2164	2175	2204
Sample Volume	20	20	20	8	20	20	20	20	20	20	20	20	20	20
Sample Weight	26.9	22.8	30.2	8.4	19.1	21.4	22	20	25.7	24.5	23.1	21.9	23.1	20.7
Tracers	32	78	72	92	52	264	136	78	58	22	24	42	16	12
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	259	259	229	224	242	231	207	214	218	221	259	264	277	1
Pollen Concentration gr/gm or gr/wash	6426.3	3110.5	2249.3	6190.7	5204.0	873.3	1477.6	2929.9	3123.6	8757.2	9977.9	6130.2	16006.9	86.0
Taxa Richness	12	12	13	12	13	12	12	9	10	12	14	11	11	0
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534
Specimen Number	1786	1788	1905	1908	1915	1922	1960	1967	1974	1991	1993	2164	2175	2204
Sample Volume	20	20	20	8	20	20	20	20	20	20	20	20	20	20
Sample Weight	26.9	22.8	30.2	8.4	19.1	21.4	22	20	25.7	24.5	23.1	21.9	23.1	20.7
Tracers	32	78	72	92	52	264	136	78	58	22	24	42	16	12
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	259	259	229	224	242	231	207	214	218	221	259	264	277	1
Pollen Concentration gr/gm or gr/wash	6426.3	3110.5	2249.3	6190.7	5204.0	873.3	1477.6	2929.9	3123.6	8757.2	9977.9	6130.2	16006.9	86.0
Taxa Richness	12	12	13	12	13	12	12	9	10	12	14	11	11	0
Cucurbita	0	0	0	0	0	0	0	0	0.001	0	0	0	0	0
Zea mays	2	1	0	0	2	0	0	0	0	0	2	0	0	0
Opuntia (Cylindro)	0	0	0	0	0	0	0	6	0	0	0	0	0	0
Opuntia (Platy)	0.001	0.001	0.001	0.001	0	4	1	0	0.001	2	1	4	2	0
Cactaceae	0	0	0	0	0.001	0	0	0	0	0	0	0	0	0
Cleome	8	12	10	10	0	18	0	16	0	0	0	2	4	0
cf. Helianthus	0	0	0	0	0	0	3	0	0	4	0	0	0	0
Liliaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	2	0	1	0	0	0	0	0	0	0	0
Rosaceae	0	0	0	1	2	0	0	0	0	0	0	0	0	0
Eriogonum	0	1	0	0	0	0	0	0	0	0	2	0	0	0
Brassicaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plantago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534
Specimen Number	1786	1788	1905	1908	1915	1922	1960	1967	1974	1991	1993	2164	2175	2204
Sample Volume	20	20	20	8	20	20	20	20	20	20	20	20	20	20
Sample Weight	26.9	22.8	30.2	8.4	19.1	21.4	22	20	25.7	24.5	23.1	21.9	23.1	20.7
Tracers	32	78	72	92	52	264	136	78	58	22	24	42	16	12
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	259	259	229	224	242	231	207	214	218	221	259	264	277	1
Pollen Concentration gr/gm or gr/wash	6426.3	3110.5	2249.3	6190.7	5204.0	873.3	1477.6	2929.9	3123.6	8757.2	9977.9	6130.2	16006.9	86.0
Taxa Richness	12	12	13	12	13	12	12	9	10	12	14	11	11	0
Poaceae	2	18	14	12	6	7	2	18	10	5	16	3	2	0
Large Poaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Populus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	148	120	64	96	72	30	86	68	104	70	56	128	152	0
Fabaceae	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Asteraceae Hi-Spine type	28	36	48	30	30	34	40	24	16	22	40	56	34	0
Ambrosia	0	2	0	0	12	5	0	0	0	0	0	2	0	0
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	2	0	0	0	0	3	0	10	0	0
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	2	0	0	0	0	0	0	0	0	0	0	0
Euphorbiaceae	2	0	4	2	0	7	8	0	0	0	3	0	0	0

Site Number	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534
Specimen Number	1786	1788	1905	1908	1915	1922	1960	1967	1974	1991	1993	2164	2175	2204
Sample Volume	20	20	20	8	20	20	20	20	20	20	20	20	20	20
Sample Weight	26.9	22.8	30.2	8.4	19.1	21.4	22	20	25.7	24.5	23.1	21.9	23.1	20.7
Tracers	32	78	72	92	52	264	136	78	58	22	24	42	16	12
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	259	259	229	224	242	231	207	214	218	221	259	264	277	1
Pollen Concentration gr/gm or gr/wash	6426.3	3110.5	2249.3	6190.7	5204.0	873.3	1477.6	2929.9	3123.6	8757.2	9977.9	6130.2	16006.9	86.0
Taxa Richness	12	12	13	12	13	12	12	9	10	12	14	11	11	0
Scrophulariaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onagraceae	0	0	0	0	0	0	0	0	0	0.001	1	0	1	0
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0.001	0	0	0	0	0	0	0	0	0	0	0
Picea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abies	0	0	0	0	0	0	0	0	6	1	0	0	0	0
Pinus	2	2	6	2	26	4	4	4	22	28	34	0	12	0
Pinus edulis type	8	28	28	14	60	18	2	26	14	14	22	14	8	0
Juniperus	6	8	6	14	10	29	6	12	7	0	8	12	10	0
Quercus	4	0	0	0	2	0	2	0	0	2	4	0	3	0
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephedra	0	0	2	0	0	0	0	0	0	0	0	0	0	0
Artemisia	6	8	12	10	4	8	16	14	6	42	40	8	22	0
Unknown Small Artemisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534
Specimen Number	1786	1788	1905	1908	1915	1922	1960	1967	1974	1991	1993	2164	2175	2204
Sample Volume	20	20	20	8	20	20	20	20	20	20	20	20	20	20
Sample Weight	26.9	22.8	30.2	8.4	19.1	21.4	22	20	25.7	24.5	23.1	21.9	23.1	20.7
Tracers	32	78	72	92	52	264	136	78	58	22	24	42	16	12
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	259	259	229	224	242	231	207	214	218	221	259	264	277	1
Pollen Concentration gr/gm or gr/wash	6426.3	3110.5	2249.3	6190.7	5204.0	873.3	1477.6	2929.9	3123.6	8757.2	9977.9	6130.2	16006.9	86.0
Taxa Richness	12	12	13	12	13	12	12	9	10	12	14	11	11	0
Sarcobatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	42	22	32	28	12	66	30	26	32	22	28	22	20	1
Unknown	1	0	0	1	0	0	6	0	1	5	1	1	5	0
Total Aggregates	0	1	1	2	2	0	0	0	0	1	0	1	2	0
Cheno-Am Aggregates	0	1(8)	1(6)	2(10)	2(10)	0	0	0	0	0	0	0	2(10)	0
Sunflower Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Aggregates	0	0	0	0	0	0	0	0	0	0	0	1(16)	0	0
Maize Aggregates	X(10+)	X(6)	0	0	0	0	0	0	0	0	0	0	0	0
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	0	X(20+)	0	0	0	0	0	0	1(20+)	0	0	0	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534	86534
Specimen Number	1786	1788	1905	1908	1915	1922	1960	1967	1974	1991	1993	2164	2175	2204
Sample Volume	20	20	20	8	20	20	20	20	20	20	20	20	20	20
Sample Weight	26.9	22.8	30.2	8.4	19.1	21.4	22	20	25.7	24.5	23.1	21.9	23.1	20.7
Tracers	32	78	72	92	52	264	136	78	58	22	24	42	16	12
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	259	259	229	224	242	231	207	214	218	221	259	264	277	1
Pollen Concentration gr/gm or gr/wash	6426.3	3110.5	2249.3	6190.7	5204.0	873.3	1477.6	2929.9	3123.6	8757.2	9977.9	6130.2	16006.9	86.0
Taxa Richness	12	12	13	12	13	12	12	9	10	12	14	11	11	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.2. Pollen counts from LA 86534 and LA 135290.

Site Number	86534	86534	86534	86534	86534	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	2205	2219	2225	2229	2232	983	988	1068	1084	1097	1099	1132	1164	1181
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	19.4	16.8	25.7	21.5	18.7	25.2	24.7	26.6	26.8	26.4	22.1	22.2	21.6	26.7
Tracers	10	10	58	16	80	100	350	44	64	12	50	156	103	79
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	2	2	225	109	231	225	201	395	214	127	235	136	214	220
Pollen Concentration gr/gm or gr/wash	220.2	254.3	3223.9	6767.5	3297.9	1907.0	496.6	7208.1	2664.8	8562.1	4542.2	838.7	2054.4	2227.6
Taxa Richness	1	2	10	8	13	13	11	10	8	3	7	9	12	13
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zea mays	0	0	2	0	2	0	0	0	0	0	0	0	4	0.001
Opuntia (Cylindro)	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Opuntia (Platy)	0	0	0	0	0	0	0.001	0	0	0	0	0	1	0.001
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleome	0	0	6	8	40	0	0	0	0	0	0	1	1	0
cf. Helianthus	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Liliaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosaceae	0	0	0	2	0	2	1	1	1	0	0	0	0	0
Eriogonum	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brassicaceae	0	0	0	0	0	2	0	0	0	0	0	0	0	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	86534	86534	86534	86534	86534	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	2205	2219	2225	2229	2232	983	988	1068	1084	1097	1099	1132	1164	1181
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	19.4	16.8	25.7	21.5	18.7	25.2	24.7	26.6	26.8	26.4	22.1	22.2	21.6	26.7
Tracers	10	10	58	16	80	100	350	44	64	12	50	156	103	79
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	2	2	225	109	231	225	201	395	214	127	235	136	214	220
Pollen Concentration gr/gm or gr/wash	220.2	254.3	3223.9	6767.5	3297.9	1907.0	496.6	7208.1	2664.8	8562.1	4542.2	838.7	2054.4	2227.6
Taxa Richness	1	2	10	8	13	13	11	10	8	3	7	9	12	13
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plantago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	0	0	10	10	2	4	12	10	10	0	0	2	6	5
Large Poaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Populus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	0	0	102	30	90	41	16	112	120	94	102	24	62	47
Fabaceae	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Asteraceae Hi-Spine type	0	0.001	18	14	30	36	22	42	24	2	24	34	21	36
Ambrosia	0	0.001	0	0	4	1	0	4	0	0	0	2	5	6
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	86534	86534	86534	86534	86534	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	2205	2219	2225	2229	2232	983	988	1068	1084	1097	1099	1132	1164	1181
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	19.4	16.8	25.7	21.5	18.7	25.2	24.7	26.6	26.8	26.4	22.1	22.2	21.6	26.7
Tracers	10	10	58	16	80	100	350	44	64	12	50	156	103	79
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	2	2	225	109	231	225	201	395	214	127	235	136	214	220
Pollen Concentration gr/gm or gr/wash	220.2	254.3	3223.9	6767.5	3297.9	1907.0	496.6	7208.1	2664.8	8562.1	4542.2	838.7	2054.4	2227.6
Taxa Richness	1	2	10	8	13	13	11	10	8	3	7	9	12	13
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euphorbiaceae	0	0	8	4	4	6	10	0	0	0	2	1	0	0
Scrophulariaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onagraceae	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Picea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abies	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Pinus	0.001	0	12	0	0	2	18	78	4	0	16	0	15	14
Pinus edulis type	0	0	28	8	10	24	32	52	3	0	26	0	16	23
Juniperus	0	0	4	0	4	17	6	34	5	0	4	4	6	18
Quercus	0	0	0	3	0	4	1	4	0	0	0	0	0	0
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	86534	86534	86534	86534	86534	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	2205	2219	2225	2229	2232	983	988	1068	1084	1097	1099	1132	1164	1181
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	19.4	16.8	25.7	21.5	18.7	25.2	24.7	26.6	26.8	26.4	22.1	22.2	21.6	26.7
Tracers	10	10	58	16	80	100	350	44	64	12	50	156	103	79
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	2	2	225	109	231	225	201	395	214	127	235	136	214	220
Pollen Concentration gr/gm or gr/wash	220.2	254.3	3223.9	6767.5	3297.9	1907.0	496.6	7208.1	2664.8	8562.1	4542.2	838.7	2054.4	2227.6
Taxa Richness	1	2	10	8	13	13	11	10	8	3	7	9	12	13
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	2	0	0	0	0	0	0	0	0	0
Ephedra	0	0	0	0	2	2	0	0	0	0	0	0	0	0
Artemisia	0	0	10	0	4	14	26	28	14	16	16	18	20	33
Unknown Small Artemisia	0	0	0	0	0	0	0	0	0	0	0	8	0	0
Sarcobatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	2	2	24	30	26	66	57	28	32	14	44	42	54	32
Unknown	0	0	0	0	10	4	0	1	1	0	0	0	2	2
Total Aggregates	0	0	1	0	0	0	0	1	0	1	1	0	0	0
Cheno-Am Aggregates	0	0	1(6)	0	0	0	0	0	0	1(6)	1(20+)	0	0	0
Sunflower Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maize Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	86534	86534	86534	86534	86534	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	2205	2219	2225	2229	2232	983	988	1068	1084	1097	1099	1132	1164	1181
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	19.4	16.8	25.7	21.5	18.7	25.2	24.7	26.6	26.8	26.4	22.1	22.2	21.6	26.7
Tracers	10	10	58	16	80	100	350	44	64	12	50	156	103	79
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	2	2	225	109	231	225	201	395	214	127	235	136	214	220
Pollen Concentration gr/gm or gr/wash	220.2	254.3	3223.9	6767.5	3297.9	1907.0	496.6	7208.1	2664.8	8562.1	4542.2	838.7	2054.4	2227.6
Taxa Richness	1	2	10	8	13	13	11	10	8	3	7	9	12	13
Juniper Aggregates	0	0	0	0	0	0	0	1(10)	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.2 (continued). Pollen counts from LA 135290.

Site Number	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	1196	1272	1276	1301	1330	1416	1432	1446	1457	1479	1518	1635	1645	1649
Sample Volume	20	20	20	20	20	20	20	20	18	20	20	8	20	9
Sample Weight	24.9	27.9	22.6	23.7	23.2	20.8	21.4	23	21.2	21.4	24.5	10.6	20.3	11.2

Tracers	84	6	24	30	208	16	22	14	106	76	172	10	194	116
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	238	240	105	154	348	238	93	259	271	260	168	2	252	316
Pollen Concentration gr/gm or gr/wash	2430.3	30620.8	4134.6	4626.1	1540.2	15274.1	4219.0	17179.3	2575.7	3414.3	851.5	403.0	1366.7	5194.8
Taxa Richness	9	12	12	7	11	8	12	9	10	12	14	3	11	11
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zea mays	0	0	0	2	0	1	1	0	0	0	1	0.001	11	0
Opuntia (Cylindro)	0	0.001	0	0	0	0	0	0	0	0	0.001	0	0	0
Opuntia (Platy)	0	0	0	0	1	0	0	0	0	2	0	0	6	2
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleome	0	0	0	0	1	0	0	0	0	0	2	0	3	0
cf. Helianthus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liliaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosaceae	0	3	0	0	0	0	1	2	0	0	0	0	0	2
Eriogonum	0	1	0	0	0	0	0	0	0	0	1	0	0	0
Brassicaceae	0	0	0	0	2	0	0	0	0	0	0	0	0	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plantago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	2	19	4	0	10	3	6	2	0	4	11	0	0	4
Large Poaceae	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Populus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	1196	1272	1276	1301	1330	1416	1432	1446	1457	1479	1518	1635	1645	1649
Sample Volume	20	20	20	20	20	20	20	20	18	20	20	8	20	9
Sample Weight	24.9	27.9	22.6	23.7	23.2	20.8	21.4	23	21.2	21.4	24.5	10.6	20.3	11.2
Tracers	84	6	24	30	208	16	22	14	106	76	172	10	194	116
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	238	240	105	154	348	238	93	259	271	260	168	2	252	316
Pollen Concentration gr/gm or gr/wash	2430.3	30620.8	4134.6	4626.1	1540.2	15274.1	4219.0	17179.3	2575.7	3414.3	851.5	403.0	1366.7	5194.8
Taxa Richness	9	12	12	7	11	8	12	9	10	12	14	3	11	11
Betula	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	94	44	26	66	76	52	15	138	66	30	42	0	56	36
Fabaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Hi-Spine type	22	5	6	21	48	12	16	10	46	52	39	0	34	32
Ambrosia	0	0	0	0	0	0	0	0	0	4	3	0	2	10
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euphorbiaceae	0	0	2	0	0	0	0	0	0	0	0	0	1	12
Scrophulariaceae	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Onagraceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	1196	1272	1276	1301	1330	1416	1432	1446	1457	1479	1518	1635	1645	1649
Sample Volume	20	20	20	20	20	20	20	20	18	20	20	8	20	9
Sample Weight	24.9	27.9	22.6	23.7	23.2	20.8	21.4	23	21.2	21.4	24.5	10.6	20.3	11.2
Tracers	84	6	24	30	208	16	22	14	106	76	172	10	194	116
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	238	240	105	154	348	238	93	259	271	260	168	2	252	316
Pollen Concentration gr/gm or gr/wash	2430.3	30620.8	4134.6	4626.1	1540.2	15274.1	4219.0	17179.3	2575.7	3414.3	851.5	403.0	1366.7	5194.8
Taxa Richness	9	12	12	7	11	8	12	9	10	12	14	3	11	11
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Picea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abies	0	1	0	0	0	0	1	0	1	2	0	0	0	0
Pinus	8	43	2	6	16	54	18	24	14	10	10	1	10	10
Pinus edulis type	20	36	2	3	8	80	10	16	32	12	6	0	10	14
Juniperus	3	73	4	2	4	8	1	2	16	10	7	0	0	0
Quercus	0	1	1	0	0	0	0	2	1	0	0	0	0	0
Rhus type	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephedra	3	0	0	0	0	0	2	0	0	0	2	0	4	0
Artemisia	40	13	10	24	60	8	20	26	20	74	32	1	75	80
Unknown Small Artemisia	12	0	12	0	8	0	0	0	4	20	11	0	0	6
Sarcobatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	1196	1272	1276	1301	1330	1416	1432	1446	1457	1479	1518	1635	1645	1649
Sample Volume	20	20	20	20	20	20	20	20	18	20	20	8	20	9
Sample Weight	24.9	27.9	22.6	23.7	23.2	20.8	21.4	23	21.2	21.4	24.5	10.6	20.3	11.2
Tracers	84	6	24	30	208	16	22	14	106	76	172	10	194	116
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	238	240	105	154	348	238	93	259	271	260	168	2	252	316
Pollen Concentration gr/gm or gr/wash	2430.3	30620.8	4134.6	4626.1	1540.2	15274.1	4219.0	17179.3	2575.7	3414.3	851.5	403.0	1366.7	5194.8
Taxa Richness	9	12	12	7	11	8	12	9	10	12	14	3	11	11
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	29	1	32	30	106	14	0	36	70	28	0	0	40	104
Unknown	4	0	2	0	8	6	0	0	0	10	0	0	0	4
Total Aggregates	1	0	0	0	0	0	1	1	0	1	1	0	0	0
Cheno-Am Aggregates	0	0	0	0	0	0	1(10)	1(10)	0	0	1(8)	0	0	0
Sunflower Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maize Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	1(10)	0	0	0	0	0	0	0	0	1(12)	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	1196	1272	1276	1301	1330	1416	1432	1446	1457	1479	1518	1635	1645	1649
Sample Volume	20	20	20	20	20	20	20	20	18	20	20	8	20	9
Sample Weight	24.9	27.9	22.6	23.7	23.2	20.8	21.4	23	21.2	21.4	24.5	10.6	20.3	11.2
Tracers	84	6	24	30	208	16	22	14	106	76	172	10	194	116
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	238	240	105	154	348	238	93	259	271	260	168	2	252	316
Pollen Concentration gr/gm or gr/wash	2430.3	30620.8	4134.6	4626.1	1540.2	15274.1	4219.0	17179.3	2575.7	3414.3	851.5	403.0	1366.7	5194.8
Taxa Richness	9	12	12	7	11	8	12	9	10	12	14	3	11	11
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.2 (continued). Pollen counts from LA 135290.

Site Number	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	1661	1706	1719	1772	1820	1821	1852	1899	1920	1923	1991	2028	2043	2051
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	21.7	26.7	22.6	21.9	23.4	23.9	31.2	25.3	25.1	23.6	26.6	23.1	23	24.4
Tracers	108	78	89	69	49	54	106	40	100	48	99	138	99	104
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	237	229	208	115	297	298	239	224	218	243	216	234	264	255
Pollen Concentration gr/gm or gr/wash	2159.9	2348.5	2208.6	1625.4	5532.3	4931.6	1543.5	4727.5	1855.0	4581.6	1751.9	1567.8	2476.3	2146.2
Taxa Richness	15	13	10	8	16	11	15	10	14	12	12	10	8	10
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	3	0	0	0	0	0.001	0	0	3	0	0	0	0
Zea mays	2	14	0	0	0	0	8	0	0.001	12	0	0	2	0
Opuntia (Cylindro)	0	0	0	0	0	0	2	0	0	0	0	0	0	0

Site Number	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	1661	1706	1719	1772	1820	1821	1852	1899	1920	1923	1991	2028	2043	2051
Opuntia (Platy)	0	0.001	0	3	1	0.001	1	6	0	0	3	0.001	0.001	2
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleome	5	0	4	0	3	0	0	0	0	0	0	10	3	0
cf. Helianthus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liliaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosaceae	1	0	0	0	0	1	0	0	5	0	3	0	0	1
Eriogonum	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brassicaceae	0	0	2	0	0	0	0	0	0	0	0	0	0	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plantago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	6	20	7	2	21	21	12	22	12	12	24	21	23	8
Large Poaceae	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Populus	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	61	44	44	56	81	86	78	18	39	24	20	68	74	62
Fabaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Hi-Spine type	39	50	27	2	30	44	28	20	33	56	37	28	62	24
Ambrosia	1	2	0	0	0	0	2	2	1	0	2	0	0	0

Site Number	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	1661	1706	1719	1772	1820	1821	1852	1899	1920	1923	1991	2028	2043	2051
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euphorbiaceae	7	0	0	0	2	0	0	0	3	5	7	11	0	10
Scrophulariaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onagraceae	0	0.001	0	0	1	0.001	0.001	0	0	0	0	0	0	0
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	1	0	0	0	0	0	0	0	0	0.001	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Picea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abies	1	0	0	0	1	0	0	0	0	0	0	0	0	0
Pinus	17	1	6	4	27	12	38	68	17	30	9	2	0	28
Pinus edulis type	6	20	12	2	17	16	6	30	14	2	2	4	0	14
Juniperus	10	10	6	8	14	14	6	4	11	6	7	2	0	0
Quercus	0	1	0	0	1	1	0	0	3	0	3	0	0	0
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephedra	1	0	0	0	2	0	0	2	1	4	0	0	0	2
Artemisia	44	28	30	10	30	48	26	20	15	65	33	32	37	60

Site Number	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	1661	1706	1719	1772	1820	1821	1852	1899	1920	1923	1991	2028	2043	2051
Unknown Small Artemisia	0	0	8	0	10	0	0	0	2	0	0	0	3	0
Sarcobatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	31	36	59	28	52	54	28	32	56	24	64	56	60	42
Unknown	3	0	3	0	1	0	2	0	6	0	1	0	0	1
Total Aggregates	1	0	0	0	2	1	0	0	0	0	1	0	0	1
Cheno-Am Aggregates	1(10)	0	0	0	1(12)	1(100+)	0	0	0	0	0	0	0	1(8)
Sunflower Family Aggregates	0	0	0	0	1(6)	0	0	0	0	0	0	0	0	0
Grass Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maize Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	1(12)	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	1661	1706	1719	1772	1820	1821	1852	1899	1920	1923	1991	2028	2043	2051
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	X	0	0	0	0	0	0	0	0

Table Y.2 (continued). Pollen counts from LA 135290.

Site Number	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	2068	2084	2100	2104	2105	2134	2137	2149	2161	2179	2185	2186	2231	2234
Sample Volume	20	20	20	20	20	20	19	20	20	20	20	20	20	20
Sample Weight	25.7	25.6	24.6	30.1	25.3	19	24.5	22.1	25.2	21	25.3	27.3	27.8	1
Tracers	16	27	26	125	144	124	25	216	66	180	42	26	54	20
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	237	205	278	205	242	263	238	200	229	199	264	227	283	3
Pollen Concentration gr/gm or gr/wash	12309.9	6334.5	9283.2	1163.7	1418.7	2384.2	8299.1	894.8	2940.7	1124.4	5306.3	6830.5	4026.3	3203.7
Taxa Richness	10	17	14	19	14	9	20	9	6	8	15	11	8	3
Gossypium	7	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	3	7	0	0	0	4	0	0	0	22	28	0	0.001
Zea mays	36	48	30	2	4	0	75	55	0	0	78	85	0	0.001
Opuntia (Cylindro)	0	0.001	1	0	0	0	0	0	0	0	2	3	0	0
Opuntia (Platy)	1	0.001	0	3	0	0.001	0	0	0	0	6	0.001	0	0
Cactaceae	0	0	0	0.001	0	0	0	0	0	0	0	0	0	0
Cleome	9	1	0	1	0	8	0	0	0	0	0	0	0	0
cf. Helianthus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liliaceae	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Rosaceae	0	0	0	3	0	0	2	0	0	0	0	0	0	0

Site Number	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	2068	2084	2100	2104	2105	2134	2137	2149	2161	2179	2185	2186	2231	2234
Sample Volume	20	20	20	20	20	20	19	20	20	20	20	20	20	20
Sample Weight	25.7	25.6	24.6	30.1	25.3	19	24.5	22.1	25.2	21	25.3	27.3	27.8	1
Tracers	16	27	26	125	144	124	25	216	66	180	42	26	54	20
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	237	205	278	205	242	263	238	200	229	199	264	227	283	3
Pollen Concentration gr/gm or gr/wash	12309.9	6334.5	9283.2	1163.7	1418.7	2384.2	8299.1	894.8	2940.7	1124.4	5306.3	6830.5	4026.3	3203.7
Taxa Richness	10	17	14	19	14	9	20	9	6	8	15	11	8	3
Eriogonum	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brassicaceae	0	0	5	0	0	0	2	0	0	0	0	0	0	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plantago	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Poaceae	37	18	17	7	20	4	15	8	0	0	30	10	12	0
Large Poaceae	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Populus	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	37	14	45	27	42	108	19	36	101	50	12	0	116	0
Fabaceae	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Asteraceae Hi-Spine type	48	32	34	33	20	24	39	0	20	16	20	8	28	0
Ambrosia	0	0	2	1	2	0	2	0	0	2	0	0	0	0
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	2068	2084	2100	2104	2105	2134	2137	2149	2161	2179	2185	2186	2231	2234
Sample Volume	20	20	20	20	20	20	19	20	20	20	20	20	20	20
Sample Weight	25.7	25.6	24.6	30.1	25.3	19	24.5	22.1	25.2	21	25.3	27.3	27.8	1
Tracers	16	27	26	125	144	124	25	216	66	180	42	26	54	20
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	237	205	278	205	242	263	238	200	229	199	264	227	283	3
Pollen Concentration gr/gm or gr/wash	12309.9	6334.5	9283.2	1163.7	1418.7	2384.2	8299.1	894.8	2940.7	1124.4	5306.3	6830.5	4026.3	3203.7
Taxa Richness	10	17	14	19	14	9	20	9	6	8	15	11	8	3
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Asteraceae Low-Spine type cf. Iva	2	0	0	0	0	0	3	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euphorbiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scrophulariaceae	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Onagraceae	0.001	0.001	0	0	4	0	0.001	0	0	0	2	20	0	0
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	2	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Picea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abies	0	1	1	0	1	0	1	0	0	0	0	0	0	0
Pinus	0	10	19	7	24	12	6	10	2	8	2	16	6	0.001
Pinus edulis type	0	6	0	4	4	0	3	12	2	8	14	2	10	0
Juniperus	0	5	3	7	16	10	5	6	4	4	2	2	4	0
Quercus	0	0	5	2	6	1	0	0	0	0	1	0	0	0

Site Number	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	2068	2084	2100	2104	2105	2134	2137	2149	2161	2179	2185	2186	2231	2234
Sample Volume	20	20	20	20	20	20	19	20	20	20	20	20	20	20
Sample Weight	25.7	25.6	24.6	30.1	25.3	19	24.5	22.1	25.2	21	25.3	27.3	27.8	1
Tracers	16	27	26	125	144	124	25	216	66	180	42	26	54	20
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	237	205	278	205	242	263	238	200	229	199	264	227	283	3
Pollen Concentration gr/gm or gr/wash	12309.9	6334.5	9283.2	1163.7	1418.7	2384.2	8299.1	894.8	2940.7	1124.4	5306.3	6830.5	4026.3	3203.7
Taxa Richness	10	17	14	19	14	9	20	9	6	8	15	11	8	3
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephedra	0	1	0	1	1	0	1	0	0	2	0	0	0	0
Artemisia	47	31	90	20	42	40	38	5	65	44	34	24	10	0
Unknown Small Artemisia	0	1	5	4	12	0	1	0	0	0	2	0	3	0
Sarcobatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	12	32	13	74	40	56	18	61	33	64	34	24	92	3
Unknown	0	1	1	6	4	0	1	3	2	0	2	4	2	0
Total Aggregates	1	0	0	0	0	0	0	1	0	1	0	1	0	0
Cheno-Am Aggregates	0	0	0	0	0	0	0	0	0	1(12)	0	0	0	0
Sunflower Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maize Aggregates	1(4)	0	X(6)	0	X(5)	0	X(6)	1(4)	0	0	0	1(8)	0	0
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	2068	2084	2100	2104	2105	2134	2137	2149	2161	2179	2185	2186	2231	2234
Sample Volume	20	20	20	20	20	20	19	20	20	20	20	20	20	20
Sample Weight	25.7	25.6	24.6	30.1	25.3	19	24.5	22.1	25.2	21	25.3	27.3	27.8	1
Tracers	16	27	26	125	144	124	25	216	66	180	42	26	54	20
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	237	205	278	205	242	263	238	200	229	199	264	227	283	3
Pollen Concentration gr/gm or gr/wash	12309.9	6334.5	9283.2	1163.7	1418.7	2384.2	8299.1	894.8	2940.7	1124.4	5306.3	6830.5	4026.3	3203.7
Taxa Richness	10	17	14	19	14	9	20	9	6	8	15	11	8	3
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.2 (continued). Pollen counts from LA 135290.

Site Number	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	2248	2249	2251	2252	2275	2276	2277	2278	2279	2280	2298	2316	2325	2348
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	26.4	28.9	21.9	21.4	19.2	22.4	24	25.9	28	26	21.9	22.4	21	24
Tracers	116	102	214	188	28	17	44	32	42	72	6	60	46	104

Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	216	255	216	109	209	10	1	2	1	1	224	218	262	236
Pollen Concentration gr/gm or gr/wash	1506.4	1847.6	984.4	578.6	8303.2	560.9	20.2	51.5	18.2	11.4	36409.4	3464.3	5792.7	2019.4
Taxa Richness	13	15	9	5	9	7	1	2	1	1	9	11	10	15
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zea mays	0	2	8	55	0	0	0	0	0	0	0	4	0	2
Opuntia (Cylindro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opuntia (Platy)	2	3	0	0	0	0	0	0	0	0	0	0	0.001	2
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleome	0	10	0	0	0	0	0	0	0	0	0	3	0	3
cf. Helianthus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liliaceae	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosaceae	0	0	6	0	0	0	0	0	0	0	0	0	5	0
Eriogonum	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Brassicaceae	0	0	0	0	0	0	0	0	0	0	1	1	0	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plantago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	26	17	4	0	0	0	0	0	0	0	3	3	4	3
Large Poaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Populus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	2248	2249	2251	2252	2275	2276	2277	2278	2279	2280	2298	2316	2325	2348
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	26.4	28.9	21.9	21.4	19.2	22.4	24	25.9	28	26	21.9	22.4	21	24
Tracers	116	102	214	188	28	17	44	32	42	72	6	60	46	104
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	216	255	216	109	209	10	1	2	1	1	224	218	262	236
Pollen Concentration gr/gm or gr/wash	1506.4	1847.6	984.4	578.6	8303.2	560.9	20.2	51.5	18.2	11.4	36409.4	3464.3	5792.7	2019.4
Taxa Richness	13	15	9	5	9	7	1	2	1	1	9	11	10	15
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	16	34	52	8	2	4	0	0	0	0	70	53	122	45
Fabaceae	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Asteraceae Hi-Spine type	22	40	30	0	17	3	0	1	0	0	10	26	38	50
Ambrosia	2	2	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Euphorbiaceae	2	2	0	0	0	0	0	0	0	0	2	0	4	7
Scrophulariaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Onagraceae	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	2248	2249	2251	2252	2275	2276	2277	2278	2279	2280	2298	2316	2325	2348
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	26.4	28.9	21.9	21.4	19.2	22.4	24	25.9	28	26	21.9	22.4	21	24
Tracers	116	102	214	188	28	17	44	32	42	72	6	60	46	104
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	216	255	216	109	209	10	1	2	1	1	224	218	262	236
Pollen Concentration gr/gm or gr/wash	1506.4	1847.6	984.4	578.6	8303.2	560.9	20.2	51.5	18.2	11.4	36409.4	3464.3	5792.7	2019.4
Taxa Richness	13	15	9	5	9	7	1	2	1	1	9	11	10	15
Nyctaginaceae	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Picea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abies	1	0	0	0	1	0	0	0	0	0	0	0	0	0
Pinus	4	12	12	8	20	1	1	0	1	1	34	0	0	23
Pinus edulis type	4	2	8	0	51	1	0	0	0	0	66	3	8	14
Juniperus	4	9	2	0	72	1	0	1	0	0	8	3	24	5
Quercus	0	0	0	1	1	0	0	0	0	0	0	0	0	2
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephedra	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Artemisia	60	42	16	5	2	0	0	0	0	0	4	7	2	21
Unknown Small Artemisia	12	0	0	0	0	0	0	0	0	0	0	0	0	0
Sarcobatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Erodium	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	56	72	72	32	41	0	0	0	0	0	22	102	54	46
Unknown	4	5	6	0	1	0	0	0	0	0	4	11	0	9

Site Number	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	2248	2249	2251	2252	2275	2276	2277	2278	2279	2280	2298	2316	2325	2348
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	26.4	28.9	21.9	21.4	19.2	22.4	24	25.9	28	26	21.9	22.4	21	24
Tracers	116	102	214	188	28	17	44	32	42	72	6	60	46	104
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	216	255	216	109	209	10	1	2	1	1	224	218	262	236
Pollen Concentration gr/gm or gr/wash	1506.4	1847.6	984.4	578.6	8303.2	560.9	20.2	51.5	18.2	11.4	36409.4	3464.3	5792.7	2019.4
Taxa Richness	13	15	9	5	9	7	1	2	1	1	9	11	10	15
Total Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sunflower Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maize Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	2248	2249	2251	2252	2275	2276	2277	2278	2279	2280	2298	2316	2325	2348
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	26.4	28.9	21.9	21.4	19.2	22.4	24	25.9	28	26	21.9	22.4	21	24
Tracers	116	102	214	188	28	17	44	32	42	72	6	60	46	104
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	216	255	216	109	209	10	1	2	1	1	224	218	262	236
Pollen Concentration gr/gm or gr/wash	1506.4	1847.6	984.4	578.6	8303.2	560.9	20.2	51.5	18.2	11.4	36409.4	3464.3	5792.7	2019.4
Taxa Richness	13	15	9	5	9	7	1	2	1	1	9	11	10	15
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.2 (continued). Pollen counts from LA 135290.

Site Number	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	2398	2402	2419	2425	2449	2460	2482	2486	2487	2494	2498	2523	2550	2558
Sample Volume	20	20	16	20	20	20	20	20	20	14	20	20	20	20
Sample Weight	24.8	21	17.3	26.4	23.7	23.3	21.7	19	23.9	18.6	23.1	29.4	25.1	19.3
Tracers	15	128	88	72	112	204	10	125	138	141	62	163	64	82
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	219	212	92	242	318	255	224	226	259	226	247	241	202	277
Pollen Concentration gr/gm or gr/wash	12573.7	1684.5	1290.7	2719.2	2558.7	1145.8	22047.0	2032.4	1677.2	1840.5	3683.4	1074.1	2685.7	3738.3
Taxa Richness	13	19	7	9	9	11	10	15	11	12	9	16	11	13
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0.001	0	0	0	0	0	0	0	0	0	0	0	0	0
Zea mays	100	20	0	0	0	4	0	9	10	0	9	2	0	0
Opuntia (Cylindro)	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Opuntia (Platy)	3	0	0	0	1	0	0	0	0	0	0	3	0	4
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleome	0	2	0	0	0	8	0	2	0	0	0	0	0	0

Site Number	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	2398	2402	2419	2425	2449	2460	2482	2486	2487	2494	2498	2523	2550	2558
Sample Volume	20	20	16	20	20	20	20	20	20	14	20	20	20	20
Sample Weight	24.8	21	17.3	26.4	23.7	23.3	21.7	19	23.9	18.6	23.1	29.4	25.1	19.3
Tracers	15	128	88	72	112	204	10	125	138	141	62	163	64	82
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	219	212	92	242	318	255	224	226	259	226	247	241	202	277
Pollen Concentration gr/gm or gr/wash	12573.7	1684.5	1290.7	2719.2	2558.7	1145.8	22047.0	2032.4	1677.2	1840.5	3683.4	1074.1	2685.7	3738.3
Taxa Richness	13	19	7	9	9	11	10	15	11	12	9	16	11	13
cf. Helianthus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liliaceae	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	3	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosaceae	0	1	0	0	1	1	1	1	0	2	0	1	0	1
Eriogonum	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Brassicaceae	2	1	0	0	0	0	0	0	0	1	0	0	0	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plantago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	14	16	0	10	9	10	4	8	26	7	15	14	9	10
Large Poaceae	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Populus	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	1	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	2398	2402	2419	2425	2449	2460	2482	2486	2487	2494	2498	2523	2550	2558
Sample Volume	20	20	16	20	20	20	20	20	20	14	20	20	20	20
Sample Weight	24.8	21	17.3	26.4	23.7	23.3	21.7	19	23.9	18.6	23.1	29.4	25.1	19.3
Tracers	15	128	88	72	112	204	10	125	138	141	62	163	64	82
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	219	212	92	242	318	255	224	226	259	226	247	241	202	277
Pollen Concentration gr/gm or gr/wash	12573.7	1684.5	1290.7	2719.2	2558.7	1145.8	22047.0	2032.4	1677.2	1840.5	3683.4	1074.1	2685.7	3738.3
Taxa Richness	13	19	7	9	9	11	10	15	11	12	9	16	11	13
Cheno-Am	23	51	20	82	2	16	11	57	62	45	50	15	57	58
Fabaceae	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Asteraceae Hi-Spine type	34	24	12	26	32	34	9	20	22	46	20	32	26	12
Ambrosia	6	0	0	0	0	0	2	2	0	0	0	1	3	2
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Asteraceae Low-Spine type cf. Iva	6	0	0	0	0	0	0	0	0	0	0	0	2	0
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euphorbiaceae	0	1	0	12	12	0	0	0	4	3	0	3	0	0
Scrophulariaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onagraceae	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	2398	2402	2419	2425	2449	2460	2482	2486	2487	2494	2498	2523	2550	2558
Sample Volume	20	20	16	20	20	20	20	20	20	14	20	20	20	20
Sample Weight	24.8	21	17.3	26.4	23.7	23.3	21.7	19	23.9	18.6	23.1	29.4	25.1	19.3
Tracers	15	128	88	72	112	204	10	125	138	141	62	163	64	82
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	219	212	92	242	318	255	224	226	259	226	247	241	202	277
Pollen Concentration gr/gm or gr/wash	12573.7	1684.5	1290.7	2719.2	2558.7	1145.8	22047.0	2032.4	1677.2	1840.5	3683.4	1074.1	2685.7	3738.3
Taxa Richness	13	19	7	9	9	11	10	15	11	12	9	16	11	13
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Picea	0	0	0	0	0	0	0	0	0	0	0	0	1	8
Abies	0	0	0	0	0	0	4	1	0	0	0	0	0	4
Pinus	3	7	6	28	0	28	98	36	22	4	40	29	27	64
Pinus edulis type	0	5	6	12	0	14	67	18	4	6	40	10	10	70
Juniperus	1	8	2	0	0	2	13	6	2	3	8	13	2	4
Quercus	0	2	0	2	0	0	0	1	4	1	0	1	0	2
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephedra	0	1	0	0	6	0	0	1	0	0	0	1	1	0
Artemisia	14	5	13	32	195	22	8	18	36	32	20	47	41	12
Unknown Small Artemisia	0	7	1	0	0	10	0	4	2	0	0	4	0	0
Sarcobatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	11	51	30	36	54	92	7	37	64	73	42	62	21	26
Unknown	1	4	2	0	5	14	0	3	0	2	2	2	2	0
Total Aggregates	0	0	0	1	0	0	0	2	1	0	0	0	0	0

Site Number	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	2398	2402	2419	2425	2449	2460	2482	2486	2487	2494	2498	2523	2550	2558
Sample Volume	20	20	16	20	20	20	20	20	20	14	20	20	20	20
Sample Weight	24.8	21	17.3	26.4	23.7	23.3	21.7	19	23.9	18.6	23.1	29.4	25.1	19.3
Tracers	15	128	88	72	112	204	10	125	138	141	62	163	64	82
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	219	212	92	242	318	255	224	226	259	226	247	241	202	277
Pollen Concentration gr/gm or gr/wash	12573.7	1684.5	1290.7	2719.2	2558.7	1145.8	22047.0	2032.4	1677.2	1840.5	3683.4	1074.1	2685.7	3738.3
Taxa Richness	13	19	7	9	9	11	10	15	11	12	9	16	11	13
Cheno-Am Aggregates	0	0	0	0	0	0	0	0	1(100+)	0	0	0	0	0
Sunflower Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Aggregates	0	0	0	1(20+)	0	0	0	0	0	0	0	0	0	0
Maize Aggregates	0	0	0	0	0	0	0	2(20)	0	0	0	0	0	0
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290	135290
Specimen Number	2398	2402	2419	2425	2449	2460	2482	2486	2487	2494	2498	2523	2550	2558
Sample Volume	20	20	16	20	20	20	20	20	20	14	20	20	20	20
Sample Weight	24.8	21	17.3	26.4	23.7	23.3	21.7	19	23.9	18.6	23.1	29.4	25.1	19.3
Tracers	15	128	88	72	112	204	10	125	138	141	62	163	64	82
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	219	212	92	242	318	255	224	226	259	226	247	241	202	277
Pollen Concentration gr/gm or gr/wash	12573.7	1684.5	1290.7	2719.2	2558.7	1145.8	22047.0	2032.4	1677.2	1840.5	3683.4	1074.1	2685.7	3738.3
Taxa Richness	13	19	7	9	9	11	10	15	11	12	9	16	11	13
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.3. Pollen counts from LA 135290 and LA 139418.

Site Number	135290	135290	135290	135290	139418	139418	139418	139418	139418	139418	139418	139418	139418	139418
Specimen Number	2559	2562	2579	2586	379	380	381	382	383	384	390	391	392	393
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	23.5	24.3	28.2	25.8	23.7	25.6	21.1	23.4	22.2	22.1	27	22	27.3	24.6
Tracers	136	22	280	92	100	64	174	16	33	450	34	254	594	68
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	244	211	211	258	271	226	244	298	287	219	303	204	285	255
Pollen Concentration gr/gm or gr/wash	1630.6	8429.7	570.7	2321.5	2442.2	2946.1	1419.4	16999.7	8367.1	470.3	7049.5	779.7	375.4	3255.8
Taxa Richness	12	11	10	12	15	10	11	15	9	10	12	9	10	11
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	0	0.001	0	0	0	0	0	0	0	0	0	0	0
Zea mays	0	0	3	0.001	1	0.001	0	0	0	0	0	0	0	0
Opuntia (Cylindro)	0	0	0	0	0	0	0	0	0.001	0	0	0	0	0
Opuntia (Platy)	1	0.001	0	2	0.001	0	0	0.001	3	0.001	0.001	0	0	2
Cactaceae	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Cleome	0	0	0	0	0	2	0	0	0	0	0	0	0	0
cf. Helianthus	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Liliaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosaceae	3	0	0	0	0	0	4	0	0	0	4	2	0	0
Eriogonum	0	0	0	0	0	0	0	0	13	0	0	0	0	0
Brassicaceae	1	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	135290	135290	135290	135290	139418	139418	139418	139418	139418	139418	139418	139418	139418	139418
Specimen Number	2559	2562	2579	2586	379	380	381	382	383	384	390	391	392	393
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	23.5	24.3	28.2	25.8	23.7	25.6	21.1	23.4	22.2	22.1	27	22	27.3	24.6
Tracers	136	22	280	92	100	64	174	16	33	450	34	254	594	68
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	244	211	211	258	271	226	244	298	287	219	303	204	285	255
Pollen Concentration gr/gm or gr/wash	1630.6	8429.7	570.7	2321.5	2442.2	2946.1	1419.4	16999.7	8367.1	470.3	7049.5	779.7	375.4	3255.8
Taxa Richness	12	11	10	12	15	10	11	15	9	10	12	9	10	11
Plantago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	3	10	10	24	2	6	8	8	2	24	8	2	26	20
Large Poaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Populus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	76	46	18	54	62	34	16	50	157	24	32	98	36	34
Fabaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Hi-Spine type	28	37	10	18	42	54	20	54	83	24	16	36	66	52
Ambrosia	0	0	0	0	2	0	2	1	0	0	0	0	0	2
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	3	0	0	3	0	0	1	0	0	6
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	135290	135290	135290	135290	139418	139418	139418	139418	139418	139418	139418	139418	139418	139418
Specimen Number	2559	2562	2579	2586	379	380	381	382	383	384	390	391	392	393
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	23.5	24.3	28.2	25.8	23.7	25.6	21.1	23.4	22.2	22.1	27	22	27.3	24.6
Tracers	136	22	280	92	100	64	174	16	33	450	34	254	594	68
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	244	211	211	258	271	226	244	298	287	219	303	204	285	255
Pollen Concentration gr/gm or gr/wash	1630.6	8429.7	570.7	2321.5	2442.2	2946.1	1419.4	16999.7	8367.1	470.3	7049.5	779.7	375.4	3255.8
Taxa Richness	12	11	10	12	15	10	11	15	9	10	12	9	10	11
Euphorbiaceae	0	6	2	0	0	0	0	1	0	0	0	2	0	0
Scrophulariaceae	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Onagraceae	0	0	0	1	0	0	0	0	0.001	0	0	0	0	0
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Picea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abies	0	1	0	0	6	0.001	4	0.001	0	0	0	0	0	0
Pinus	28	5	36	60	4	0	30	48	0	22	24	0	21	26
Pinus edulis type	22	1	14	14	10	14	88	71	0	62	112	4	52	50
Juniperus	8	3	10	14	90	40	44	40	7	18	78	4	10	14
Quercus	2	0	0	1	2	2	0	2	0	1	2	0	3	4
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephedra	0	1	0	2	6	0	1	3	0	6	0	0	0	0
Artemisia	14	44	40	33	7	1	1	9	0	2	4	2	14	0
Unknown Small Artemisia	6	0	0	0	8	0	0	0	0	0	0	4	2	0

Site Number	135290	135290	135290	135290	139418	139418	139418	139418	139418	139418	139418	139418	139418	139418
Specimen Number	2559	2562	2579	2586	379	380	381	382	383	384	390	391	392	393
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	23.5	24.3	28.2	25.8	23.7	25.6	21.1	23.4	22.2	22.1	27	22	27.3	24.6
Tracers	136	22	280	92	100	64	174	16	33	450	34	254	594	68
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	244	211	211	258	271	226	244	298	287	219	303	204	285	255
Pollen Concentration gr/gm or gr/wash	1630.6	8429.7	570.7	2321.5	2442.2	2946.1	1419.4	16999.7	8367.1	470.3	7049.5	779.7	375.4	3255.8
Taxa Richness	12	11	10	12	15	10	11	15	9	10	12	9	10	11
Sarcobatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0.001	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	48	57	58	32	26	58	20	6	6	28	22	40	40	36
Unknown	4	0	10	2	0	15	6	1	3	8	0	10	14	8
Total Aggregates	0	0	0	1	0	0	0	0	12	0	0	0	0	0
Cheno-Am Aggregates	0	0	0	0	0	0	0	0	11(20+)	0	0	0	0	0
Sunflower Family Aggregates	0	0	0	0	0	0	0	0	1(12)	0	0	0	0	0
Grass Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maize Aggregates	0	0	X(3)	1(4)	0	0	0	0	0	0	0	0	0	0
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	X(10)	0	0	0	0	0
Pine Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	135290	135290	135290	135290	139418	139418	139418	139418	139418	139418	139418	139418	139418	139418
Specimen Number	2559	2562	2579	2586	379	380	381	382	383	384	390	391	392	393
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	23.5	24.3	28.2	25.8	23.7	25.6	21.1	23.4	22.2	22.1	27	22	27.3	24.6
Tracers	136	22	280	92	100	64	174	16	33	450	34	254	594	68
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	244	211	211	258	271	226	244	298	287	219	303	204	285	255
Pollen Concentration gr/gm or gr/wash	1630.6	8429.7	570.7	2321.5	2442.2	2946.1	1419.4	16999.7	8367.1	470.3	7049.5	779.7	375.4	3255.8
Taxa Richness	12	11	10	12	15	10	11	15	9	10	12	9	10	11
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.4. Pollen counts from LA 139418 and LA 141505.

Site Number	139418	139418	139418	139418	139418	139418	139418	139418	141505	141505	141505	141505	141505	141505
Specimen Number	394	395	396	405	406	407	408	410	21	38	75	79	83	84
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	24.9	21.6	19.6	22.8	23.7	26.3	24.3	27.1	22.5	25.7	26.8	8.1	20	20.9
Tracers	124	578	152	30	250	368	10	228	78	78	70	214	40	86
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	326	211	203	267	106	73	3	263	297	230	227	203	228	185
Pollen Concentration gr/gm or gr/wash	2255.1	361.0	1455.3	8337.1	382.1	161.1	263.7	909.1	3614.4	2450.5	2584.4	2501.3	6087.0	2198.3
Taxa Richness	18	13	10	12	8	7	0	10	10	11	12	13	10	10
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zea mays	0	0	0	0	0	0	0	0	0	0	0	3	0	0
Opuntia (Cylindro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opuntia (Platy)	2	2	0	0.001	0.001	0	0	0	0.001	0	0	1	0	0
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleome	4	2	0	0	0	0	0	0	0	8	1	1	0	0
cf. Helianthus	0	0	0	0	0	0	0	0	0	0	0	0	2	0
Liliaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Typha	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosaceae	1	2	0	2	0	0	0	0	0	0	0	0	0	2
Eriogonum	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brassicaceae	0	0	0	0	0	0	0	0	0	0	0	0	4	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	139418	139418	139418	139418	139418	139418	139418	139418	141505	141505	141505	141505	141505	141505
Specimen Number	394	395	396	405	406	407	408	410	21	38	75	79	83	84
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	24.9	21.6	19.6	22.8	23.7	26.3	24.3	27.1	22.5	25.7	26.8	8.1	20	20.9
Tracers	124	578	152	30	250	368	10	228	78	78	70	214	40	86
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	326	211	203	267	106	73	3	263	297	230	227	203	228	185
Pollen Concentration gr/gm or gr/wash	2255.1	361.0	1455.3	8337.1	382.1	161.1	263.7	909.1	3614.4	2450.5	2584.4	2501.3	6087.0	2198.3
Taxa Richness	18	13	10	12	8	7	0	10	10	11	12	13	10	10
Plantago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	12	4	19	2	5	14	0	12	10	10	6	6	0	10
Large Poaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Populus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juglans	1	0	0	0	0	0	0	0	0	0	0	1	0	0
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	50	48	14	38	38	4	0	34	42	38	18	22	8	3
Fabaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Hi-Spine type	22	28	8	40	8	0	0	92	40	42	26	46	20	30
Ambrosia	2	0	2	0	0	0	0	2	2	0	0	0	2	0
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	1	6	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	139418	139418	139418	139418	139418	139418	139418	139418	141505	141505	141505	141505	141505	141505
Specimen Number	394	395	396	405	406	407	408	410	21	38	75	79	83	84
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	24.9	21.6	19.6	22.8	23.7	26.3	24.3	27.1	22.5	25.7	26.8	8.1	20	20.9
Tracers	124	578	152	30	250	368	10	228	78	78	70	214	40	86
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	326	211	203	267	106	73	3	263	297	230	227	203	228	185
Pollen Concentration gr/gm or gr/wash	2255.1	361.0	1455.3	8337.1	382.1	161.1	263.7	909.1	3614.4	2450.5	2584.4	2501.3	6087.0	2198.3
Taxa Richness	18	13	10	12	8	7	0	10	10	11	12	13	10	10
Euphorbiaceae	0	0	0	0	0	2	0	5	0	5	0	2	0	6
Scrophulariaceae	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Onagraceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0.001	0	0.001	0	0	0	0	0	0	0	0	0	0
Picea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abies	2	0	2	0	0	2	0	0	0	0	3	0	0	0
Pinus	20	6	42	8	4	8	0	2	18	2	62	6	20	8
Pinus edulis type	98	52	63	104	18	12	0	24	126	53	60	70	150	72
Juniperus	29	4	9	36	8	0	0	18	22	16	10	4	8	28
Quercus	4	2	4	2	2	0	0	0	0	1	1	0	1	0
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephedra	4	4	0	4	0	0	0	2	2	0	4	0	0	0
Artemisia	12	0	4	4	0	1	0	6	22	10	14	10	8	0
Unknown Small Artemisia	0	0	0	0	0	0	0	0	0	0	6	1	0	0

Site Number	139418	139418	139418	139418	139418	139418	139418	139418	141505	141505	141505	141505	141505	141505
Specimen Number	394	395	396	405	406	407	408	410	21	38	75	79	83	84
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	24.9	21.6	19.6	22.8	23.7	26.3	24.3	27.1	22.5	25.7	26.8	8.1	20	20.9
Tracers	124	578	152	30	250	368	10	228	78	78	70	214	40	86
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	326	211	203	267	106	73	3	263	297	230	227	203	228	185
Pollen Concentration gr/gm or gr/wash	2255.1	361.0	1455.3	8337.1	382.1	161.1	263.7	909.1	3614.4	2450.5	2584.4	2501.3	6087.0	2198.3
Taxa Richness	18	13	10	12	8	7	0	10	10	11	12	13	10	10
Sarcobatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	52	40	30	18	22	30	3	60	12	34	16	28	4	22
Unknown	8	11	6	8	1	0	0	6	0	10	0	0	0	2
Total Aggregates	0	0	0	1	0	0	0	0	1	0	0	2	1	0
Cheno-Am Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sunflower Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maize Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	0	0	1(40+)	0	0	0	0	1(12)	0	0	2(20+)	0	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	139418	139418	139418	139418	139418	139418	139418	139418	141505	141505	141505	141505	141505	141505
Specimen Number	394	395	396	405	406	407	408	410	21	38	75	79	83	84
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	24.9	21.6	19.6	22.8	23.7	26.3	24.3	27.1	22.5	25.7	26.8	8.1	20	20.9
Tracers	124	578	152	30	250	368	10	228	78	78	70	214	40	86
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	326	211	203	267	106	73	3	263	297	230	227	203	228	185
Pollen Concentration gr/gm or gr/wash	2255.1	361.0	1455.3	8337.1	382.1	161.1	263.7	909.1	3614.4	2450.5	2584.4	2501.3	6087.0	2198.3
Taxa Richness	18	13	10	12	8	7	0	10	10	11	12	13	10	10
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	1(12)	0
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	1	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.5. Pollen counts from LA 21592 and LA 15116.

Site Number	21592	21592	21592	21592	21592	21592	21592	21592	21592	21592	21592	15116	15116	15116
Specimen Number	30.1	30.2	30.3	30.4	30.5	30.6	31	32	33	34	35	18	32	36
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	28.4	27.4	26.2	30.1	31	27.4	26.2	24.7	22.3	27.4	32.8	21.9	20.7	22.6
Tracers	18	66	148	68	252	232	236	36	89	10	616	74	620	264
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	37166	37166	37166
Pollen Sum	8	206	129	328	215	237	255	259	219	211	207	276	215	208
Pollen Concentration gr/gm or gr/wash	334.2	2433.0	710.5	3422.6	587.8	796.3	880.8	6221.0	2356.7	16447.2	218.8	6329.6	622.6	1295.7
Taxa Richness	3	12	9	13	13	15	8	12	14	19	12	14	11	14
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zea mays	0	0	0.001	0	3	0	0	0	0	0	0	2	0	0
Opuntia (Cylindro)	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Opuntia (Platy)	0	0	0	0.001	0	0	0	0	0	0.001	0	0	0	0
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleome	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Helianthus	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Liliaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosaceae	0	2	0	0	2	1	0	1	0	0	0	0	0	2
Eriogonum	0	1	0	2	0	0	0	0	0	0	0	0	0	0
Brassicaceae	0	0	0	0	0	0	0	0	0	0	0	2	0	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Site Number	21592	21592	21592	21592	21592	21592	21592	21592	21592	21592	21592	15116	15116	15116
Specimen Number	30.1	30.2	30.3	30.4	30.5	30.6	31	32	33	34	35	18	32	36
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	28.4	27.4	26.2	30.1	31	27.4	26.2	24.7	22.3	27.4	32.8	21.9	20.7	22.6
Tracers	18	66	148	68	252	232	236	36	89	10	616	74	620	264
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	37166	37166	37166
Pollen Sum	8	206	129	328	215	237	255	259	219	211	207	276	215	208
Pollen Concentration gr/gm or gr/wash	334.2	2433.0	710.5	3422.6	587.8	796.3	880.8	6221.0	2356.7	16447.2	218.8	6329.6	622.6	1295.7
Taxa Richness	3	12	9	13	13	15	8	12	14	19	12	14	11	14
Plantago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	0	5	14	12	3	6	28	9	115	4	16	30	16	6
Large Poaceae	0	0	0	0	0	3	0	0	1	0	0	0	0	0
Populus	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	3	0	0	1	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	1	10	26	14	50	22	41	27	5	9	17	32	20	14
Fabaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Hi-Spine type	2	8	18	20	40	47	49	14	8	9	26	50	38	28
Ambrosia	0	0	0	0	2	2	0	2	6	6	6	2	1	0
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Sphaeralcea	0	0	0	0	0	0	0	0	0	0	1	0	0	0

Site Number	21592	21592	21592	21592	21592	21592	21592	21592	21592	21592	21592	15116	15116	15116
Specimen Number	30.1	30.2	30.3	30.4	30.5	30.6	31	32	33	34	35	18	32	36
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	28.4	27.4	26.2	30.1	31	27.4	26.2	24.7	22.3	27.4	32.8	21.9	20.7	22.6
Tracers	18	66	148	68	252	232	236	36	89	10	616	74	620	264
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	37166	37166	37166
Pollen Sum	8	206	129	328	215	237	255	259	219	211	207	276	215	208
Pollen Concentration gr/gm or gr/wash	334.2	2433.0	710.5	3422.6	587.8	796.3	880.8	6221.0	2356.7	16447.2	218.8	6329.6	622.6	1295.7
Taxa Richness	3	12	9	13	13	15	8	12	14	19	12	14	11	14
Euphorbiaceae	0	0	0	0	8	4	0	0	4	0	0	0	0	0
Scrophulariaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onagraceae	0	0	0	0	0	0	0	0	0	0.001	1	0	0	0
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	1	0	0	0	0	0	0.001	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	1	0	2	0.001	0	0	0.001	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Picea	0	1	0	0	0	0	0	0.001	0	0.001	0	2	0	2
Abies	0	1	0	3	0	0	0	6	1	9	0.001	1	0	2
Pinus	2	130	2	125	18	50	8	134	19	147	7	70	28	60
Pinus edulis type	0	28	6	85	9	14	18	24	8	14	2	33	44	40
Juniperus	0	7	2	24	6	10	8	15	15	0	12	14	18	16
Quercus	0	0	2	2	0	2	0	4	2	1	0	3	4	4
Rhus type	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Ephedra	0	2	0	0	2	2	0	0	0	1	0	8	2	6
Artemisia	0	1	0	2	2	4	12	2	2	4	8	10	10	12
Unknown Small Artemisia	0	0	0	0	0	0	0	0	0	0	2	0	0	0

Site Number	21592	21592	21592	21592	21592	21592	21592	21592	21592	21592	21592	15116	15116	15116
Specimen Number	30.1	30.2	30.3	30.4	30.5	30.6	31	32	33	34	35	18	32	36
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	28.4	27.4	26.2	30.1	31	27.4	26.2	24.7	22.3	27.4	32.8	21.9	20.7	22.6
Tracers	18	66	148	68	252	232	236	36	89	10	616	74	620	264
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	37166	37166	37166
Pollen Sum	8	206	129	328	215	237	255	259	219	211	207	276	215	208
Pollen Concentration gr/gm or gr/wash	334.2	2433.0	710.5	3422.6	587.8	796.3	880.8	6221.0	2356.7	16447.2	218.8	6329.6	622.6	1295.7
Taxa Richness	3	12	9	13	13	15	8	12	14	19	12	14	11	14
Sarcobatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	1	0	0	0	0	0	0.001	0	0	0	0
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	3	8	56	36	68	62	82	21	21	1	104	14	24	6
Unknown	0	1	2	1	0	6	6	0	2	1	5	3	8	8
Total Aggregates	0	1	0	0	0	1	0	0	9	1	0	0	1	0
Cheno-Am Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sunflower Family Aggregates	0	0	0	0	0	0	0	0	0	1(12+)	0	0	0	0
Grass Aggregates	0	0	0	0	0	1(6)	0	0	9(10)	0	0	0	0	0
Maize Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	1(100+)	0	0	0	0	0	0	0	0	0	0	1(20+)	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	21592	21592	21592	21592	21592	21592	21592	21592	21592	21592	21592	15116	15116	15116
Specimen Number	30.1	30.2	30.3	30.4	30.5	30.6	31	32	33	34	35	18	32	36
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	28.4	27.4	26.2	30.1	31	27.4	26.2	24.7	22.3	27.4	32.8	21.9	20.7	22.6
Tracers	18	66	148	68	252	232	236	36	89	10	616	74	620	264
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	37166	37166	37166
Pollen Sum	8	206	129	328	215	237	255	259	219	211	207	276	215	208
Pollen Concentration gr/gm or gr/wash	334.2	2433.0	710.5	3422.6	587.8	796.3	880.8	6221.0	2356.7	16447.2	218.8	6329.6	622.6	1295.7
Taxa Richness	3	12	9	13	13	15	8	12	14	19	12	14	11	14
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.6. Pollen counts from LA 15116, LA 70025, LA 85403, LA 85404, and LA 85407.

Site Number	15116	70025	70025	85403	85403	85403	85403	85403	85404	85404	85404	85404	85404	85407
Specimen Number	39	22	23	28	35	50	51	54	70	73	90	95	96	299
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	18.2	18.1	18.9	17.4	20.6	22.5	23.5	20.6	22.1	23.5	22.4	21.5	20	15.7
Tracers	442	898	486	112	470	109	400	228	520	180	390	286	280	45
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166
Pollen Sum	205	226	227	195	275	14	211	279	196	200	260	113	117	208
Pollen Concentration gr/gm or gr/wash	947.1	516.8	918.5	3718.9	1055.6	212.2	834.3	2207.7	633.9	1757.3	1106.1	683.0	776.5	10942.0
Taxa Richness	11	13	12	9	13	1	12	10	12	10	14	8	6	11
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	0	0	0	0	0	0	0	0.001	0	0	0	0	0
Zea mays	0	1	6	0	0	0	0	0	0	0	8	1	0	0
Opuntia (Cylindro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opuntia (Platy)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleome	0	0	0	0	1	0	0	5	0	0	0	0	0	0
cf. Helianthus	0	0	1	0	0	0	0	0	0	0	0	0	0	5
Liliaceae	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosaceae	2	0	1	0	0	0	0	0	0	0	0	0	0	1
Eriogonum	0	0	0	0	1	0	0	0	0	0	2	0	0	0
Brassicaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	1	0	0	0	0	0	0	0

Site Number	15116	70025	70025	85403	85403	85403	85403	85403	85404	85404	85404	85404	85404	85407
Specimen Number	39	22	23	28	35	50	51	54	70	73	90	95	96	299
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	18.2	18.1	18.9	17.4	20.6	22.5	23.5	20.6	22.1	23.5	22.4	21.5	20	15.7
Tracers	442	898	486	112	470	109	400	228	520	180	390	286	280	45
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166
Pollen Sum	205	226	227	195	275	14	211	279	196	200	260	113	117	208
Pollen Concentration gr/gm or gr/wash	947.1	516.8	918.5	3718.9	1055.6	212.2	834.3	2207.7	633.9	1757.3	1106.1	683.0	776.5	10942.0
Taxa Richness	11	13	12	9	13	1	12	10	12	10	14	8	6	11
Plantago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	26	16	10	6	28	0	18	10	52	23	40	22	24	12
Large Poaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Populus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	30	24	46	30	60	0	26	68	34	8	36	12	22	65
Fabaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Hi-Spine type	24	33	22	40	56	3	34	74	28	26	20	18	18	13
Ambrosia	2	4	0	0	2	0	0	0	2	2	1	0	0	0
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	15116	70025	70025	85403	85403	85403	85403	85403	85404	85404	85404	85404	85404	85407
Specimen Number	39	22	23	28	35	50	51	54	70	73	90	95	96	299
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	18.2	18.1	18.9	17.4	20.6	22.5	23.5	20.6	22.1	23.5	22.4	21.5	20	15.7
Tracers	442	898	486	112	470	109	400	228	520	180	390	286	280	45
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166
Pollen Sum	205	226	227	195	275	14	211	279	196	200	260	113	117	208
Pollen Concentration gr/gm or gr/wash	947.1	516.8	918.5	3718.9	1055.6	212.2	834.3	2207.7	633.9	1757.3	1106.1	683.0	776.5	10942.0
Taxa Richness	11	13	12	9	13	1	12	10	12	10	14	8	6	11
Euphorbiaceae	0	0	7	0	4	0	1	0	0	0	6	0	0	0
Scrophulariaceae	0	0	0	1	1	0	0	1	1	0	1	2	0	0
Onagraceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Picea	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Abies	0	2	2	0	0	0	1	0	0	2	0	0	0	5
Pinus	44	52	64	38	6	0	55	8	14	70	8	3	0	43
Pinus edulis type	33	22	8	58	4	0	18	6	8	46	14	18	18	40
Juniperus	10	10	4	11	14	0	2	6	2	4	12	0	2	8
Quercus	4	6	0	0	0	0	1	0	0	0	0	0	0	1
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephedra	2	2	0	0	4	0	4	2	4	2	2	0	0	0
Artemisia	12	6	18	2	18	0	26	24	4	6	32	22	12	8
Unknown Small Artemisia	0	0	0	0	0	0	0	0	8	0	15	0	0	0

Site Number	15116	70025	70025	85403	85403	85403	85403	85403	85404	85404	85404	85404	85404	85407
Specimen Number	39	22	23	28	35	50	51	54	70	73	90	95	96	299
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	18.2	18.1	18.9	17.4	20.6	22.5	23.5	20.6	22.1	23.5	22.4	21.5	20	15.7
Tracers	442	898	486	112	470	109	400	228	520	180	390	286	280	45
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166
Pollen Sum	205	226	227	195	275	14	211	279	196	200	260	113	117	208
Pollen Concentration gr/gm or gr/wash	947.1	516.8	918.5	3718.9	1055.6	212.2	834.3	2207.7	633.9	1757.3	1106.1	683.0	776.5	10942.0
Taxa Richness	11	13	12	9	13	1	12	10	12	10	14	8	6	11
Sarcobatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	14	38	28	6	70	11	22	62	34	10	54	10	18	6
Unknown	2	7	9	2	6	0	1	13	4	0	8	4	3	0
Total Aggregates	0	1	1	0	0	0	1	0	1	1	1	1	0	1
Cheno-Am Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	1(20+)
Sunflower Family Aggregates	0	0	0	0	0	0	0	0	0	1(12)	0	0	0	0
Grass Aggregates	0	0	0	0	0	0	0	0	1(6)	0	1(8)	1(8)	0	0
Maize Aggregates	0	X(6)	0	0	0	0	0	0	0	0	0	0	0	0
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	1(10+)	1(20+)	0	0	0	1(20+)	0	0	0	0	0	0	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	15116	70025	70025	85403	85403	85403	85403	85403	85404	85404	85404	85404	85404	85407
Specimen Number	39	22	23	28	35	50	51	54	70	73	90	95	96	299
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	18.2	18.1	18.9	17.4	20.6	22.5	23.5	20.6	22.1	23.5	22.4	21.5	20	15.7
Tracers	442	898	486	112	470	109	400	228	520	180	390	286	280	45
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166
Pollen Sum	205	226	227	195	275	14	211	279	196	200	260	113	117	208
Pollen Concentration gr/gm or gr/wash	947.1	516.8	918.5	3718.9	1055.6	212.2	834.3	2207.7	633.9	1757.3	1106.1	683.0	776.5	10942.0
Taxa Richness	11	13	12	9	13	1	12	10	12	10	14	8	6	11
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.7. Pollen counts from LA 85407, LA 85408, and LA 85411.

Site Number	85407	85407	85407	85407	85407	85407	85407	85408	85408	85408	85411	85411	85411	85411
Specimen Number	302	329	330	358	390	391	490	11	66	77	31	127	173	174
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	19.5	19.7	21.6	21.4	18	15.7	18.3	21.6	23.2	19.8	20.5	18.8	23.7	18.3
Tracers	50	128	173	41	47	33	129	322	223	452	166	302	36	339
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166
Pollen Sum	202	235	254	244	243	209	217	105	230	218	232	232	290	207
Pollen Concentration gr/gm or gr/wash	7700.0	3463.7	2526.3	10335.7	10675.3	14992.7	3416.4	561.1	1652.3	905.3	2533.8	1518.7	12632.6	1240.1
Taxa Richness	10	11	10	10	10	13	12	9	15	9	11	10	12	13
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zea mays	0	0	1	0	0	0	0	0	1	0	2	0	0	0
Opuntia (Cylindro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opuntia (Platy)	0	0	0	0	0	1	1	0	0	0	0	0	0	0
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleome	0	0	0	0	0	0	3	0	0	0	0	0	0	0
cf. Helianthus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liliaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	1	0	0	0	1	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosaceae	0	0	0	0	0	0	0	0	0	2	0	2	0	1
Eriogonum	0	0	1	1	0	0	0	0	0	0	0	0	0	0
Brassicaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	85407	85407	85407	85407	85407	85407	85407	85408	85408	85408	85411	85411	85411	85411
Specimen Number	302	329	330	358	390	391	490	11	66	77	31	127	173	174
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	19.5	19.7	21.6	21.4	18	15.7	18.3	21.6	23.2	19.8	20.5	18.8	23.7	18.3
Tracers	50	128	173	41	47	33	129	322	223	452	166	302	36	339
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166
Pollen Sum	202	235	254	244	243	209	217	105	230	218	232	232	290	207
Pollen Concentration gr/gm or gr/wash	7700.0	3463.7	2526.3	10335.7	10675.3	14992.7	3416.4	561.1	1652.3	905.3	2533.8	1518.7	12632.6	1240.1
Taxa Richness	10	11	10	10	10	13	12	9	15	9	11	10	12	13
Plantago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	4	3	16	1	0	4	1	8	15	14	0	18	4	10
Large Poaceae	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Populus	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	81	33	77	47	75	40	52	12	15	2	36	14	12	21
Fabaceae	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Asteraceae Hi-Spine type	18	23	38	21	29	20	25	14	25	0	20	30	8	20
Ambrosia	0	0	0	0	0	2	1	0	1	0	0	2	0	3
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	1	0	0	1	0	0	0	0	0	0	0	0	0

Site Number	85407	85407	85407	85407	85407	85407	85407	85408	85408	85408	85411	85411	85411	85411
Specimen Number	302	329	330	358	390	391	490	11	66	77	31	127	173	174
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	19.5	19.7	21.6	21.4	18	15.7	18.3	21.6	23.2	19.8	20.5	18.8	23.7	18.3
Tracers	50	128	173	41	47	33	129	322	223	452	166	302	36	339
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166
Pollen Sum	202	235	254	244	243	209	217	105	230	218	232	232	290	207
Pollen Concentration gr/gm or gr/wash	7700.0	3463.7	2526.3	10335.7	10675.3	14992.7	3416.4	561.1	1652.3	905.3	2533.8	1518.7	12632.6	1240.1
Taxa Richness	10	11	10	10	10	13	12	9	15	9	11	10	12	13
Euphorbiaceae	0	0	5	0	0	3	0	1	0	2	0	2	2	5
Scrophulariaceae	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Onagraceae	0.001	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
Picea	0	1	0	0	1	1	0	0	1	0	0	0	1	0
Abies	0	2	0	4	4	1	3	0	1	0	1	0	7	1
Pinus	25	92	26	81	70	66	62	12	71	75	70	56	122	36
Pinus edulis type	33	68	51	70	17	29	39	8	27	48	72	38	71	28
Juniperus	11	6	18	6	31	21	2	6	0	6	1	0	9	7
Quercus	2	0	0	0	0	0	0	2	8	2	2	2	9	5
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephedra	0	1	0	1	2	1	3	0	2	0	0	0	0	2
Artemisia	7	0	6	4	4	2	2	8	24	22	6	18	0	26
Unknown Small Artemisia	0	0	0	0	0	0	0	0	0	0	6	0	0	0

Site Number	85407	85407	85407	85407	85407	85407	85407	85408	85408	85408	85411	85411	85411	85411
Specimen Number	302	329	330	358	390	391	490	11	66	77	31	127	173	174
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	19.5	19.7	21.6	21.4	18	15.7	18.3	21.6	23.2	19.8	20.5	18.8	23.7	18.3
Tracers	50	128	173	41	47	33	129	322	223	452	166	302	36	339
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166
Pollen Sum	202	235	254	244	243	209	217	105	230	218	232	232	290	207
Pollen Concentration gr/gm or gr/wash	7700.0	3463.7	2526.3	10335.7	10675.3	14992.7	3416.4	561.1	1652.3	905.3	2533.8	1518.7	12632.6	1240.1
Taxa Richness	10	11	10	10	10	13	12	9	15	9	11	10	12	13
Sarcobatus	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	10	3	14	5	6	18	20	34	33	45	14	48	36	40
Unknown	8	1	0	0	2	0	3	0	3	0	0	2	8	2
Total Aggregates	2	0	1	3	1	0	0	0	0	0	1	0	0	0
Cheno-Am Aggregates	0	0	1(6)	0	0	0	0	0	0	0	0	0	0	0
Sunflower Family Aggregates	0	0	0	1(10)	0	0	0	0	0	0	0	0	0	0
Grass Aggregates	2(12)	0	0	0	0	0	0	0	0	0	0	0	0	0
Maize Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	0	0	2(10)	0	0	0	0	0	0	1(12+)	0	0	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	85407	85407	85407	85407	85407	85407	85407	85408	85408	85408	85411	85411	85411	85411
Specimen Number	302	329	330	358	390	391	490	11	66	77	31	127	173	174
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	19.5	19.7	21.6	21.4	18	15.7	18.3	21.6	23.2	19.8	20.5	18.8	23.7	18.3
Tracers	50	128	173	41	47	33	129	322	223	452	166	302	36	339
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166
Pollen Sum	202	235	254	244	243	209	217	105	230	218	232	232	290	207
Pollen Concentration gr/gm or gr/wash	7700.0	3463.7	2526.3	10335.7	10675.3	14992.7	3416.4	561.1	1652.3	905.3	2533.8	1518.7	12632.6	1240.1
Taxa Richness	10	11	10	10	10	13	12	9	15	9	11	10	12	13
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	1(8)	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.8. Pollen counts from LA 85411, LA 85413, LA 85414, LA 85417, and LA 85859.

Site Number	85411	85411	85411	85413	85413	85413	85413	85414	85414	85417	85417	85417	85859	85859
Specimen Number	175	177	180	9	61	222	223	43	44	123	148	149	107	122
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	25.4	24.5	19.7	21.4	25.8	22.2	22.8	20.8	22.2	18.6	21.6	24.5	26.6	27.3
Tracers	300	408	442	32	28	262	189	108	106	900	462	262	13	10
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	21358	21358
Pollen Sum	307	232	244	276	231	262	250	218	233	228	236	247	2	1
Pollen Concentration gr/gm or gr/wash	1497.4	862.6	1041.5	14979.3	11884.5	1674.1	2156.2	3606.7	3680.0	506.2	878.9	1430.1	123.5	78.2
Taxa Richness	13	10	10	9	16	11	15	10	11	7	10	11	0	1
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Zea mays	0	0	0	0.001	3	0	0	0	0	0	4	0	0	0
Opuntia (Cylindro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opuntia (Platy)	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleome	0	0	0	0	10	10	4	0	0	0	0	0	0	0
cf. Helianthus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liliaceae	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosaceae	18	0	0	0	1	0	0	0	0	0	0	0	0	0
Eriogonum	0	0	0	0	0	0	1	0	0	0	0	2	0	0
Brassicaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	85411	85411	85411	85413	85413	85413	85413	85414	85414	85417	85417	85417	85859	85859
Specimen Number	175	177	180	9	61	222	223	43	44	123	148	149	107	122
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	25.4	24.5	19.7	21.4	25.8	22.2	22.8	20.8	22.2	18.6	21.6	24.5	26.6	27.3
Tracers	300	408	442	32	28	262	189	108	106	900	462	262	13	10
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	21358	21358
Pollen Sum	307	232	244	276	231	262	250	218	233	228	236	247	2	1
Pollen Concentration gr/gm or gr/wash	1497.4	862.6	1041.5	14979.3	11884.5	1674.1	2156.2	3606.7	3680.0	506.2	878.9	1430.1	123.5	78.2
Taxa Richness	13	10	10	9	16	11	15	10	11	7	10	11	0	1
Plantago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	14	3	36	0	13	10	19	18	4	46	18	20	0	0
Large Poaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Populus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	24	12	18	30	26	34	24	36	64	30	16	26	0	0
Fabaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Hi-Spine type	54	35	20	6	35	39	50	34	56	48	40	50	0	0
Ambrosia	2	2	2	2	1	4	1	6	0	0	2	2	0	0
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	0	0	1	0	0	0	0	0	0	0	0	0

Site Number	85411	85411	85411	85413	85413	85413	85413	85414	85414	85417	85417	85417	85859	85859
Specimen Number	175	177	180	9	61	222	223	43	44	123	148	149	107	122
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	25.4	24.5	19.7	21.4	25.8	22.2	22.8	20.8	22.2	18.6	21.6	24.5	26.6	27.3
Tracers	300	408	442	32	28	262	189	108	106	900	462	262	13	10
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	21358	21358
Pollen Sum	307	232	244	276	231	262	250	218	233	228	236	247	2	1
Pollen Concentration gr/gm or gr/wash	1497.4	862.6	1041.5	14979.3	11884.5	1674.1	2156.2	3606.7	3680.0	506.2	878.9	1430.1	123.5	78.2
Taxa Richness	13	10	10	9	16	11	15	10	11	7	10	11	0	1
Euphorbiaceae	0	0	3	0	10	8	1	0	2	0	4	10	0	0
Scrophulariaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onagraceae	0	0	0	0	0.001	0	0	0	0	0	0	0.001	0	0
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Picea	0	0	0	0	0	0	1	0	1	0	0	0	0	0
Abies	2	0	0	4	0	0	0	0	0.001	0	0	0	0	0
Pinus	62	14	56	120	22	30	41	30	16	14	42	26	0	1
Pinus edulis type	48	28	24	86	39	28	17	26	18	4	30	14	0	0
Juniperus	12	0	6	16	17	34	17	22	24	16	8	10	0	0
Quercus	12	2	10	0	0	0	2	2	1	0	0	0	0	0
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Ephedra	2	0	0	0	0	2	0	2	0	0	0	0	0	0
Artemisia	6	32	18	4	13	26	40	10	16	20	18	46	0	0
Unknown Small Artemisia	0	18	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	85411	85411	85411	85413	85413	85413	85413	85414	85414	85417	85417	85417	85859	85859
Specimen Number	175	177	180	9	61	222	223	43	44	123	148	149	107	122
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	25.4	24.5	19.7	21.4	25.8	22.2	22.8	20.8	22.2	18.6	21.6	24.5	26.6	27.3
Tracers	300	408	442	32	28	262	189	108	106	900	462	262	13	10
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	21358	21358
Pollen Sum	307	232	244	276	231	262	250	218	233	228	236	247	2	1
Pollen Concentration gr/gm or gr/wash	1497.4	862.6	1041.5	14979.3	11884.5	1674.1	2156.2	3606.7	3680.0	506.2	878.9	1430.1	123.5	78.2
Taxa Richness	13	10	10	9	16	11	15	10	11	7	10	11	0	1
Sarcobatus	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	36	66	42	8	35	28	26	32	30	44	54	34	2	0
Unknown	14	19	8	0	1	8	4	0	1	6	0	7	0	0
Total Aggregates	0	0	1	0	2	1	0	0	0	0	0	0	0	0
Cheno-Am Aggregates	0	0	0	0	1(20+)	0	0	0	0	0	0	0	0	0
Sunflower Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Aggregates	0	0	1(6)	0	1(8)	1(4)	0	0	0	0	0	0	0	0
Maize Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	85411	85411	85411	85413	85413	85413	85413	85414	85414	85417	85417	85417	85859	85859
Specimen Number	175	177	180	9	61	222	223	43	44	123	148	149	107	122
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	25.4	24.5	19.7	21.4	25.8	22.2	22.8	20.8	22.2	18.6	21.6	24.5	26.6	27.3
Tracers	300	408	442	32	28	262	189	108	106	900	462	262	13	10
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	21358	21358
Pollen Sum	307	232	244	276	231	262	250	218	233	228	236	247	2	1
Pollen Concentration gr/gm or gr/wash	1497.4	862.6	1041.5	14979.3	11884.5	1674.1	2156.2	3606.7	3680.0	506.2	878.9	1430.1	123.5	78.2
Taxa Richness	13	10	10	9	16	11	15	10	11	7	10	11	0	1
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.9. Pollen counts from LA 85859.

Site Number	85859	85859	85859	85859	85859	85859	85859	85859	85859	85859	85859	85859	85859	85859
Specimen Number	135	142	180	329	333	334	335	336	337	338	339	340	341	342
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	22.7	19.4	21.5	23.1	24.6	18.8	20.9	21.1	21.3	26.7	20.2	22.7	23.3	22.2
Tracers	380	24	273	55	12	10	240	232	46	14	40	290	6	154
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	107	1	215	3	243	2	113	114	15	3	0	138	1	88
Pollen Concentration gr/gm or gr/wash	264.9	45.9	782.3	50.4	17581.3	227.2	481.2	497.4	327.0	171.4	0.0	447.7	152.8	549.8
Taxa Richness	7	1	8	1	12	3	7	6	1	2	0	5	1	6
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zea mays	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opuntia (Cylindro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opuntia (Platy)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleome	0	0	2	0	0	0	0	4	0	0	0	0	0	0
cf. Helianthus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liliaceae	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosaceae	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Eriogonum	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brassicaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	85859	85859	85859	85859	85859	85859	85859	85859	85859	85859	85859	85859	85859	85859
Specimen Number	135	142	180	329	333	334	335	336	337	338	339	340	341	342
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	22.7	19.4	21.5	23.1	24.6	18.8	20.9	21.1	21.3	26.7	20.2	22.7	23.3	22.2
Tracers	380	24	273	55	12	10	240	232	46	14	40	290	6	154
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	107	1	215	3	243	2	113	114	15	3	0	138	1	88
Pollen Concentration gr/gm or gr/wash	264.9	45.9	782.3	50.4	17581.3	227.2	481.2	497.4	327.0	171.4	0.0	447.7	152.8	549.8
Taxa Richness	7	1	8	1	12	3	7	6	1	2	0	5	1	6
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plantago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	1	0	12	0	9	0	0	22	0	0	0	0	0	4
Large Poaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Populus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	12	0	28	0	19	2	26	18	0	2	0	22	0	6
Fabaceae	0	0	0	0	0	0.001	0	0	0	0	0	0	0	0
Asteraceae Hi-Spine type	0	0	52	0	40	0	14	16	0	0	0	10	0	12
Ambrosia	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	85859	85859	85859	85859	85859	85859	85859	85859	85859	85859	85859	85859	85859	85859
Specimen Number	135	142	180	329	333	334	335	336	337	338	339	340	341	342
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	22.7	19.4	21.5	23.1	24.6	18.8	20.9	21.1	21.3	26.7	20.2	22.7	23.3	22.2
Tracers	380	24	273	55	12	10	240	232	46	14	40	290	6	154
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	107	1	215	3	243	2	113	114	15	3	0	138	1	88
Pollen Concentration gr/gm or gr/wash	264.9	45.9	782.3	50.4	17581.3	227.2	481.2	497.4	327.0	171.4	0.0	447.7	152.8	549.8
Taxa Richness	7	1	8	1	12	3	7	6	1	2	0	5	1	6
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euphorbiaceae	0	0	0	0	1	0	4	0	0	0	0	0	0	0
Scrophulariaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onagraceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Picea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abies	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Pinus	14	1	14	0.001	131	0.001	10	0	0	0	0	2	0	0
Pinus edulis type	9	0	0	0	4	0	7	2	0	0	0	6	0	8
Juniperus	10	0	5	0	29	0	10	2	0	0	0	2	1	2
Quercus	0	0	0	0	2	0	0	0	0	0	0	0	0	0

Site Number	85859	85859	85859	85859	85859	85859	85859	85859	85859	85859	85859	85859	85859	85859
Specimen Number	135	142	180	329	333	334	335	336	337	338	339	340	341	342
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	22.7	19.4	21.5	23.1	24.6	18.8	20.9	21.1	21.3	26.7	20.2	22.7	23.3	22.2
Tracers	380	24	273	55	12	10	240	232	46	14	40	290	6	154
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	107	1	215	3	243	2	113	114	15	3	0	138	1	88
Pollen Concentration gr/gm or gr/wash	264.9	45.9	782.3	50.4	17581.3	227.2	481.2	497.4	327.0	171.4	0.0	447.7	152.8	549.8
Taxa Richness	7	1	8	1	12	3	7	6	1	2	0	5	1	6
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephedra	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Artemisia	4	0	38	0	2	0	0	0	3	1	0	0	0	2
Unknown Small Artemisia	0	0	5	0	0	0	0	0	0	0	0	0	0	0
Sarcobatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	56	0	46	3	2	0	40	48	12	0	0	96	0	50
Unknown	0	0	13	0	0	0	0	2	0	0	0	0	0	4
Total Aggregates	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Cheno-Am Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sunflower Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Aggregates	0	0	0	0	1(8)	0	0	0	0	0	0	0	0	0
Maize Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	85859	85859	85859	85859	85859	85859	85859	85859	85859	85859	85859	85859	85859	85859
Specimen Number	135	142	180	329	333	334	335	336	337	338	339	340	341	342
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	22.7	19.4	21.5	23.1	24.6	18.8	20.9	21.1	21.3	26.7	20.2	22.7	23.3	22.2
Tracers	380	24	273	55	12	10	240	232	46	14	40	290	6	154
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	107	1	215	3	243	2	113	114	15	3	0	138	1	88
Pollen Concentration gr/gm or gr/wash	264.9	45.9	782.3	50.4	17581.3	227.2	481.2	497.4	327.0	171.4	0.0	447.7	152.8	549.8
Taxa Richness	7	1	8	1	12	3	7	6	1	2	0	5	1	6
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.10. Pollen counts from LA 85859, LA 85861, LA 85864, LA 85867, and LA 85869.

Site Number	85859	85859	85859	85861	85861	85861	85864	85864	85867	85867	85867	85867	85869	85869
Specimen Number	356	357	358	173	184	195	3	8	66	75	76	77	249	252
Sample Volume	20	20	20	20	20	5	20	20	20	20	20	20	20	20
Sample Weight	20.7	18.7	22.4	20.7	17.9	8.3	16.9	15.8	22.1	22.1	24.6	22.2	22.0	22.5
Tracers	327	17	25	774	1230	634	48	126	277	90	168	32	8	10
Tracer Conc.	21358	21358	21358	37166	37166	37166	21358	21358	37166	37166	37166	37166	21358	21358
Pollen Sum	224	3	6	236	203	209	294	277	211	308	269	257	275	232
Pollen Concentration gr/gm or gr/wash	706.8	201.6	228.8	547.5	342.7	1476.1	7740.7	2971.8	1281.0	5755.2	2419.1	13445.5	33371.9	22022.5
Taxa Richness	11	1	1	8	11	10	12	9	15	10	11	17	10	7
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zea mays	0	0	0	0	0	12	0	0	0.001	0	0	0	0	0
Opuntia (Cylindro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opuntia (Platy)	0	0	0	0	0	0	0	0	0	0	0	0.001	0	0
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0.001	0	0
Cleome	0	0	0	0	2	0	0	0	3	0	1	1	0	0
cf. Helianthus	0	0	0	0	0	0	0	0	0	3	0	0.001	0	0
Liliaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	0	0	0	0	0	0.001	0	0
Rosaceae	0	0	0	2	0	0	2	0	0	0	0	2	0	0
Eriogonum	0	0	0	0	0	2	0	0	0	0	4	7	0	0
Brassicaceae	0	0	0	0	0	0	0	0	0	8	20	7	0	0
cf. Astragalus	0	0	0	0	1	0	0	0	1	43	0	9	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	85859	85859	85859	85861	85861	85861	85864	85864	85867	85867	85867	85867	85869	85869
Specimen Number	356	357	358	173	184	195	3	8	66	75	76	77	249	252
Sample Volume	20	20	20	20	20	5	20	20	20	20	20	20	20	20
Sample Weight	20.7	18.7	22.4	20.7	17.9	8.3	16.9	15.8	22.1	22.1	24.6	22.2	22.0	22.5
Tracers	327	17	25	774	1230	634	48	126	277	90	168	32	8	10
Tracer Conc.	21358	21358	21358	37166	37166	37166	21358	21358	37166	37166	37166	37166	21358	21358
Pollen Sum	224	3	6	236	203	209	294	277	211	308	269	257	275	232
Pollen Concentration gr/gm or gr/wash	706.8	201.6	228.8	547.5	342.7	1476.1	7740.7	2971.8	1281.0	5755.2	2419.1	13445.5	33371.9	22022.5
Taxa Richness	11	1	1	8	11	10	12	9	15	10	11	17	10	7
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plantago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	10	0	0	28	23	20	18	3	8	0	4	1	1	18
Large Poaceae	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Populus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Cheno-Am	30	0	0	16	36	72	14	26	43	190	104	163	11	10
Fabaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Hi-Spine type	22	0	0	40	28	24	10	8	32	30	44	39	6	16
Ambrosia	4	0	0	0	3	2	2	0	1	0	0	0	0	0
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	85859	85859	85859	85861	85861	85861	85864	85864	85867	85867	85867	85867	85869	85869
Specimen Number	356	357	358	173	184	195	3	8	66	75	76	77	249	252
Sample Volume	20	20	20	20	20	5	20	20	20	20	20	20	20	20
Sample Weight	20.7	18.7	22.4	20.7	17.9	8.3	16.9	15.8	22.1	22.1	24.6	22.2	22.0	22.5
Tracers	327	17	25	774	1230	634	48	126	277	90	168	32	8	10
Tracer Conc.	21358	21358	21358	37166	37166	37166	21358	21358	37166	37166	37166	37166	21358	21358
Pollen Sum	224	3	6	236	203	209	294	277	211	308	269	257	275	232
Pollen Concentration gr/gm or gr/wash	706.8	201.6	228.8	547.5	342.7	1476.1	7740.7	2971.8	1281.0	5755.2	2419.1	13445.5	33371.9	22022.5
Taxa Richness	11	1	1	8	11	10	12	9	15	10	11	17	10	7
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	2	0	0	0	1	0	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	0	0	4	0	4	0	0
Euphorbiaceae	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Scrophulariaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onagraceae	0	0	0	0	0	0.001	0	0	1	0	0	1	0	0
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Picea	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Abies	0	0	0	0	0	0	2	0	0	0	0	0	3	0
Pinus	58	1	0	0	2	1	70	70	15	3	6	2	44	58
Pinus edulis type	50	0	1	14	4	2	102	108	15	2	2	0	160	40
Juniperus	10	0	0	6	4	0	42	18	6	3	4	2	37	42
Quercus	0	0	0	2	0	0	8	5	2	0	0	0	1	0

Site Number	85859	85859	85859	85861	85861	85861	85864	85864	85867	85867	85867	85867	85869	85869
Specimen Number	356	357	358	173	184	195	3	8	66	75	76	77	249	252
Sample Volume	20	20	20	20	20	5	20	20	20	20	20	20	20	20
Sample Weight	20.7	18.7	22.4	20.7	17.9	8.3	16.9	15.8	22.1	22.1	24.6	22.2	22.0	22.5
Tracers	327	17	25	774	1230	634	48	126	277	90	168	32	8	10
Tracer Conc.	21358	21358	21358	37166	37166	37166	21358	21358	37166	37166	37166	37166	21358	21358
Pollen Sum	224	3	6	236	203	209	294	277	211	308	269	257	275	232
Pollen Concentration gr/gm or gr/wash	706.8	201.6	228.8	547.5	342.7	1476.1	7740.7	2971.8	1281.0	5755.2	2419.1	13445.5	33371.9	22022.5
Taxa Richness	11	1	1	8	11	10	12	9	15	10	11	17	10	7
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephedra	6	0	0	0	0	0	0	0	0	0	0	2	1	2
Artemisia	4	0	0	16	4	6	4	16	9	3	22	0	5	0
Unknown Small Artemisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sarcobatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Erodium	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	26	2	5	106	88	64	16	22	64	12	48	8	5	46
Unknown	2	0	0	6	6	4	3	0	8	1	8	2	0	0
Total Aggregates	0	0	0	0	0	0	0	0	1	6	1	7	1	0
Cheno-Am Aggregates	0	0	0	0	0	0	0	0	0	6(100+)	1(6)	4(50+)	0	0
Sunflower Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maize Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	85859	85859	85859	85861	85861	85861	85864	85864	85867	85867	85867	85867	85869	85869
Specimen Number	356	357	358	173	184	195	3	8	66	75	76	77	249	252
Sample Volume	20	20	20	20	20	5	20	20	20	20	20	20	20	20
Sample Weight	20.7	18.7	22.4	20.7	17.9	8.3	16.9	15.8	22.1	22.1	24.6	22.2	22.0	22.5
Tracers	327	17	25	774	1230	634	48	126	277	90	168	32	8	10
Tracer Conc.	21358	21358	21358	37166	37166	37166	21358	21358	37166	37166	37166	37166	21358	21358
Pollen Sum	224	3	6	236	203	209	294	277	211	308	269	257	275	232
Pollen Concentration gr/gm or gr/wash	706.8	201.6	228.8	547.5	342.7	1476.1	7740.7	2971.8	1281.0	5755.2	2419.1	13445.5	33371.9	22022.5
Taxa Richness	11	1	1	8	11	10	12	9	15	10	11	17	10	7
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	1(20+)	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	1(20+)	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	X(20+)	1(10+)	0	0
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	2(100+)	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	X(20+)	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	X(12+)	0	0
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.11. Pollen counts from LA 85869 and LA 86605.

Site Number	85869	85869	85869	85869	85869	85869	85869	85869	85869	85869	85869	86605	86605	86605
Specimen Number	254	263	271	282	287	294	307	308	314	320	329	39	44	46
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	22.3	27.3	20.5	33.0	24.5	25.6	23.2	22.4	27.5	26.6	24.1	22.5	18.1	24.5
Tracers	34	70	54	16	30	44	62	48	26	58	36	182	1104	225
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	37166	37166	37166
Pollen Sum	367	273	264	230	220	240	308	279	247	251	200	225	224	252
Pollen Concentration gr/gm or gr/wash	10338.2	3051.1	5093.5	9303.7	6392.9	4550.7	4573.3	5542.1	7378.2	3474.8	4923.5	2042.1	416.6	1699.0
Taxa Richness	10	12	8	11	9	14	7	10	10	12	8	10	13	14
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zea mays	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Opuntia (Cylindro)	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Opuntia (Platy)	0	0	0	0	0	0	0	0	0	0	0	0	2	0
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleome	0	0	0	0	0	0	0	0	0	0	0	0	3	0
cf. Helianthus	0	0	0	0	0	2	0	0	0	0	0	0	0	0
Liliaceae	0	0	0	0	0	0	0	0	0	0	0	0	8	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosaceae	0	0	0	0	0	0	4	0	1	0	1	0	0	0
Eriogonum	0	0	0	0	0	0	0	8	0	0	0	0	0	0
Brassicaceae	0	0	4	0	0	0	0	0	0	0	0	0	0	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	85869	85869	85869	85869	85869	85869	85869	85869	85869	85869	85869	86605	86605	86605
Specimen Number	254	263	271	282	287	294	307	308	314	320	329	39	44	46
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	22.3	27.3	20.5	33.0	24.5	25.6	23.2	22.4	27.5	26.6	24.1	22.5	18.1	24.5
Tracers	34	70	54	16	30	44	62	48	26	58	36	182	1104	225
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	37166	37166	37166
Pollen Sum	367	273	264	230	220	240	308	279	247	251	200	225	224	252
Pollen Concentration gr/gm or gr/wash	10338.2	3051.1	5093.5	9303.7	6392.9	4550.7	4573.3	5542.1	7378.2	3474.8	4923.5	2042.1	416.6	1699.0
Taxa Richness	10	12	8	11	9	14	7	10	10	12	8	10	13	14
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plantago	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	14	18	6	15	8	6	20	26	21	31	19	2	20	6
Large Poaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Populus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	34	10	18	14	26	10	40	54	14	22	36	22	39	19
Fabaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Hi-Spine type	30	35	18	23	80	80	76	40	52	18	15	55	60	18
Ambrosia	0	3	0	2	3	4	0	6	0	2	0	6	0	4
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	85869	85869	85869	85869	85869	85869	85869	85869	85869	85869	85869	86605	86605	86605
Specimen Number	254	263	271	282	287	294	307	308	314	320	329	39	44	46
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	22.3	27.3	20.5	33.0	24.5	25.6	23.2	22.4	27.5	26.6	24.1	22.5	18.1	24.5
Tracers	34	70	54	16	30	44	62	48	26	58	36	182	1104	225
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	37166	37166	37166
Pollen Sum	367	273	264	230	220	240	308	279	247	251	200	225	224	252
Pollen Concentration gr/gm or gr/wash	10338.2	3051.1	5093.5	9303.7	6392.9	4550.7	4573.3	5542.1	7378.2	3474.8	4923.5	2042.1	416.6	1699.0
Taxa Richness	10	12	8	11	9	14	7	10	10	12	8	10	13	14
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euphorbiaceae	0	8	0	0	0	2	0	0	0	7	0	12	2	0
Scrophulariaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onagraceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Picea	0	0	0	0	0	1	0	0	0	0	0	0	1	0
Abies	1	0	0	3	0	8	0	0	0	1	0	0	0	5
Pinus	144	24	82	82	8	26	0	10	15	56	4	34	16	91
Pinus edulis type	86	25	66	7	6	26	0	18	13	52	24	28	18	57
Juniperus	30	60	30	71	32	16	22	48	60	26	57	12	10	16
Quercus	4	5	4	2	14	1	8	1	14	9	0	6	0	1

Site Number	85869	85869	85869	85869	85869	85869	85869	85869	85869	85869	85869	86605	86605	86605
Specimen Number	254	263	271	282	287	294	307	308	314	320	329	39	44	46
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	22.3	27.3	20.5	33.0	24.5	25.6	23.2	22.4	27.5	26.6	24.1	22.5	18.1	24.5
Tracers	34	70	54	16	30	44	62	48	26	58	36	182	1104	225
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	37166	37166	37166
Pollen Sum	367	273	264	230	220	240	308	279	247	251	200	225	224	252
Pollen Concentration gr/gm or gr/wash	10338.2	3051.1	5093.5	9303.7	6392.9	4550.7	4573.3	5542.1	7378.2	3474.8	4923.5	2042.1	416.6	1699.0
Taxa Richness	10	12	8	11	9	14	7	10	10	12	8	10	13	14
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephedra	0	2	0	0	0	0	0	0	1	0	0	0	2	1
Artemisia	3	14	0	4	9	35	54	36	30	16	13	14	8	15
Unknown Small Artemisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sarcobatus	0	3	0	0	0	2	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0.001	0	0	0	0	0	0	0	0	0	0
Deteriorated	20	66	36	7	32	19	80	30	24	10	29	28	32	16
Unknown	0	0	0	0	2	2	4	2	2	0	2	6	3	0
Total Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sunflower Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maize Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	85869	85869	85869	85869	85869	85869	85869	85869	85869	85869	85869	86605	86605	86605
Specimen Number	254	263	271	282	287	294	307	308	314	320	329	39	44	46
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	22.3	27.3	20.5	33.0	24.5	25.6	23.2	22.4	27.5	26.6	24.1	22.5	18.1	24.5
Tracers	34	70	54	16	30	44	62	48	26	58	36	182	1104	225
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	37166	37166	37166
Pollen Sum	367	273	264	230	220	240	308	279	247	251	200	225	224	252
Pollen Concentration gr/gm or gr/wash	10338.2	3051.1	5093.5	9303.7	6392.9	4550.7	4573.3	5542.1	7378.2	3474.8	4923.5	2042.1	416.6	1699.0
Taxa Richness	10	12	8	11	9	14	7	10	10	12	8	10	13	14
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.12. Pollen counts from LA 86605, LA 86606, LA 86607, and LA 87430.

Site Number	86605	86605	86605	86606	86606	86606	86606	86607	86607	86607	87430	87430	87430	87430
Specimen Number	93	95	106	14	16	41	60	3	10	15	25	33	77	169
Sample Volume	20	8	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	19.1	7.1	13.5	21.6	24.2	20.8	24.6	21.1	17.9	18.6	17.0	22.5	22.0	19.0
Tracers	454	654	970	634	580	264	478	494	270	648	110	248	112	10
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	21358	21358	21358	21358
Pollen Sum	222	218	147	104	211	213	201	206	236	238	136	103	101	3
Pollen Concentration gr/gm or gr/wash	951.5	1744.9	417.2	282.3	558.7	1441.6	635.3	734.5	1814.9	733.9	1553.3	394.2	875.5	337.2
Taxa Richness	9	11	8	7	12	12	11	11	11	8	8	7	8	2
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zea mays	0	2	0	0	0	0	4	0	0	0	0	0	4	0
Opuntia (Cylindro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opuntia (Platy)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleome	13	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Helianthus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liliaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosaceae	0	0	0	0	2	10	0	2	4	2	0	0	0	0
Eriogonum	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brassicaceae	0	0	0	0	0	0	0	2	1	0	0	0	0	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	86605	86605	86605	86606	86606	86606	86606	86607	86607	86607	87430	87430	87430	87430
Specimen Number	93	95	106	14	16	41	60	3	10	15	25	33	77	169
Sample Volume	20	8	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	19.1	7.1	13.5	21.6	24.2	20.8	24.6	21.1	17.9	18.6	17.0	22.5	22.0	19.0
Tracers	454	654	970	634	580	264	478	494	270	648	110	248	112	10
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	21358	21358	21358	21358
Pollen Sum	222	218	147	104	211	213	201	206	236	238	136	103	101	3
Pollen Concentration gr/gm or gr/wash	951.5	1744.9	417.2	282.3	558.7	1441.6	635.3	734.5	1814.9	733.9	1553.3	394.2	875.5	337.2
Taxa Richness	9	11	8	7	12	12	11	11	11	8	8	7	8	2
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plantago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	2	20	6	4	18	10	18	8	14	18	16	0	19	1
Large Poaceae	0	0	0	0	0	0	0	0	0	0	0	4	0	0
Populus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Betula	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	44	60	20	6	18	18	28	30	7	32	10	6	12	0
Fabaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Hi-Spine type	80	30	19	8	12	22	26	24	55	28	18	6	10	0
Ambrosia	0	2	0	0	2	4	0	0	0	0	0	0	0	0
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	86605	86605	86605	86606	86606	86606	86606	86607	86607	86607	87430	87430	87430	87430
Specimen Number	93	95	106	14	16	41	60	3	10	15	25	33	77	169
Sample Volume	20	8	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	19.1	7.1	13.5	21.6	24.2	20.8	24.6	21.1	17.9	18.6	17.0	22.5	22.0	19.0
Tracers	454	654	970	634	580	264	478	494	270	648	110	248	112	10
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	21358	21358	21358	21358
Pollen Sum	222	218	147	104	211	213	201	206	236	238	136	103	101	3
Pollen Concentration gr/gm or gr/wash	951.5	1744.9	417.2	282.3	558.7	1441.6	635.3	734.5	1814.9	733.9	1553.3	394.2	875.5	337.2
Taxa Richness	9	11	8	7	12	12	11	11	11	8	8	7	8	2
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euphorbiaceae	0	0	0	0	0	0	0	0	0	0	6	0	0	0
Scrophulariaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onagraceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Picea	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Abies	0	0	0	0	2	0	2	2	0	0	0	1	0	0
Pinus	10	2	30	40	80	74	60	80	58	82	8	20	6	0
Pinus edulis type	10	16	14	4	12	30	10	24	22	4	50	16	3	0
Juniperus	2	10	4	2	14	14	10	16	8	12	6	0	10	0
Quercus	0	1	4	0	4	2	4	8	12	0	0	0	0	0
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	86605	86605	86605	86606	86606	86606	86606	86607	86607	86607	87430	87430	87430	87430
Specimen Number	93	95	106	14	16	41	60	3	10	15	25	33	77	169
Sample Volume	20	8	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	19.1	7.1	13.5	21.6	24.2	20.8	24.6	21.1	17.9	18.6	17.0	22.5	22.0	19.0
Tracers	454	654	970	634	580	264	478	494	270	648	110	248	112	10
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	21358	21358	21358	21358
Pollen Sum	222	218	147	104	211	213	201	206	236	238	136	103	101	3
Pollen Concentration gr/gm or gr/wash	951.5	1744.9	417.2	282.3	558.7	1441.6	635.3	734.5	1814.9	733.9	1553.3	394.2	875.5	337.2
Taxa Richness	9	11	8	7	12	12	11	11	11	8	8	7	8	2
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephedra	2	0	0	0	0	2	0	0	2	4	0	0	1	0
Artemisia	19	10	4	2	12	8	2	10	35	0	4	8	0	1
Unknown Small Artemisia	0	10	0	0	0	0	0	0	0	0	0	0	0	0
Sarcobatus	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	36	52	28	26	26	14	26	0	14	54	14	42	35	1
Unknown	4	3	18	12	8	4	10	0	4	2	4	0	1	0
Total Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sunflower Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maize Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	86605	86605	86605	86606	86606	86606	86606	86607	86607	86607	87430	87430	87430	87430
Specimen Number	93	95	106	14	16	41	60	3	10	15	25	33	77	169
Sample Volume	20	8	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	19.1	7.1	13.5	21.6	24.2	20.8	24.6	21.1	17.9	18.6	17.0	22.5	22.0	19.0
Tracers	454	654	970	634	580	264	478	494	270	648	110	248	112	10
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	21358	21358	21358	21358
Pollen Sum	222	218	147	104	211	213	201	206	236	238	136	103	101	3
Pollen Concentration gr/gm or gr/wash	951.5	1744.9	417.2	282.3	558.7	1441.6	635.3	734.5	1814.9	733.9	1553.3	394.2	875.5	337.2
Taxa Richness	9	11	8	7	12	12	11	11	11	8	8	7	8	2
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.13. Pollen counts from LA 87430, LA 99396, and LA 99397.

Site Number	87430	99396	99396	99396	99396	99396	99396	99396	99396	99396	99396	99397	99397	99397
Specimen Number	178	411	439	450	506	532	555	562	615	676	769	294	299	300
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	18.8	23.7	25.6	27.3	28.5	25.6	23.2	22.1	25.5	23.8	23.4	24.9	24.9	19.9
Tracers	34	42	18	176	48	39	84	182	50	136	164	265	212	364
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	210	352	209	230	214	228	212	219	2	125	231	231	201	239
Pollen Concentration gr/gm or gr/wash	7016.9	7552.8	9687.1	1022.4	3341.1	4877.4	2323.4	1162.9	33.5	824.8	1285.6	747.7	813.2	704.7
Taxa Richness	12	11	9	11	14	8	7	10	0	8	12	13	8	12
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zea mays	10	0	0	0	0	0	0	0	0	0	0	1	0	0
Opuntia (Cylindro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opuntia (Platy)	0	0	0	0	5	0	0	0	0	0	0	0	0	0
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleome	4	0	0	0	0	0	0	0	0	0	0	0	0	1
cf. Helianthus	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Liliaceae	0	0	0	0	0	2	0	0	0	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosaceae	0	0	0	0	0	0	0	1	0	0	2	0	1	0
Eriogonum	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Brassicaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	87430	99396	99396	99396	99396	99396	99396	99396	99396	99396	99396	99397	99397	99397
Specimen Number	178	411	439	450	506	532	555	562	615	676	769	294	299	300
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	18.8	23.7	25.6	27.3	28.5	25.6	23.2	22.1	25.5	23.8	23.4	24.9	24.9	19.9
Tracers	34	42	18	176	48	39	84	182	50	136	164	265	212	364
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	210	352	209	230	214	228	212	219	2	125	231	231	201	239
Pollen Concentration gr/gm or gr/wash	7016.9	7552.8	9687.1	1022.4	3341.1	4877.4	2323.4	1162.9	33.5	824.8	1285.6	747.7	813.2	704.7
Taxa Richness	12	11	9	11	14	8	7	10	0	8	12	13	8	12
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plantago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	17	7	10	16	20	17	0	6	0	8	4	12	0	20
Large Poaceae	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Populus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Betula	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	38	39	39	22	17	26	54	24	0	18	10	20	25	16
Fabaceae	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Hi-Spine type	8	60	52	60	67	87	38	42	0	38	38	48	28	62
Ambrosia	0	2	1	8	1	0	4	0	0	0	0	0	0	3
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	87430	99396	99396	99396	99396	99396	99396	99396	99396	99396	99396	99397	99397	99397
Specimen Number	178	411	439	450	506	532	555	562	615	676	769	294	299	300
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	18.8	23.7	25.6	27.3	28.5	25.6	23.2	22.1	25.5	23.8	23.4	24.9	24.9	19.9
Tracers	34	42	18	176	48	39	84	182	50	136	164	265	212	364
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	210	352	209	230	214	228	212	219	2	125	231	231	201	239
Pollen Concentration gr/gm or gr/wash	7016.9	7552.8	9687.1	1022.4	3341.1	4877.4	2323.4	1162.9	33.5	824.8	1285.6	747.7	813.2	704.7
Taxa Richness	12	11	9	11	14	8	7	10	0	8	12	13	8	12
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	1	0	0	0	0	0	0	4	0	1
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euphorbiaceae	5	0	0	0	0	0	0	10	0	2	0	1	5	6
Scrophulariaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onagraceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Picea	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Abies	0	0	0	0	1	0	0	0	0	0	1	0	0	0
Pinus	6	106	11	26	23	0	16	15	0	10	56	26	16	5
Pinus edulis type	20	90	11	18	4	4	14	5	0	8	36	16	38	2
Juniperus	10	26	49	20	12	20	10	8	0	2	14	8	20	16
Quercus	0	3	0	1	1	0	0	0	0	0	4	0	0	0

Site Number	87430	99396	99396	99396	99396	99396	99396	99396	99396	99396	99396	99397	99397	99397
Specimen Number	178	411	439	450	506	532	555	562	615	676	769	294	299	300
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	18.8	23.7	25.6	27.3	28.5	25.6	23.2	22.1	25.5	23.8	23.4	24.9	24.9	19.9
Tracers	34	42	18	176	48	39	84	182	50	136	164	265	212	364
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	210	352	209	230	214	228	212	219	2	125	231	231	201	239
Pollen Concentration gr/gm or gr/wash	7016.9	7552.8	9687.1	1022.4	3341.1	4877.4	2323.4	1162.9	33.5	824.8	1285.6	747.7	813.2	704.7
Taxa Richness	12	11	9	11	14	8	7	10	0	8	12	13	8	12
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	1	0	0	0	0	0	0	1	0	0
Ephedra	0	3	1	2	1	1	0	2	0	0	2	0	0	3
Artemisia	23	10	9	19	26	28	34	30	0	0	22	22	20	12
Unknown Small Artemisia	0	0	0	3	0	0	0	0	0	0	14	0	0	0
Sarcobatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	60	4	26	34	31	42	42	74	2	38	24	62	48	88
Unknown	3	1	0	0	2	1	0	2	0	0	4	8	0	3
Total Aggregates	1	0	0	1	1	0	0	0	0	0	0	0	0	1
Cheno-Am Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sunflower Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	1(12)
Grass Aggregates	0	0	0	1(10)	1(8)	0	0	0	0	0	0	0	0	0
Maize Aggregates	X(6)	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	87430	99396	99396	99396	99396	99396	99396	99396	99396	99396	99396	99397	99397	99397
Specimen Number	178	411	439	450	506	532	555	562	615	676	769	294	299	300
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	18.8	23.7	25.6	27.3	28.5	25.6	23.2	22.1	25.5	23.8	23.4	24.9	24.9	19.9
Tracers	34	42	18	176	48	39	84	182	50	136	164	265	212	364
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	210	352	209	230	214	228	212	219	2	125	231	231	201	239
Pollen Concentration gr/gm or gr/wash	7016.9	7552.8	9687.1	1022.4	3341.1	4877.4	2323.4	1162.9	33.5	824.8	1285.6	747.7	813.2	704.7
Taxa Richness	12	11	9	11	14	8	7	10	0	8	12	13	8	12
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	1(50+)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.14. Pollen counts from LA 99397 and LA 127627.

Site Number	99397	99397	99397	99397	99397	99397	99397	99397	99397	99397	127627	127627	127627	127627
Specimen Number	309	310	311	312	317	318	319	320	332	333	8	66	67	69
Sample Volume	20	20	20	20	20	20	20	20	20	20	4	20	20	10
Sample Weight	33.8	28.2	22.7	22.3	23.7	24.4	27.5	27.5	24.9	25.8	4.3	23.0	24.3	10.0
Tracers	18	274	40	63	8	9	100	254	246	86	112	206	65	460
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	37166	37166	37166	37166
Pollen Sum	268	246	5	7	223	202	4	114	100	7	4	218	8	109
Pollen Concentration gr/gm or gr/wash	9408.2	680.0	117.6	106.4	25120.4	19646.2	31.1	348.6	348.7	67.4	308.7	1710.0	188.2	880.7
Taxa Richness	15	10	3	4	11	11	2	5	6	0	2	11	3	9
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zea mays	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opuntia (Cylindro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opuntia (Platy)	0	0	0	0	0.001	0	0	0	0	0	0	0	0	0
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleome	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Helianthus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liliaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosaceae	0	0	0	0	1	0	0	0	0	0	0	2	0	0
Eriogonum	0	0	0	0	0	0	0	0	0	0	0	2	0	0
Brassicaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	99397	99397	99397	99397	99397	99397	99397	99397	99397	99397	127627	127627	127627	127627
Specimen Number	309	310	311	312	317	318	319	320	332	333	8	66	67	69
Sample Volume	20	20	20	20	20	20	20	20	20	20	4	20	20	10
Sample Weight	33.8	28.2	22.7	22.3	23.7	24.4	27.5	27.5	24.9	25.8	4.3	23.0	24.3	10.0
Tracers	18	274	40	63	8	9	100	254	246	86	112	206	65	460
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	37166	37166	37166	37166
Pollen Sum	268	246	5	7	223	202	4	114	100	7	4	218	8	109
Pollen Concentration gr/gm or gr/wash	9408.2	680.0	117.6	106.4	25120.4	19646.2	31.1	348.6	348.7	67.4	308.7	1710.0	188.2	880.7
Taxa Richness	15	10	3	4	11	11	2	5	6	0	2	11	3	9
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plantago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	7	6	0	0	2	2	0	0	8	0	0	10	1	6
Large Poaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Populus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	15	38	0	1	14	22	0	2	0	0	1	8	1	8
Fabaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Hi-Spine type	19	70	1	4	8	14	0	14	18	0	0	6	0	2
Ambrosia	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	99397	99397	99397	99397	99397	99397	99397	99397	99397	99397	127627	127627	127627	127627
Specimen Number	309	310	311	312	317	318	319	320	332	333	8	66	67	69
Sample Volume	20	20	20	20	20	20	20	20	20	20	4	20	20	10
Sample Weight	33.8	28.2	22.7	22.3	23.7	24.4	27.5	27.5	24.9	25.8	4.3	23.0	24.3	10.0
Tracers	18	274	40	63	8	9	100	254	246	86	112	206	65	460
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	37166	37166	37166	37166
Pollen Sum	268	246	5	7	223	202	4	114	100	7	4	218	8	109
Pollen Concentration gr/gm or gr/wash	9408.2	680.0	117.6	106.4	25120.4	19646.2	31.1	348.6	348.7	67.4	308.7	1710.0	188.2	880.7
Taxa Richness	15	10	3	4	11	11	2	5	6	0	2	11	3	9
Unknown Asteraceae Low-Spine type cf. Iva	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euphorbiaceae	3	5	0	0	0	1	0	0	0	0	0	0	0	1
Scrophulariaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onagraceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Picea	1	0	0	0	0	0	0	0	0	0	0	4	0	0
Abies	1	1	0	0	1	1	0	0	0	0	0	0	0	0
Pinus	74	28	1	1	100	42	2	12	10	0	3	104	0	42
Pinus edulis type	47	26	1	0	54	76	2	26	6	0	0	44	0	35
Juniperus	72	10	0	1	30	29	0	0	3	0	0	2	1	1
Quercus	5	6	0	0	1	2	0	0	0	0	0	4	0	2
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	99397	99397	99397	99397	99397	99397	99397	99397	99397	99397	127627	127627	127627	127627
Specimen Number	309	310	311	312	317	318	319	320	332	333	8	66	67	69
Sample Volume	20	20	20	20	20	20	20	20	20	20	4	20	20	10
Sample Weight	33.8	28.2	22.7	22.3	23.7	24.4	27.5	27.5	24.9	25.8	4.3	23.0	24.3	10.0
Tracers	18	274	40	63	8	9	100	254	246	86	112	206	65	460
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	37166	37166	37166	37166
Pollen Sum	268	246	5	7	223	202	4	114	100	7	4	218	8	109
Pollen Concentration gr/gm or gr/wash	9408.2	680.0	117.6	106.4	25120.4	19646.2	31.1	348.6	348.7	67.4	308.7	1710.0	188.2	880.7
Taxa Richness	15	10	3	4	11	11	2	5	6	0	2	11	3	9
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephedra	2	0	0	0	0	2	0	0	0	0	0	0	0	0
Artemisia	7	10	0	0	8	4	0	4	5	0	0	20	0	1
Unknown Small Artemisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sarcobatus	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	9	40	2	0	1	7	0	54	50	7	0	10	5	7
Unknown	1	6	0	0	1	0	0	2	0	0	0	0	0	4
Total Aggregates	0	0	0	0	2	0	0	0	0	0	0	2	0	0
Cheno-Am Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sunflower Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Aggregates	0	0	0	0	X(1000+)	0	0	0	0	0	0	0	0	0
Maize Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	99397	99397	99397	99397	99397	99397	99397	99397	99397	99397	127627	127627	127627	127627
Specimen Number	309	310	311	312	317	318	319	320	332	333	8	66	67	69
Sample Volume	20	20	20	20	20	20	20	20	20	20	4	20	20	10
Sample Weight	33.8	28.2	22.7	22.3	23.7	24.4	27.5	27.5	24.9	25.8	4.3	23.0	24.3	10.0
Tracers	18	274	40	63	8	9	100	254	246	86	112	206	65	460
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	37166	37166	37166	37166
Pollen Sum	268	246	5	7	223	202	4	114	100	7	4	218	8	109
Pollen Concentration gr/gm or gr/wash	9408.2	680.0	117.6	106.4	25120.4	19646.2	31.1	348.6	348.7	67.4	308.7	1710.0	188.2	880.7
Taxa Richness	15	10	3	4	11	11	2	5	6	0	2	11	3	9
Pine Aggregates	0	0	0	0	2(10)	0	0	0	0	0	0	2(100+)	0	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.15. Pollen counts from LA 127627, LA 127633, LA 127634, and LA 127635.

Site Number	127627	127627	127633	127633	127633	127633	127633	127634	127634	127634	127634	127634	127634	127635
Specimen Number	71	89	3	7	11	12	13	40	46	52	72	104	116	42
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	22.7	26.6	24.5	25.7	25.6	26.4	23.1	25.1	23.1	24.4	25.0	24.6	25.7	18.8
Tracers	30	94	126	860	1628	544	122	90	74	60	62	10	22	376
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	21358	21358	21358	21358	21358	21358	37166
Pollen Sum	234	204	219	210	163	200	278	290	238	243	257	2	284	160
Pollen Concentration gr/gm or gr/wash	12770.7	3032.3	2636.7	353.1	145.4	517.6	3666.2	2741.8	2973.7	3545.1	3541.3	173.6	10728.1	841.2
Taxa Richness	11	11	8	12	12	11	9	11	14	13	9	0	10	9
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zea mays	0	0	0	0	0	0	0	2	0.001	2	0	0	3	0
Opuntia (Cylindro)	0	0	0	0	0	0	0	0	0	0	0.001	0	0	0
Opuntia (Platy)	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleome	0	0	0	0	0	0	0	0	0	1	0	0	0	0
cf. Helianthus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liliaceae	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosaceae	0	0	0	0	0	0	2	0	2	0	0	0	1	3
Eriogonum	0	0	0	0	8	0	0	2	0	4	0	0	0	0
Brassicaceae	0	0	0	0	2	0	0	0	0	0	0	0	8	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	127627	127627	127633	127633	127633	127633	127633	127634	127634	127634	127634	127634	127634	127635
Specimen Number	71	89	3	7	11	12	13	40	46	52	72	104	116	42
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	22.7	26.6	24.5	25.7	25.6	26.4	23.1	25.1	23.1	24.4	25.0	24.6	25.7	18.8
Tracers	30	94	126	860	1628	544	122	90	74	60	62	10	22	376
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	21358	21358	21358	21358	21358	21358	37166
Pollen Sum	234	204	219	210	163	200	278	290	238	243	257	2	284	160
Pollen Concentration gr/gm or gr/wash	12770.7	3032.3	2636.7	353.1	145.4	517.6	3666.2	2741.8	2973.7	3545.1	3541.3	173.6	10728.1	841.2
Taxa Richness	11	11	8	12	12	11	9	11	14	13	9	0	10	9
Plantago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	3	0	4	10	6	8	18	8	16	16	0	0	18	8
Large Poaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Populus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	2	3	6	12	16	14	18	140	28	26	8	0	32	20
Fabaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Hi-Spine type	1	3	4	6	4	18	8	10	22	16	6	0	32	50
Ambrosia	0	1	0	2	0	0	0	0	2	8	2	0	6	0
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	127627	127627	127633	127633	127633	127633	127633	127634	127634	127634	127634	127634	127634	127635
Specimen Number	71	89	3	7	11	12	13	40	46	52	72	104	116	42
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	22.7	26.6	24.5	25.7	25.6	26.4	23.1	25.1	23.1	24.4	25.0	24.6	25.7	18.8
Tracers	30	94	126	860	1628	544	122	90	74	60	62	10	22	376
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	21358	21358	21358	21358	21358	21358	37166
Pollen Sum	234	204	219	210	163	200	278	290	238	243	257	2	284	160
Pollen Concentration gr/gm or gr/wash	12770.7	3032.3	2636.7	353.1	145.4	517.6	3666.2	2741.8	2973.7	3545.1	3541.3	173.6	10728.1	841.2
Taxa Richness	11	11	8	12	12	11	9	11	14	13	9	0	10	9
Euphorbiaceae	1	0	0	0	0	2	0	2	0	8	0	0	0	10
Scrophulariaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onagraceae	0	0	0	0	0	0	0	0	0.001	0	0	0	0	2
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Picea	2	1	0	1	0	0	0	0	0	0	1	0	0	0
Abies	2	0	1	2	2	2	3	2	0	2	0.001	0	0	0
Pinus	186	151	158	98	60	94	140	62	22	40	64	0	32	6
Pinus edulis type	32	31	36	50	32	44	60	34	40	50	160	0	32	4
Juniperus	1	2	5	10	5	8	12	0	2	2	4	0	0	0
Quercus	1	2	3	0	2	1	0	0	0	0	0	0	0	0
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fraxinus	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Ephedra	0	1	0	2	0	4	0	2	0	0	0	0	0	0
Artemisia	0	4	0	4	2	2	6	8	35	16	0	0	78	4
Unknown Small Artemisia	0	0	0	0	0	0	0	0	22	0	0	0	0	0

Site Number	127627	127627	127633	127633	127633	127633	127633	127634	127634	127634	127634	127634	127634	127635
Specimen Number	71	89	3	7	11	12	13	40	46	52	72	104	116	42
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	22.7	26.6	24.5	25.7	25.6	26.4	23.1	25.1	23.1	24.4	25.0	24.6	25.7	18.8
Tracers	30	94	126	860	1628	544	122	90	74	60	62	10	22	376
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	21358	21358	21358	21358	21358	21358	37166
Pollen Sum	234	204	219	210	163	200	278	290	238	243	257	2	284	160
Pollen Concentration gr/gm or gr/wash	12770.7	3032.3	2636.7	353.1	145.4	517.6	3666.2	2741.8	2973.7	3545.1	3541.3	173.6	10728.1	841.2
Taxa Richness	11	11	8	12	12	11	9	11	14	13	9	0	10	9
Sarcobatus	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	2	3	0	12	18	2	10	10	30	42	6	2	22	42
Unknown	0	1	0	0	5	0	0	4	14	10	4	0	15	11
Total Aggregates	0	0	2	0	0	1	1	4	1	0	2	0	5	0
Cheno-Am Aggregates	0	0	0	0	0	0	0	3(6)	1(10)	0	0	0	0	0
Sunflower Family Aggregates	0	0	0	0	0	0	0	1(8)	0	0	0	0	0	0
Grass Aggregates	0	0	0	0	0	1(12)	0	0	0	0	0	0	0	0
Maize Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	0	2(25+)	0	0	0	1(10+)	0	0	0	2(20+)	0	0	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	5(30+)	0

Site Number	127627	127627	127633	127633	127633	127633	127633	127634	127634	127634	127634	127634	127634	127635
Specimen Number	71	89	3	7	11	12	13	40	46	52	72	104	116	42
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	22.7	26.6	24.5	25.7	25.6	26.4	23.1	25.1	23.1	24.4	25.0	24.6	25.7	18.8
Tracers	30	94	126	860	1628	544	122	90	74	60	62	10	22	376
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	21358	21358	21358	21358	21358	21358	37166
Pollen Sum	234	204	219	210	163	200	278	290	238	243	257	2	284	160
Pollen Concentration gr/gm or gr/wash	12770.7	3032.3	2636.7	353.1	145.4	517.6	3666.2	2741.8	2973.7	3545.1	3541.3	173.6	10728.1	841.2
Taxa Richness	11	11	8	12	12	11	9	11	14	13	9	0	10	9
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.16. Pollen counts from LA 127635, LA 135291, and LA 135292.

Site Number	127635	127635	127635	127635	135291	135291	135291	135291	135292	135292	135292
Specimen Number	109	117	134	136	11	31	57	62	78	84	88
Sample Volume	20	11	4	20	20	20	20	20	20	20	20
Sample Weight	19.7	13.5	6.6	20.1	24.0	21.6	23.4	20.1	25.3	21.6	26.2
Tracers	6	43	232	296	224	290	206	320	195	348	230
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166
Pollen Sum	2	5	211	117	248	255	229.001	216	207	247	215
Pollen Concentration gr/gm or gr/wash	628.9	320.1	5121.5	730.9	1714.5	1513.0	1765.6	1248.1	1559.4	1221.3	1326.0
Taxa Richness	0	2	9	12	12	12	13	10	14	9	10
Gossypium	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	0	0	0	0	0	0	0	0	0	0
Zea mays	0	0	2	2	0	2	0	0	1	0	0
Opuntia (Cylindro)	0	0	0	0	0	0	0	0	0	0	0
Opuntia (Platy)	0	0	0	0	0	0	0	0	0	0	0
Cactaceae	0	0	0	0	0	0	0	0	0	0	0
Cleome	0	0	0	0	0	0	0	0	5	4	6
cf. Helianthus	0	0	0	0	0	0	0	0	0	0	0
Liliaceae	0	0	0	0	0	0	0	0	3	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	0	0	0	0	0
Rosaceae	0	0	1	0	0	1	0	0	1	0	2
Eriogonum	0	0	0	0	0	4	0	2	0	0	0
Brassicaceae	0	0	0	0	1	0	0	0	0	0	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0

Site Number	127635	127635	127635	127635	135291	135291	135291	135291	135292	135292	135292
Specimen Number	109	117	134	136	11	31	57	62	78	84	88
Sample Volume	20	11	4	20	20	20	20	20	20	20	20
Sample Weight	19.7	13.5	6.6	20.1	24.0	21.6	23.4	20.1	25.3	21.6	26.2
Tracers	6	43	232	296	224	290	206	320	195	348	230
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166
Pollen Sum	2	5	211	117	248	255	229.001	216	207	247	215
Pollen Concentration gr/gm or gr/wash	628.9	320.1	5121.5	730.9	1714.5	1513.0	1765.6	1248.1	1559.4	1221.3	1326.0
Taxa Richness	0	2	9	12	12	12	13	10	14	9	10
Plantago	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0
Poaceae	0	0	4	2	8	16	22	18	9	10	8
Large Poaceae	0	0	0	0	0	0	0	0	0	0	0
Populus	0	0	0	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0
Betula	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	0	2	6	6	90	40	23	20	34	36	26
Fabaceae	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Hi-Spine type	0	0	10	12	30	34	16	24	44	38	48
Ambrosia	0	0	0	4	6	0	4	6	3	4	0
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	2	0	0	0	0

Site Number	127635	127635	127635	127635	135291	135291	135291	135291	135292	135292	135292
Specimen Number	109	117	134	136	11	31	57	62	78	84	88
Sample Volume	20	11	4	20	20	20	20	20	20	20	20
Sample Weight	19.7	13.5	6.6	20.1	24.0	21.6	23.4	20.1	25.3	21.6	26.2
Tracers	6	43	232	296	224	290	206	320	195	348	230
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166
Pollen Sum	2	5	211	117	248	255	229.001	216	207	247	215
Pollen Concentration gr/gm or gr/wash	628.9	320.1	5121.5	730.9	1714.5	1513.0	1765.6	1248.1	1559.4	1221.3	1326.0
Taxa Richness	0	2	9	12	12	12	13	10	14	9	10
Euphorbiaceae	0	0	0	0	0	2	2	0	1	4	0
Scrophulariaceae	0	0	0	0	0	0	0	0	0	0	0
Onagraceae	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0
Picea	0	0	0	1	0	0	0	0	0	0	0
Abies	0	0	0	2	1	0	0.001	0	0	0	0
Pinus	0	1	86	20	46	46	44	30	6	6	4
Pinus edulis type	0	0	80	14	14	32	18	26	2	0	8
Juniperus	0	0	14	0	4	10	8	14	8	0	10
Quercus	0	0	0	2	2	0	1	0	1	2	0
Rhus type	0	0	0	0	0	0	0	0	0	0	0
Fraxinus	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0
Ephedra	0	0	0	2	2	6	6	2	0	0	0
Artemisia	0	0	4	6	16	10	12	10	18	30	26
Unknown Small Artemisia	0	0	0	0	0	0	6	0	0	0	10

Site Number	127635	127635	127635	127635	135291	135291	135291	135291	135292	135292	135292
Specimen Number	109	117	134	136	11	31	57	62	78	84	88
Sample Volume	20	11	4	20	20	20	20	20	20	20	20
Sample Weight	19.7	13.5	6.6	20.1	24.0	21.6	23.4	20.1	25.3	21.6	26.2
Tracers	6	43	232	296	224	290	206	320	195	348	230
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166
Pollen Sum	2	5	211	117	248	255	229.001	216	207	247	215
Pollen Concentration gr/gm or gr/wash	628.9	320.1	5121.5	730.9	1714.5	1513.0	1765.6	1248.1	1559.4	1221.3	1326.0
Taxa Richness	0	2	9	12	12	12	13	10	14	9	10
Sarcobatus	0	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0
Erodium	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	2	2	4	38	20	44	52	54	63	108	58
Unknown	0	0	0	6	8	8	12	10	8	5	9
Total Aggregates	0	0	0	0	0	0	1	0	0	0	0
Cheno-Am Aggregates	0	0	0	0	0	0	0	0	0	0	0
Sunflower Family Aggregates	0	0	0	0	0	0	0	0	0	0	0
Grass Aggregates	0	0	0	0	0	0	1(6)	0	0	0	0
Maize Aggregates	0	0	0	0	0	0	0	0	0	0	0
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	0	0	0	0	0	0	0	0	0	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0

Site Number	127635	127635	127635	127635	135291	135291	135291	135291	135292	135292	135292
Specimen Number	109	117	134	136	11	31	57	62	78	84	88
Sample Volume	20	11	4	20	20	20	20	20	20	20	20
Sample Weight	19.7	13.5	6.6	20.1	24.0	21.6	23.4	20.1	25.3	21.6	26.2
Tracers	6	43	232	296	224	290	206	320	195	348	230
Tracer Conc.	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166	37166
Pollen Sum	2	5	211	117	248	255	229.001	216	207	247	215
Pollen Concentration gr/gm or gr/wash	628.9	320.1	5121.5	730.9	1714.5	1513.0	1765.6	1248.1	1559.4	1221.3	1326.0
Taxa Richness	0	2	9	12	12	12	13	10	14	9	10
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0

Table Y.17. Pollen counts from LA 12587.

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	631	642	657	694	707	880	1038	1063	1251	1258	1484	1486	1492	1590
Sample Volume	20	20	20	20	20	20	20	20	15	20	20	12	20	20
Sample Weight	37.2	29.7	29.1	27.7	27.3	24.5	24.8	27.9	16.4	21.8	27.8	10.4	25.0	21.5
Tracers	12	23	20	10	11	8	12	46	78	26	178	185	60	20
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	576	316	315	243	230	208	230	224	263	269	213	206	491	325
Pollen Concentration gr/gm or gr/wash	27558.7	9880.1	11559.7	18736.4	16358.1	22665.6	16506.5	3727.7	4391.1	10136.4	919.3	2286.8	6991.2	16142.7
Taxa Richness	14	11	9	11	10	9	8	11	14	11	7	8	10	11
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	0	0	0	0	0	0.001	0	0	0	0	0	0	0
Zea mays	0	0	4	0	0	0	2	2	23	0	0	2	0	2
Opuntia (Cylindro)	0	0	0	0	0	0.001	0	0	0.001	0	0	0	0	0
Opuntia (Platy)	0	1	0.001	1	0	0.001	0	2	5	0.001	0	0	0.001	1
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleome	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Helianthus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liliaceae	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosaceae	6	0	0	0	0	1	0	0	0	0	0	0	0	0
Eriogonum	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brassicaceae	0	0	0	0	0	0	0	0	0	0	0	0	2	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	631	642	657	694	707	880	1038	1063	1251	1258	1484	1486	1492	1590
Sample Volume	20	20	20	20	20	20	20	20	15	20	20	12	20	20
Sample Weight	37.2	29.7	29.1	27.7	27.3	24.5	24.8	27.9	16.4	21.8	27.8	10.4	25.0	21.5
Tracers	12	23	20	10	11	8	12	46	78	26	178	185	60	20
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	576	316	315	243	230	208	230	224	263	269	213	206	491	325
Pollen Concentration gr/gm or gr/wash	27558.7	9880.1	11559.7	18736.4	16358.1	22665.6	16506.5	3727.7	4391.1	10136.4	919.3	2286.8	6991.2	16142.7
Taxa Richness	14	11	9	11	10	9	8	11	14	11	7	8	10	11
Plantago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	0	1	0	1	1	0	0	4	1	8	10	3	0	14
Large Poaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Populus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	60	113	176	24	106	126	142	76	112	94	104	100	132	144
Fabaceae	0	0	0	0	0	0	0	0	2	0	0	0	0	0
Asteraceae Hi-Spine type	28	47	28	2	27	30	43	16	22	42	28	30	56	68
Ambrosia	6	0	4	1	0	0	0	0	0	0	2	0	0	0
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	631	642	657	694	707	880	1038	1063	1251	1258	1484	1486	1492	1590
Sample Volume	20	20	20	20	20	20	20	20	15	20	20	12	20	20
Sample Weight	37.2	29.7	29.1	27.7	27.3	24.5	24.8	27.9	16.4	21.8	27.8	10.4	25.0	21.5
Tracers	12	23	20	10	11	8	12	46	78	26	178	185	60	20
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	576	316	315	243	230	208	230	224	263	269	213	206	491	325
Pollen Concentration gr/gm or gr/wash	27558.7	9880.1	11559.7	18736.4	16358.1	22665.6	16506.5	3727.7	4391.1	10136.4	919.3	2286.8	6991.2	16142.7
Taxa Richness	14	11	9	11	10	9	8	11	14	11	7	8	10	11
Euphorbiaceae	10	7	0	2	3	0	11	0	2	2	2	0	2	4
Scrophulariaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onagraceae	0.001	0	0	0	0	0	0	2	0	0	0	0	0	0
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0.001	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Picea	4	1	0	1	0	0	0	0	0	0	0	0	0	0
Abies	8	2	0	1	0	0	0	0	1	2	0	0	0	0
Pinus	266	50	42	159	29	14	5	28	53	28	16	16	170	20
Pinus edulis type	112	46	44	29	13	10	9	58	8	24	25	18	78	4
Juniperus	22	13	2	14	8	0	0	2	4	8	0	3	2	6
Quercus	6	0	0	0	0	0	0	0	0	0	0	0	0	2
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephedra	2	0	0	0	1	1	0	4	0	2	0	0	0	0
Artemisia	34	18	10	0	6	3	2	2	3	4	0	2	24	8
Unknown Small Artemisia	0	0	0	0	0	0	0	0	0	0	0	0	3	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	631	642	657	694	707	880	1038	1063	1251	1258	1484	1486	1492	1590
Sample Volume	20	20	20	20	20	20	20	20	15	20	20	12	20	20
Sample Weight	37.2	29.7	29.1	27.7	27.3	24.5	24.8	27.9	16.4	21.8	27.8	10.4	25.0	21.5
Tracers	12	23	20	10	11	8	12	46	78	26	178	185	60	20
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	576	316	315	243	230	208	230	224	263	269	213	206	491	325
Pollen Concentration gr/gm or gr/wash	27558.7	9880.1	11559.7	18736.4	16358.1	22665.6	16506.5	3727.7	4391.1	10136.4	919.3	2286.8	6991.2	16142.7
Taxa Richness	14	11	9	11	10	9	8	11	14	11	7	8	10	11
Sarcobatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	12	15	4	5	28	20	13	22	14	52	24	30	14	38
Unknown	0	0	1	3	8	2	3	4	8	3	2	1	5	14
Total Aggregates	0	2	0	0	0	1	0	2	4	0	0	1	3	0
Cheno-Am Aggregates	0	2(12)	0	0	0	1(4)	0	2(100+)	4(20+)	0	0	1(6)	3(100+)	0
Sunflower Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maize Aggregates	0	0	0	0	0	0	0	0	X(6)	0	0	0	0	0
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	631	642	657	694	707	880	1038	1063	1251	1258	1484	1486	1492	1590
Sample Volume	20	20	20	20	20	20	20	20	15	20	20	12	20	20
Sample Weight	37.2	29.7	29.1	27.7	27.3	24.5	24.8	27.9	16.4	21.8	27.8	10.4	25.0	21.5
Tracers	12	23	20	10	11	8	12	46	78	26	178	185	60	20
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	576	316	315	243	230	208	230	224	263	269	213	206	491	325
Pollen Concentration gr/gm or gr/wash	27558.7	9880.1	11559.7	18736.4	16358.1	22665.6	16506.5	3727.7	4391.1	10136.4	919.3	2286.8	6991.2	16142.7
Taxa Richness	14	11	9	11	10	9	8	11	14	11	7	8	10	11
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.17 (continued). Pollen counts from LA 12587.

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	1591	1602	1698	1725	1887	1915	1916	1972	1998	2108	2123	2124	2125	2229
Sample Volume	20	20	20	20	20		20	20	1	20	20	20	10	20
Sample Weight	26.4	25.9	24.2	30.2	25.6		25.3	22.4	2.4	22.4	23.8	24.4	15.3	27.7
Tracers	14	12	50	30	9	80	8	36	20	28	30	12	60	22
Tracer Conc.	21358	21358	21358	21358	21358	10679	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	269	251	286	200	210	104	243	232	35	329	270	248	283	328
Pollen Concentration gr/gm or gr/wash	15544.6	17248.6	5048.3	4714.8	19466.9	13882.7	25642.3	6144.7	15573.5	11203.4	8076.6	18090.1	6584.2	11495.6
Taxa Richness	8	10	12	12	8	6	10	13	7	12	15	10	14	11
Gossypium	0	0	0	0	0	0	0	0	0	0	0.001	0	0	0
Cucurbita	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	1591	1602	1698	1725	1887	1915	1916	1972	1998	2108	2123	2124	2125	2229
Sample Volume	20	20	20	20	20		20	20	1	20	20	20	10	20
Sample Weight	26.4	25.9	24.2	30.2	25.6		25.3	22.4	2.4	22.4	23.8	24.4	15.3	27.7
Tracers	14	12	50	30	9	80	8	36	20	28	30	12	60	22
Tracer Conc.	21358	21358	21358	21358	21358	10679	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	269	251	286	200	210	104	243	232	35	329	270	248	283	328
Pollen Concentration gr/gm or gr/wash	15544.6	17248.6	5048.3	4714.8	19466.9	13882.7	25642.3	6144.7	15573.5	11203.4	8076.6	18090.1	6584.2	11495.6
Taxa Richness	8	10	12	12	8	6	10	13	7	12	15	10	14	11
Zea mays	0	0	10	2	1	0	0	0.001	0	0.001	4	2	2	0
Opuntia (Cylindro)	0	0	0.001	1	0	0	0	2	0	0	1	0	1	0.001
Opuntia (Platy)	0	1	0	0	0	0	0	2	1	2	0.001	0	1	0.001
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleome	0	0	0	2	0	0	1	0	0	0	4	10	18	5
cf. Helianthus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liliaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosaceae	0	3	0	0	0	0	0	0	0	0	0	0	0	0
Eriogonum	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brassicaceae	0	0	2	0	0	0	0	0	0	0	0	0	1	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plantago	0	0	0	0	0	0	0	1	0	1	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	0	2	8	18	0	6	2	2	4	0	8	4	14	4
Large Poaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	1591	1602	1698	1725	1887	1915	1916	1972	1998	2108	2123	2124	2125	2229
Sample Volume	20	20	20	20	20		20	20	1	20	20	20	10	20
Sample Weight	26.4	25.9	24.2	30.2	25.6		25.3	22.4	2.4	22.4	23.8	24.4	15.3	27.7
Tracers	14	12	50	30	9	80	8	36	20	28	30	12	60	22
Tracer Conc.	21358	21358	21358	21358	21358	10679	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	269	251	286	200	210	104	243	232	35	329	270	248	283	328
Pollen Concentration gr/gm or gr/wash	15544.6	17248.6	5048.3	4714.8	19466.9	13882.7	25642.3	6144.7	15573.5	11203.4	8076.6	18090.1	6584.2	11495.6
Taxa Richness	8	10	12	12	8	6	10	13	7	12	15	10	14	11
Populus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	124	114	182	60	116	40	156	94	20	172	142	142	134	186
Fabaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Hi-Spine type	42	30	24	22	35	16	24	64	2	34	34	26	24	46
Ambrosia	0	0	0	0	0	0	0	0	0	2	0	0	0	0
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euphorbiaceae	2	4	4	2	1	0	8	1	0	8	1	2	4	0
Scrophulariaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onagraceae	0	0	0	0	0	0	0	0	0	0	0.001	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	1591	1602	1698	1725	1887	1915	1916	1972	1998	2108	2123	2124	2125	2229
Sample Volume	20	20	20	20	20		20	20	1	20	20	20	10	20
Sample Weight	26.4	25.9	24.2	30.2	25.6		25.3	22.4	2.4	22.4	23.8	24.4	15.3	27.7
Tracers	14	12	50	30	9	80	8	36	20	28	30	12	60	22
Tracer Conc.	21358	21358	21358	21358	21358	10679	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	269	251	286	200	210	104	243	232	35	329	270	248	283	328
Pollen Concentration gr/gm or gr/wash	15544.6	17248.6	5048.3	4714.8	19466.9	13882.7	25642.3	6144.7	15573.5	11203.4	8076.6	18090.1	6584.2	11495.6
Taxa Richness	8	10	12	12	8	6	10	13	7	12	15	10	14	11
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Picea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abies	0	0	0	0	0	0	0	0	0	0	0	2	0	0
Pinus	38	39	12	28	32	6	6	26	2	48	6	14	4	34
Pinus edulis type	14	26	6	40	5	0	4	12	2	26	4	2	9	16
Juniperus	12	6	2	4	2	8	2	4	4	2	2	2	4	1
Quercus	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephedra	2	0	0	2	0	0	0	0	0	0	0	0	1	0
Artemisia	2	4	8	12	9	6	2	2	0	10	8	0	4	10
Unknown Small Artemisia	0	0	1	0	0	0	0	4	0	2	2	0	0	2
Sarcobatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	1591	1602	1698	1725	1887	1915	1916	1972	1998	2108	2123	2124	2125	2229
Sample Volume	20	20	20	20	20		20	20	1	20	20	20	10	20
Sample Weight	26.4	25.9	24.2	30.2	25.6		25.3	22.4	2.4	22.4	23.8	24.4	15.3	27.7
Tracers	14	12	50	30	9	80	8	36	20	28	30	12	60	22
Tracer Conc.	21358	21358	21358	21358	21358	10679	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	269	251	286	200	210	104	243	232	35	329	270	248	283	328
Pollen Concentration gr/gm or gr/wash	15544.6	17248.6	5048.3	4714.8	19466.9	13882.7	25642.3	6144.7	15573.5	11203.4	8076.6	18090.1	6584.2	11495.6
Taxa Richness	8	10	12	12	8	6	10	13	7	12	15	10	14	11
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	20	22	24	4	6	22	34	14	0	18	52	42	56	24
Unknown	11	0	1	1	3	0	3	3	0	3	2	0	6	0
Total Aggregates	2	0	2	2	0	0	0	1	0	1	0	0	0	0
Cheno-Am Aggregates	2(50+)	0	2(100+)	2(500+)	0	0	0	1(8)	0	1(20+)	0	0	0	0
Sunflower Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maize Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	X(10)
Pine Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	1591	1602	1698	1725	1887	1915	1916	1972	1998	2108	2123	2124	2125	2229
Sample Volume	20	20	20	20	20		20	20	1	20	20	20	10	20
Sample Weight	26.4	25.9	24.2	30.2	25.6		25.3	22.4	2.4	22.4	23.8	24.4	15.3	27.7
Tracers	14	12	50	30	9	80	8	36	20	28	30	12	60	22
Tracer Conc.	21358	21358	21358	21358	21358	10679	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	269	251	286	200	210	104	243	232	35	329	270	248	283	328
Pollen Concentration gr/gm or gr/wash	15544.6	17248.6	5048.3	4714.8	19466.9	13882.7	25642.3	6144.7	15573.5	11203.4	8076.6	18090.1	6584.2	11495.6
Taxa Richness	8	10	12	12	8	6	10	13	7	12	15	10	14	11
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	1	0	0	0	0	0	0	0	0	0

Table Y.17 (continued). Pollen counts from LA 12587.

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	2247	2563	2570	2631	2634	2648	2674	2679	2715	2746	2793	2875	2906	2923
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	5	20	20
Sample Weight	32.1	22.9	28.8	20.9	17.3	24.5	25.4	25.1	25.4	26.1	24.6	5.2	17.6	25.5
Tracers	12	30	16	20	94	32	24	30	14	34	14	116	24	14
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	223	274	291	241	234	336	275	269	274	260	205	131	275	245
Pollen Concentration gr/gm or gr/wash	12364.6	8518.3	13487.8	12314.1	3073.3	9153.4	9634.9	7629.9	16457.0	6257.7	12713.1	4638.4	13904.9	14657.5
Taxa Richness	11	9	13	10	11	12	10	12	14	12	10	6	12	10
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zea mays	0	0.001	2	0.001	4	0.001	0	2	2	0.001	2	0	3	2
Opuntia (Cylindro)	0.001	0	0.001	0	0	0	0	0	0.001	0.001	0.001	0	0.001	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	2247	2563	2570	2631	2634	2648	2674	2679	2715	2746	2793	2875	2906	2923
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	5	20	20
Sample Weight	32.1	22.9	28.8	20.9	17.3	24.5	25.4	25.1	25.4	26.1	24.6	5.2	17.6	25.5
Tracers	12	30	16	20	94	32	24	30	14	34	14	116	24	14
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	223	274	291	241	234	336	275	269	274	260	205	131	275	245
Pollen Concentration gr/gm or gr/wash	12364.6	8518.3	13487.8	12314.1	3073.3	9153.4	9634.9	7629.9	16457.0	6257.7	12713.1	4638.4	13904.9	14657.5
Taxa Richness	11	9	13	10	11	12	10	12	14	12	10	6	12	10
Opuntia (Platy)	2	0	4	2	0.001	0.001	0	2	0.001	0.001	0.001	0	0	0.001
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleome	6	16	10	107	54	12	8	16	2	47	0	0	12	22
cf. Helianthus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liliaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	0	2	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0.001	0	0	0	0	0	0	0	0	0
Rosaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Eriogonum	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brassicaceae	0	0	0	0	2	0	0	0	0	0	0	0	2	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plantago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	0	2	6	6	10	12	4	6	8	4	0	0	8	0
Large Poaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Populus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	2247	2563	2570	2631	2634	2648	2674	2679	2715	2746	2793	2875	2906	2923
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	5	20	20
Sample Weight	32.1	22.9	28.8	20.9	17.3	24.5	25.4	25.1	25.4	26.1	24.6	5.2	17.6	25.5
Tracers	12	30	16	20	94	32	24	30	14	34	14	116	24	14
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	223	274	291	241	234	336	275	269	274	260	205	131	275	245
Pollen Concentration gr/gm or gr/wash	12364.6	8518.3	13487.8	12314.1	3073.3	9153.4	9634.9	7629.9	16457.0	6257.7	12713.1	4638.4	13904.9	14657.5
Taxa Richness	11	9	13	10	11	12	10	12	14	12	10	6	12	10
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	96	136	156	82	100	100	110	122	120	86	124	60	146	150
Fabaceae	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Asteraceae Hi-Spine type	42	36	22	20	28	48	42	36	50	38	26	20	40	16
Ambrosia	0	0	3	0	2	0	0	0	0	0	0	4	0	14
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euphorbiaceae	2	0	3	2	0	5	2	8	2	8	4	0	12	2
Scrophulariaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onagraceae	0	0	0	0	0	2	0	0	0.001	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	2247	2563	2570	2631	2634	2648	2674	2679	2715	2746	2793	2875	2906	2923
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	5	20	20
Sample Weight	32.1	22.9	28.8	20.9	17.3	24.5	25.4	25.1	25.4	26.1	24.6	5.2	17.6	25.5
Tracers	12	30	16	20	94	32	24	30	14	34	14	116	24	14
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	223	274	291	241	234	336	275	269	274	260	205	131	275	245
Pollen Concentration gr/gm or gr/wash	12364.6	8518.3	13487.8	12314.1	3073.3	9153.4	9634.9	7629.9	16457.0	6257.7	12713.1	4638.4	13904.9	14657.5
Taxa Richness	11	9	13	10	11	12	10	12	14	12	10	6	12	10
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Picea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abies	0	0	0	0	0	0	0	0	2	0	0	0	0	0
Pinus	12	26	21	2	0	34	32	14	32	16	14	0	8	6
Pinus edulis type	13	12	20	0	4	44	22	14	16	14	16	0	2	14
Juniperus	10	6	4	6	0	18	20	1	10	12	0	4	4	0
Quercus	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephedra	0	0	0	0	0	0	2	0	0	0	2	0	0	0
Artemisia	6	4	6	4	6	8	14	13	4	2	4	6	8	0
Unknown Small Artemisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sarcobatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	2247	2563	2570	2631	2634	2648	2674	2679	2715	2746	2793	2875	2906	2923
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	5	20	20
Sample Weight	32.1	22.9	28.8	20.9	17.3	24.5	25.4	25.1	25.4	26.1	24.6	5.2	17.6	25.5
Tracers	12	30	16	20	94	32	24	30	14	34	14	116	24	14
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	223	274	291	241	234	336	275	269	274	260	205	131	275	245
Pollen Concentration gr/gm or gr/wash	12364.6	8518.3	13487.8	12314.1	3073.3	9153.4	9634.9	7629.9	16457.0	6257.7	12713.1	4638.4	13904.9	14657.5
Taxa Richness	11	9	13	10	11	12	10	12	14	12	10	6	12	10
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	28	34	32	10	14	52	18	34	26	32	12	32	24	16
Unknown	3	0	0	0	10	0	0	0	0	1	0	3	6	0
Total Aggregates	1	2	2	0	0	1	1	0	0	0	1	0	0	1
Cheno-Am Aggregates	1(20+)	0	2(8)	0	0	1(100+)	1(500+)	0	0	0	1(10)	0	0	1(10)
Sunflower Family Aggregates	0	1(8)	0	0	0	0	0	0	0	0	0	0	0	0
Grass Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maize Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	X(6)
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	1(10)	0	0	0	0	0	0	0	0	0	0	0	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	2247	2563	2570	2631	2634	2648	2674	2679	2715	2746	2793	2875	2906	2923
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	5	20	20
Sample Weight	32.1	22.9	28.8	20.9	17.3	24.5	25.4	25.1	25.4	26.1	24.6	5.2	17.6	25.5
Tracers	12	30	16	20	94	32	24	30	14	34	14	116	24	14
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	223	274	291	241	234	336	275	269	274	260	205	131	275	245
Pollen Concentration gr/gm or gr/wash	12364.6	8518.3	13487.8	12314.1	3073.3	9153.4	9634.9	7629.9	16457.0	6257.7	12713.1	4638.4	13904.9	14657.5
Taxa Richness	11	9	13	10	11	12	10	12	14	12	10	6	12	10
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.17 (continued). Pollen counts from LA 12587.

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	2963	2988	2993	3003	3050	3080	3083	3159	3217	3258	3310	3334	3335	3358
Sample Volume	10	20	20	20	20	20	20		20	20	7	20	20	20
Sample Weight	12.1	24.0	28.6	24.7	20.8	22.0	23.3		27.5	24.4	8.5	26.1	25.8	22.6
Tracers	30	18	12	5	40	28	12	5	84	32	42	12	6	6
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	10679	21358	21358	21358	21358	21358	21358
Pollen Sum	284	205	300	253	253	391	295	1	344	355	260	218	259	214
Pollen Concentration gr/gm or gr/wash	16709.8	10135.2	18669.6	43753.6	6494.7	13556.8	22534.4	2135.8	3180.6	9710.7	15554.8	14866.0	35734.6	33706.6
Taxa Richness	14	13	12	9	10	11	10	0	14	17	12	10	14	10
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zea mays	0	1	2	0	0	4	0	0	4	4	0	0	0	1
Opuntia (Cylindro)	0	0.001	0	0	0	0	0	0	0	3	0	0	0	0.001

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	2963	2988	2993	3003	3050	3080	3083	3159	3217	3258	3310	3334	3335	3358
Sample Volume	10	20	20	20	20	20	20		20	20	7	20	20	20
Sample Weight	12.1	24.0	28.6	24.7	20.8	22.0	23.3		27.5	24.4	8.5	26.1	25.8	22.6
Tracers	30	18	12	5	40	28	12	5	84	32	42	12	6	6
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	10679	21358	21358	21358	21358	21358	21358
Pollen Sum	284	205	300	253	253	391	295	1	344	355	260	218	259	214
Pollen Concentration gr/gm or gr/wash	16709.8	10135.2	18669.6	43753.6	6494.7	13556.8	22534.4	2135.8	3180.6	9710.7	15554.8	14866.0	35734.6	33706.6
Taxa Richness	14	13	12	9	10	11	10	0	14	17	12	10	14	10
Opuntia (Platy)	2	0.001	2	0	0	0.001	0.001	0	1	2	0.001	2	5	0
Cactaceae	0	0	0	0	0	0	0	0	0	0.001	0	0	0	0
Cleome	14	2	1	2	0	1	4	0	1	15	2	2	0	12
cf. Helianthus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liliaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eriogonum	0	0	0	0	0	0	0	0	0	2	0	0	0	0
Brassicaceae	0	0	0	0	0	0	0	0	0	0	0	0	1	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plantago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	4	2	6	2	6	0	2	0	14	12	2	0	2	8
Large Poaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Populus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	2963	2988	2993	3003	3050	3080	3083	3159	3217	3258	3310	3334	3335	3358
Sample Volume	10	20	20	20	20	20	20		20	20	7	20	20	20
Sample Weight	12.1	24.0	28.6	24.7	20.8	22.0	23.3		27.5	24.4	8.5	26.1	25.8	22.6
Tracers	30	18	12	5	40	28	12	5	84	32	42	12	6	6
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	10679	21358	21358	21358	21358	21358	21358
Pollen Sum	284	205	300	253	253	391	295	1	344	355	260	218	259	214
Pollen Concentration gr/gm or gr/wash	16709.8	10135.2	18669.6	43753.6	6494.7	13556.8	22534.4	2135.8	3180.6	9710.7	15554.8	14866.0	35734.6	33706.6
Taxa Richness	14	13	12	9	10	11	10	0	14	17	12	10	14	10
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	108	110	160	126	96	170	156	0	154	176	132	104	98	94
Fabaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Hi-Spine type	30	21	58	40	34	78	32	0	32	48	28	36	28	18
Ambrosia	0	0	0	0	0	0	0	0	4	4	0	4	2	0
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	0	2	2	0	0	0	0
Euphorbiaceae	8	2	12	3	2	4	4	0	6	0	2	2	0	2
Scrophulariaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onagraceae	0.001	0	0	0	0	0	0	0	0.001	0	0	1	1	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	2963	2988	2993	3003	3050	3080	3083	3159	3217	3258	3310	3334	3335	3358
Sample Volume	10	20	20	20	20	20	20		20	20	7	20	20	20
Sample Weight	12.1	24.0	28.6	24.7	20.8	22.0	23.3		27.5	24.4	8.5	26.1	25.8	22.6
Tracers	30	18	12	5	40	28	12	5	84	32	42	12	6	6
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	10679	21358	21358	21358	21358	21358	21358
Pollen Sum	284	205	300	253	253	391	295	1	344	355	260	218	259	214
Pollen Concentration gr/gm or gr/wash	16709.8	10135.2	18669.6	43753.6	6494.7	13556.8	22534.4	2135.8	3180.6	9710.7	15554.8	14866.0	35734.6	33706.6
Taxa Richness	14	13	12	9	10	11	10	0	14	17	12	10	14	10
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Picea	0	0	0	0	0	0	0	0	0	0	0.001	0	0	0
Abies	0.001	1	0	0	0	0	0	0	0	0	0	0	1	0
Pinus	22	18	28	20	50	62	18	0	60	6	20	14	32	8
Pinus edulis type	18	13	4	6	12	28	8	0	26	6	16	10	26	22
Juniperus	2	2	0	10	12	4	8	0	8	8	8	0	8	0
Quercus	1	0	1	0	0	0	0	0	0	1	0	0	1	0
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephedra	0	0	2	0	2	0	0	0	0	0	6	0	2	0
Artemisia	4	5	4	20	12	6	12	0	10	12	8	28	22	10
Unknown Small Artemisia	8	0	0	0	8	4	0	0	0	2	0	0	0	0
Sarcobatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	2963	2988	2993	3003	3050	3080	3083	3159	3217	3258	3310	3334	3335	3358
Sample Volume	10	20	20	20	20	20	20		20	20	7	20	20	20
Sample Weight	12.1	24.0	28.6	24.7	20.8	22.0	23.3		27.5	24.4	8.5	26.1	25.8	22.6
Tracers	30	18	12	5	40	28	12	5	84	32	42	12	6	6
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	10679	21358	21358	21358	21358	21358	21358
Pollen Sum	284	205	300	253	253	391	295	1	344	355	260	218	259	214
Pollen Concentration gr/gm or gr/wash	16709.8	10135.2	18669.6	43753.6	6494.7	13556.8	22534.4	2135.8	3180.6	9710.7	15554.8	14866.0	35734.6	33706.6
Taxa Richness	14	13	12	9	10	11	10	0	14	17	12	10	14	10
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	60	26	18	22	16	28	50	1	20	48	34	14	26	38
Unknown	3	0	0	2	0	1	0	0	1	4	1	1	2	0
Total Aggregates	0	2	2	0	3	1	1	0	1	0	1	0	2	1
Cheno-Am Aggregates	0	1(20)	2(8)	0	3(20)	1(500+)	1(20+)	0	0	0	1(6)	0	2(20+)	1(8)
Sunflower Family Aggregates	0	1(10)	0	0	0	0	0	0	0	0	0	0	0	0
Grass Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maize Aggregates	0	0	0	0	0	0	0	0	1(3)	0	0	0	0	0
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	X(20+)	0
Pine Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	2963	2988	2993	3003	3050	3080	3083	3159	3217	3258	3310	3334	3335	3358
Sample Volume	10	20	20	20	20	20	20		20	20	7	20	20	20
Sample Weight	12.1	24.0	28.6	24.7	20.8	22.0	23.3		27.5	24.4	8.5	26.1	25.8	22.6
Tracers	30	18	12	5	40	28	12	5	84	32	42	12	6	6
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	10679	21358	21358	21358	21358	21358	21358
Pollen Sum	284	205	300	253	253	391	295	1	344	355	260	218	259	214
Pollen Concentration gr/gm or gr/wash	16709.8	10135.2	18669.6	43753.6	6494.7	13556.8	22534.4	2135.8	3180.6	9710.7	15554.8	14866.0	35734.6	33706.6
Taxa Richness	14	13	12	9	10	11	10	0	14	17	12	10	14	10
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.17 (continued). Pollen counts from LA 12587.

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	3360	3369	3370	3394	3441	3444	3466	3467	3473	3498	3499	3502	3503	3513
Sample Volume	20	20	20	5	15	20	20	20		20	20	20	20	8
Sample Weight	17.4	26.6	26.5	5.4	16.9	26.2	27.1	26.0		29.0	22.9	32.0	21.5	9.1
Tracers	272	6	10	130	34	16	22	54	6	98	248	50	50	200
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	10679	21358	21358	21358	21358	21358
Pollen Sum	204	240	265	265	286	305	235	281	232	275	216	284	277	257
Pollen Concentration gr/gm or gr/wash	920.6	32117.3	21358.0	8062.5	10630.7	15539.6	8418.5	4274.6	412921.3	2066.7	812.3	3791.0	5503.4	3015.9
Taxa Richness	13	11	8	12	10	11	14	14	7	14	9	10	9	8
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zea mays	0.001	0	0	0	0.001	2	12	0.001	0	0.001	0	0.001	2	0
Opuntia (Cylindro)	1	0.001	0	0	0	0	0.001	0	0	0	0.001	0	0.001	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	3360	3369	3370	3394	3441	3444	3466	3467	3473	3498	3499	3502	3503	3513
Sample Volume	20	20	20	5	15	20	20	20		20	20	20	20	8
Sample Weight	17.4	26.6	26.5	5.4	16.9	26.2	27.1	26.0		29.0	22.9	32.0	21.5	9.1
Tracers	272	6	10	130	34	16	22	54	6	98	248	50	50	200
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	10679	21358	21358	21358	21358	21358
Pollen Sum	204	240	265	265	286	305	235	281	232	275	216	284	277	257
Pollen Concentration gr/gm or gr/wash	920.6	32117.3	21358.0	8062.5	10630.7	15539.6	8418.5	4274.6	412921.3	2066.7	812.3	3791.0	5503.4	3015.9
Taxa Richness	13	11	8	12	10	11	14	14	7	14	9	10	9	8
Opuntia (Platy)	0.001	0.001	0	0.001	0	0.001	0	6	0	1	0.001	0.001	2	0
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleome	4	3	10	4	0	1	2	0	0	4	1	0	0	4
cf. Helianthus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liliaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0.001	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eriogonum	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brassicaceae	0	1	0	0	0	0	0	0	0	0	0	0	0	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plantago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	10	2	3	8	0	4	6	2	0	8	0	0	0	8
Large Poaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Populus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	3360	3369	3370	3394	3441	3444	3466	3467	3473	3498	3499	3502	3503	3513
Sample Volume	20	20	20	5	15	20	20	20		20	20	20	20	8
Sample Weight	17.4	26.6	26.5	5.4	16.9	26.2	27.1	26.0		29.0	22.9	32.0	21.5	9.1
Tracers	272	6	10	130	34	16	22	54	6	98	248	50	50	200
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	10679	21358	21358	21358	21358	21358
Pollen Sum	204	240	265	265	286	305	235	281	232	275	216	284	277	257
Pollen Concentration gr/gm or gr/wash	920.6	32117.3	21358.0	8062.5	10630.7	15539.6	8418.5	4274.6	412921.3	2066.7	812.3	3791.0	5503.4	3015.9
Taxa Richness	13	11	8	12	10	11	14	14	7	14	9	10	9	8
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	64	114	128	94	94	166	56	58	70	96	82	84	122	104
Fabaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Hi-Spine type	44	42	34	34	26	52	70	42	40	40	24	28	28	52
Ambrosia	0	0	0	2	0	4	6	6	0	4	0	4	2	4
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euphorbiaceae	2	0	0	2	20	0	2	2	0	4	0	8	0	0
Scrophulariaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onagraceae	0	0	0	0	0	0	0	0.001	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	3360	3369	3370	3394	3441	3444	3466	3467	3473	3498	3499	3502	3503	3513
Sample Volume	20	20	20	5	15	20	20	20		20	20	20	20	8
Sample Weight	17.4	26.6	26.5	5.4	16.9	26.2	27.1	26.0		29.0	22.9	32.0	21.5	9.1
Tracers	272	6	10	130	34	16	22	54	6	98	248	50	50	200
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	10679	21358	21358	21358	21358	21358
Pollen Sum	204	240	265	265	286	305	235	281	232	275	216	284	277	257
Pollen Concentration gr/gm or gr/wash	920.6	32117.3	21358.0	8062.5	10630.7	15539.6	8418.5	4274.6	412921.3	2066.7	812.3	3791.0	5503.4	3015.9
Taxa Richness	13	11	8	12	10	11	14	14	7	14	9	10	9	8
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0.001	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Picea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abies	0	0	0	0	0	0	0	1	2	0	0	0	0	0
Pinus	8	20	8	20	36	30	22	66	18	10	22	34	24	0
Pinus edulis type	30	18	8	12	48	32	4	46	10	2	26	48	44	4
Juniperus	6	4	10	4	10	2	6	12	22	8	0	12	0	4
Quercus	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephedra	0	0	0	0	8	0	2	0	0	2	0	0	0	0
Artemisia	6	4	4	20	12	2	6	26	22	22	12	18	10	10
Unknown Small Artemisia	0	0	0	6	2	0	0	0	0	0	4	0	0	0
Sarcobatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	3360	3369	3370	3394	3441	3444	3466	3467	3473	3498	3499	3502	3503	3513
Sample Volume	20	20	20	5	15	20	20	20		20	20	20	20	8
Sample Weight	17.4	26.6	26.5	5.4	16.9	26.2	27.1	26.0		29.0	22.9	32.0	21.5	9.1
Tracers	272	6	10	130	34	16	22	54	6	98	248	50	50	200
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	10679	21358	21358	21358	21358	21358
Pollen Sum	204	240	265	265	286	305	235	281	232	275	216	284	277	257
Pollen Concentration gr/gm or gr/wash	920.6	32117.3	21358.0	8062.5	10630.7	15539.6	8418.5	4274.6	412921.3	2066.7	812.3	3791.0	5503.4	3015.9
Taxa Richness	13	11	8	12	10	11	14	14	7	14	9	10	9	8
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	28	24	58	52	30	10	38	12	48	70	44	42	36	66
Unknown	0	6	2	2	0	0	3	1	0	3	1	6	0	1
Total Aggregates	1	2	0	5	0	0	0	0	0	0	0	0	7	0
Cheno-Am Aggregates	1(20+)	2(20+)	0	5(12)	0	0	0	0	0	0	0	0	7(20+)	0
Sunflower Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maize Aggregates	X(18+)	0	0	0	0	0	0	0	0	0	0	0	0	0
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	3360	3369	3370	3394	3441	3444	3466	3467	3473	3498	3499	3502	3503	3513
Sample Volume	20	20	20	5	15	20	20	20		20	20	20	20	8
Sample Weight	17.4	26.6	26.5	5.4	16.9	26.2	27.1	26.0		29.0	22.9	32.0	21.5	9.1
Tracers	272	6	10	130	34	16	22	54	6	98	248	50	50	200
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	10679	21358	21358	21358	21358	21358
Pollen Sum	204	240	265	265	286	305	235	281	232	275	216	284	277	257
Pollen Concentration gr/gm or gr/wash	920.6	32117.3	21358.0	8062.5	10630.7	15539.6	8418.5	4274.6	412921.3	2066.7	812.3	3791.0	5503.4	3015.9
Taxa Richness	13	11	8	12	10	11	14	14	7	14	9	10	9	8
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.17 (continued). Pollen counts from LA 12587.

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	3514	3515	3516	3517	3518	3519	3520	3521	3541	3650	3692	3710	3778	3798
Sample Volume	20	20	20	20	20	20	20	20	20	8	5	20	20	20
Sample Weight	26.8	26.9	29.5	11.4	18.9	21.8	27.3	24.6	21.1	7.7	6.3	25.0	23.8	27.2
Tracers	360	138	208	140	168	94	16	50	22	230	44	24	42	14
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	292	205	328	210	259	325	239	220	319	220	219	236	296	264
Pollen Concentration gr/gm or gr/wash	646.4	1179.5	1141.7	2810.3	1742.2	3387.3	11686.3	3820.1	14677.3	2653.2	16873.7	8400.8	6324.5	14807.0
Taxa Richness	10	11	15	10	13	13	14	7	10	10	10	8	13	14
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zea mays	0	5	2	0	6	0.001	16	8	2	8	0.001	0	2	0
Opuntia (Cylindro)	0	0	0.001	0	2	0	2	0	0	0	0	2	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	3514	3515	3516	3517	3518	3519	3520	3521	3541	3650	3692	3710	3778	3798
Sample Volume	20	20	20	20	20	20	20	20	20	8	5	20	20	20
Sample Weight	26.8	26.9	29.5	11.4	18.9	21.8	27.3	24.6	21.1	7.7	6.3	25.0	23.8	27.2
Tracers	360	138	208	140	168	94	16	50	22	230	44	24	42	14
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	292	205	328	210	259	325	239	220	319	220	219	236	296	264
Pollen Concentration gr/gm or gr/wash	646.4	1179.5	1141.7	2810.3	1742.2	3387.3	11686.3	3820.1	14677.3	2653.2	16873.7	8400.8	6324.5	14807.0
Taxa Richness	10	11	15	10	13	13	14	7	10	10	10	8	13	14
Opuntia (Platy)	0	0	0	0	0	0.001	0	0	0	0.001	0.001	0	0	0
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleome	4	3	12	3	10	12	10	10	18	4	1	8	1	3
cf. Helianthus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liliaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosaceae	0	0	0	0	2	0	1	0	0	0	0	0	0	0
Eriogonum	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Brassicaceae	0	0	0	2	0	0	0	0	0	0	0	0	0	1
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plantago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	10	8	21	18	2	10	12	0	4	8	0	10	8	6
Large Poaceae	0	2	1	0	0	0	0	0	0	0	0	0	0	0
Populus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	3514	3515	3516	3517	3518	3519	3520	3521	3541	3650	3692	3710	3778	3798
Sample Volume	20	20	20	20	20	20	20	20	20	8	5	20	20	20
Sample Weight	26.8	26.9	29.5	11.4	18.9	21.8	27.3	24.6	21.1	7.7	6.3	25.0	23.8	27.2
Tracers	360	138	208	140	168	94	16	50	22	230	44	24	42	14
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	292	205	328	210	259	325	239	220	319	220	219	236	296	264
Pollen Concentration gr/gm or gr/wash	646.4	1179.5	1141.7	2810.3	1742.2	3387.3	11686.3	3820.1	14677.3	2653.2	16873.7	8400.8	6324.5	14807.0
Taxa Richness	10	11	15	10	13	13	14	7	10	10	10	8	13	14
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	106	72	120	64	144	140	46	42	150	94	94	134	140	40
Fabaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Hi-Spine type	90	34	70	27	18	46	60	0	36	22	32	22	32	25
Ambrosia	0	4	2	0	0	0	12	92	0	2	0	0	4	0
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liguliflorae	0	0	0.001	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	0	0	0	0	0	2	0
Euphorbiaceae	10	0	2	1	10	6	0	6	6	0	3	0	8	2
Scrophulariaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onagraceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	3514	3515	3516	3517	3518	3519	3520	3521	3541	3650	3692	3710	3778	3798
Sample Volume	20	20	20	20	20	20	20	20	20	8	5	20	20	20
Sample Weight	26.8	26.9	29.5	11.4	18.9	21.8	27.3	24.6	21.1	7.7	6.3	25.0	23.8	27.2
Tracers	360	138	208	140	168	94	16	50	22	230	44	24	42	14
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	292	205	328	210	259	325	239	220	319	220	219	236	296	264
Pollen Concentration gr/gm or gr/wash	646.4	1179.5	1141.7	2810.3	1742.2	3387.3	11686.3	3820.1	14677.3	2653.2	16873.7	8400.8	6324.5	14807.0
Taxa Richness	10	11	15	10	13	13	14	7	10	10	10	8	13	14
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001
Picea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abies	0	0	0	0	0	0	0.001	0	0	0	0	0	0	1
Pinus	4	10	10	16	4	18	22	0	6	10	22	12	10	43
Pinus edulis type	14	2	6	14	16	18	20	0	12	30	24	12	30	64
Juniperus	4	8	2	14	0	22	13	0	8	2	6	0	0	47
Quercus	0	0	0	0	2	0	0	0	0	0	0	0	1	2
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephedra	0	0	0	0	0	2	0	6	0	0	0	0	2	0
Artemisia	2	0	12	20	10	10	6	10	10	0	4	8	8	10
Unknown Small Artemisia	2	14	4	0	2	10	0	0	0	0	0	0	0	0
Sarcobatus	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	3514	3515	3516	3517	3518	3519	3520	3521	3541	3650	3692	3710	3778	3798
Sample Volume	20	20	20	20	20	20	20	20	20	8	5	20	20	20
Sample Weight	26.8	26.9	29.5	11.4	18.9	21.8	27.3	24.6	21.1	7.7	6.3	25.0	23.8	27.2
Tracers	360	138	208	140	168	94	16	50	22	230	44	24	42	14
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	292	205	328	210	259	325	239	220	319	220	219	236	296	264
Pollen Concentration gr/gm or gr/wash	646.4	1179.5	1141.7	2810.3	1742.2	3387.3	11686.3	3820.1	14677.3	2653.2	16873.7	8400.8	6324.5	14807.0
Taxa Richness	10	11	15	10	13	13	14	7	10	10	10	8	13	14
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	44	42	62	30	28	30	14	46	64	36	30	28	46	18
Unknown	0	1	0	0	0	0	4	0	3	1	0	0	2	1
Total Aggregates	2	0	2	1	3	1	0	0	0	3	3	0	0	0
Cheno-Am Aggregates	2(6)	0	0	0	0	0	0	0	0	3(20+)	3(6)	0	0	0
Sunflower Family Aggregates	0	0	2(6)	0	0	0	0	0	0	0	0	0	0	0
Grass Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maize Aggregates	0	0	0	0	3(12)	0	X(3)	0	0	0	0	0	0	0
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	1(10)	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	1(6)	0	0	0	0	0	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	3514	3515	3516	3517	3518	3519	3520	3521	3541	3650	3692	3710	3778	3798
Sample Volume	20	20	20	20	20	20	20	20	20	8	5	20	20	20
Sample Weight	26.8	26.9	29.5	11.4	18.9	21.8	27.3	24.6	21.1	7.7	6.3	25.0	23.8	27.2
Tracers	360	138	208	140	168	94	16	50	22	230	44	24	42	14
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	292	205	328	210	259	325	239	220	319	220	219	236	296	264
Pollen Concentration gr/gm or gr/wash	646.4	1179.5	1141.7	2810.3	1742.2	3387.3	11686.3	3820.1	14677.3	2653.2	16873.7	8400.8	6324.5	14807.0
Taxa Richness	10	11	15	10	13	13	14	7	10	10	10	8	13	14
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.17 (continued). Pollen counts from LA 12587.

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	3820	3860	3872	3985	4009	4024	4051	4052	4055	4056	4057	4058	4059	4060
Sample Volume	20	20	20	20	20	10	20	20	20	20	20	20	20	20
Sample Weight	22.9	22.5	18.0	27.6	23.6	13.2	22.5	21.2	23.0	24.9	22.3	24.3	26.7	23.0
Tracers	8	26	20	16	16	50	12	44	4	14	150	33	18	14
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	203	232	259	206	225	233	304	294	243	288	232	352	319	254
Pollen Concentration gr/gm or gr/wash	23666.3	8470.2	15365.9	9963.2	12726.6	7540.0	24047.5	6731.6	56413.0	17645.2	1481.3	9375.3	14176.5	16847.6
Taxa Richness	9	11	9	12	8	13	13	13	9	12	12	14	9	12
Gossypium	0	0	0	0	0	0	0.001	0	0	0	0	0	0	0
Cucurbita	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zea mays	4	1	0	0.001	0.001	2	0.001	0.001	0	1	4	0.001	1	0
Opuntia (Cylindro)	2	0	0	0	0	0	0.001	0.001	0	0	0.001	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	3820	3860	3872	3985	4009	4024	4051	4052	4055	4056	4057	4058	4059	4060
Sample Volume	20	20	20	20	20	10	20	20	20	20	20	20	20	20
Sample Weight	22.9	22.5	18.0	27.6	23.6	13.2	22.5	21.2	23.0	24.9	22.3	24.3	26.7	23.0
Tracers	8	26	20	16	16	50	12	44	4	14	150	33	18	14
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	203	232	259	206	225	233	304	294	243	288	232	352	319	254
Pollen Concentration gr/gm or gr/wash	23666.3	8470.2	15365.9	9963.2	12726.6	7540.0	24047.5	6731.6	56413.0	17645.2	1481.3	9375.3	14176.5	16847.6
Taxa Richness	9	11	9	12	8	13	13	13	9	12	12	14	9	12
Opuntia (Platy)	0	0.001	0.001	0.001	0	0	0.001	0.001	0.001	0.001	3	5	0	0.001
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleome	4	0	4	2	0	10	0	1	0	8	0	0	8	0
cf. Helianthus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liliaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Portulaca	0	0	0	0	0	0.001	0	0	0	0.001	0	0	0	0
Rosaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eriogonum	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Brassicaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plantago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	0	0	0	2	0	4	3	4	6	4	6	11	6	4
Large Poaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Populus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	3820	3860	3872	3985	4009	4024	4051	4052	4055	4056	4057	4058	4059	4060
Sample Volume	20	20	20	20	20	10	20	20	20	20	20	20	20	20
Sample Weight	22.9	22.5	18.0	27.6	23.6	13.2	22.5	21.2	23.0	24.9	22.3	24.3	26.7	23.0
Tracers	8	26	20	16	16	50	12	44	4	14	150	33	18	14
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	203	232	259	206	225	233	304	294	243	288	232	352	319	254
Pollen Concentration gr/gm or gr/wash	23666.3	8470.2	15365.9	9963.2	12726.6	7540.0	24047.5	6731.6	56413.0	17645.2	1481.3	9375.3	14176.5	16847.6
Taxa Richness	9	11	9	12	8	13	13	13	9	12	12	14	9	12
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	114	83	170	88	134	100	161	146	100	126	82	133	158	51
Fabaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Hi-Spine type	8	24	24	18	28	20	73	62	42	20	20	95	48	38
Ambrosia	0	4	0	4	0	0	0	2	0	0	2	0	0	0
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euphorbiaceae	0	4	0	0	2	4	8	10	6	6	0	2	0	2
Scrophulariaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onagraceae	0	0	0	0	0	0	0.001	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	3820	3860	3872	3985	4009	4024	4051	4052	4055	4056	4057	4058	4059	4060
Sample Volume	20	20	20	20	20	10	20	20	20	20	20	20	20	20
Sample Weight	22.9	22.5	18.0	27.6	23.6	13.2	22.5	21.2	23.0	24.9	22.3	24.3	26.7	23.0
Tracers	8	26	20	16	16	50	12	44	4	14	150	33	18	14
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	203	232	259	206	225	233	304	294	243	288	232	352	319	254
Pollen Concentration gr/gm or gr/wash	23666.3	8470.2	15365.9	9963.2	12726.6	7540.0	24047.5	6731.6	56413.0	17645.2	1481.3	9375.3	14176.5	16847.6
Taxa Richness	9	11	9	12	8	13	13	13	9	12	12	14	9	12
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0.001	0	0.001
Picea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abies	0	0	0	0	1	0	0	0	0	0	0	1	0	1
Pinus	20	16	16	10	10	12	7	2	2	4	38	35	6	53
Pinus edulis type	6	58	22	14	14	12	5	16	10	34	30	10	10	30
Juniperus	2	6	4	7	0	18	6	0	22	20	8	7	2	32
Quercus	0	1	0	0	0	1	0	0	0	0	0	1	0	0
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephedra	0	0	2	0	0	0	0	1	0	0	2	0	0	0
Artemisia	12	10	6	28	10	6	13	10	10	12	10	13	14	18
Unknown Small Artemisia	0	0	0	2	0	4	0	0	0	0	0	0	0	0
Sarcobatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	3820	3860	3872	3985	4009	4024	4051	4052	4055	4056	4057	4058	4059	4060
Sample Volume	20	20	20	20	20	10	20	20	20	20	20	20	20	20
Sample Weight	22.9	22.5	18.0	27.6	23.6	13.2	22.5	21.2	23.0	24.9	22.3	24.3	26.7	23.0
Tracers	8	26	20	16	16	50	12	44	4	14	150	33	18	14
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	203	232	259	206	225	233	304	294	243	288	232	352	319	254
Pollen Concentration gr/gm or gr/wash	23666.3	8470.2	15365.9	9963.2	12726.6	7540.0	24047.5	6731.6	56413.0	17645.2	1481.3	9375.3	14176.5	16847.6
Taxa Richness	9	11	9	12	8	13	13	13	9	12	12	14	9	12
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	30	23	6	30	26	38	27	38	44	52	24	31	66	23
Unknown	1	2	0	0	0	1	0	2	1	0	0	0	0	0
Total Aggregates	0	0	5	1	0	1	1	0	0	1	3	7	0	1
Cheno-Am Aggregates	0	0	5(20+)	1(20+)	0	0	1(6)	0	0	1(6)	3(10)	7(100+)	0	1(6)
Sunflower Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maize Aggregates	0	0	0	0	0	1(4)	0	X(20+)	0	X(3)	X(8)	0	X(12)	0
Prickly Pear Aggregates	0	0	X(12+)	X(6)	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	3820	3860	3872	3985	4009	4024	4051	4052	4055	4056	4057	4058	4059	4060
Sample Volume	20	20	20	20	20	10	20	20	20	20	20	20	20	20
Sample Weight	22.9	22.5	18.0	27.6	23.6	13.2	22.5	21.2	23.0	24.9	22.3	24.3	26.7	23.0
Tracers	8	26	20	16	16	50	12	44	4	14	150	33	18	14
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	203	232	259	206	225	233	304	294	243	288	232	352	319	254
Pollen Concentration gr/gm or gr/wash	23666.3	8470.2	15365.9	9963.2	12726.6	7540.0	24047.5	6731.6	56413.0	17645.2	1481.3	9375.3	14176.5	16847.6
Taxa Richness	9	11	9	12	8	13	13	13	9	12	12	14	9	12
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.17 (continued). Pollen counts from LA 12587.

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	4061	4062	4063	4064	4065	4066	4067	4073	4097	4098	4100	4111	4112	4122
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	6	4	20
Sample Weight	22.1	23.2	22.4	23.5	25.8	26.3	25.9	25.2	26.5	29.6	18.0	9.3	4.2	20.4
Tracers	13	44	44	18	16	24	18	28	25	432	10	59	42	24
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	37166	37166	21358
Pollen Sum	210	264	358	456	268	229	296	252	351	237	6	266	207	224
Pollen Concentration gr/gm or gr/wash	15611.5	5523.6	7757.9	23024.2	13866.1	7748.7	13560.6	7627.9	11315.7	395.9	711.9	18017.4	43613.2	9771.6
Taxa Richness	12	10	11	10	17	11	10	6	16	9	3	15	12	10
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zea mays	0.001	0.001	0.001	0.001	0.001	0	2	0.001	0.001	1	0	1	0.001	0
Opuntia (Cylindro)	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0	0	0.001	0.001	0.001

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	4061	4062	4063	4064	4065	4066	4067	4073	4097	4098	4100	4111	4112	4122
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	6	4	20
Sample Weight	22.1	23.2	22.4	23.5	25.8	26.3	25.9	25.2	26.5	29.6	18.0	9.3	4.2	20.4
Tracers	13	44	44	18	16	24	18	28	25	432	10	59	42	24
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	37166	37166	21358
Pollen Sum	210	264	358	456	268	229	296	252	351	237	6	266	207	224
Pollen Concentration gr/gm or gr/wash	15611.5	5523.6	7757.9	23024.2	13866.1	7748.7	13560.6	7627.9	11315.7	395.9	711.9	18017.4	43613.2	9771.6
Taxa Richness	12	10	11	10	17	11	10	6	16	9	3	15	12	10
Opuntia (Platy)	0	2	0	0	0.001	0	0.001	0	1	2	0	0.001	0.001	0
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleome	0	1	0	1	1	1	0	0	0	0	0	1	0	0
cf. Helianthus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liliaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0.001	0	0	0	0	0	0	0	0	0
Rosaceae	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Eriogonum	1	0	0	0	0	0	0	0	0	0	0	0	1	0
Brassicaceae	0	1	0	0	0	0	0	0	0	0	0	0	0	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plantago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	3	0	2	0	6	2	8	0	4	0	0	1	3	0
Large Poaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Populus	0	0	0	0	0	0	0	0	2	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	4061	4062	4063	4064	4065	4066	4067	4073	4097	4098	4100	4111	4112	4122
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	6	4	20
Sample Weight	22.1	23.2	22.4	23.5	25.8	26.3	25.9	25.2	26.5	29.6	18.0	9.3	4.2	20.4
Tracers	13	44	44	18	16	24	18	28	25	432	10	59	42	24
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	37166	37166	21358
Pollen Sum	210	264	358	456	268	229	296	252	351	237	6	266	207	224
Pollen Concentration gr/gm or gr/wash	15611.5	5523.6	7757.9	23024.2	13866.1	7748.7	13560.6	7627.9	11315.7	395.9	711.9	18017.4	43613.2	9771.6
Taxa Richness	12	10	11	10	17	11	10	6	16	9	3	15	12	10
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	77	132	180	148	104	128	174	124	139	85	0.001	146	100	24
Fabaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Hi-Spine type	26	38	38	46	22	38	34	26	21	28	0	34	17	16
Ambrosia	0	0	0	0	2	0	0	0	3	0	0	2	2	2
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euphorbiaceae	5	0	25	4	10	4	4	0	1	3	0.001	1	0	2
Scrophulariaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onagraceae	0	0	0	0.001	0.001	0.001	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	4061	4062	4063	4064	4065	4066	4067	4073	4097	4098	4100	4111	4112	4122
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	6	4	20
Sample Weight	22.1	23.2	22.4	23.5	25.8	26.3	25.9	25.2	26.5	29.6	18.0	9.3	4.2	20.4
Tracers	13	44	44	18	16	24	18	28	25	432	10	59	42	24
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	37166	37166	21358
Pollen Sum	210	264	358	456	268	229	296	252	351	237	6	266	207	224
Pollen Concentration gr/gm or gr/wash	15611.5	5523.6	7757.9	23024.2	13866.1	7748.7	13560.6	7627.9	11315.7	395.9	711.9	18017.4	43613.2	9771.6
Taxa Richness	12	10	11	10	17	11	10	6	16	9	3	15	12	10
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0.001	0	0	0	0.001	0.001	0	0	0.001	0	0	0	0	0
Picea	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Abies	0	0	0	0	0	0	0	0	6	0	0	1	0	0.001
Pinus	12	4	2	52	22	0	2	36	114	3	0.001	8	22	88
Pinus edulis type	16	9	16	94	10	10	12	8	24	16	0	20	14	78
Juniperus	14	8	3	18	8	0	0	0	8	20	0	3	2	0
Quercus	0	0	0	0	0	0	0	0	2	0	0	1	0	0
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephedra	0	0	2	0	0	0	0	0	0	0	0	0	0	0
Artemisia	14	10	20	16	33	10	24	22	16	43	0	1	6	2
Unknown Small Artemisia	0	0	0	0	6	3	0	0	0	0	0	0	0	0
Sarcobatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	4061	4062	4063	4064	4065	4066	4067	4073	4097	4098	4100	4111	4112	4122
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	6	4	20
Sample Weight	22.1	23.2	22.4	23.5	25.8	26.3	25.9	25.2	26.5	29.6	18.0	9.3	4.2	20.4
Tracers	13	44	44	18	16	24	18	28	25	432	10	59	42	24
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	37166	37166	21358
Pollen Sum	210	264	358	456	268	229	296	252	351	237	6	266	207	224
Pollen Concentration gr/gm or gr/wash	15611.5	5523.6	7757.9	23024.2	13866.1	7748.7	13560.6	7627.9	11315.7	395.9	711.9	18017.4	43613.2	9771.6
Taxa Richness	12	10	11	10	17	11	10	6	16	9	3	15	12	10
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	42	56	68	76	42	30	36	36	1	36	6	44	36	8
Unknown	0	0	1	0	0	2	0	0	0	0	0	1	1	0
Total Aggregates	0	3	1	1	2	0	0	0	9	0	0	1	3	0
Cheno-Am Aggregates	0	3(8)	1(6)	1(6)	2(6)	0	0	0	9(16)	0	0	1(20)	3(20+)	0
Sunflower Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maize Aggregates	0	0	0	0	X(8)	0	X(6)	X(3)	X(10)	0	0	X(3)	X(3)	0
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ragweed/Bursage Aggregates	X(200+)	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
Specimen Number	4061	4062	4063	4064	4065	4066	4067	4073	4097	4098	4100	4111	4112	4122
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	6	4	20
Sample Weight	22.1	23.2	22.4	23.5	25.8	26.3	25.9	25.2	26.5	29.6	18.0	9.3	4.2	20.4
Tracers	13	44	44	18	16	24	18	28	25	432	10	59	42	24
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	37166	37166	21358
Pollen Sum	210	264	358	456	268	229	296	252	351	237	6	266	207	224
Pollen Concentration gr/gm or gr/wash	15611.5	5523.6	7757.9	23024.2	13866.1	7748.7	13560.6	7627.9	11315.7	395.9	711.9	18017.4	43613.2	9771.6
Taxa Richness	12	10	11	10	17	11	10	6	16	9	3	15	12	10
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	1	0	0	0	0	0	0	0	0

Table Y.18. Pollen counts from LA 12587, LA 86637, and LA 127631.

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	86637	86637	86637	127631
Specimen Number	4123	4128	4129	4130	4141	4154	4155	5120	5122	5123	274	275	276	14
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	23.8	26.1	24.2	30.3	21.4	23.5	21.8	25.4	25.6	28.9	24.9	23.8	23.6	18.3
Tracers	62	5	26	14	50	24	37	46	85	4	30	108	114	4
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	37166	37166	21358	21358	21358	21358	21358
Pollen Sum	276	233	296	204	269	240	232	252	231	224	215	228	347	229
Pollen Concentration gr/gm or gr/wash	3994.9	38133.4	10047.6	10271.2	5369.4	9088.5	6143.1	8015.9	3945.5	41385.7	6147.2	1894.5	2754.7	66816.7
Taxa Richness	10	13	11	10	13	13	12	13	11	12	12	9	6	10
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zea mays	0.001	0	0.001	0	8	0.001	0.001	2	2	0.001	0	0	0	0
Opuntia (Cylindro)	0	0	0	0.001	0	0	0	1	1	0.001	0	0	0	0
Opuntia (Platy)	0	0.001	0.001	0.001	0	0.001	1	0.001	1	0.001	0	0.001	0	0
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleome	4	0	0	0	4	0	3	2	1	4	0	0	0	0
cf. Helianthus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liliaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	2	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosaceae	0	0	0	0	1	0	0	0	0	0	1	0	0	1
Eriogonum	0	0	0	0	0	0	0	0	0	0	2	0	0	0
Brassicaceae	0	1	0	0	0	0	0	0	0	0	0	0	0	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	86637	86637	86637	127631
Specimen Number	4123	4128	4129	4130	4141	4154	4155	5120	5122	5123	274	275	276	14
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	23.8	26.1	24.2	30.3	21.4	23.5	21.8	25.4	25.6	28.9	24.9	23.8	23.6	18.3
Tracers	62	5	26	14	50	24	37	46	85	4	30	108	114	4
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	37166	37166	21358	21358	21358	21358	21358
Pollen Sum	276	233	296	204	269	240	232	252	231	224	215	228	347	229
Pollen Concentration gr/gm or gr/wash	3994.9	38133.4	10047.6	10271.2	5369.4	9088.5	6143.1	8015.9	3945.5	41385.7	6147.2	1894.5	2754.7	66816.7
Taxa Richness	10	13	11	10	13	13	12	13	11	12	12	9	6	10
Plantago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	0	8	0	4	6	8	1	9	1	10	0	6	1	6
Large Poaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Populus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	136	21	132	56	86	92	114	139	127	132	58	116	108	20
Fabaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Hi-Spine type	26	8	28	24	54	16	31	21	21	18	76	38	0	10
Ambrosia	0	4	1	2	16	0	1	0	2	2	11	4	0	10
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	178	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	0	0	0	0	5	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	86637	86637	86637	127631
Specimen Number	4123	4128	4129	4130	4141	4154	4155	5120	5122	5123	274	275	276	14
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	23.8	26.1	24.2	30.3	21.4	23.5	21.8	25.4	25.6	28.9	24.9	23.8	23.6	18.3
Tracers	62	5	26	14	50	24	37	46	85	4	30	108	114	4
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	37166	37166	21358	21358	21358	21358	21358
Pollen Sum	276	233	296	204	269	240	232	252	231	224	215	228	347	229
Pollen Concentration gr/gm or gr/wash	3994.9	38133.4	10047.6	10271.2	5369.4	9088.5	6143.1	8015.9	3945.5	41385.7	6147.2	1894.5	2754.7	66816.7
Taxa Richness	10	13	11	10	13	13	12	13	11	12	12	9	6	10
Euphorbiaceae	2	0	0	0	5	1	0	5	0	2	1	0	0	2
Scrophulariaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onagraceae	0	0	0	0	0	0.001	0	0	0	0	0	0	0	0
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0.001	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0.001	0	0	0	0	0	0	0	0
Picea	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Abies	0	3	2	0	0	0	0	0	0	0	0	0	0	0
Pinus	6	36	66	20	18	46	5	10	10	2	8	0	0	28
Pinus edulis type	16	102	12	66	26	48	10	12	21	2	16	12	0	98
Juniperus	2	31	20	16	0	14	4	1	0	0	4	4	2	42
Quercus	0	4	1	0	0	0	0	0	0	0	0	0	0	0
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephedra	0	2	0	0	0	0	2	1	0	0	0	0	0	0
Artemisia	8	1	12	0	24	12	15	5	3	4	10	8	2	10
Unknown Small Artemisia	2	0	0	0	8	0	0	0	0	0	0	2	8	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	86637	86637	86637	127631
Specimen Number	4123	4128	4129	4130	4141	4154	4155	5120	5122	5123	274	275	276	14
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	23.8	26.1	24.2	30.3	21.4	23.5	21.8	25.4	25.6	28.9	24.9	23.8	23.6	18.3
Tracers	62	5	26	14	50	24	37	46	85	4	30	108	114	4
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	37166	37166	21358	21358	21358	21358	21358
Pollen Sum	276	233	296	204	269	240	232	252	231	224	215	228	347	229
Pollen Concentration gr/gm or gr/wash	3994.9	38133.4	10047.6	10271.2	5369.4	9088.5	6143.1	8015.9	3945.5	41385.7	6147.2	1894.5	2754.7	66816.7
Taxa Richness	10	13	11	10	13	13	12	13	11	12	12	9	6	10
Sarcobatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	66	12	22	14	10	3	41	39	40	48	8	32	40	2
Unknown	8	0	0	0	1	0	3	3	0	0	14	6	1	0
Total Aggregates	0	0	0	0	0	0	1	2	1	0	0	0	7	0
Cheno-Am Aggregates	0	0	0	0	0	0	1(10)	1(50+)	0	0	0	0	0	0
Sunflower Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	7(8)	0
Grass Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maize Aggregates	0	0	0	0	0	X(4)	0	X(6)	1(12)	0	0	0	0	0
Prickly Pear Aggregates	0	0	0	0	0	0	0	X(8)	0	0	0	0	0	0
Pine Aggregates	0	0	0	0	0	0	0	X(500+)	0	0	0	0	0	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	X(75+)	0	0	0	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587	86637	86637	86637	127631
Specimen Number	4123	4128	4129	4130	4141	4154	4155	5120	5122	5123	274	275	276	14
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	23.8	26.1	24.2	30.3	21.4	23.5	21.8	25.4	25.6	28.9	24.9	23.8	23.6	18.3
Tracers	62	5	26	14	50	24	37	46	85	4	30	108	114	4
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	37166	37166	21358	21358	21358	21358	21358
Pollen Sum	276	233	296	204	269	240	232	252	231	224	215	228	347	229
Pollen Concentration gr/gm or gr/wash	3994.9	38133.4	10047.6	10271.2	5369.4	9088.5	6143.1	8015.9	3945.5	41385.7	6147.2	1894.5	2754.7	66816.7
Taxa Richness	10	13	11	10	13	13	12	13	11	12	12	9	6	10
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	1	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.19. Pollen counts from LA 127631 and LA 128803.

Site Number	127631	127631	127631	127631	127631	128803	128803	128803	128803	128803	128803	128803	128803	128803
Specimen Number	33	41	48	50	52	6	7	11	12	15	17	19	20	22
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	21.2	25.8	28.0	21.8	20.8	23.7	23.8	23.4	21.8	19.4	18.9	20.3	22.3	25.3
Tracers	16	131	20	60	70	242	194	164	174	256	310	82	360	104
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	108	229	208	215	215	231	235	266	308	223	114	239	200	269
Pollen Concentration gr/gm or gr/wash	6800.3	1447.1	7933.0	3510.7	3153.8	860.2	1087.1	1480.4	1734.2	959.0	415.6	3066.5	532.1	2183.5
Taxa Richness	11	10	10	5	10	10	10	12	11	13	9	11	9	11
Gossypium	0	0	0	0	0	0	0	0	0	0.001	0	0	0	0
Cucurbita	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zea mays	4	0	0	0	1	0	0	1	0.001	0	0	4	0	1
Opuntia (Cylindro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opuntia (Platy)	0	0	0	0	0.001	0	0	0	0	0.001	0	0	0	0
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleome	0	0	3	0	0	0	0	0	0	0	0	0	0	0
cf. Helianthus	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Liliaceae	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Solanaceae	8	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosaceae	0	3	0	0	1	1	0	0	0	4	0	0	0	1
Eriogonum	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brassicaceae	0	7	0	0	0	2	0	0	0	0	0	2	0	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	127631	127631	127631	127631	127631	128803	128803	128803	128803	128803	128803	128803	128803	128803
Specimen Number	33	41	48	50	52	6	7	11	12	15	17	19	20	22
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	21.2	25.8	28.0	21.8	20.8	23.7	23.8	23.4	21.8	19.4	18.9	20.3	22.3	25.3
Tracers	16	131	20	60	70	242	194	164	174	256	310	82	360	104
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	108	229	208	215	215	231	235	266	308	223	114	239	200	269
Pollen Concentration gr/gm or gr/wash	6800.3	1447.1	7933.0	3510.7	3153.8	860.2	1087.1	1480.4	1734.2	959.0	415.6	3066.5	532.1	2183.5
Taxa Richness	11	10	10	5	10	10	10	12	11	13	9	11	9	11
Plantago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	7	0	15	30	20	0	24	30	13	8	18	14	8	18
Large Poaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Populus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	22	56	48	38	28	38	20	40	90	28	22	44	57	52
Fabaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Hi-Spine type	6	30	28	32	16	31	102	50	92	42	10	14	30	64
Ambrosia	0	0	0	0	0	0	0	2	2	2	0	0	0	0
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	2	0	0	0	0	0	0

Site Number	127631	127631	127631	127631	127631	128803	128803	128803	128803	128803	128803	128803	128803	128803
Specimen Number	33	41	48	50	52	6	7	11	12	15	17	19	20	22
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	21.2	25.8	28.0	21.8	20.8	23.7	23.8	23.4	21.8	19.4	18.9	20.3	22.3	25.3
Tracers	16	131	20	60	70	242	194	164	174	256	310	82	360	104
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	108	229	208	215	215	231	235	266	308	223	114	239	200	269
Pollen Concentration gr/gm or gr/wash	6800.3	1447.1	7933.0	3510.7	3153.8	860.2	1087.1	1480.4	1734.2	959.0	415.6	3066.5	532.1	2183.5
Taxa Richness	11	10	10	5	10	10	10	12	11	13	9	11	9	11
Euphorbiaceae	0	0	4	0	0	4	10	24	10	0	0	3	8	7
Scrophulariaceae	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Onagraceae	0.001	0	0	0	0	0	2	0	0	0	0.001	0	0	0
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	7	0	0	0	0	0	0	0	0	0	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Picea	0	0	0	0	0	0	0	0	0	0	0.001	0	0	0
Abies	0	0	0	0	0	0	0	0	0	0	2	0	0	6
Pinus	2	13	4	0	10	22	4	2	6	22	12	24	10	12
Pinus edulis type	18	32	40	20	40	62	20	28	22	58	16	76	34	50
Juniperus	3	35	18	32	60	30	2	4	6	24	10	42	6	14
Quercus	0	0	0	0	0	0	4	0	2	2	0	1	2	0
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephedra	0	0	0	0	0	2	0	14	0	4	0	2	0	0
Artemisia	6	8	0	0	4	6	3	12	14	4	0	0	6	6
Unknown Small Artemisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	127631	127631	127631	127631	127631	128803	128803	128803	128803	128803	128803	128803	128803	128803
Specimen Number	33	41	48	50	52	6	7	11	12	15	17	19	20	22
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	21.2	25.8	28.0	21.8	20.8	23.7	23.8	23.4	21.8	19.4	18.9	20.3	22.3	25.3
Tracers	16	131	20	60	70	242	194	164	174	256	310	82	360	104
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	108	229	208	215	215	231	235	266	308	223	114	239	200	269
Pollen Concentration gr/gm or gr/wash	6800.3	1447.1	7933.0	3510.7	3153.8	860.2	1087.1	1480.4	1734.2	959.0	415.6	3066.5	532.1	2183.5
Taxa Richness	11	10	10	5	10	10	10	12	11	13	9	11	9	11
Sarcobatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	21	21	46	52	32	27	26	38	39	22	20	12	30	34
Unknown	10	16	0	11	3	6	8	19	10	2	0	1	8	1
Total Aggregates	0	0	0	0	0	0	10	0	2	1	4	0	1	3
Cheno-Am Aggregates	0	0	0	0	0	0	10(50+)	0	2(10)	1(20+)	4(20+)	0	0	2(10)
Sunflower Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maize Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	1(10)
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	127631	127631	127631	127631	127631	128803	128803	128803	128803	128803	128803	128803	128803	128803
Specimen Number	33	41	48	50	52	6	7	11	12	15	17	19	20	22
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	21.2	25.8	28.0	21.8	20.8	23.7	23.8	23.4	21.8	19.4	18.9	20.3	22.3	25.3
Tracers	16	131	20	60	70	242	194	164	174	256	310	82	360	104
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	108	229	208	215	215	231	235	266	308	223	114	239	200	269
Pollen Concentration gr/gm or gr/wash	6800.3	1447.1	7933.0	3510.7	3153.8	860.2	1087.1	1480.4	1734.2	959.0	415.6	3066.5	532.1	2183.5
Taxa Richness	11	10	10	5	10	10	10	12	11	13	9	11	9	11
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.20. Pollen counts from LA 128803, LA 128804, and LA 128805.

Site Number	128803	128803	128803	128803	128803	128803	128803	128804	128804	128804	128804	128805	128805	128805
Specimen Number	23	26	27	34	35	36	39	214	216	220	223	165	181	182
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	23.2	24.1	18.7	17.8	21.9	21.2	20.0	22.7	24.4	22.0	21.3	24.4	20.1	22.2
Tracers	176	128	136	139	70	16	96	164	216	806	364	42	122	62
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	206	202	208	245	246	100	206	266	239	222	218	286	268	437
Pollen Concentration gr/gm or gr/wash	1077.5	1398.6	1746.8	2114.9	3427.3	6296.6	2291.5	1526.1	968.5	267.4	600.5	5960.6	2334.2	6781.1
Taxa Richness	12	11	11	11	10	5	12	12	10	15	7	12	12	12
Gossypium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbita	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zea mays	0.001	0	0.001	1	0	0	0	0	0	0	0	0	0	0
Opuntia (Cylindro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opuntia (Platy)	0	0.001	2	0	0	0	0	1	0	0.001	0	0.001	0.001	0
Cactaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleome	0	0	0	0	0	0	0	0	0	0	0	0	0	3
cf. Helianthus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liliaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solanaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Typha	0	0	0	0	0	0	0	0	0	4	0	0	0	0
Cyperaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosaceae	0	0	1	0	0	0	0	0	0	0	0	0	0	3
Eriogonum	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brassicaceae	0	0	0	0	0	0	1	0	0	0	0	0	0	0
cf. Astragalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonum frilly (cf. paronychia) type	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	128803	128803	128803	128803	128803	128803	128803	128804	128804	128804	128804	128805	128805	128805
Specimen Number	23	26	27	34	35	36	39	214	216	220	223	165	181	182
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	23.2	24.1	18.7	17.8	21.9	21.2	20.0	22.7	24.4	22.0	21.3	24.4	20.1	22.2
Tracers	176	128	136	139	70	16	96	164	216	806	364	42	122	62
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	206	202	208	245	246	100	206	266	239	222	218	286	268	437
Pollen Concentration gr/gm or gr/wash	1077.5	1398.6	1746.8	2114.9	3427.3	6296.6	2291.5	1526.1	968.5	267.4	600.5	5960.6	2334.2	6781.1
Taxa Richness	12	11	11	11	10	5	12	12	10	15	7	12	12	12
Plantago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygala type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	6	4	6	5	8	0	10	8	4	2	8	6	2	8
Large Poaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Populus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juglans	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Betula	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Alnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheno-Am	34	55	52	52	40	28	46	30	48	64	38	60	38	126
Fabaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Hi-Spine type	33	23	48	30	32	8	26	26	44	56	0	66	20	16
Ambrosia	0	4	4	0	0	0	4	2	0	2	8	16	3	10
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liguliflorae	0	0	0	0	0	0	0	0	0	4	0	0	0	0
Sphaeralcea	0	0	0	0	0	0	0	0	0	0	0	0	0	2

Site Number	128803	128803	128803	128803	128803	128803	128803	128804	128804	128804	128804	128805	128805	128805
Specimen Number	23	26	27	34	35	36	39	214	216	220	223	165	181	182
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	23.2	24.1	18.7	17.8	21.9	21.2	20.0	22.7	24.4	22.0	21.3	24.4	20.1	22.2
Tracers	176	128	136	139	70	16	96	164	216	806	364	42	122	62
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	206	202	208	245	246	100	206	266	239	222	218	286	268	437
Pollen Concentration gr/gm or gr/wash	1077.5	1398.6	1746.8	2114.9	3427.3	6296.6	2291.5	1526.1	968.5	267.4	600.5	5960.6	2334.2	6781.1
Taxa Richness	12	11	11	11	10	5	12	12	10	15	7	12	12	12
Euphorbiaceae	4	8	5	2	2	4	4	4	1	0	0	0	2	0
Scrophulariaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onagraceae	6	0	0	0	0	0	0	0	0	0	0	0.001	0	0
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	0	0	0	0	0	0	0	2	0	0	0
Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudotsuga	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Picea	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Abies	0	0	0	0	0	0	1	0	0	1	0	2	1	0
Pinus	2	20	14	9	12	0	10	24	4	10	12	18	22	28
Pinus edulis type	26	22	24	93	92	27	62	100	40	32	70	46	138	82
Juniperus	23	34	14	20	29	0	6	46	34	30	16	10	22	78
Quercus	1	4	0	2	5	0	0	2	2	0	0	0	0	0
Rhus type	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fraxinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhamnaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephedra	1	0	0	2	1	0	0	4	4	2	0	2	2	0
Artemisia	10	12	0	5	1	12	6	10	2	8	0	8	8	14
Unknown Small Artemisia	0	0	0	0	0	0	0	0	0	6	0	0	0	0

Site Number	128803	128803	128803	128803	128803	128803	128803	128804	128804	128804	128804	128805	128805	128805
Specimen Number	23	26	27	34	35	36	39	214	216	220	223	165	181	182
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	23.2	24.1	18.7	17.8	21.9	21.2	20.0	22.7	24.4	22.0	21.3	24.4	20.1	22.2
Tracers	176	128	136	139	70	16	96	164	216	806	364	42	122	62
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	206	202	208	245	246	100	206	266	239	222	218	286	268	437
Pollen Concentration gr/gm or gr/wash	1077.5	1398.6	1746.8	2114.9	3427.3	6296.6	2291.5	1526.1	968.5	267.4	600.5	5960.6	2334.2	6781.1
Taxa Richness	12	11	11	11	10	5	12	12	10	15	7	12	12	12
Sarcobatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ulmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elaeagnus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Erodium	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deteriorated	48	16	30	16	22	17	28	6	48	0	58	46	0	46
Unknown	12	0	6	8	2	4	1	2	8	0	6	6	8	20
Total Aggregates	0	0	2	0	0	0	0	1	0	0	0	0	2	0
Cheno-Am Aggregates	0	0	2(8)	0	0	0	0	0	0	0	0	0	1(20+)	0
Sunflower Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	1(10)	0
Grass Aggregates	0	0	0	0	0	0	0	1(4)	0	0	0	0	0	0
Maize Aggregates	X(7)	0	0	0	0	0	0	0	0	0	0	0	0	0
Prickly Pear Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juniper Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	128803	128803	128803	128803	128803	128803	128803	128804	128804	128804	128804	128805	128805	128805
Specimen Number	23	26	27	34	35	36	39	214	216	220	223	165	181	182
Sample Volume	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Sample Weight	23.2	24.1	18.7	17.8	21.9	21.2	20.0	22.7	24.4	22.0	21.3	24.4	20.1	22.2
Tracers	176	128	136	139	70	16	96	164	216	806	364	42	122	62
Tracer Conc.	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358	21358
Pollen Sum	206	202	208	245	246	100	206	266	239	222	218	286	268	437
Pollen Concentration gr/gm or gr/wash	1077.5	1398.6	1746.8	2114.9	3427.3	6296.6	2291.5	1526.1	968.5	267.4	600.5	5960.6	2334.2	6781.1
Taxa Richness	12	11	11	11	10	5	12	12	10	15	7	12	12	12
Mustard Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. Locoweed Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trilete Spore	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table Y.21. Pollen counts from LA 128803, LA 128804, and LA 128805.

Site Number	128805	128805	128805	128805	128805
Specimen Number	200	205	222	226	245
Sample Volume	20	20	20	20	20
Sample Weight	26.3	22.9	24.3	25.1	20.0
Tracers	114	90	62	44	76
Tracer Conc.	21358	21358	21358	21358	21358
Pollen Sum	235	311	252	287	256
Pollen Concentration gr/gm or gr/wash	1674.0	3222.9	3572.4	5550.3	3597.1
Taxa Richness	11	13	10	12	12
Gossypium	0	0	0	0	0
Cucurbita	0	0	0	0	0
Zea mays	0	0	0	2	0
Opuntia (Cylindro)	0	0	0	0	0
Opuntia (Platy)	0	2	0.001	0	2
Cactaceae	0	0	0	0	0
Cleome	0	0	0	0	0
cf. Helianthus	0	0	0	0	0
Liliaceae	0	0	0	0	0
Solanaceae	0	0	0	0	0
Apiaceae	0	0	0	0	0
Typha	0	0	0	0	1
Cyperaceae	0	0	0	0	0
Lamiaceae	0	0	0	0	0
Portulaca	0	0	0	0	0
Rosaceae	0	0	0	2	0
Eriogonum	0	2	0	0	0
Brassicaceae	0	0	0	0	0
cf. Astragalus	0	0	0	0	0
Polygonaceae	0	0	0	0	0
Polygonum frilly (cf. paronychia) type	0	0	0	0	0
Plantago	0	0	0	0	0
Polygala type	0	0	0	0	0

Site Number	128805	128805	128805	128805	128805
Specimen Number	200	205	222	226	245
Sample Volume	20	20	20	20	20
Sample Weight	26.3	22.9	24.3	25.1	20.0
Tracers	114	90	62	44	76
Tracer Conc.	21358	21358	21358	21358	21358
Pollen Sum	235	311	252	287	256
Pollen Concentration gr/gm or gr/wash	1674.0	3222.9	3572.4	5550.3	3597.1
Taxa Richness	11	13	10	12	12
Poaceae	22	2	2	12	8
Large Poaceae	0	0	0	0	0
Populus	0	0	0	0	0
Juglans	0	0	0	0	0
Betula	0	0	0	0	0
Alnus	0	0	0	0	0
Salix	0	0	0	0	0
Cheno-Am	46	60	36	68	24
Fabaceae	0	0	0	0	0
Asteraceae Hi-Spine type	92	90	54	60	20
Ambrosia	6	12	10	14	12
Unknown Asteraceae LA 86637Sunflower Family Unknown	0	0	0	0	0
Asteraceae Broad Spine type	0	0	0	0	0
Unknown Asteraceae Low-Spine type cf. Iva	0	0	0	2	0
Liguliflorae	0	0	0	0	0
Sphaeralcea	0	0	0	0	0
Euphorbiaceae	1	4	14	0	2
Scrophulariaceae	0	0	0	0	0
Onagraceae	0	0.001	0	0	0
Unknown cf. Brassicaceae (prolate, semi-tectate)	0	0	0	1	1
Nyctaginaceae	0.001	0	0	0	0
Unknown cf. Nyctaginaceae	0	0	0	0	0
Convolvulaceae	0	0	0	0	0
Pseudotsuga	0	0	0	0	0

Site Number	128805	128805	128805	128805	128805
Specimen Number	200	205	222	226	245
Sample Volume	20	20	20	20	20
Sample Weight	26.3	22.9	24.3	25.1	20.0
Tracers	114	90	62	44	76
Tracer Conc.	21358	21358	21358	21358	21358
Pollen Sum	235	311	252	287	256
Pollen Concentration gr/gm or gr/wash	1674.0	3222.9	3572.4	5550.3	3597.1
Taxa Richness	11	13	10	12	12
Picea	0	0	0	0	0
Abies	0	0	0	0	0
Pinus	12	28	16	14	18
Pinus edulis type	24	42	62	36	100
Juniperus	8	22	22	24	12
Quercus	3	0	0	0	0
Rhus type	0	0	0	0	0
Fraxinus	0	0	0	0	0
Rhamnaceae	0	0	0	0	0
Ephedra	0	2	0	0	0
Artemisia	8	8	8	8	16
Unknown Small Artemisia	0	0	0	0	0
Sarcobatus	0	0	0	0	0
Ulmus	0	0	0	0	0
Elaeagnus	0	0	0	0	0
Erodium	0	0	0	0	0
Carya	0	0	0	0	0
Deteriorated	12	30	20	34	38
Unknown	1	6	8	10	2
Total Aggregates	0	1	0	0	0
Cheno-Am Aggregates	0	0	0	0	0
Sunflower Family Aggregates	0	0	0	0	0
Grass Aggregates	0	0	0	0	0
Maize Aggregates	0	0	0	0	0
Prickly Pear Aggregates	0	X(8)	0	0	0

Site Number	128805	128805	128805	128805	128805
Specimen Number	200	205	222	226	245
Sample Volume	20	20	20	20	20
Sample Weight	26.3	22.9	24.3	25.1	20.0
Tracers	114	90	62	44	76
Tracer Conc.	21358	21358	21358	21358	21358
Pollen Sum	235	311	252	287	256
Pollen Concentration gr/gm or gr/wash	1674.0	3222.9	3572.4	5550.3	3597.1
Taxa Richness	11	13	10	12	12
Pine Aggregates	0	0	0	0	0
Juniper Aggregates	0	1(20+)	0	0	0
Small Sagebrush Aggregates	0	0	0	0	0
Sagebrush Aggregates	0	0	0	0	0
Ragweed/Bursage Aggregates	0	0	0	0	0
Mustard Aggregates	0	0	0	0	0
cf. Locoweed Aggregates	0	0	0	0	0
Cactus Family Aggregates	0	0	0	0	0
Globemallow Aggregates	0	0	0	0	0
Trilete Spore	0	0	0	0	0

Note: .001 notes scan-identified taxi. Aggregate notation shows number of aggregates and size of largest aggregate in ( ).

APPENDIX Z
TECHNICAL REPORT ON DATING OF CERAMIC MATERIALS FROM LOS ALAMOS, NEW MEXICO

Technical data on the luminescence analysis of 33 ceramic materials from sites near Los Alamos, New Mexico, were originally presented in a series of four reports. These are combined here to reduce repetition. Because table formats differed slightly from report to report, the original tables are maintained in this appendix, which should also facilitate keeping separate each set of analyses. The samples are listed in Tables Z.1 through Z.4. The general laboratory procedures are presented at the end of the appendix.

Table Z.1. TL samples from the 2002 excavations.

Lab #	Site	FS#	Room	Material	Context	Burial Depth (cm)
UW1030	LA12587	1274	2	B/W sherd	Room floor	43
UW1031	LA12587	2078	7	B/W sherd	Room floor	32
UW1032	LA12587	4098	7	Burned plaster	Hearth	35
UW1033	LA12587	4209	2	Burned plaster	Hearth	63
UW1034	LA86534	1336	1	Burned plaster	Hearth	35
UW1035	LA86534	1651	2	Burned plaster	Hearth	45
UW1036	LA86534	2250	9	Burned plaster	Hearth	175
UW1037	LA4618	806	10	Burned adobe	Kiva hearth	180

Table Z.2. TL samples from the 2003 excavations.

UW Lab #	Type	Site	FS#	area	Room/feature	Burial Depth (cm)
UW1236	Adobe	135290	1424	1	4	32
UW1237	Floor	135290	1950	1	6	35
UW1238	Wall	135290	1738	1	6	38
UW1239	Sherd	135290	2400	1	7	30
UW1240	Sherd	135290	2259	1	2/11	65
UW1241	Sherd	135290	2379	1	2	57
UW1242	Floor	135290	2458	1	4	50
UW1243	Hearth rim	135290	2595	1	8/9	44
UW1244	Hearth base	135290	2574	1	8/9	44
UW1245	Sherd	85869	328	6		0
UW1246	Sherd	99396	414	1	1	10
UW1247	sherd	99396	612	1	1	22

Table Z.3. TL samples from the 2004 excavations.

UW Lab #	Site	FS #	Ceramic Type	Provenience	Burial Depth (cm)
UW1416	87430	123	Biscuit B	North wall Room 1	16
UW1417	127634	43	Biscuit B	East wall Room 1	8
UW1418	127634	95	Biscuit B	East of Room 1	17

UW Lab #	Site	FS #	Ceramic Type	Provenience	Burial Depth (cm)
UW1419	127635	106	Micaceous Plainware	(not specified)	40

Table Z.4. TL samples from the 2005 excavations.

UW Lab #	Site	FS#	Ceramic Type	Provenience	Burial Depth (cm)
UW1502	85411	30	Biscuit A	Room 1 stratum 3	20
UW1503	85411	68	Biscuit A	Room 1 stratum 2	25
UW1504	85417	47	Santa Fe B/w	Stratum 2	23
UW1505	85417	104	Burned adobe	Stratum 3	11
UW1506	85417	136	Burned adobe	Room 1 stratum 2	30
UW1507	85417	151	Burned floor	Room 1 stratum 5	40
UW1508	85861	142	Grey ware	Room 1 stratum 2	33
UW1509	85861	249	Burned plaster	Room 2 stratum 2	30
UW1586	85404	92	Burned floor	Stratum 3	29

Dose Rate

Dose rates were determined from radioactivity measurements using alpha counting (for U and Th) and flame photometry (for K). These results are given in Tables Z.5 through Z.8. Also given in these tables are the comparisons of beta dose rates measured directly by beta counting and derived analytically from alpha counting/flame photometry assuming secular equilibrium in the U and Th decay chains. Where these differ significantly, a possibility of disequilibrium is present. In the latter case, the more direct measure from beta counting is used in the age calculation. Otherwise the more precise alpha counting and flame photometry results are used. Average moisture contents through time for the samples were estimated at 70±30 percent of currently measured absorption values. Moisture contents of 10.5 percent were assumed for the associated sediments. Tables Z.9 through Z.12 give the total dose rates for TL. The OSL dose rates differ slightly because of differences in alpha efficiency.

Table Z.5. Dose rates from radioactivity measurements for 2002 samples.

Sample	U (ppm)	Th (ppm	K (%)	β dose rate (Gy/ka)	
				α-counting/flame phot.	β-counting
UW1030	6.70±0.42	14.46±1.79	3.18±0.03	3.922±0.082	3.884±0.258
Sediment	3.34±0.29	17.94±1.81	2.24±0.05		
UW1031	5.18±0.35	14.50±1.60	3.19±0.04	3.708±0.074	3.691±0.252
Sediment	2.24±0.22	15.00±1.52	2.14±0.05		
UW1032	3.06±0.28	17.85±1.86	2.30±0.02	2.783±0.067	2.874±0.186
Sediment	2.62±0.27	20.34±1.87	2.12±0.04		
UW1033	2.61±0.25	15.90±1.72	2.41±0.33	2.748±0.273	2.799±0.181
Sediment	2.78±0.26	17.76±1.83	2.22±0.01		
UW1034	2.52±0.29	22.90±2.15	2.33±0.07	2.863±0.094	2.661±0.178
Sediment	3.06±0.29	20.05±2.00	1.96±0.01		

Sample	U (ppm)	Th (ppm	K (%)	β dose rate (Gy/ka)	
				α-counting/flame phot.	β-counting
UW1035	4.65±0.31	11.70±1.53	2.08±0.03	2.664±0.065	2.606±0.172
Sediment	2.72±0.30	23.06±2.13	2.08±0.06		
UW1036	4.05±0.30	14.18±1.66	2.16±0.01	2.715±0.066	2.806±0.182
Sediment	3.23±0.30	20.02±2.00	2.10±0.05		
UW1037	2.90±0.25	14.71±1.66	2.81±0.31	3.080±0.252	2.996±0.196
sediment	2.86±0.23	11.56±1.45	2.71±0.15		

Table Z.6. Dose rates from radioactivity measurements for 2003 samples.

Sample	^{238}U (ppm)	^{232}Th (ppm)	K (%)	Beta dose rate (Gy/ka)	
				ß-counting	α-counting/flame photometry
UW1236	3.51±0.25	12.95±1.24	1.97±0.04	2.268±0.153	2.445±0.061
Sediment	3.40±0.27	14.37±1.65	2.10±0.01		
UW1237	3.93±0.23	4.44±0.84	2.03±0.02	2.330±0.157	2.327±0.043
sediment	3.17±0.27	15.69±1.72	2.16±0.08		
UW1238	2.76±0.27	19.55±1.84	2.08±0.04	2.321±0.179	2.605±0.072*
Sediment	2.48±0.29	22.98±2.15	2.02±0.06		
UW1239	5.88±0.37	12.27±1.61	2.15±0.03	2.793±0.237	2.920±0.074
Sediment	Use data from UW1238				
UW1240	4.72±0.20	13.45±1.02	2.13±0.02	2.838±0.187	2.767±0.045
Sediment	3.63±0.28	13.44±1.60	2.06±0.03		
UW1241	4.58±0.32	14.68±1.69	1.82±0.06	2.278±0.149	2.526±0.080*
Sediment	3.41±0.29	17.46±1.84	2.16±0.01		
UW1242	2.68±0.19	8.29±1.08	1.88±0.19	2.278±0.149	2.122±0.155
Sediment	2.32±0.25	18.57±1.76	2.04±0.06		
UW1243	4.28±0.28	10.73±1.33	2.06±0.07	2.275±0.149	2.571±0.077*
Sediment	3.09±0.22	9.49±1.29	2.19±0.01		
UW1244	3.37±0.24	9.61±1.32	2.10±0.06	2.357±0.161	2.442±0.072
Sediment	3.09±0.22	9.49±1.29	2.19±0.01		
UW1245	5.94±0.41	19.50±2.04	2.65±0.10	3.386±0.230	3.523±0.112
Sediment	4.83±0.35	16.53±1.84	2.02±0.07		
UW1246	5.62±0.35	11.51±1.53	2.29±0.05	2.665±0.171	2.974±0.078*
Sediment	2.79±0.26	16.76±1.79	2.29±0.08		
UW1247	3.49±0.28	16.02±1.73	1.93±0.03	2.255±0.158	2.493±0.068
sediment	2.79±0.26	16.76±1.79	2.29±0.08		

*indicates significant difference from beta counting

Table Z.7. Dose rates from radioactivity measurements for 2004 samples.

Sample	^{238}U (ppm)	^{232}Th (ppm)	K (%)	Beta dose rate (Gy/ka)	
				ß-counting	α-counting/flame photometry
UW1416	5.89±0.40	18.06±1.85	3.53±0.14	3.94±0.34	4.19±0.13
Sediment	3.78±0.29	15.57±1.58	2.37±0.02		
UW1417	5.84±0.36	11.16±1.51	2.54±0.01	3.15±0.28	3.20±0.07
UW1418	6.39±0.42	16.51±1.89	2.76±0.09	3.26±0.26	3.60±0.11
Sediment	5.86±0.39	16.11±1.87	2.68±0.03		
UW1419	4.56±0.30	12.37±1.31	2.01±0.01	2.50±0.19	2.62±0.06
sediment	4.73±0.35	17.09±1.87	2.49±0.02		

Table Z.8. Dose rates from radioactivity measurements for 2005 samples.

Sample	^{238}U (ppm)	^{232}Th (ppm)	% K	Beta dose rate (Gy/ka)	
				ß-counting	α-counting/flame photometry
UW1502	5.27±0.35	12.74±1.62	2.53±0.10	3.05±0.26	3.15±0.11
UW1503	4.16±0.32	17.12±1.85	2.52±0.11	3.16±0.26	3.09±0.11
Sed (181)	5.49±0.37	17.24±1.61	2.29±0.08		
UW1504	7.06±0.42	11.87±1.52	2.15±0.08	3.04±0.25	2.98±0.19
UW1505	5.45±0.41	22.01±2.20	2.12±0.06	2.92±.24	3.09±0.10
UW1506	7.00±0.43	14.02±1.72	2.11±0.03	3.21±0.26	3.09±0.08
Sed (99)	6.41±0.45	23.46±1.99	2.14±0.04		
Sed (82)	4.37±0.35	20.68±1.95	1.98±0.15		
UW1507	4.52±0.45	37.34±2.63	2.20±0.02	3.12±0.30	3.44±0.10
Sed (152)	5.45±0.51	38.29±3.11	2.30±0.01		
UW1508	3.80±0.25	8.55±1.17	2.02±0.06	2.60±0.21	2.41±0.07
Sed (188)	4.87±0.38	21.72±2.17	2.24±0.10		
UW1509	5.88±0.42	21.66±2.17	2.15±0.03	2.81±0.24	3.18±0.09*
Sed (250)	4.94±0.40	25.16±2.36	2.14±0.13		
UW1586	3.43±0.26	13.19±1.52	2.39±0.04	3.01±0.29	2.78±0.07
Sed (111)	3.38±0.29	18.48±1.71	2.20±0.10		

*indicates significant difference from beta counting

Table Z.9. Dose rates (Gy/ka) for 2002 TL samples.

Sample	alpha	beta	gamma	cosmic	total
UW1030	2.340±0.228	3.464±0.188	1.698±0.120	0.296±0.061	7.798±0.325
UW1031	1.493±0.138	3.223±0.192	1.444±0.100	0.309±0.064	6.469±0.265
UW1032	1.298±0.161	2.395±0.154	1.644±0.107	0.305±0.063	5.641±0.255
UW1033	1.001±0.127	2.240±0.285	1.559±0.106	0.279±0.058	5.079±0.334
UW1034	1.059±0.126	2.437±0.175	1.684±0.123	0.316±0.065	5.496±0.257
UW1035	1.357±0.157	2.272±0.154	1.766±0.130	0.305±0.063	5.699±0.263

Sample	alpha	beta	gamma	cosmic	total
UW1036	1.453±0.186	2.219±0.181	1.687±0.120	0.240±0.050	5.599±0.290
UW1037	1.070±0.134	2.618±0.273	1.439±0.101	0.235±0.049	5.362±0.324

Table Z.10. Dose rates (Gy/ka) for 2003 TL samples.

Sample	alpha	beta	gamma	cosmic	total
UW1236	0.985±0.106	2.114±0.134	1.454±0.101	0.320±0.066	4.873±0.209
UW1237	1.179±0.121	2.018±0.121	1.419±0.099	0.316±0.065	4.932±0.224
UW1238	1.610±0.195	2.014±0.193	1.721±0.121	0.312±0.065	5.657±0.299
UW1239	2.745±0.449	2.569±0.148	1.752±0.132	0.323±0.067	7.389±0.495
UW1240	1.780±0.266	2.510±0.109	1.455±0.104	0.288±0.060	6.032±0.311
UW1241	3.371±0.369	2.100±0.154	1.622±0.117	0.294±0.061	7.387±0.421
UW1242	1.015±0.082	1.880±0.166	1.428±0.100	0.300±0.062	4.622±0.219
UW1243	1.213±0.172	1.758±0.206	1.250±0.086	0.305±0.063	4.526±0.289
UW1244	1.216±0.134	2.024±0.160	1.231±0.082	0.305±0.063	4.777±0.233
UW1245	3.394±0.583	3.173±0.169	0.955±0.066	0.396±0.082	7.919±0.616
UW1246	2.268±0.284	2.316±0.197	1.395±0.135	0.365±0.075	6.344±0.379
UW1247	1.577±0.192	2.245±0.114	1.512±0.113	0.337±0.070	5.671±0.259

Table Z.11. Dose rates (Gy/ka) for 2004 TL samples.

Sample	alpha	beta	gamma	cosmic	total
UW1416	1.94±0.25	3.54±0.26	1.59±0.11	0.35±0.07	7.42±0.39
UW1417	1.67±0.20	2.67±0.20	1.64±0.15	0.37±0.08	6.35±0.33
UW1418	3.80±0.82	3.04±0.22	1.84±0.13	0.34±0.07	9.03±0.87
UW1419	3.06±0.41	2.39±010	1.79±0.13	0.31±0.06	7.56±0.44

Table Z.12. Dose rates (Gy/ka) for 2005 TL samples.

Sample	alpha	beta	gamma	cosmic	total
UW1502	5.27±1.20	2.66±0.20	1.78±0.12	0.34±0.07	10.05±1.23
UW1503	2.92±0.49	2.63±0.19	1.81±0.12	0.33±0.07	7.69±0.55
UW1504	1.55±0.20	2.61±0.19	1.95±0.13	0.33±0.07	6.44±0.31
UW1505	1.58±0.20	2.67±0.18	1.97±0.15	0.36±0.07	6.58±0.31
UW1506	2.41±0.38	2.55±0.20	1.82±0.12	0.32±0.07	7.11±0.46
UW1507	3.45±0.35	2.89±0.22	2.79±0.19	0.31±0.06	9.44±0.46
UW1508	1.38±0.17	2.04±0.15	1.93±0.14	0.32±0.07	5.66±0.28
UW1509	1.88±0.18	2.44±0.25	2.12±0.15	0.32±0.07	6.76±0.35
UW1586	1.56±0.20	2.29±0.18	1.62±0.11	0.32±0.07	5.79±0.30

Equivalent Dose

Equivalent dose was measured by TL, OSL and IRSL, as described in the procedures section. Anomalous fading was measured for TL only. The correction for lower alpha efficiency, b-

value, was measured for all three, except for the first two sets (UW1030-UW1037 and UW1236-UW1247) where it was only measured for TL. A b-value of 0.7 ± 0.3 was assumed for the OSL b-value for these samples (based on measurements of other samples). Tables Z.13 through Z.17 give equivalent dose values and b-values, as well as the TL plateau region, the fit to the TL growth curves and the slope ratio between additive dose and regeneration TL growth curves. Where no IRSL or OSL equivalent value is given, no measurable signal was obtained.

Table Z.13. Equivalent dose values and b-values for the 2002 TL samples.

Sample	Equivalent dose (Gy)			TL parameters		
	TL	IRSL	OSL	Plateau (°C)	Slope ratio*	b-value (Gy μm^2)
UW1030	6.06±0.46			240-300	1	1.47±0.10
UW1031	6.29±0.61	3.70±0.71	5.54±0.63	290-350	0.66±0.05	1.11±0.03
UW1032	7.46±0.53	5.64±0.45	6.78±1.29	None	1	1.12±0.11
UW1033	7.42±0.67		4.48±0.28	310-370	0.75±0.06	1.05±0.06
UW1034	4.25±0.46	3.92±0.41	4.25±0.13	300-340	1	0.83±0.06
UW1035	3.30±0.36	3.14±0.48	6.18±0.99	270-390	1.51±0.14	1.20±0.10
UW1036	4.26±1.33	4.18±0.44	4.43±0.21	320-360	1.90±0.28	1.34±0.11
UW1037	3.63±0.40	3.72±0.46		310-410	1.36±0.12	1.07±0.10

* Growth curve fits were linear for all samples except for UW1030, UW1031, UW1032 and UW1037 for which they were quadratic.

Table Z.14. Equivalent dose values and b-values for the 2003 TL samples.

Sample	Equivalent dose (Gy)			TL Parameters		
	TL	IRSL	OSL	plateau (°C)	Slope ratio*	b-value (Gy μm^2)
UW1236	5.07±0.70	4.07±0.50	4.38±0.08	250-310	3.10±0.27	0.95±0.07
UW1237	4.90±0.66		3.50±0.32	250-310	1	1.56±0.14
UW1238	2.54±0.44	4.17±0.57	4.32±0.08	250-290	1.39±0.07	1.34±0.11
UW1239	5.48±0.38	4.38±0.54	4.78±0.22	250-360	1	1.98±0.28
UW1240	5.31±0.95		5.09±0.44	250-350	NA	1.37±0.26
UW1241	5.38±0.64	8.46±1.32	5.91±0.31	270-350	1.34±0.16	2.48±0.23
UW1242	5.36±0.29	5.10±0.69	4.42±0.13	260-320	1.42±0.06	1.36±0.06
UW1243	4.22±0.54	4.15±0.44	5.25±0.44	250-310	1.28±0.09	1.31±0.10
UW1244	2.72±0.32	3.45±0.59	4.79±0.34	250-360	2.42±0.17	1.45±0.08
UW1245	0.98±0.14	1.12±0.27	0.94±0.03	270-340	NA	1.95±0.30
UW1246	4.67±0.47	5.72±0.66	5.82±0.33	260-320	1.38±0.11	1.75±0.17
UW1247	4.70±0.52	3.80±0.39	4.24±0.11	250-340	2.50±0.25	1.30±0.13

* Growth curve fits were linear for all samples except UW1244. For UW1240 and UW1245, only an additive dose procedure was used because the regeneration growth curves resulted in a significant negative intercept, suggesting a growth curve of a different shape than for additive dose and therefore not amenable to the slide technique.

Table Z.15. Equivalent dose values and b-values for the 2004 TL samples.

Sample	UW1416	UW1417	UW1418	UW1419
Equivalent dose (Gy)				
TL	3.46±0.20	1.58±0.33	2.39±0.28	5.66±0.73
IRSL	3.28±0.32	2.48±0.33	4.13±1.46	2.82±0.25
OSL	4.02±0.16	2.97±0.09	3.16±0.08	18.01±2.29
TL parameters				
Plateau (°C)	270-350	260-380	250-390	250-400
Fit	linear	linear	Linear	Linear
$1^{st}/2^{nd}$ glow ratio[a]	1	1.78±0.13	1	0.69±0.09
b-value (Gy μm^2)				
TL	1.25±0.12	1.33±0.10	2.44±0.46	2.46±0.28
IRSL	1.26±0.27	1.82±0.41		1.60±0.40
OSL	0.62±0.02	0.65±0.02	0.61±0.02	0.68±0.05

Table Z.16. Equivalent dose values and b-values for the 2005 TL samples.

Sample	Equivalent dose (Gy)			b-value (Gy μm^2)		
	TL	IRSL	OSL	TL	IRSL	OSL
UW1502	6.10±1.69	7.67±0.82	3.56±0.19	4.22±0.84	2.39±0.53	0.84±0.06
UW1503	3.08±0.18	6.59±0.91	7.41±0.94	2.28±0.32	2.71±0.46	1.33±0.08
UW1504	4.29±0.36	6.48±0.89	4.80±0.18	1.05±0.10	2.41±0.34	0.81±0.32*
UW1505	6.66±0.33	5.32±0.34	6.07±0.54	0.94±0.09	2.39±0.34	0.57±0.03
UW1506	5.18±0.23	4.80±0.18	High**	1.60±0.20	2.76±0.32	--
UW1507	5.77±0.68	4.00±0.33	4.47±0.27	1.64±0.09	1.49±0.29	0.79±0.09
UW1508	4.01±0.13	3.14±0.14	High**	1.57±0.14	2.64±0.28	--
UW1509	3.37±0.37	5.28±0.34	4.69±0.16	1.08±0.06	2.08±0.30	0.51±0.02
UW1586	2.69±0.42	3.82±0.32	3.26±0.09	1.59±0.13	--	0.81±0.32*

* Average of other values from this set. No good measure on either sample was obtained. ** The natural OSL signals on these sherds were abnormally high, possibly reflecting insufficient firing to reset the signal at the time of manufacture.

Table Z.17. Equivalent dose values and b-values for the 2005 TL samples.

Sample	TL plateau (°C)	Growth curve fit	$1^{st}/2^{nd}$ glow slope ratio
UW1502	250-360	Linear	0.61±0.11
UW1503	280-320	Linear	1.0
UW1504	310-360	Linear	1.20±0.10
UW1505	260-310	Linear	1.0
UW1506	250-370	Linear	1.0
UW1507	250-280	Linear	1.98±0.12
UW1508	290-330	Linear	1.0
UW1509	250-330	Linear	1.83±0.09
UW1586	250-340	Linear	1.35±0.12

Table Z.18 lists samples according to whether significant fading was evident in the TL data, and if so whether a correction to the age could be applied.

Table Z.18. Significant fading test results for the TL data.

Group	No fading test or poor fading results	No significant fading evident	Fading but no correction	Fading and corrected
2004 set	UW1033	UW1030, UW1031, UW1034, UW1036, UW1037	UW1032,	UW1035
2005 set	UW1240, UW1241, UW1242, UW1245, UW1247		UW1236, UW1237, UW1239, UW1244, UW1246	UW1238, UW1243
2006 set	UW1418	UW1419	UW1502	UW1416, UW1417
2007 set	UW1507	UW1504	UW1505	UW1503, UW1506, UW1508, UW1509, UW1586

Age

Tables Z.19 through Z.22 give the derived ages and their bases. Discussion of the ages follows. For the sites excavated in 2002, the TL and OSL ages agreed on UW1031, UW1032, UW1034, UW1035, and UW1036, although the OSL age for UW1035 was based on only a single aliquot. On UW1032, even though the TL and OSL ages agreed, both produced anomalously old ages. The sample had no TL plateau, so it is probable the sample was not fired sufficiently in antiquity and therefore carries a small geological residual signal. UW1030 and UW1037 had no measurable OSL signal, so the age was based only on TL. Neither sample showed significant fading. For UW1033, the TL age was anomalously old, so the OSL age was taken as the best estimate. This sample may also have suffered from insufficient firing.

Table Z.19. Derived ages and bases for the 2002 TL data.

Sample	Basis	Years BP	% error	Years AD
UW1030	TL	777±68	8.7	1226±68
UW1031	TL/OSL	956±80	8.4	1047±80
UW1032	TL/OSL	1321±120	9.1	682±120
UW1033	OSL	943±109	11.6	1060±109
UW1034	TL/OSL	815±59	11.1	1188±59
UW1035	OSL/corrected TL	1202±201	16.7	801±201
UW1036	TL/OSL	821±42	5.1	1182±42
UW1037	TL	678±86	12.7	1325±86

In eight of the 2003 excavated samples, the TL and OSL ages were in agreement, for UW1238 only after the TL age was corrected for fading. On three samples, UW1241, UW1244 and UW1246, the TL age was younger than the OSL age, probably due to fading of the TL signal. This was verified by fading tests for UW1244 and UW1246, although an attempted correction produced an unrealistically old age. Fading was assumed for UW1241, for which no fading test was performed due to sample size. The OSL age was considered the best estimate for all three. For UW1243, the OSL produced an unreasonably old age (perhaps because of insufficient heating), so the TL age, corrected for fading, was taken as the best estimate. The sample had a relatively small TL plateau.

Table Z.20. Derived ages and bases for the 2003 TL samples.

Sample	Basis	Age (ka)	% error	Date (years AD)
UW1236	OSL/TL	0.970±0.072	7.4	1035 ± 73
UW1237	OSL/TL	0.871±0.079	9.1	1134 ± 79
UW1238	OSL/TL	0.891±0.085	9.6	1114± 85
UW1239	OSL/TL	0.788±0.056	7.0	1217 ± 56
UW1240	OSL/TL	0.955±0.090	9.4	1050 ± 90
UW1241	OSL	1.189±0.133	11.2	816 ± 133
UW1242	OSL/TL	1.117±0.062	5.6	888 ± 62
UW1243	TL	0.932±0.135	14.5	1073 ± 135
UW1244	OSL	1.154±0.125	10.8	851 ± 125
UW1245	OSL/TL	0.146±0.021	9.1	1859 ± 13
UW1246	OSL	1.169±0.134	11.5	836 ± 134
UW1247	OSL/TL	0.847±0.062	7.4	1158 ± 63

For the sites excavated in 2004, the TL and OSL ages for UW1416 were in agreement, after a correction for TL fading. For UW1417 and UW1418, the OSL age was taken as the best estimate because of fading of the TL signal. This was verified for UW1417, but a correction still underestimated the age in comparison with OSL. A fading test produced too scattered data to be conclusive for UW1418. OSL produced a Pleistocene age for UW1419, so the TL age was taken to be the estimate. No significant fading was detected for this sample. It is uncertain why the OSL signal was so large.

Table Z.21. Derived ages and bases for the 2004 TL samples.

Sample	Age (ka)	% error	Calendar date	Basis for age
UW1416	0.623±0.039	6.2	AD 1383 ± 39	OSL/corrected TL
UW1417	0.542±0.033	6.1	AD 1464 ± 33	OSL
UW1418	0.512±0.028	5.5	AD 1494 ± 28	OSL
UW1419	0.753±.108	14.3	AD 1253 ± 108	TL

For the sites excavated in 2005, the TL and OSL ages were in agreement for UW1502, UW1504, UW1505 UW1507 and UW1586. In the case of UW1504, the IRSL age agreed as well. For UW1586, the TL age was first corrected for fading. On UW1503, the IRSL age agreed with the fading-corrected TL age. The OSL age was slightly older, but the TL and IRSL were judged to

be the best estimate. The age could be underestimated. For UW1506, no OSL age was obtained and the IRSL age is probably too young because of fading. The TL signal also faded, but correction produced a rather old, imprecise date, so the uncorrected TL was taken as the best estimate, although possibly underestimated. UW1508 behaved similarly to UW1506 but the fading correction produced a reasonably precise date. For UW1509 both TL and IRSL produced younger dates. Fading was evident for TL but the correction was still young. OSL was taken as the best estimate.

Table Z.22. Derived ages and bases for the 2005 TL samples.

Sample	Age (ka)	% error	Calendar age	Basis for age
UW1502	0.611±0.043	7.1	AD1395±43	TL/OSL
UW1503	0.801±0.114	14.2	AD1205±114	corrTL/IRSL
UW1504	0.722±0.047	6.5	AD1284±47	TL/OSL/IRSL
UW1505	1.014±0.059	5.8	AD 992±59	TL/OSL
UW1506	0.729±0.059	8.0	AD1277±58	TL
UW1507	0.591±0.039	6.6	AD1415±39	TL/OSL
UW1508	0.795±0.073	9.2	AD1211±73	corrTL
UW1509	0.813±0.053	6.6	AD1193±53	OSL
UW1586	0.619±0.057	7.9	AD1388±49	corrTL/OSL

Procedures for Thermoluminescence Analysis of Pottery

Sample Preparation -- fine grain

The sherd is broken to expose a fresh profile. Material is drilled from the center of the cross-section, more than 2 mm from either surface, using a tungsten carbide drill tip. The material retrieved is ground gently by a corundum mortar and pestle, treated with HCl, and then settled in acetone for 2 and 20 minutes to separate the 1-8 μm fraction. This is settled onto a maximum of 72 stainless steel discs.

Glow-Outs

Thermoluminescence is measured by a Daybreak reader using a 9635Q photomultiplier with a Corning 7-59 blue filter, in N_2 atmosphere at 1°C/s to 450°C. A preheat of 240°C with no hold time precedes each measurement. Artificial irradiation is given with a ^{241}Am alpha source and a ^{90}Sr beta source, the latter calibrated against a ^{137}Cs gamma source. Discs are stored at room temperature for at least one week after irradiation before glow out. Data are processed by Daybreak TLApplic software.

Fading Test

Several discs are used to test for anomalous fading. The natural luminescence is first measured by heating to 450°C. The discs are then given an equal alpha irradiation and stored at room temperature for varied times: 10 min, 2 hours, 1 day, 1 week and 8 weeks. The irradiations are

staggered in time so that all of the second glows are performed on the same day. The second glows are normalized by the natural signal and then compared to determine any loss of signal with time (on a log scale). If the sample shows fading and the signal versus time values can be reasonably fit to a logarithmic function, an attempt is made to correct the age following procedures recommended by Huntley and Lamothe (2001).

Equivalent Dose

The equivalent dose is determined by a combination additive dose and regeneration (Aitken 1985). Additive dose involves administering incremental doses to natural material. A growth curve plotting dose against luminescence can be extrapolated to the dose axis to estimate an equivalent dose, but for pottery this estimate is usually inaccurate because of errors in extrapolation due to nonlinearity. Regeneration involves zeroing natural material by heating to 450°C and then rebuilding a growth curve with incremental doses. The problem here is sensitivity change caused by the heating. By constructing both curves, the regeneration curve can be used to define the extrapolated area and to correct for sensitivity change by comparing it with the additive dose curve. This works where the shapes of the curves differ only in scale (i.e., the sensitivity change is independent of dose). The curves are combined using the "Australian slide" method in a program developed by David Huntley of Simon Fraser University (Prescott et al. 1993). The equivalent dose is taken as the horizontal distance between the two curves after a scale adjustment for sensitivity change. Where the growth curves are not linear, they are fit to quadratic functions. Dose increments (usually five) are determined so that the maximum additive dose results in a signal about three times that of the natural and the maximum regeneration dose about five times the natural. If the regeneration curve has a significant negative intercept, which is not expected given current understanding, the additive dose intercept is taken as the best, if not fully reliable approximation.

A plateau region is determined by calculating the equivalent dose at temperature increments between 240° and 450°C and determining over which temperature range the values do not differ significantly. This plateau region is compared with a similar one constructed for the b-value (alpha efficiency), and the overlap defines the integrated range for final analysis.

Alpha Effectiveness

Alpha efficiency is determined by comparing additive dose curves using alpha and beta irradiations. The slide program is also used in this regard, taking the scale factor (which is the ratio of the two slopes) as the b-value (Aitken 1985).

Radioactivity

Radioactivity is measured by alpha counting in conjunction with atomic emission for ^{40}K. Samples for alpha counting are crushed in a mill to flour consistency, packed into plexiglass containers with ZnS:Ag screens, and sealed for one month before counting. The pairs technique is used to separate the U and Th decay series. For atomic emission measurements, samples are dissolved in HF and other acids and analyzed by a Jenway flame photometer. K concentrations for each sample are determined by bracketing between standards of known concentration.

Conversion to ^{40}K is by natural atomic abundance. Radioactivity is also measured, as a check, by beta counting, using a Risø low level beta GM multicounter system. About 0.5 g of crushed sample is placed on each of four plastic sample holders. All are counted for 24 hours. The average is converted to dose rate following Bøtter-Jensen and Mejdahl (1988) and compared with the beta dose rate calculated from the alpha counting and flame photometer results.

Both the sherd and an associated soil sample are measured for radioactivity. Additional soil samples are analyzed where the environment is complex, and gamma contributions determined by gradients (after Aitken 1985: Appendix H). Cosmic radiation is determined after Prescott and Hutton (1988). Radioactivity concentrations are translated into dose rates following Adamiec and Aitken (1998).

Moisture Contents

Water absorption values for the sherds are determined by comparing the saturated and dried weights. For temperate climates, moisture in the pottery is taken to be 80 ± 20 percent of total absorption, unless otherwise indicated by the archaeologist. Again for temperate climates, soil moisture contents are taken from typical moisture retention quantities for different textured soils (Brady 1974:196), unless otherwise measured. For drier climates, moisture values are determined in consultation with the archaeologist.

Procedures for Optically Stimulated or Infrared Stimulated Luminescence of Fine-Grained Pottery

Optically stimulated luminescence (OSL) or infrared stimulated luminescence (IRSL) on fine-grain (1-8μm) pottery samples is carried out on single aliquots following procedures adapted from Banerjee et al. (2001) and Roberts and Wintle (2001). Equivalent dose is determined by the single-aliquot regenerative dose (SAR) method (Murray and Wintle 2000).

The SAR method measures the natural signal and the signal from a series of regeneration doses on a single aliquot. The method uses a small test dose to monitor and correct for sensitivity changes brought about by preheating, irradiation or light stimulation. SAR consists of the following steps: 1) preheat, 2) measurement of natural signal (OSL or IRSL), L(1), 3) test dose, 4) cut heat, 5) measurement of test dose signal, T(1), 6) regeneration dose, 7) preheat, 8) measurement of signal from regeneration, L(2), 9) test dose, 10) cut heat, 11) measurement of test dose signal, T(2), 12) repeat of steps 6 through 11 for various regeneration doses. A growth curve is constructed from the L(i)/T(i) ratios and the equivalent dose is found by interpolation of L(1)/T(1). Usually a zero regeneration dose and a repeated regeneration dose are employed to insure the procedure is working properly. For fine-grained ceramics, a preheat of 240°C for 10s, a test dose of 1.8 Gy, and a cut heat of 160°C are currently being used, although these parameters may be modified from sample to sample.

The luminescence, L(i) and T(i), is measured on a Risø TL-DA-15 automated reader by a succession of two stimulations. First, 100s at 60°C of IRSL (880nm diodes), and second 100s at 125°C of OSL (470nm diodes). The OSL is also called blue stimulated luminescence (BSL). Detection is through 7.5mm of Hoya U340 (ultra-violet) filters. The stimulations are used to

construct IRSL and OSL growth curves, so that two estimations of equivalent dose are available. Only feldspars are sensitive to IRSL, but they are also sensitive to blue light. Nevertheless, the IRSL exposure is expected to greatly reduce the feldspar contribution, so that the OSL signal is mainly from quartz. The procedure is still undergoing study.

Alpha efficiency for IRSL and OSL is measured by adding two alpha regeneration doses to the SAR sequence, retaining the beta irradiation for the test dose. The slope of the alpha growth curve is compared to the slope of the beta growth curve to determine a b-value.

APPENDIX AA
SUMMARY OF COALITION PERIOD CULINARY WARE DATA

Table AA.1. Inventory of thin-sectioned culinary ceramics from Pajarito Plateau Coalition period sites.

Site No.	Sample No.	ID No.	Unit No.	Ceramic Type	Temper Type	Point-count Analysis?
60372	163	969	90S/88E	Plain Gray	Crushed Volcanic Rock (Mafic)	y
60372	164	983	90S/88E	Smeared-indented corrugated	Coarse Anthill Sand	y
60372	165	984	90S/88E	Smeared-indented corrugated	Fine Anthill Sand	
60372	166	1021	90S/88E	Smeared-indented corrugated	Coarse Anthill Sand	
60372	167	1024	90S/88E	Smeared-indented corrugated	Fine Anthill Sand	y
60372	168	962	90S/88E	Plain gray	Crushed Volcanic Rock (Mafic)	
60372	169	966	90S/88E	Smeared-indented corrugated	Coarse Anthill Sand	
60372	170	967	90S/88E	Smeared-indented corrugated	Coarse Anthill Sand	y
60372	171	1083	90S/88E	Plain gray	Coarse Anthill Sand	y
60372	172	1082	90S/88E	Smeared-indented corrugated	Fine Anthill Sand	
60372	173	1135	90S/88E	Smeared-indented corrugated	Coarse Anthill Sand	
60372	174	1046	90S/88E	Smeared-indented corrugated	Coarse Anthill Sand	
60372	177	1107	90S/88E	Smeared-indented corrugated	Coarse Anthill Sand	y
60372	178	1108	90S/88E	Smeared-indented corrugated	Fine Anthill Sand	y
60372	179	1098	90S/88E	Smeared-indented corrugated	Fine Anthill Sand	
86534	197	1250	1817	Smeared-indented corrugated	Coarse Anthill Sand	y
86534	200	1265	1824	Smeared-indented corrugated	Fine Anthill Sand	y
86534	201	1271	1824	Smeared-indented corrugated	Fine Anthill Sand	
86534	202	1272	1824	Smeared-indented corrugated	Fine Anthill Sand	
86534	203	1273	1824	Smeared-indented corrugated	Coarse Anthill Sand	
86534	204	1274	1824	Smeared-indented corrugated	Coarse Anthill Sand	
86534	205	1275	1824	Smeared-indented corrugated	Fine Anthill Sand	y
86534	206	1295	2126	Smeared-indented corrugated	Coarse Anthill Sand	y
86534	207	1251	1817	Smeared-indented corrugated	Coarse Anthill Sand	y
12587	208	1143	4157	Smeared-indented corrugated	Coarse Anthill Sand	
12587	210	1157	4162	Smeared-indented corrugated	Sparse Mica	y
12587	211	1151	4162	Clapboard	Coarse Anthill Sand	
12587	212	1152	4162	Smeared-indented corrugated	Fine Anthill Sand	y
12587	217	1217	5099	Plain gray	Coarse Anthill Sand	y

Site No.	Sample No.	ID No.	Unit No.	Ceramic Type	Temper Type	Point-count Analysis?
12587	218	1213	5099	Plain gray	Fine Anthill Sand	y
12587	219	1218	5099	Smeared-indented corrugated	Coarse Anthill Sand	
12587	220	1219	5099	Smeared-indented corrugated	Coarse Anthill Sand	y
12587	221	1236	5099	Smeared-indented corrugated	Sparse Mica	y
12587	222	1179	5135	Plain gray	Sparse Mica	
12587	223	1168	5135	Smeared-indented corrugated	Fine Anthill Sand	
12587	224	1163	5135	Smeared-indented corrugated	Coarse Anthill Sand	y
12587	225	1191	5176	Plain gray	Fine Anthill Sand	y
12587	226	1192	5176	Smeared-indented corrugated	Fine Anthill Sand	
12587	227	1203	5176	Smeared-indented corrugated	Sparse Mica	

Table AA.2. Qualitative attributes of temper in Pajarito Coalition period culinary ceramics.

	Mineral Grains					Lithic Grains		
Sample	Grain Size Mode	Dominant	Accessory 1	Accessory 2	Accessory 3	Type 1	Type 2	Type 3
163	Medium sand	Feldspar	Quartz	Olivine	Fe Oxides	Basalt	Basalt	Andesite
164	Very coarse sand	Feldspar	Quartz	Biotite	Plagioclase	Rhyolite		
165	Fine sand	Feldspar	Quartz	Biotite		Rhyolite	Pumice	Andesite
166	Very coarse sand	Feldspar	Quartz	Plagioclase	Biotite	Andesite		
167	Fine sand	Feldspar	Quartz		Diatoms	Pumice	Rhyolite	
168	Coarse Sand	Plagioclase	Olivine	Pyroxene		Basalt	Basalt	Basalt
169	Very coarse sand	Feldspar	Quartz	Plagioclase	Biotite	Rhyolite	Andesite	
170	Very coarse sand	Feldspar	Quartz	Plagioclase	Biotite	Andesite	Rhyolite	
171	Very coarse sand	Feldspar	Quartz		Diatoms	Rhyolite	Andesite	Pumice
172	Very coarse sand	Feldspar	Quartz	Plagioclase	Biotite	Rhyolite	Pumice	Andesite
173	Very coarse sand	Feldspar	Quartz	Plagioclase		Rhyolite		
174	Granule	Feldspar	Quartz			Andesite	Rhyolite	Basalt
177	Granule	Feldspar	Quartz	Plagioclase	Biotite	Rhyolite	Andesite	Basalt
178	Very coarse sand	Feldspar	Quartz	Plagioclase	Biotite	Andesite	Rhyolite	Andesite
179	Coarse Sand	Plagioclase	Feldspar	Quartz	Biotite	Rhyolite	Andesite	
197	Very coarse sand	Feldspar	Quartz	Plagioclase	Biotite	Rhyolite	Andesite	

	Mineral Grains					Lithic Grains		
Sample	**Grain Size Mode**	**Dominant**	**Accessory 1**	**Accessory 2**	**Accessory 3**	**Type 1**	**Type 2**	**Type 3**
200	Medium sand	Quartz	Feldspar	Fe Oxides		Rhyolite	Glass	
201	Medium sand	Quartz	Feldspar			Basalt		
202	Coarse Sand	Feldspar	Quartz	Amphibole	Biotite	Rhyolite		
203	Very coarse sand	Feldspar	Quartz			Rhyolite	Basalt	
204	Very coarse sand	Feldspar	Quartz	Plagioclase	Biotite	Rhyolite	Andesite	
205	Coarse Sand	Feldspar	Quartz	Biotite	Earthy hematite/Diatoms	Basalt	Andesite	
206	Very coarse sand	Feldspar	Quartz			Rhyolite		
207	Very coarse sand	Feldspar	Quartz	Biotite	Olivine	Rhyolite	Andesite	Glass
208	Very coarse sand	Feldspar	Quartz	Biotite	Plagioclase	Rhyolite		
210	Coarse Sand	Microcline	Quartz	Plagioclase	Muscovite	Granitic		
211	Granule	Feldspar	Quartz	Plagioclase	Biotite			
212	Coarse Sand	Feldspar	Quartz			Rhyolite	Pumice	
217	Very coarse sand	Feldspar	Quartz	Plagioclase	Biotite/Diatoms	Andesite	Pumice	
218	Medium sand	Quartz	Feldspar		Diatoms	Rhyolite		
219	Very coarse sand	Feldspar	Quartz	Plagioclase	Biotite	Rhyolite		
220	Coarse Sand	Feldspar	Quartz	Biotite	Fe Oxides	Andesite	Pumice	
221	Coarse Sand	Microcline	Plagioclase	Quartz	Muscovite	Granitic		
222	Coarse Sand	Microcline	Quartz	Muscovite	Biotite	Granitic		
223	Medium sand	Quartz	Feldspar	Quartz	Plagioclase	Rhyolite	Pumice	
224	Very coarse sand	Feldspar	Quartz		Diatoms	Rhyolite		
225	Medium sand	Quartz	Quartz	Feldspar		Rhyolite	Pumice	
226	Medium sand	Quartz	Quartz	Feldspar	Biotite	Andesite	Basalt	Rhyolite
227	Coarse Sand	Microcline	Quartz	Muscovite	Biotite	Granitic		

Table AA.3. Point-count data from Pajarito Coalition culinary ceramics – general categories and generic temper groups.

Sample No.	Total Grains	Mineral & Lithic Grains (m+l)		Mineral Grains (m)		Lithic Grains		Glass (% of Lithics)		Non-Glass Lithics (% of Lithics)		Minerals & Non-glass Lithics (% of Mineral + Lithics)		m/m+l	Generic Temper Group
		n	%	n	%	n	%	n	%	n	%	n	%		
163	1039	343	33.0	69	20.1	274	79.9	5	1.8	269	98.2	338	98.5	20.1	LV
164	1017	292	28.7	148	50.7	144	49.3	130	90.3	14	9.7	162	55.5	50.7	mLVg
167	834	96	11.5	74	77.1	22	22.9	14	63.6	8	36.4	82	85.4	77.1	Mg
170	712	150	21.1	139	92.7	11	7.3	3	27.3	8	72.7	147	98.0	92.7	Mg
171	839	171	20.4	59	34.5	112	65.5	99	88.4	13	11.6	72	42.1	34.5	mLVg
177	962	151	15.7	83	55.0	68	45.0	22	32.4	46	67.7	129	85.4	55.0	mLVg
178	786	165	21.0	71	43.0	94	57.0	53	56.4	41	43.6	112	67.9	43.0	mLVg
197	528	109	20.6	56	51.4	53	48.6	5	9.4	48	90.6	104	95.4	51.4	mLV
200	685	99	14.5	61	61.6	38	38.4	12	31.6	26	68.4	87	87.9	61.6	mLVg
205	744	147	19.8	93	63.3	54	36.7	25	46.3	29	53.7	122	83.0	63.3	mLVg
206	816	128	15.7	80	62.5	48	37.5	16	33.3	32	66.7	112	87.5	62.5	mLVg
207	462	95	20.6	57	60.0	38	40.0	19	50.0	19	50.0	76	80.0	60.0	mLVg
210	748	325	43.5	205	63.1	120	36.9	0	0.0	120	100.0	325	100.0	63.1	mLP
212	691	224	32.4	61	27.2	163	72.8	39	23.9	124	76.1	185	82.6	27.2	LVg
217	888	235	26.5	126	53.6	109	46.4	93	85.3	16	14.7	142	60.4	53.6	mLVg
218	761	111	14.6	59	53.2	52	46.9	20	38.5	32	61.5	91	82.0	53.2	mLVg
220	511	152	29.8	100	65.8	52	34.2	18	34.6	34	65.4	134	88.2	65.8	mLVg
221	587	242	41.2	152	62.8	90	37.2	1	1.1	89	98.9	241	99.6	62.8	mLP
224	633	153	24.2	106	69.3	47	30.7	23	48.9	24	51.1	130	85.0	69.3	mLVg
225	1103	257	23.3	190	74.0	67	26.1	15	22.4	52	77.6	242	94.2	73.9	mLVg

M = Mineralic: m/m+l ≥80 percent; L = Lithic: m/m+l ≤ 35 percent; mL = Mixed mineral and lithic: m/m+l between 35 and 75 percent; The addition of V = volcanic, P = plutonic, M = metamorphic; g = Glass grains ≥ 20 percent of all lithic grains

Table AA.4. Point-count data for Pajarito Coalition culinary ceramics - lithic parameters and matrix parameters.

		Lithic Parameters											Matrix Parameters						
Sample No.	**Mineral & Lithic Grains**	**Lvf**	**Lvi**	**Lvm**	**Lvv**	**Pum**	**Lvh**	**Lma**	**Lmt**	**Lpf**	**Lpi**		**Total Points**	**Clay Lump**	**Grog**	**Other**	**Unkn**	**Paste**	**Voids**
163	343	1.5	0.9	76.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0		1139	0.0	0.0	0.0	0.2	56.3	4.7
164	292	4.5	0.0	0.0	44.5	0.0	0.0	0.0	0.0	0.3	0.0		1117	0.2	0.0	0.0	0.0	60.3	4.4
167	96	6.3	0.0	0.0	13.5	1.0	0.0	0.0	0.0	2.1	0.0		934	8.9	0.1	0.5	0.1	63.9	5.5
170	150	4.0	0.7	0.0	1.3	0.7	0.0	0.0	0.0	0.7	0.0		812	0.0	0.2	0.0	0.0	64.0	4.9
171	171	6.4	0.0	0.0	45.6	12.3	1.2	0.0	0.0	0.0	0.0		939	1.7	0.5	0.1	0.0	64.9	3.9
177	151	29.8	0.0	0.0	14.6	0.0	0.0	0.0	0.0	0.7	0.0		1062	0.7	0.8	0.0	0.0	71.7	3.3
178	165	24.8	0.0	0.0	26.7	5.5	0.0	0.0	0.0	0.0	0.0		886	0.7	0.3	0.0	0.1	65.2	3.7
197	109	44.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	0.0	0.0		628	0.0	0.0	0.0	0.0	62.3	4.5
200	99	26.3	0.0	0.0	9.1	3.0	0.0	0.0	0.0	0.0	0.0		785	0.0	0.1	0.0	0.1	71.1	3.3
205	147	19.7	0.0	0.0	15.0	2.0	0.0	0.0	0.0	0.0	0.0		844	0.2	0.0	0.2	0.0	66.8	3.4
206	128	25.0	0.0	0.0	9.4	3.1	0.0	0.0	0.0	0.0	0.0		916	0.0	0.0	0.0	0.0	72.3	2.8
207	95	15.8	3.2	0.0	15.8	4.2	1.1	0.0	0.0	0.0	0.0		562	0.0	0.0	0.0	0.2	61.7	3.4
210	325	2.2	0.0	0.0	0.0	0.0	21.2	12.9	0.0	0.0	0.6		848	0.1	0.0	0.0	0.1	43.9	5.8
212	224	54.5	0.9	0.0	13.8	3.6	0.0	0.0	0.0	0.0	0.0		791	0.0	0.0	0.0	0.0	52.6	6.4
217	235	6.8	0.0	0.0	8.5	31.1	0.0	0.0	0.0	0.0	0.0		988	1.0	0.0	0.1	0.2	56.7	8.1
218	111	28.8	0.0	0.0	16.2	1.8	0.0	0.0	0.0	0.0	0.0		861	3.9	1.9	0.1	0.0	64.9	4.6
220	152	13.2	8.6	0.0	5.3	6.6	0.7	0.0	0.0	0.0	0.0		611	0.0	0.0	0.0	0.0	52.4	6.4
221	242	4.5	0.0	0.0	0.4	0.0	28.1	3.7	0.4	0.0	0.0		687	0.1	0.0	0.4	0.1	44.7	4.8
224	153	15.7	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0		733	0.1	0.0	0.5	0.0	61.4	3.4
225	257	19.1	0.8	0.0	5.1	0.8	0.0	0.0	0.0	0.4	0.0		1203	0.1	0.0	0.1	0.1	66.1	4.0

Table AA.5. Point-count data from Pajarito Coalition culinary ceramics – mineral parameters.

Sample No	Total Points	Mineral & Lithic Grains	Qtz	Mic	Fspar	Plag	Fsalt	Fsgn	Opq	Musc	Biot	Px	Amph	Oliv	Epid	CaCO
			%	%	%	%	%	%	%	%	%	%	%	%	%	%
163	1139	343	3.8	0.0	8.2	1.5	2.0	0.0	0.0	0.0	0.0	1.7	0.0	2.6	0.3	0.0
164	1117	292	16.8	0.0	29.1	0.0	3.4	0.0	1.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
167	934	96	18.8	0.0	0.0	55.2	0.0	2.1	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
170	812	150	24.7	0.0	52.7	2.0	10.7	0.0	2.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0
171	939	171	2.9	0.0	18.7	0.0	7.6	0.0	0.6	1.8	1.2	0.0	0.0	0.0	1.8	0.0
177	1062	151	9.9	0.0	29.8	0.7	9.9	0.0	2.0	0.7	0.0	1.3	0.0	0.0	0.7	0.0
178	886	165	6.7	0.0	26.1	0.6	7.9	0.0	0.6	0.0	0.0	0.0	0.6	0.0	0.6	0.0
197	628	109	13.8	0.0	32.1	1.8	2.8	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
200	785	99	10.1	0.0	30.3	1.0	15.2	1.0	1.0	2.0	0.0	1.0	0.0	0.0	0.0	0.0
205	844	147	21.8	0.0	36.1	0.0	3.4	0.0	0.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0
206	916	128	12.5	0.0	35.9	0.0	8.6	1.6	0.8	0.8	0.8	0.0	0.8	0.0	0.8	0.0
207	562	95	12.6	0.0	37.9	3.2	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
210	848	325	12.0	4.9	18.2	3.4	9.2	2.2	2.2	6.5	3.7	0.3	0.0	0.0	0.6	0.0
212	791	224	3.6	0.0	16.1	0.0	7.1	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
217	988	235	14.9	0.0	27.7	0.4	7.7	0.0	0.0	0.4	0.9	0.0	1.3	0.4	0.0	0.0
218	861	111	18.9	0.0	27.0	0.9	2.7	0.0	0.9	0.0	0.9	1.8	0.0	0.0	0.0	0.0
220	611	152	16.4	0.0	40.8	1.3	5.3	0.0	0.7	0.0	0.7	0.0	0.7	0.0	0.0	0.0
221	687	242	12.0	3.7	16.1	1.2	15.3	2.5	1.2	5.4	4.1	0.8	0.0	0.0	0.0	0.4
224	733	153	22.9	0.0	37.9	2.0	5.9	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
225	1203	257	14.4	0.0	38.1	3.1	12.1	3.1	0.8	1.2	0.4	0.8	0.0	0.0	0.0	0.0

APPENDIX BB
SUMMARY OF CLASSIC PERIOD CULINARY WARE DATA

Table BB.1. Inventory of thin-sectioned micaceous culinary ceramics from Pajarito Plateau Classic-period sites.

Site No	Unit	Sample No.	ID No.	Type	Temp obs	Point-count Analysis
82	B	48	281	Washboard	Dense Mica	y
82	B	49	282	Washboard	Sparse Mica	y
82	B	50	283	Washboard	Dense Mica	
82	B	58	328	Plain Gray	Dense Mica	y
82	B	59	327	Washboard	Sparse Mica	
82	B	60	300	SIC	Sparse Mica	
82	B	70	381	Plain Gray	Dense Mica	
82	B	71	392	Plain Gray	Sparse Mica	y
82	B	72	399	Clapboard	Dense Mica	y
82	B	73	393	Plain Gray	Dense Mica	
82	B	77	452	Clapboard	Dense Mica	
82	B	78	459	Plain Gray	Dense Mica	
82	B	79	458	Plain Gray	Dense Mica	
82	B	80	455	Plain Gray	Sparse Mica	
82	B	81	457	Plain Gray	Sparse Mica	y
82	B	82	453	Washboard	Sparse Mica	y
82	B	83	441	Plain Gray	Sparse Mica	
82	B	87	488	Plain Gray	Sparse Mica	
82	B	88	496	Plain Gray	Dense Mica	
82	B	89	497	Plain Gray	Dense Mica	
82	B	102	530	Plain Gray	Dense Mica	
82	B	103	528	Plain Gray	Dense Mica	y
82	A	126	119	Plain Gray	Sparse Mica	
82	A	127	120	Plain Gray	Dense Mica	y
82	A	128	121	Plain Gray	Dense Mica	y
82	A	137	201	Plain Gray	Dense Mica	y
82	A	138	202	Plain Gray	Dense Mica	y
82	A	139	203	Plain Gray	Dense Mica	
82	A	140	205	Plain Gray	Sparse Mica	y

Site No	Unit	Sample No.	ID No.	Type	Temp obs	Point-count Analysis
82	A	142	228	Plain Gray	Dense Mica	
3840	129S98E	156	6	Plain Gray	Dense Mica	y
3840	129S98E	157	1	SIC	Dense Mica	y
3840	129S98E	158	3	Plain Gray	Dense Mica	y
3840	129S98E	159	2	Plain Gray	Sparse Mica	y
60550	112S108E	180	39	Plain Gray	Sparse Mica	y
60550	112S108E	181	40	Plain Gray	Sparse Mica	y
60550	112S108E	182	8	Plain Gray	Dense Mica	
60550	112S108E	183	11	Plain Gray	Dense Mica	
60550	112S108E	186	23	Plain Gray	Sparse Mica	y
60550	112S108E	191	27	SIC	Dense Mica	
60550	112S108E	193	34	Plain Gray	Sparse Mica	
60550	112S108E	194	44	Plain Gray	Dense Mica	y

Table BB.2. Qualitative attributes of temper in Pajarito Classic period micaceous culinary ceramics.

	Mineral Grains					Lithic Grains		
Sample No.	**Grain Size Mode**	**Dominant**	**Accessory 1**	**Accessory 2**	**Accessory 3**	**Type 1**	**Type 2**	**Type 3**
48	Medium sand	Quartz	Plagioclase	Biotite	Muscovite	Granitic		
49	Coarse sand	Muscovite	Feldspar	Quartz	Biotite	Granitic		
50	Coarse sand	Muscovite	Quartz	Feldspar	Biotite	Granitic		
58	Coarse sand	Muscovite	Quartz	Biotite	Feldspar	Granitic		
59	Medium sand	Quartz	Microcline	Biotite	Muscovite	Andesite	Granitic	Basalt
60	Medium sand	Quartz	Feldspar	Fe Oxides	Mica	Granitic		
70	Medium sand	Muscovite	Quartz	Feldspar	Microcline	Granitic		
71	Coarse sand	Quartz	Muscovite	Feldspar		Rhyolite	Granitic	
72	Coarse sand	Quartz	Muscovite	Feldspar	Biotite	Granitic		
73	Medium sand	Muscovite	Feldspar	Microcline	Quartz	Granitic		
77	Medium sand	Muscovite	Quartz	Feldspar	Biotite	Granitic		
78	Coarse sand	Muscovite	Feldspar	Quartz	Biotite	Granitic		
79	Coarse sand	Quartz	Feldspar	Microcline	Biotite	Granitic		
80	Coarse sand	Muscovite	Quartz	Feldspar	Biotite	Granitic		
81	Fine sand	Plagioclase	Muscovite	Fe Oxides	Quartz	Andesite		
82	Medium sand	Quartz	Muscovite	Feldspar	Biotite	Mica Schist	Andesite	
83	Medium sand	Plagioclase	Quartz	Fe Oxides	Pyroxene	Basalt		
87	Medium sand	Quartz	Plagioclase			Rhyolite	Basalt	Pumice
88	Coarse sand	Quartz	Biotite	Feldspar	Muscovite	Granitic		
89	Granule	Muscovite	Quartz	Biotite	Feldspar	Granitic		
102	Coarse sand	Muscovite	Quartz	Biotite	Fe Oxides	Granitic		
103	Coarse sand	Muscovite	Quartz	Biotite	Feldspar	Mica Schist		
126	Very fine sand	Quartz	Quartz	Plagioclase	Microcline	Granitic	Andesite	
127	Medium sand	Quartz	Muscovite	Plagioclase		Basalt	Rhyolite	Mica Schist
128	Granule	Muscovite	Quartz	Biotite	Fe Oxides	Granitic		
137	Granule	Muscovite	Quartz	Biotite	Fe Oxides	Granitic		

	Mineral Grains					Lithic Grains		
Sample No.	**Grain Size Mode**	**Dominant**	**Accessory 1**	**Accessory 2**	**Accessory 3**	**Type 1**	**Type 2**	**Type 3**
138	Coarse sand	Muscovite	Quartz	Biotite	Fe Oxides	Granitic		
139	Coarse sand	Muscovite	Quartz	Biotite	Fe Oxides	Granitic		
140	Medium sand	Quartz	Feldspar	Biotite	Fe Oxides	Andesite	Basalt	
142	Coarse sand	Quartz	Muscovite	Microcline	Plagioclase	Granitic		
156	Coarse sand	Quartz	Muscovite	Microcline	Biotite	Granitic		
157	Coarse sand	Muscovite	Biotite	Feldspar	Quartz	Granitic		
158	Coarse sand	Quartz	Muscovite	Microcline	Biotite	Granitic		
159	Coarse sand	Feldspar	Muscovite	Quartz	Biotite	Granitic		
180	Coarse sand	Microcline	Plagioclase	Quartz	Biotite	Granitic		
181	Medium sand	Quartz	Muscovite	Microcline	Plagioclase	Granitic		
182	Granule	Microcline	Quartz	Muscovite	Fe Oxides	Granitic	Mica Schist	
183	Granule	Quartz	Muscovite	Plagioclase	Microcline	Granitic	Mica Schist	
186	Very coarse sand	Quartz	Biotite	Microcline	Plagioclase	Granitic		
191	Medium sand	Microcline	Plagioclase	Quartz	Muscovite	Granitic		
193	Coarse sand	Quartz	Muscovite	Feldspar	Fe Oxides	Granitic		
194	Very coarse sand	Microcline	Plagioclase	Quartz	Muscovite	Granitic		

Table BB.3. Point-count data for Pajarito Classic period micaceous culinary ceramics – generic temper groups.

Sample No	Total Grains	Mineral & Lithic Grains (m+l)		Mineral Grains (m)		Lithic Grains		Glass (% of Lithics)		Non-Glass Lithics (% of Lithics)		Minerals & Non-glass Lithics (% of m+l)		m/m+l	Generic Temper Group
		n	%	n	%	n	%	n	%	n	%	n	%		
48	756	311	41.1	173	55.6	138	44.4	0	0.0	138	100.0	311	100.0	55.6	mLP
49	851	412	48.4	243	59.0	169	41.0	0	0.0	169	100.0	412	100.0	59.0	mLP
58	835	390	46.7	161	41.3	229	58.7	0	0.0	229	100.0	390	100.0	41.3	mLP
71	993	230	23.2	161	70.0	69	30.0	0	0.0	69	100.0	230	100.0	70.0	mLVP
72	721	323	44.8	156	48.3	167	51.7	0	0.0	167	100.0	323	100.0	48.3	mLP
81	692	252	36.4	94	37.3	158	62.7	1	0.6	157	99.4	251	99.6	37.3	mLV
82	1156	308	26.6	240	77.9	68	22.1	0	0.0	68	100.0	308	100.0	77.9	mLVM
103	910	462	50.8	205	44.4	257	55.6	0	0.0	257	100.0	462	100.0	44.4	mLM
127	759	109	14.4	65	59.6	44	40.4	2	4.5	42	95.5	107	98.2	59.6	mLVM
128	760	351	46.2	198	56.4	153	43.6	0	0.0	153	100.0	351	100.0	56.4	mLP
137	779	344	44.2	174	50.6	170	49.4	0	0.0	170	100.0	344	100.0	50.6	mLP
138	960	452	47.1	279	61.7	173	38.3	0	0.0	173	100.0	452	100.0	61.7	mLP
140	782	234	29.9	37	15.8	197	84.2	0	0.0	197	100.0	234	100.0	15.8	LV
156	753	268	35.6	124	46.3	144	53.7	0	0.0	144	100.0	268	100.0	46.3	mLP
157	481	237	49.3	137	57.8	100	42.2	0	0.0	100	100.0	237	100.0	57.8	mLP
158	529	203	38.4	111	54.7	92	45.3	0	0.0	92	100.0	203	100.0	54.7	mLP
159	617	277	44.9	143	51.6	134	48.4	1	0.7	133	99.3	276	99.6	51.6	mLP
180	746	268	35.9	153	57.1	115	42.9	0	0.0	115	100.0	268	100.0	57.1	mLP
181	831	371	44.6	170	45.8	201	54.2	0	0.0	201	100.0	371	100.0	45.8	mLP
186	870	390	44.8	279	71.5	111	28.5	6	5.4	105	94.6	384	98.5	71.5	mLP
194	1030	422	41.0	238	56.4	184	43.6	0	0.0	184	100.0	422	100.0	56.4	mLP

M = Mineralic: m/m+l ≥80 percent; L = Lithic: m/m+l ≤ 35 percent; mL = Mixed mineral and lithic: m/m+l between 35 and 75 percent; The addition of V = volcanic, P = plutonic, M = metamorphic; g = Glass grains ≥ 20 percent of all lithic grains.

Table BB.4. Point-count data from Pajarito Classic period micaceous culinary ceramics – mineral parameters.

Sample No.	Total Grains	Mineral & Lithic Grains	Qtz	Micro	Fspar	Plag	Fsalt	Fsgn	Opq	Musc	Biot	Chlor	Px	Amph	Oliv	Epid	Sphene
48	756	311	7.4	1.0	8.7	0.6	11.3	1.0	1.0	3.2	21.2	0.0	0.0	0.0	0.0	0.3	0.0
49	851	412	10.9	0.2	7.0	2.9	6.6	0.7	2.2	22.8	5.6	0.0	0.0	0.0	0.0	0.0	0.0
58	835	390	6.4	0.0	4.1	0.3	7.9	0.0	1.5	13.3	7.7	0.0	0.0	0.0	0.0	0.0	0.0
71	993	230	15.7	1.3	28.7	1.7	12.2	0.0	1.3	8.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0
72	721	323	7.7	0.3	5.3	0.0	6.5	0.0	0.9	23.5	3.4	0.0	0.3	0.0	0.3	0.0	0.0
81	692	252	9.9	0.4	4.0	8.7	1.6	0.0	0.0	10.3	0.4	0.0	2.0	0.0	0.0	0.0	0.0
82	1156	308	23.7	0.0	14.0	1.3	15.9	0.0	4.2	14.3	4.2	0.0	0.3	0.0	0.0	0.0	0.0
103	910	462	6.3	0.0	4.1	0.2	6.1	0.2	0.9	22.5	3.9	0.0	0.2	0.0	0.0	0.0	0.0
127	759	109	10.1	0.0	14.7	0.0	11.9	3.7	5.5	8.3	3.7	0.9	0.9	0.0	0.0	0.0	0.0
128	760	351	8.8	0.0	6.6	0.0	6.8	0.3	2.0	24.5	7.1	0.0	0.3	0.0	0.0	0.0	0.0
137	779	344	12.8	0.0	4.9	0.9	4.4	0.0	2.6	16.6	8.4	0.0	0.0	0.0	0.0	0.0	0.0
138	960	452	7.7	0.0	13.5	1.3	10.6	0.9	1.3	17.0	9.1	0.0	0.0	0.2	0.0	0.0	0.0
140	782	234	3.8	0.0	5.1	1.7	2.1	0.0	1.7	0.0	0.4	0.0	0.9	0.0	0.0	0.0	0.0
156	753	268	12.3	0.7	2.6	0.7	10.1	0.7	1.1	11.2	6.3	0.0	0.4	0.0	0.0	0.0	0.0
157	481	237	13.9	0.0	9.7	1.3	9.7	0.0	1.7	15.2	6.3	0.0	0.0	0.0	0.0	0.0	0.0
158	529	203	8.4	2.0	11.3	0.0	14.8	0.0	2.5	11.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0
159	617	277	6.1	0.7	6.1	4.3	13.4	2.5	2.2	11.9	3.2	0.0	0.4	0.4	0.0	0.0	0.4
180	746	268	13.8	3.0	13.8	2.6	15.3	1.9	0.4	3.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0
181	831	371	9.7	2.7	10.8	0.8	7.0	0.0	1.9	8.1	2.2	0.0	1.9	0.8	0.0	0.0	0.0
186	870	390	8.7	4.4	10.0	1.3	16.9	1.5	1.8	5.6	19.0	0.0	1.5	0.0	0.5	0.3	0.0
194	1030	422	11.4	9.5	14.7	2.1	14.0	0.0	0.2	3.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0

Table BB.5. Point-count data for Pajarito Classic period micaceous culinary ceramics – lithic and matrix parameters.

		Lithic Parameters											Matrix Parameters						
Sample No	**Mineral & Lithic Grains**	**Lvf**	**Lvi**	**Lvm**	**Lvv**	**Pum**	**Lvh**	**Lma**	**Lmt**	**Lpf**	**Lpi**	**Lpm**	**Total Points**	**Clay lump**	**Grog**	**Other**	**Unkn**	**Paste**	**Voids**
48	311	0.3	0.3	0.0	0.0	0.0	34.7	7.1	1.9	0.0	0.0	0.0	756	0.0	0.0	0.0	0.0	50.7	8.2
49	412	0.2	0.0	0.0	0.0	0.0	38.1	1.2	1.5	0.0	0.0	0.0	851	0.0	0.0	0.1	0.0	42.2	9.3
58	390	0.0	0.0	0.0	0.0	0.0	37.7	21.0	0.0	0.0	0.0	0.0	835	0.0	0.0	0.0	0.0	44.4	8.9
71	230	7.8	0.0	0.0	0.0	0.0	9.6	0.9	0.0	11.7	0.0	0.0	993	0.0	0.0	0.0	0.0	71.4	5.4
72	323	1.2	0.0	0.0	0.0	0.0	42.1	6.2	2.2	0.0	0.0	0.0	721	0.0	0.0	0.0	0.1	48.1	6.9
81	252	6.0	49.2	4.4	0.4	0.0	2.8	0.0	0.0	0.0	0.0	0.0	692	0.0	1.3	0.0	0.0	56.4	5.9
82	308	10.7	0.3	0.0	0.0	0.0	10.7	0.3	0.0	0.0	0.0	0.0	1156	2.3	0.0	0.0	0.0	67.6	3.5
103	462	0.2	0.0	0.0	0.0	0.0	30.1	24.0	1.3	0.0	0.0	0.0	910	0.0	0.0	0.0	0.0	37.9	11.3
127	109	12.8	0.0	12.8	1.8	0.0	9.2	2.8	0.9	0.0	0.0	0.0	759	0.0	2.5	1.2	0.1	74.7	7.1
128	351	0.0	0.0	0.0	0.0	0.0	37.6	5.7	0.3	0.0	0.0	0.0	760	0.0	0.0	0.0	0.0	45.5	8.3
137	344	0.0	0.0	0.0	0.0	0.0	45.1	4.4	0.0	0.0	0.0	0.0	779	0.0	0.0	0.1	0.0	45.1	10.7
138	452	1.5	0.0	0.0	0.0	0.0	33.2	3.5	0.0	0.0	0.0	0.0	960	0.0	0.0	0.0	0.0	45.0	7.9
140	234	37.2	45.7	0.4	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.0	782	0.0	0.0	0.8	0.0	62.7	6.6
156	268	0.4	0.0	0.0	0.0	0.0	42.9	10.1	0.0	0.0	0.4	0.0	753	0.0	0.0	0.0	0.0	58.6	5.8
157	237	0.8	0.0	0.0	0.0	0.0	41.4	0.0	0.0	0.0	0.0	0.0	481	0.0	0.0	0.2	0.0	43.2	7.3
158	203	0.5	1.0	0.0	0.0	0.0	39.9	3.4	0.5	0.0	0.0	0.0	529	0.0	0.0	0.0	0.0	50.9	10.8
159	277	2.2	0.0	0.0	0.4	0.0	44.4	0.7	0.7	0.0	0.0	0.0	617	0.0	0.0	0.0	0.0	49.1	6.0
180	268	3.4	0.0	0.0	0.0	0.0	39.2	0.0	0.4	0.0	0.0	0.0	746	0.0	0.0	0.0	0.0	56.4	7.6
181	371	0.0	0.0	0.0	0.0	0.0	51.2	3.0	0.0	0.0	0.0	0.0	831	0.0	0.0	0.0	0.0	48.9	6.5
186	390	0.3	0.5	0.0	1.5	0.8	22.6	0.8	0.8	0.0	0.0	1.3	870	0.0	0.0	0.0	0.0	46.9	8.3
194	422	0.0	0.0	0.0	0.0	0.0	39.8	3.8	0.0	0.0	0.0	0.0	1030	0.0	0.0	0.0	0.0	45.3	13.7

APPENDIX CC

Description of Ceramic Methodology

The following is the list of ceramic attributes that the Museum of New Mexico uses to perform basic pottery analyses. This includes sorting by pottery ware and type, vessel form, pigment type, interior and exterior modifications, temper and paste composition, rim sherd size and diameter, and vessel wall thickness.

Museum of New Mexico
Office of Archaeological Studies
Ceramic Analysis Coding List
Updated November 2005

TEMPER TYPE

0	Not examined
1	Indeterminate
2	Sand
3	Granite with abundant mica
4	Granite without abundant mica
5	Highly micaceous (residual) paste
6	Sherd
7	Sherd and sand
8	Fine tuff or ash
9	Large tuff fragments (vitric tuff)
10	Fine tuff and sand
11	Leucocratic igneous or granite (El Paso area)
12	Fine sandstone
13	Fine Jornada leucocratic igneous
14	Gray crystalline basalt
15	Sand and mica
16	Crushed andesite or diorite
17	Andesite diorite with sherd
18	Andesite diorite with sand and sherd
19	San Marcos latite
20	Fine sand or silt, and mica
21	Indeterminate dark igneous
22	Self tempered
23	Dark igneous and sherd (Chupadero)
24	Taos granite
25	Dark igneous and sand
26	Trachyte (Chuska area)
27	Mogollon volcanics
28	Coarse sand and fine igneous
29	Latite
30	Trachyte and sherd
31	Ant hill sand
32	Shale, sand, and sherd
33	Dark feldspar
34	Sherd and calcium carbonate
35	Fine feldspar, quartz, and hornblende
36	Dark igneous (southern origin)
37	Calcium carbonate
38	Micaceous schist (Gran Quivara)
39	Hornblende tuff
40	Fine Jornada leucocratic igneous and sherd
42	Sand and Mogollon volcanics
43	Basalt and sand
44	Oblate shale and sand
45	Dark crystalline particles and tuff
47	Tuff and mica
48	Andesite or diorite, sand, and shale
50	Vitrified
51	Casas Grandes igneous
52	Shale, dark particles, and mica
53	Tuff, mica and sand
54	Dark sand
55	Quartz and sandstone
56	Shale and sherd
57	Shale
58	Latite and Sand
59	Mica, quartz, and sandstone
60	Very Fine Sand (silt)
61	Quartzite (Leucocratic Igneous)
62	Multi-lithic sand
63	Dark matrix sandstone
64	Andesite or diorite with sand
65	Basalt (Zia)
70	Tuff and Phenocrysts (anthill)
71	Scoria (reddish porous basalt)
75	Quartz, Tuff, Mica in micaceous paste
76	Oblate shale and tuff
77	Large tuff predominate with anthill sand
78	Sapawe (Schist w/ mica, late Rio Grande)
79	Jemez Ash (predominately large ash and/or tuff)
80	Jemez Basalt (predominately basalt w/ash or tuff)

ADDITIONAL TEMPER TYPES (Duwe)

90	Tuff w/quartz sand
91	Tuff w/quartz sand and volcanics
92	Tuff w/quartz sand and plutonics
93	Tuff w/quartz sand and volcanics and plutonics

POTTERY TYPE

INDETERMINATE TRADITION

1101	Indeterminate Utility Ware
1201	Unpainted Undifferentiated White
1202	Mineral Paint Undifferentiated
1203	Indeterminate Organic Paint
1302	Indeterminate Red Ware
1401	Indeterminate Black Ware

NORTHERN RIO GRANDE (TEWA) TRADITION

Prehistoric White Ware

2201	Unpainted Undifferentiated White
2202	Mineral Paint Undifferentiated
2203	San Marcial Black-on-white
2204	Pueblo II Indeterminate Mineral
2205	Red Mesa Black-on-white Rio Grande Paste
2206	Red Mesa Black-on-white Squiggle Hatchure
2207	Kwahe'e Black-on-white Solid Designs

2208 Kwahe'e Black-on-white Thin Parallel Lines
2209 Kwahe'e Black-on-white Thick Parallel Lines
2210 Kwahe'e Black-on-white Hatchured Gallup Style
2211 Kwahe'e Black-on-white Solid and Hatchure
2212 Kwahe'e Black-on-white Checkerboard
2213 Kwahe'e Black-on-white Other Design
2216 Organic Paint Undifferentiated
2217 Indeterminate Organic Coalition Paste
2218 Santa Fe Black-on-white
2219 Wiyo Black-on-white
2229 Biscuit Ware Unpainted Slipped Both Sides
2230 Biscuit Ware Painted Unspecified
2231 Biscuit A Abiquiu Black-on-white
2232 Biscuit B Bandelier Black-on-white
2233 Sankawi Black-on-cream
2234 Unpainted Santa Fe Paste (Seldom Used)
2236 Galisteo Black-on-white
2237 Unpainted Galisteo Paste
2238 Unpainted Biscuit Ware Slipped One Side
2240 Jemez-Santa Fe Vallecitos Black-on-white
2241 Jemez Paste, slipped, unpainted
2250 Organic Slipped Red
2251 Gallina Black-on-white
2252 Biscuit Ware, Slip and Paint Not Observable

Northern Rio Grande (Tewa) Historic Decorated and Polychrome Ware

2533 Tewa Polychrome (type)
2534 Ogapoge Polychrome
2535 Pojoaque Polychrome
2536 Tewa Polychrome Painted Undifferentiated (Two Slips)
2537 Black-on-cream Undifferentiated
2538 Historic Organic Paint Undifferentiated No Slip
2539 Powhoge Polychrome
2540 Historic White\Cream Slipped Unpainted
2541 Red-on-tan Unpainted
2542 Historic Unpainted Red and Cream Slipped
2543 San Juan Red-on-tan
2544 Historic Tewa Black-on-red
2545 Sakona Polychrome
2550 Jemez Black-on-white
2551 Jemez Unpainted
2552 Casitas Red-on-brown
2553 Tewa Paste With Mineral Paint
2554 Powhoge-like Late Polychrome

Prehistoric Utility Ware

3101 Plain Gray Rim
3102 Unknown Gray Rim
3103 Plain Gray Body
3104 Wide Neckbanded
3105 Wide Neckbanded Wiped
3106 Incised Neckbanded
3107 Coiled Neckbanded
3108 Clapboard Neck
3109 Plain Scored Gray
3110 Basket Impressed Gray
3111 Indented Corrugated
3112 Incised Corrugated
3113 Plain Corrugated
3114 Smeared Plain Corrugated
3115 Alternating Corrugated
3116 Punched Corrugated
3117 Incised Plain Corrugated
3118 Smeared Indented Corrugated
3119 Patterned Corrugated
3120 Polished Gray
3121 Neck Corrugated
3122 Plain Incised
3126 Low Relief Corrugated
3130 Mica Utility Undifferentiated
3131 Sapawe Micaceous (Early Form)
3132 Potsuwi'i Incised
3133 Thin Plain Non Micaceous -Classic period
3134 Brushed
3140 Mud Ware
3141 Punctated Gray
3401 Local Brown Ware

Historic Plain Ware

3151 Tewa Buff Undifferentiated
3152 Tewa Polished Gray
3153 Tewa Polished Black
3154 Highly Micaceous Paste
3155 Smudged Interior Mica Slip Exterior
3156 Tewa Polished Red
3157 Polished Interior with Mica Slip
3158 Smudged Micaceous
3159 Smudged Interior Buff Exterior
3160 Tewa Unpolished Black
3161 Wide Neckbanded Wiped
3162 Tewa Unpolished Buff
3163 Smudged Exterior Buff Interior
3166 Unpolished Micaceous Slip
3167 Incised Utility Unpolished
3170 Micaceous Utility Undifferentiated (Temper not examined)
3171 Sapawe Micaceous (Late Variety)
3172 Potsuwi=i Incised
3173 Striated Micaceous
3179 Historic Plain Neck Banded
3180 Smudged Interior Unpolished Exterior
3181 Smudged Interior Corrugated Exterior
3185 Tewa Polished Gray with Mica Slip

3186 Tewa Polished Black with Mica Slip
3187 Polished with Highly Micaceous Paste
3401 Local Brown Ware

Sand Tempered Gray Wares
4101 Plain Gray Rim
4102 Unknown Gray Rim
4103 Plain Gray Body
4104 Wide Neckbanded
4105 Wide Neckbanded Wiped
4106 Incised Neckbanded
4107 Coiled Neckbanded
4108 Clapboard Neckbanded
4109 Plain Wiped Scored Gray
4110 Basket Impressed Gray
4111 Indented Corrugated
4112 Incised Corrugated
4113 Plain Corrugated
4114 Smeared Plain Corrugated
4115 Alternating Corrugated
4116 Punched Corrugated
4117 Incised Plain Corrugated
4118 Smeared Indented Corrugated
4119 Patterned Corrugated
4120 Polished Gray
4121 Neck Corrugated
4122 Plain Incised
4123 Unfired Plain Gray Ware
4126 Low Relief Corrugated
4140 Mud Ware
4141 Lino Smudged

Cibola White Ware
(Sand and/or sherd temper)
4201 Unpainted Undifferentiated White
4202 Mineral Paint Undifferentiated
4203 Kiathulana Black-on-white
4204 Pueblo II Indeterminate Mineral
4205 Red Mesa Black-on-white
4206 Red Mesa Black-on-white Squiggle Hatchure
4207 Escavada Black-on-white Solid Designs
4208 Red Mesa Black-on-white Thin Parallel Lines
4209 Pueblo II Black-on-white Thick Parallel Lines
4210 Gallup Black-on-white
4213 Basketmaker III-PI Mineral Paint
4214 Chaco McElmo Black-on-white
4215 San Marcial Black-on-white
4216 Indeterminate Organic Paint
4217 Smudged White Paste
4218 White Mound Black-on-white
4219 La Plata Black-on-white
4220 Indeterminate Late Pueblo I design
4221 Reserve Black-on-white
4222 Tularosa Black-on-white
4223 Late Pueblo IV Cibola Design
4224 Local Red Slipped Red on Buff
4225 Reserve/Tularosa Black-on-white
4226 Klagetoh Black-on-white
4227 Snowflake Black-on-white
4229 PIII Indeterminate Organic Paint
4230 Chaco Black-on-white

WHITE MOUNTAIN & OTHER RED WARE TRADITION

4301 White Mountain Red Painted Undifferentiated
4302 Wingate Black-on-red
4303 Puerco Black-on-red
4304 St. Johns Black-on-red
4305 St. Johns Polychrome
4306 White Mountain Red Ware (Unpainted, Undifferentiated)
4307 Wingate Polychrome
4311 Tallahogan Red
4312 Tohatchi Red (red slip over red paste)
4313 Tohatchi Red-on-brown
4314 Local Red-on-brown
4325 Deadman Style, Cibola paste
4401 Local Brown Ware

MIDDLE RIO GRANDE (KERES AREA) TRADITION

Glaze Ware Series
Utility Ware
5103 Plain Gray (MRG)
5110 Carnue Gray
5153 Historic Polished Black (MRG)
5155 Smudged Interior Mica Slipped Exterior (MRG)
5157 Polished Interior Mica Slipped Exterior (MRG)

Glaze Ware
5401 Glaze Red Unpainted
5402 Glaze Polychrome Unpainted
5403 Glaze Yellow Unpainted
5404 Glaze Unslipped Unpainted
54055405 Glaze-on-polychrome Undifferentiated
5406 Glaze-on-red Undifferentiated
5407 Glaze Body Both Surfaces Missing
5408 Glaze-on-yellow Undifferentiated
5409 Glaze Unslipped Undifferentiated
5410 Red-on-glaze body (Probable A)
5448 Unpainted Glaze A Yellow Unpainted Rim

5449 Unpainted Glaze A Red Rim
5451 Los Padillas Glaze Polychrome (Glaze A
5452 Arenal Polychrome (Glaze A)
5453 San Clemente Polychrome (Glaze A)
5454 Cienequilla Glaze-on-yellow (Glaze A)
5455 Cienequilla Polychrome Glaze A (Glaze A)
5456 Tonque Glaze Polychrome
5457 Largo Glaze-on-yellow (Glaze B)
5458 Largo Glaze Polychrome (Glaze B)
5459 Espinosa Glaze Polychrome (Glaze C)
5460 San Lazaro Polychrome (Glaze D)
5461 Puaray Glaze-on-red (Glaze E)
5462 Puaray Glaze-on-yellow (Glaze E)
5463 Kotyiti Glaze-on-yellow (Glaze F)
5464 Kotyiti Glaze-on-red (Glaze F)
5465 Kotyiti Glaze Polychrome (Glaze F)
5466 Largo Glaze-on-red (Glaze B)
5467 Puaray Polychrome (Glaze E)
5468 Heshtauthla Poly (Glaze A)

Matte Paint Series
5502 Puname Polychrome Zia Basalt
5503 Puname Polychrome Santa Ana Sand
5504 Puname style Polychrome Tuff Temper
5505 Puname Polychrome Indeterminate (Zia

5606 Acoma/Zuni Polychrome Undifferentiated
5607 Puname Polychrome Unpainted
5625 Acoma/Zuni Polychrome Indeterminate
5626 Acoma/Zuni Historic Black-on-cream
5627 Acoma/ Zuni Historic White Unpainted
5628 Acoma/Zuni Historic Red Slip Unpainted
5629 Santa Ana Area Red Slipped Painted
5630 Santa Ana Area Red Slipped Unpainted

TAOS AREA TRADITION

Prehistoric Utility Ware
6101 Plain Gray Rim
6102 Unknown Gray Rim
6103 Plain Gray Body
6104 Wide Neckbanded
6105 Wide Neckbanded Wiped or Undulated
6106 Incised Neckbanded
6107 Coiled Necked
6108 Clapboard Neck
6109 Wiped Scored Gray
6110 Basket Impression Gray
6111 Indented Corrugated
6112 Incised Corrugated
6113 Plain Corrugated
6114 Smeared Plain Corrugated
6115 Alternating Corrugated
6116 Punched Corrugated
7237 Indeterminate Organic San Juan White Ware
7238 Mancos Black-on-white, Gallup Style

5450 Agua Fria Glaze-on-red (Glaze A)
6117
6118
6119
6120
6121
6122
6123
6124
6170
6171
6172
6180
6185

Prehistoric White Ware
6201
6202 Mineral paint Undifferentiated
6204
6206
6207
6208
6209
6210
6211
6212
6213
6214
6215
6216
6217
6219
6222
6223 Trampas Black-on-white

SAN JUAN TRADITION

Prehistoric Utility Ware
7103

Prehistoric White Ware
7201
7202
7204
7205
7206
7207
7208
7210
7211
7213
7235
7236

Prehistoric Red Ware
7301 Unpainted San Juan Red
7302 Undifferentiated Black Paint San Juan Red
7303 Deadmans Black-on-red
7304 Unpainted Slipped San Juan Red
7305 Abajo Red-on-orange

TUSAYAN TRADITION

Prehistoric White Ware
8202 Indeterminate Tusayan B/W
8203 Lino Black-on-white
8204 Kanaha Black-on-white

Prehistoric Red Ware
8301 Tsegi Orange Ware Slipped Unpainted
8302 Slipped Red Mineral Paint Undifferentiated
8303 Medicine Black-on-red

Prehistoric Yellow ware
8502 Black-on-yellow Undifferentiated
8503 Historic Hopi Polychrome Undifferentiated

CHUSKA TRADITION

Prehistoric Utility Ware
9113 Chuska Corrugated

Prehistoric White Ware
9201 Unpainted Undifferentiated
9202 Indeterminate Painted Chuska Paste
9203 Naschitti Black-on-white
9207 Brimhall Black-on-white
9208 Nava Black-on-white
9209 Chuska Black-on-white
9210 Toadlena Black-on-white

SOUTHERN JORNADA MOGOLLON (EL PASO) TRADITION

Red Ware
10301 Plain Slipped Red
10304 Undifferentiated R/b

Brown Ware
10401 El Paso Brown Rim
10403 El Paso Brown Body
10451
10452
12207 Socorro Black-on-white (Solid Designs)
12210 Socorro Black-on-white (Hatchured design)
12211 Socorro B/W (Hatchured and solid designs)
12440 Pitohe
12451 Los Lunas Smudged
10453

Polychrome Ware
10502
10503

NORTHERN JORNADA MOGOLLON TRADITION

White Ware
11201
11204
11207
11210
11211
11212
11215

Red Ware
11301
11302
11304
11305
11306
11307
11308
11309
11310
11315
11320
11321

Brown Ware
11401
11403
11404
11405
11408
11410
11411
11413
11451
11452
11455
11456
11458
11460

EASTERN MOGOLLON TRADITION

12201 El Paso Smudged Surface
12204 Thin El Paso Unpainted Brown
12452 Indented Corrugated Brown

MOGOLLON HIGHLAND TRADITION

Decorated Pottery
13201 Mogollon Red-on-brown
13202 Mimbres white ware Unpainted
13203 Mimbres Black-on-white Undifferentiated
13204 Three Circles Red-on-white
13205 Mimbres Boldface Black-on-white
13207 Classic Mimbres Black-on-white
13211 Indeterminate Painted Brown Ware

Red Ware
13302 San Francisco Red

Brown Ware
13401 Alma Plain Rim
13403 Alma Plain body
13404 Alma Scored
13410 Reserve Plain/Indented Corrugated
13411 Reserve Indented Corrugated
13412 Reserve Indented Corrugated Smudged
13413 Reserve Plain Corrugated
13414 Reserve Plain Corrugated Smudged
13420 Reserve Smudged
13421 Tularosa Patterned Smudged
13422 Plain Smudged with Red Slip exterior

CHIHUAHUA TRADITION

Red Ware
14301 Playas Plain Red
14302 Playas Incised

Polychrome
14502 Unpainted Decorated
14505 Ramos Polychrome
14506 Escondido Polychrome
14507 Barbicora Polychrome
14508 Indeterminate Thin Parallel Lines

SALADO TRADITION

15501 Slipped Unpainted (Salado Polychrome)
15502
15503
15505

ATHABASCAN TRADITION
12 Indented corrugated
13 Plain corrugated
14 Smeared indented corrugated
15 Smeared plain corrugated
16 Wide neck banded wiped
17 Wide banded incised
18 Indented corrugated incised

16101
16103
16106
16120
16125
16510
16550
16551

Jemez
17101
17103
17111
17118
17180
17181

PIGMENT
0 Not recorded
1 None
2 Indeterminate
3 Mineral black
4 Mineral brown
5 Mineral red
6 Organic
7 Organic diffuse
8 Glaze paint
9 Black mineral int/ext
10 Sub-glaze
11 Indeterminate (burned-out)
12 Mineral black and red
13 Diffuse mineral
14 Organic Black-on-white clay polychrome

INTERIOR/EXTERIOR MANIPULATION
0 Not recorded
1 Plain unpolished
2 Plain polished
3 Polished white slip
4 Polished red slip
5 Polished smudged
6 Plain scored
7 Micaceous slip
8 Surface roughened
9 Wide fillet (Salado paste)
10 Narrow fillet
11 Clapboard

19 Plain indented corrugated
20 Alternating wide fillet/indented Corrugated
21 Punched corrugated
22 Plain incised herringbone
23 Patterned corrugated
24 Neck corrugated plain
25 Light polish white slip

26 Polished white slip/plain unpolished
27 Unpolished white slip
28 Polished thin white slip
29 Basket impressed
30 Vegetal impressed
31 Polished cream/red slip
32 Polished cream slip
33 Unpolished red slip
35 Zoned corrugated
36 Polished striated
37 Low relief corrugated
38 Parallel incised
39 Parallel herringbone incised
40 Polished thin cream
41 Unpolished cream
44 Fingernail Incised
45 Punctate linear
46 Punctate herringbone incised
47 Punctate linear and herringbone
48 Neck corrugated (indented)
49 Alternating wide neckbanded
50 Floated
51 Smudged with micaceous slip
52 Fugitive Red
54 Indeterminate incised
55 Smeared indeterminate
56 Alternating plain indented corrugated
57 Red or white micaceous slip
58 Polished red punctate
59 Red slip incised
60 Punctate
61 Smeared, plain corrugated with/mica slip
62 Incised/punctated w/mica slip
63 Brushed
64 Striated with mica slip
65 Polished gray with polished mica slip
66 Narrow coil w/ white slip
67 Alternating coil/indented corrugated
68 Alternating herringbone/parallel incised
100 Indeterminate

VESSEL FORM

0 Not applicable
1 Indeterminate
2 Bowl rim
3 Bowl body
4 Seed jar
5 Olla rim
54 Soup plate bottom
55 Jar foot
56 Square corner
57 Miniature soup plate
58 Pot rest
59 Jar body with indeterminate handle
6 Jar neck
7 Jar rim
8 Jar body
9 Jar body with strap or coil handle
10 Jar body with lug handle
11 Dipper with handle
12 Gourd dipper
13 Dipper rim
14 Indeterminate coil/strap handle
15 Canteen rim
16 Miniature jar
17 Miniature pinch pot rim
18 Miniature pinch pot body
19 Jar rim with strap handle
20 Cloud blower
21 Applique
22 Jar rim with lug handle
23 Bowl rim with indeterminate handle
24 Seed jar rim
25 Effigy
26 Fired coil
27 Body sherd polished int/ext
28 Body sherd unpolished
29 Body sherd unpolished int/polished ext
30 Body sherd polished int/unpolished ext
31 Feather box
32 Indeterminate rim
33 Soup plate
34 Pipe stem
35 Jar rim with coil handle
36 Pipe bowl
37 Dipper handle
38 Pitcher rim
39 Pitcher body
40 Terrace bowl
41 Curved pipe
43 Perforated coil (non-vessel)
44 Plate tray
45 Spindle Whorl
46 Figurine
47 Jar Lid
48 Flared bowl rim
49 Double Bowl
50 Candlestick
51 Olla
52 Indeterminate lug handle
53 Dipper body

MODIFICATIONS

0 Not applicable
1 None
2 Drill hole (complete)
3 Ceramic scraper
4 Beveled edge
5 Firing spall
6 Punched hole
7 Interior worn from cooking
8 Interior spall (erosion)
9 Abraded surface (exterior)

10 Drill hole (incomplete)
11 Interior surface partially worn
12 Abraded surface (interior)
13 Exterior firing spall
14 Interior partially spalled during firing
15 Rim wear
16 interior/exterior erosion
17 Sooted exterior/interior
18 Sooted interior
19 Exterior partially exfoliated (erosion)
20 Sooted exterior
21 Punched rim
22 Shaped (all sides)
23 Spindle whorl
24 Reshaped Rim
25 Shaped form with drilled hole (not spindle whorl or ornament)
26 Pendant
27 Pigment residue
28 Intentional Chipping
29 Serrated
30 Unknown residue
31 Small chip tray (poss. Puki)
32 Slag residue
33 Rounded from water transport
34 Drill with incised design
35 Single groove (incised)

CONSTRUCTION
0 Not examined
1 Indeterminate
2 Interior coil application
3 Exterior coil application

COMMENTS
1 Photo
2 Re-look
3 Partial vessel
4 Petrographic
5 Missing
8 Whole vessel
9 Written comment
10 Refired
11 Stylistic analysis
12 Photo and Stylistic analysis

WARE GROUP
1 Gray
2 White
3 Red
4 Plain Brown
4.5 Textured Brown
5 Glaze
6 Micaceous
7 Historic Plain
8 Historic Decorated
9 Polychrome

TRADITION
1 Indeterminate
2.0 Rio Grande (Prehistoric)
2.1 Rio Grande (Historic Tewa)
2.5 Rio Grande (Keres)
4 Cibola
6 Taos
7 Upper Rio Grande
8 Tusayan
9 Chuskan
10 Southern Jornada Mogollon (El Paso)
11 Northern Jornada Mogollon
12 Eastern Mogollon Highlands
13 Mogollon Highlands
14 Chihuahuan
15 Salado
16 Athabaskan

GROUP
1 Indeterminate White Ware
2 Cibola White Ware
2.5 Yellow Ware (Hopi)
3 Rio Grande Glaze Ware
4 El Paso Brown Ware
5 El Paso Polychrome
6 Chupadero (Black-on-white paste)
7 Three Rivers (red paste)
8 Jornada Brown Ware
9 Corona Corrugated
10 Mogollon Brown Ware
11 Chihuahuan Polychrome
12 Salado Polychrome

13 Athabaskan Utility

MUNSELL
0 Not examined
1 10R
2 2.5YR
3 5YR
4 7.5YR
5 10YR

Group
1 Indeterminate white ware
2 Cibola white ware
3 Rio Grande glaze ware
4 El Paso brown ware
5 El Paso polychrome
6 Chupadero Black-on-white paste
7 Three Rivers red ware
8 Jornada brown ware
9 Corona corrugated
10 Mogollon brown ware
11 Chihuahuan polychrome
12 Salado polychrome
13 Athabaskan utility

HISTORIC WARE GROUP
1 Prehistoric Gray Ware
2 Prehistoric White Ware
3 Prehistoric Red Ware
4 Prehistoric Glaze Ware
5 Prehistoric-Historic Black-on-cream
6 Historic Unpolished Micaceous Plain
7 Historic Micaceous Polished
8 Historic Buff Utility
9 Historic Red Utility
10 Historic Polished Gray\Black Utility
11 Historic Tewa Polychrome
12 Historic Intrusive Matte Paint Polychrome
13 Historic or Indeterminate Glaze Ware
14 Other
15 Prehistoric brown
16 Historic Intrusive Utility (Middle Rio Grande)

Thics White Slip (Duwe)

0 absent
1 present

For Rim Measurement (banding lines) (Duwe)

99 present but incomplete (not measureable)

Rim ticks (Duwe)

0 absent
1 present


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