OCS Study
MMS 99-0068

SPATIAL DATA ANALYSIS OF ARTIFACTS REDEPOSITED BY COASTAL EROSION: A CASE STUDY OF MCFADDIN BEACH, TEXAS

VOLUME II: APPENDICES

MMS U.S. Department of the Interior
Minerals Management Service

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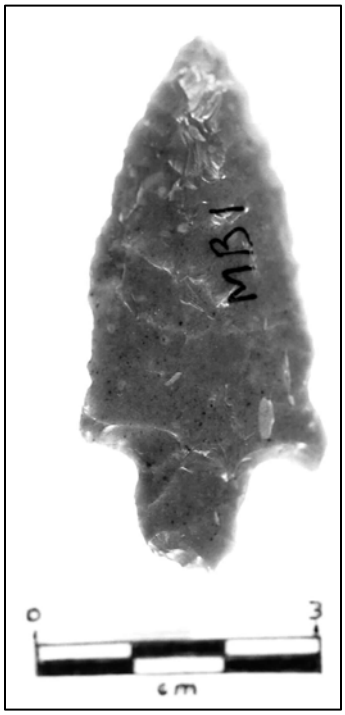
APPENDIX A

ARTIFACT PHOTOS



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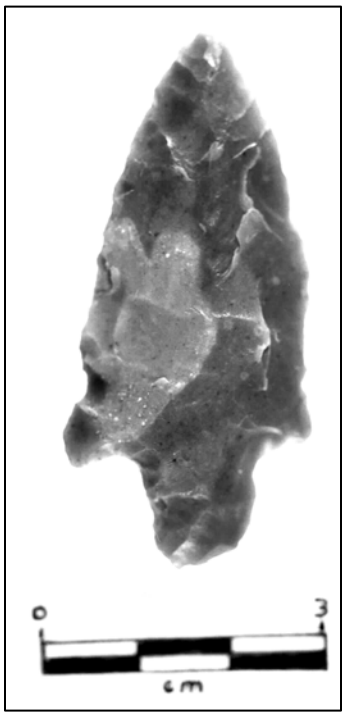

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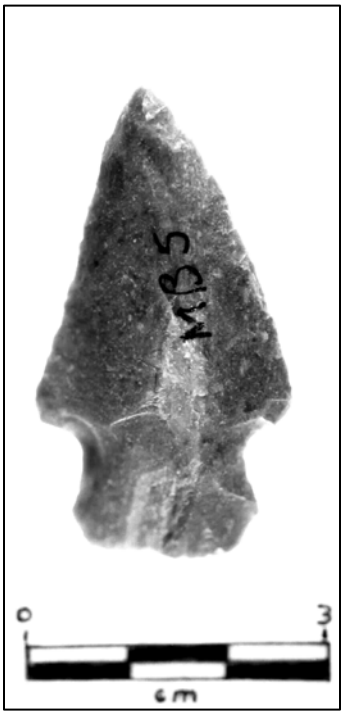

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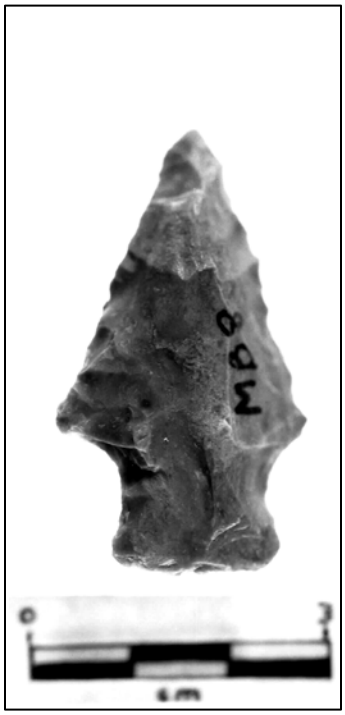

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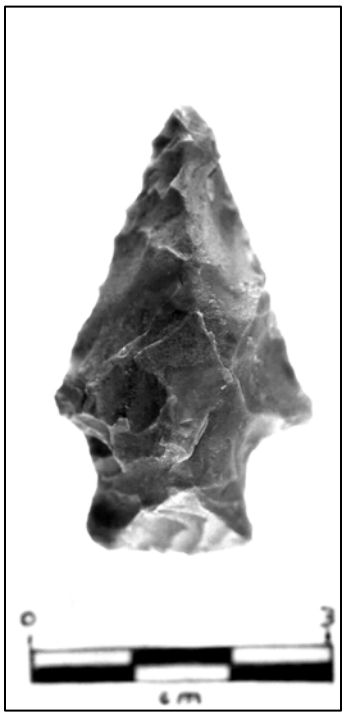

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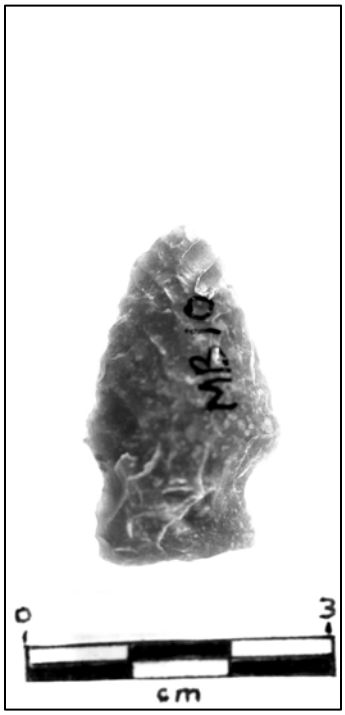

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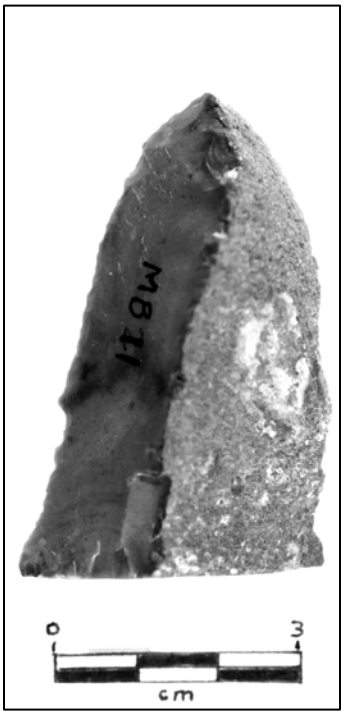

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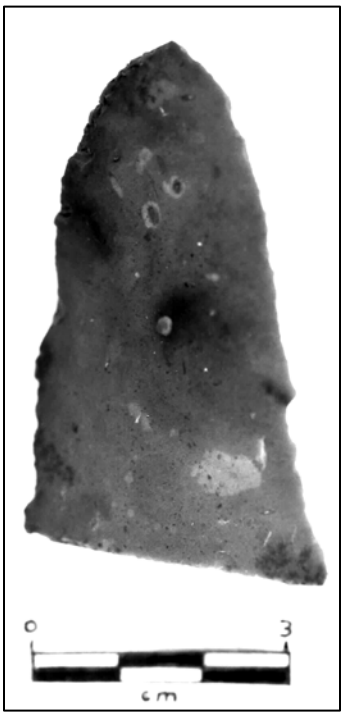

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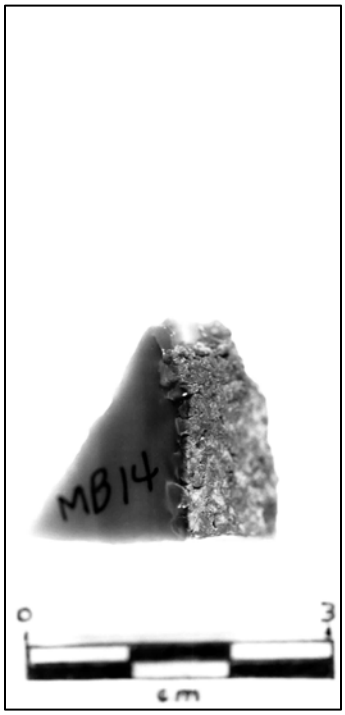

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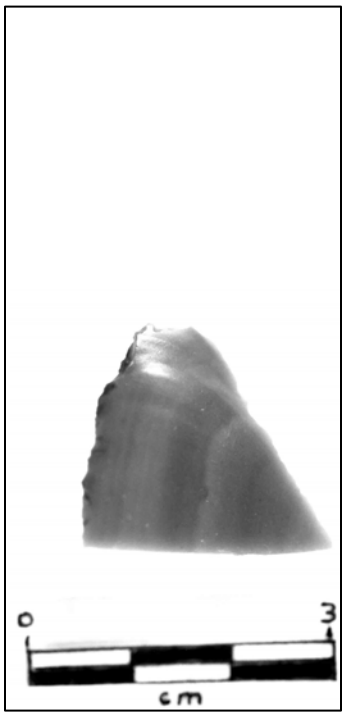

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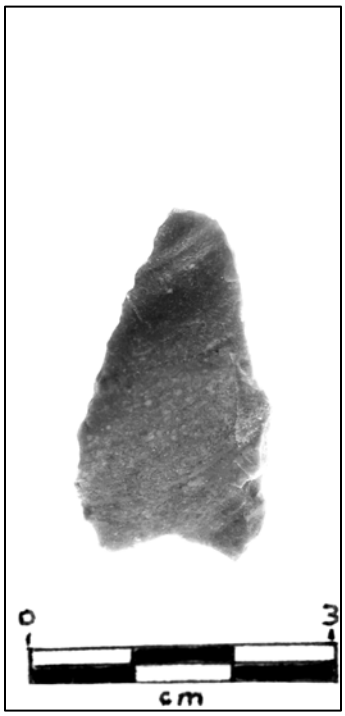

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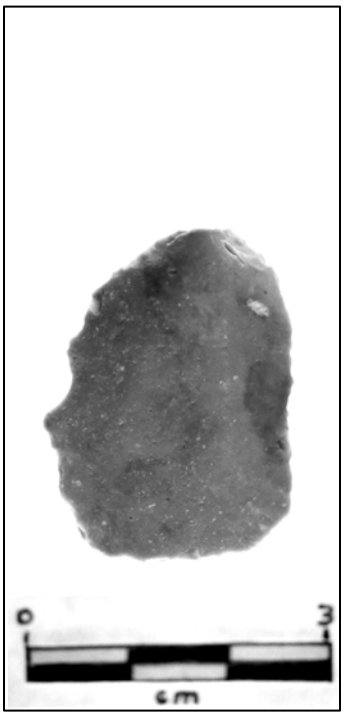

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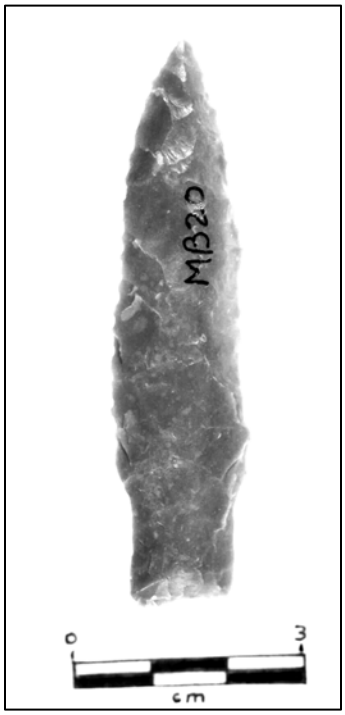

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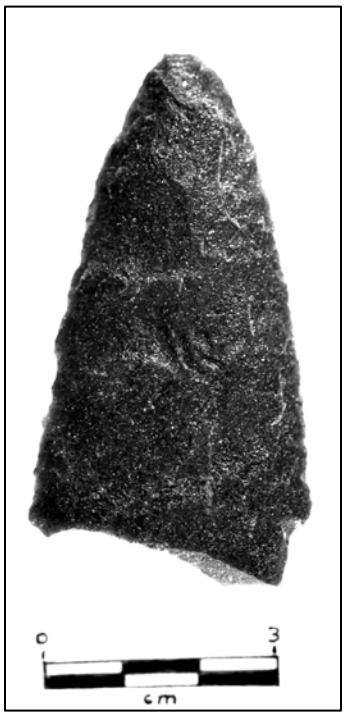

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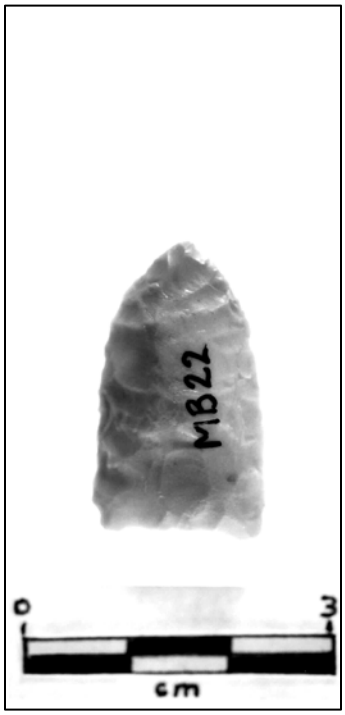

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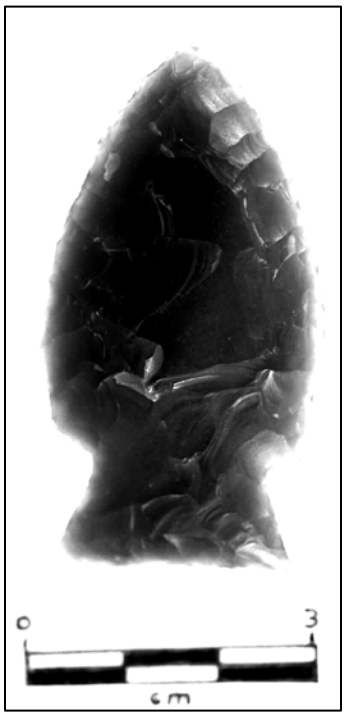

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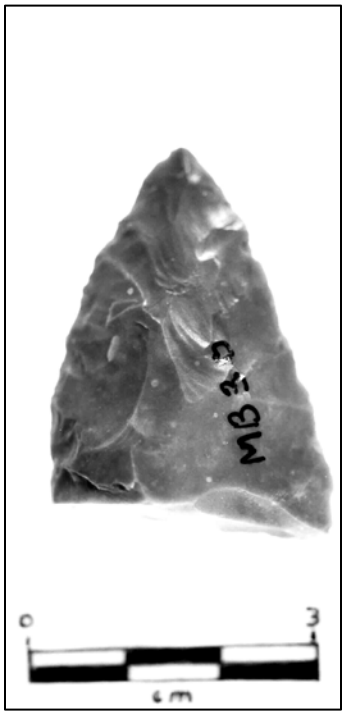

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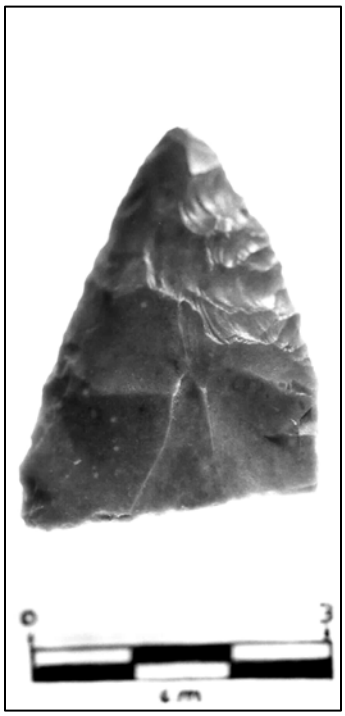

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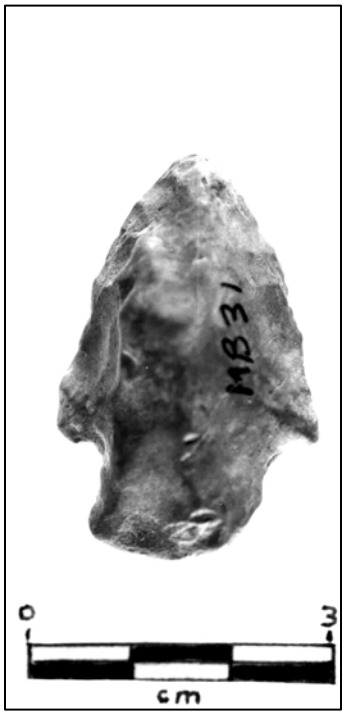

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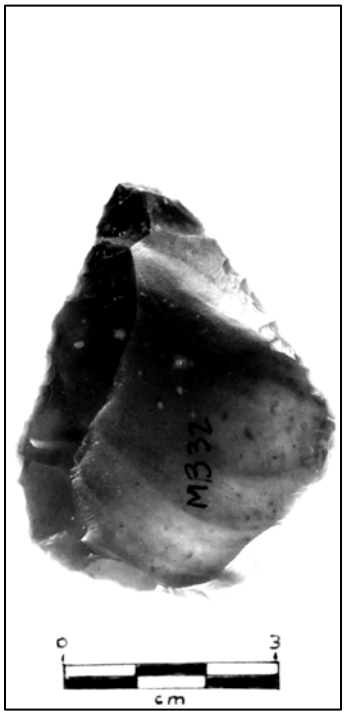

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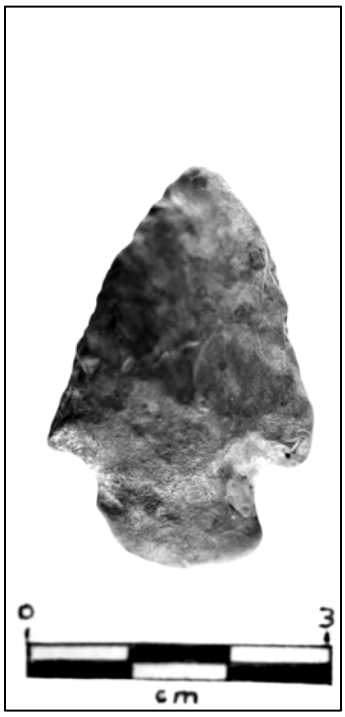

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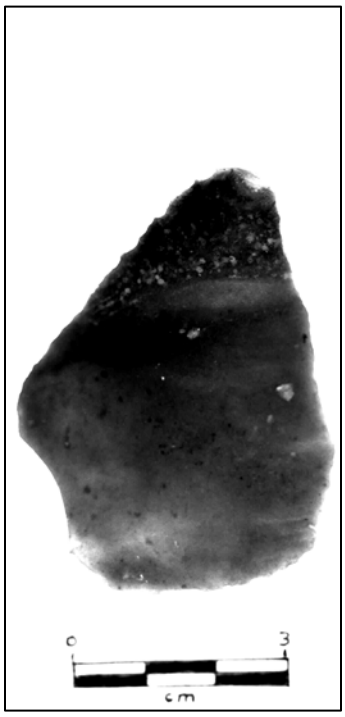

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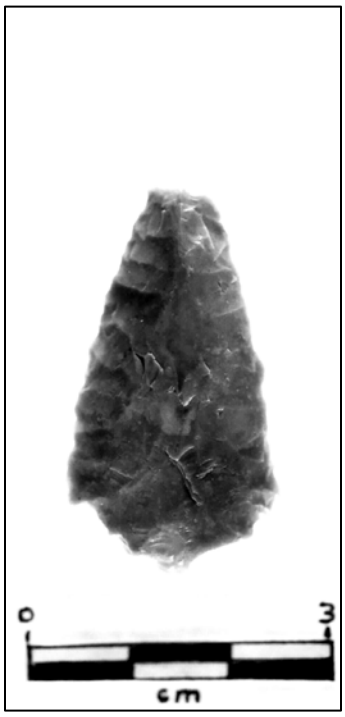

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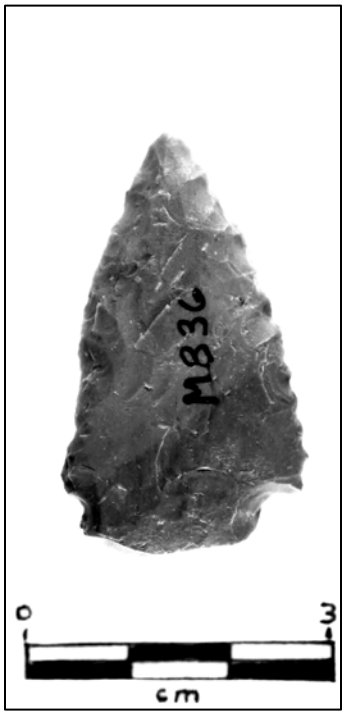

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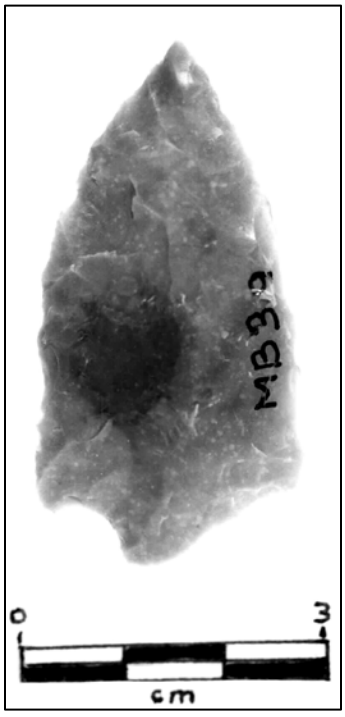

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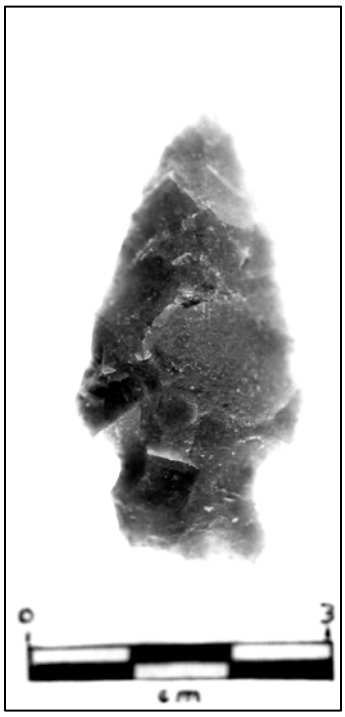

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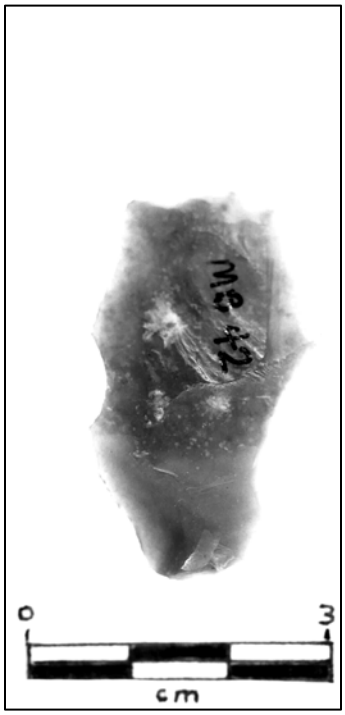

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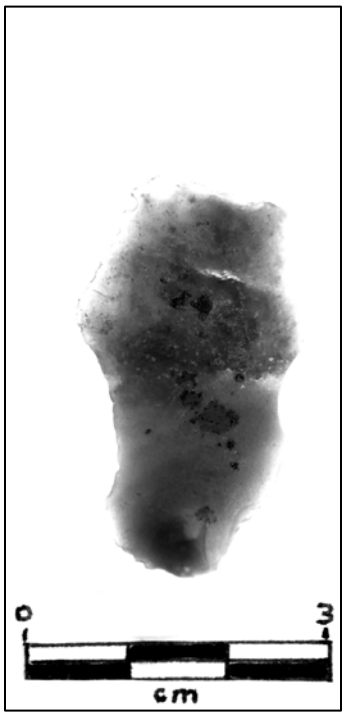

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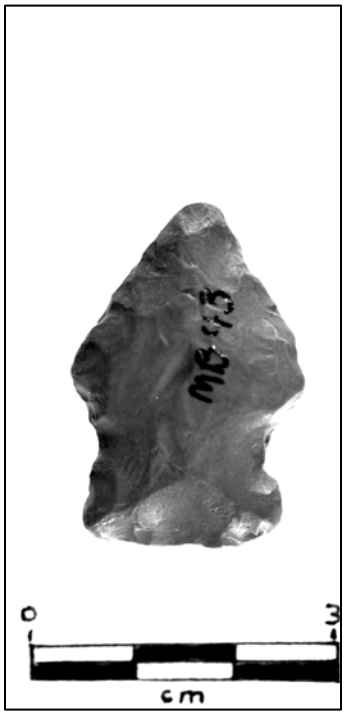

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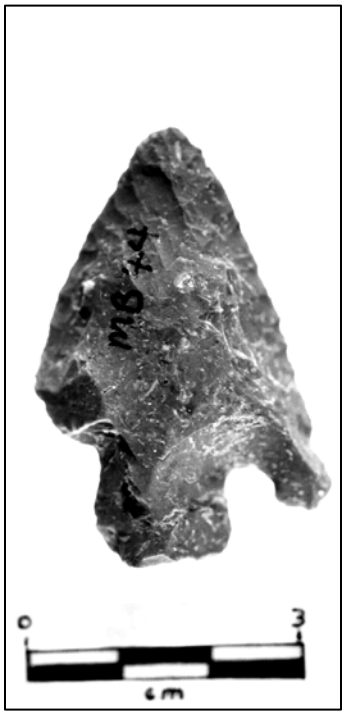

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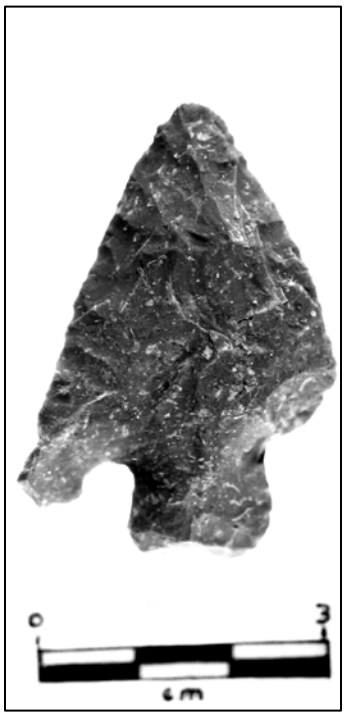

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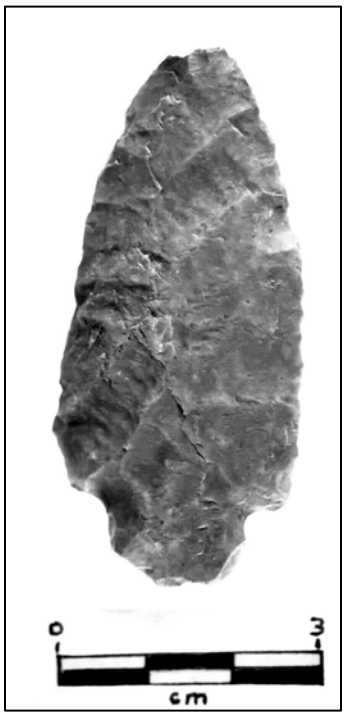

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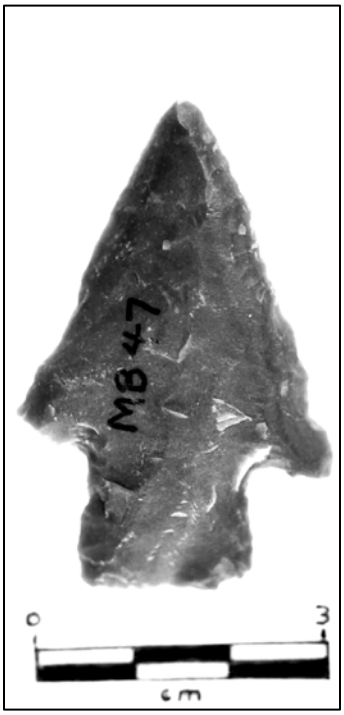

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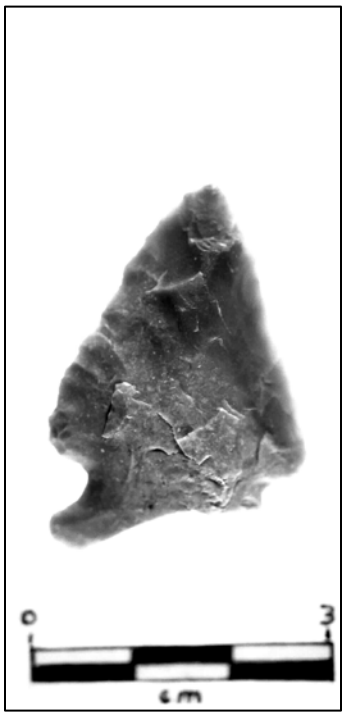

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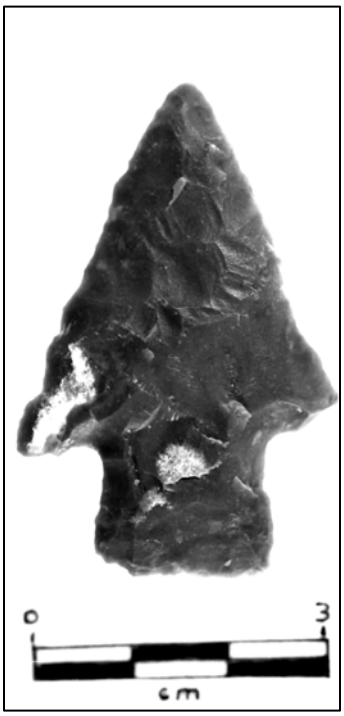

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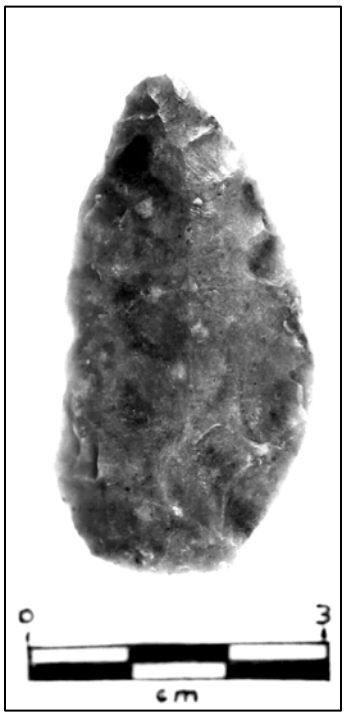

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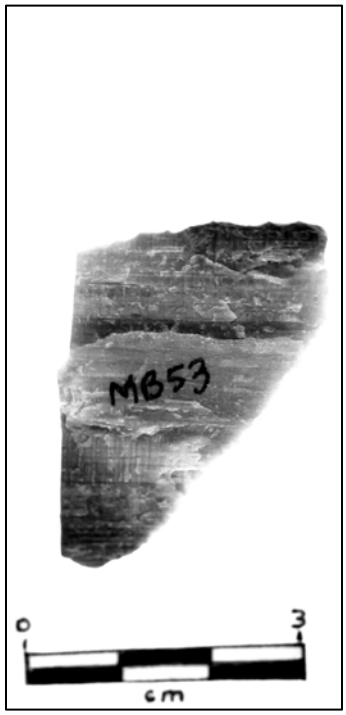

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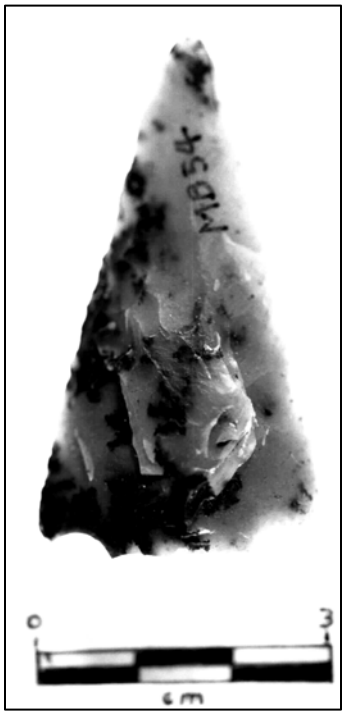

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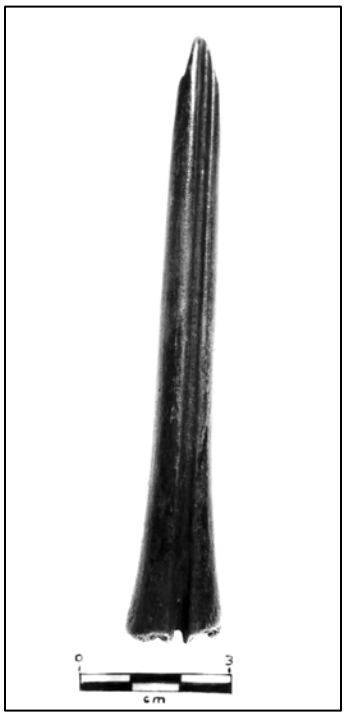

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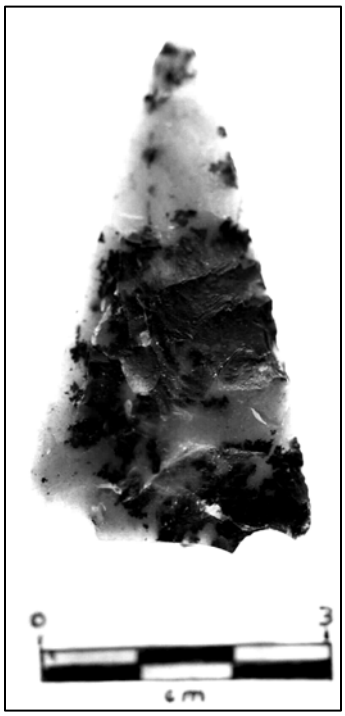

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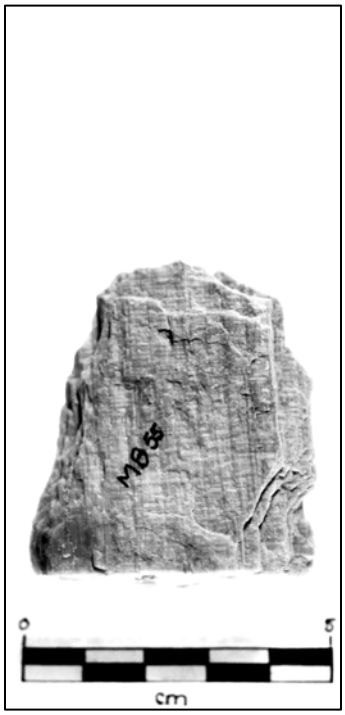

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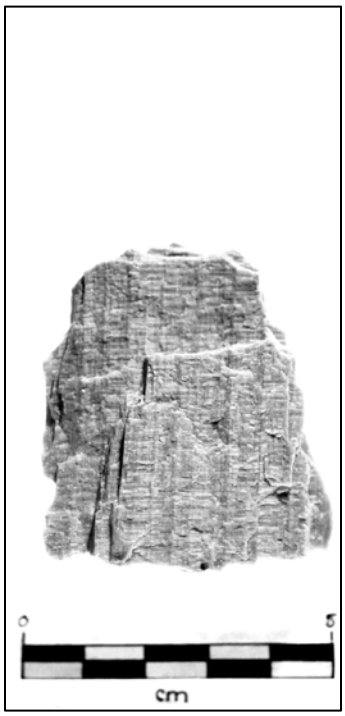

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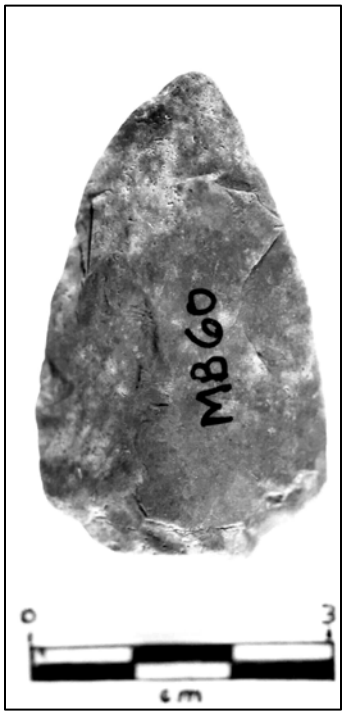

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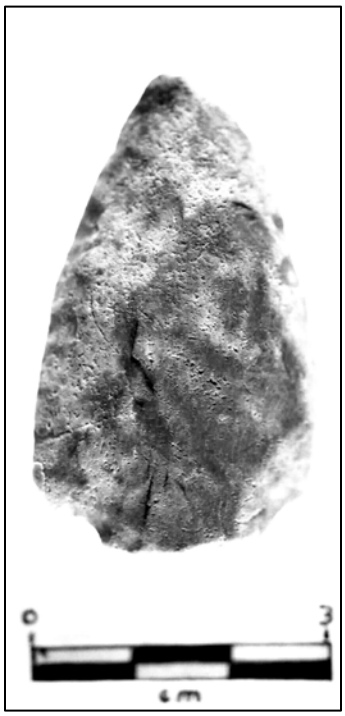

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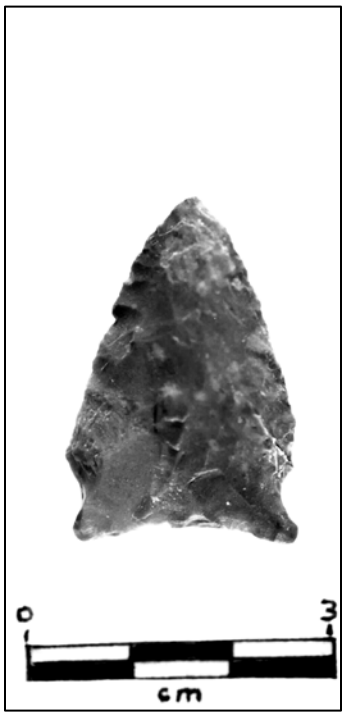

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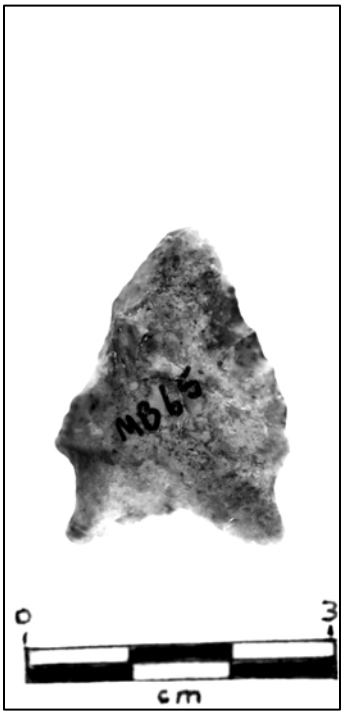

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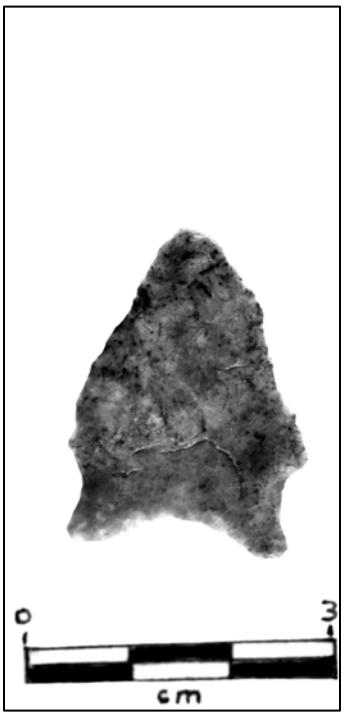

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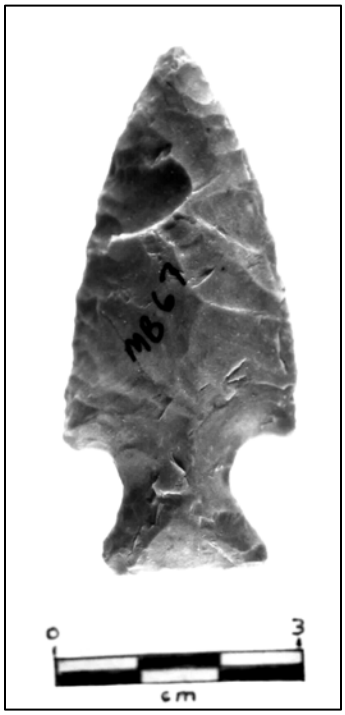

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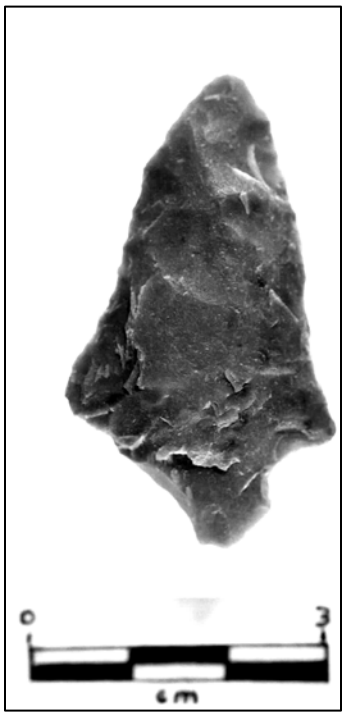

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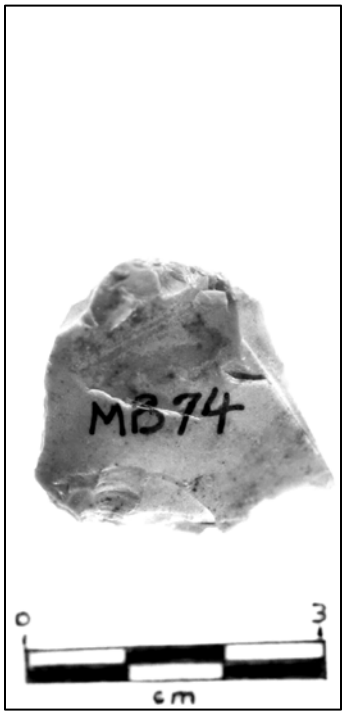

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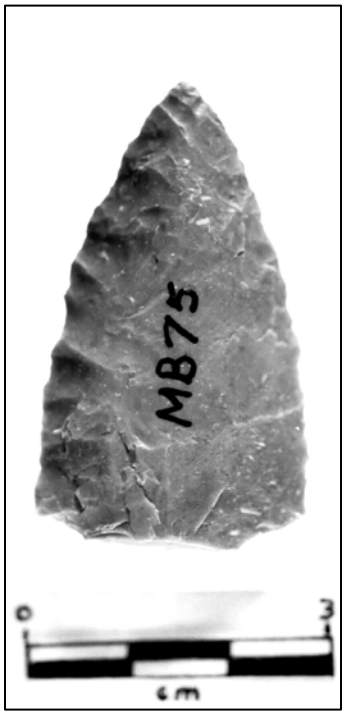

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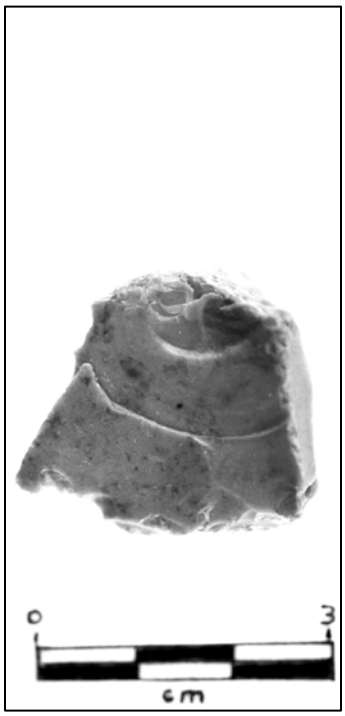

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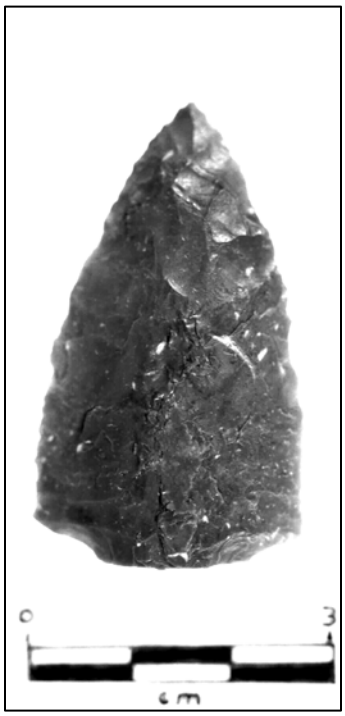

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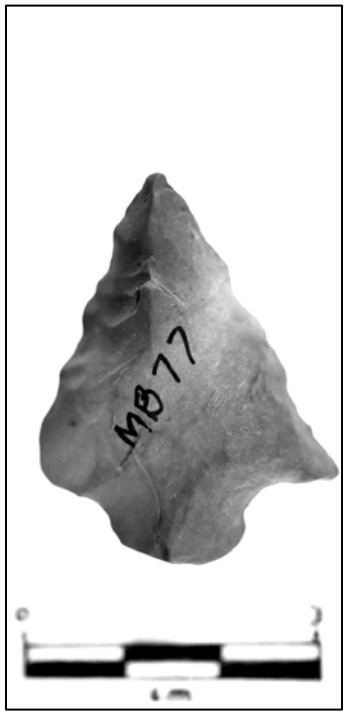

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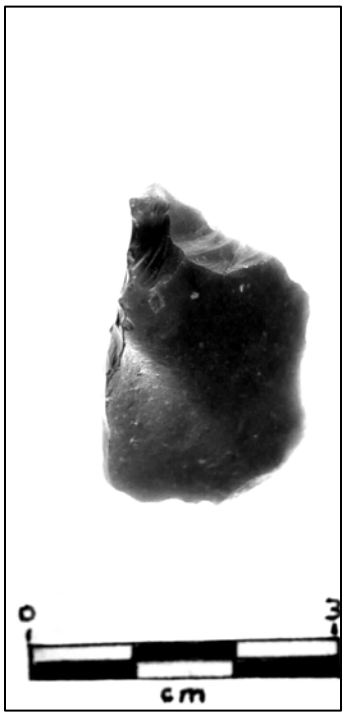

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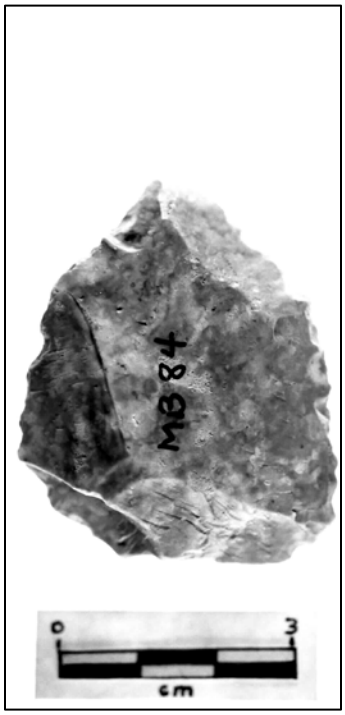
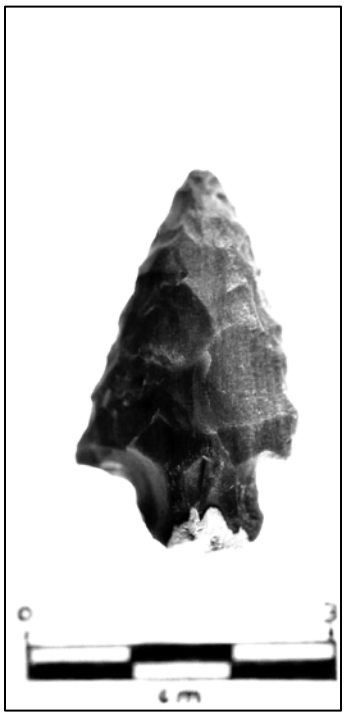
BN83

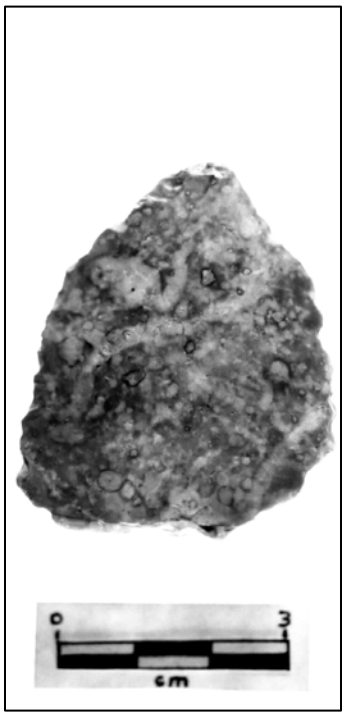


BN84



BN82 Reverse

BN83 Reverse



BN84 Reverse

BN85

BN86

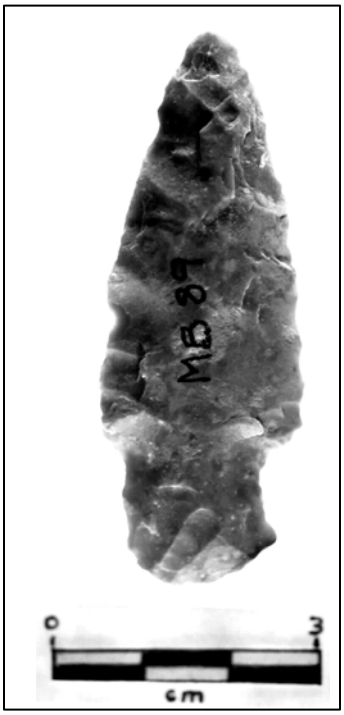
BN87

BN85 Reverse

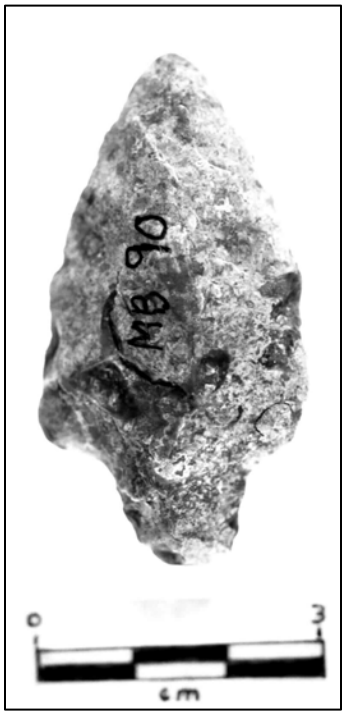
BN86 Reverse

BN87 Reverse

BN88



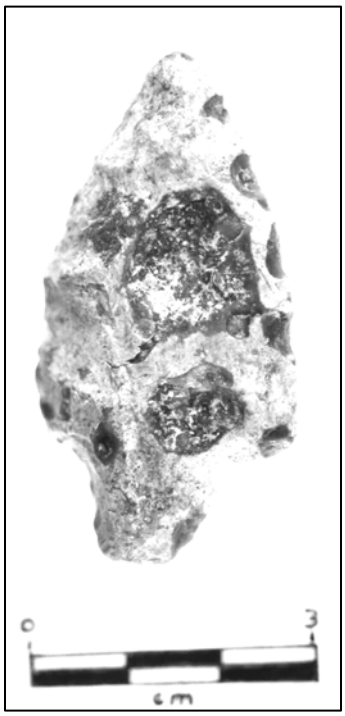
BN89



BN90

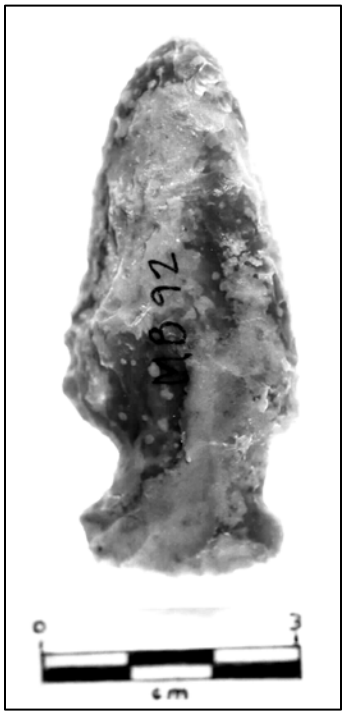
BN88 Reverse

BN89 Reverse



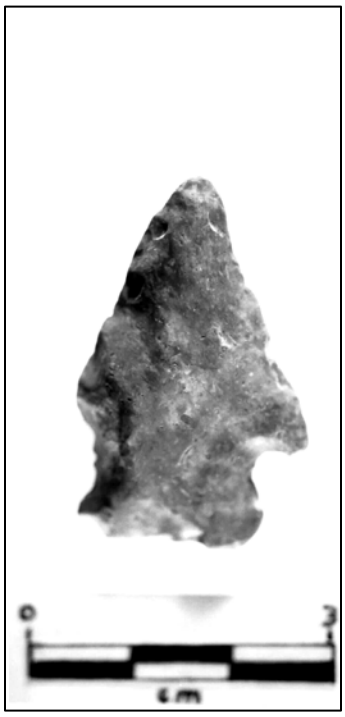
BN90 Reverse

BN91



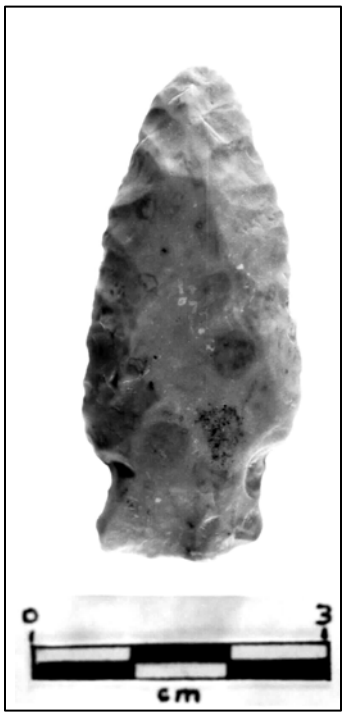
BN92

BN93



BN91 Reverse

BN92 Reverse

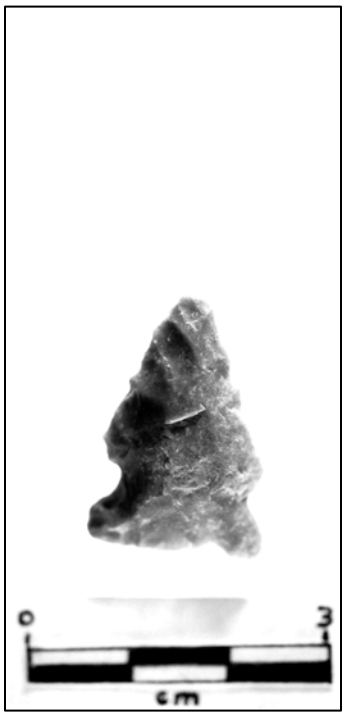


BN93 Reverse

BN94

BN95

BN96



BN94 Reverse

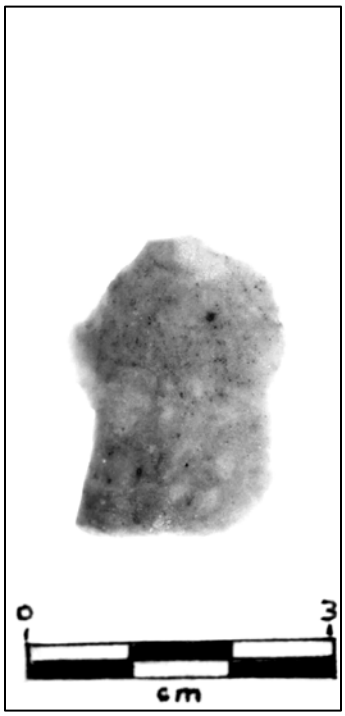
BN95 Reverse

BN96 Reverse

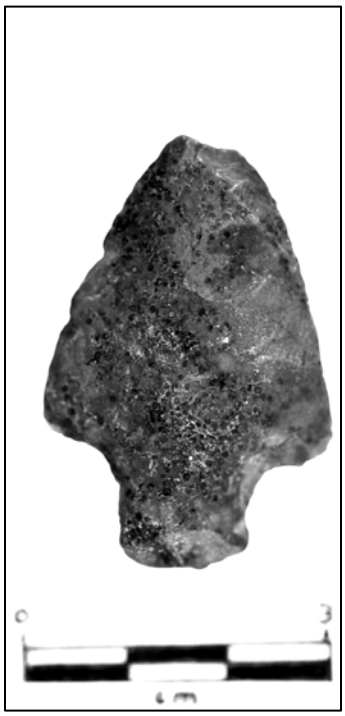
BN97

BN98

BN99



BN97 Reverse



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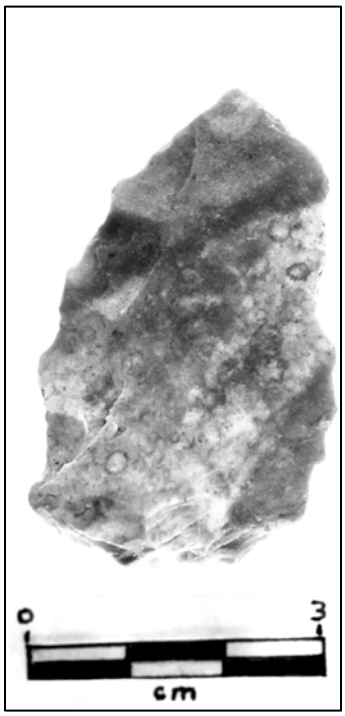

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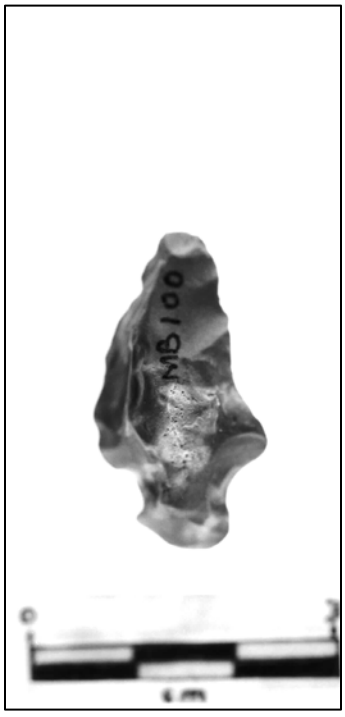
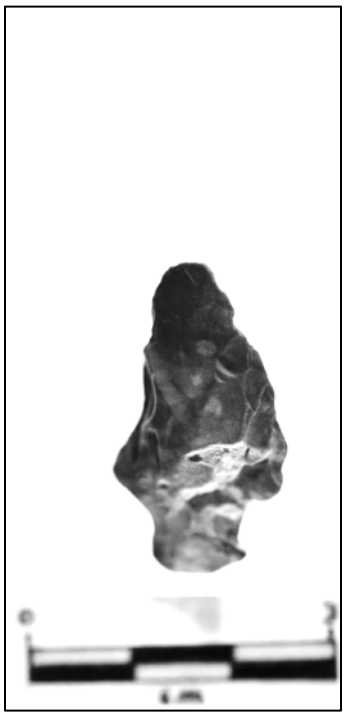


BN100

BN101

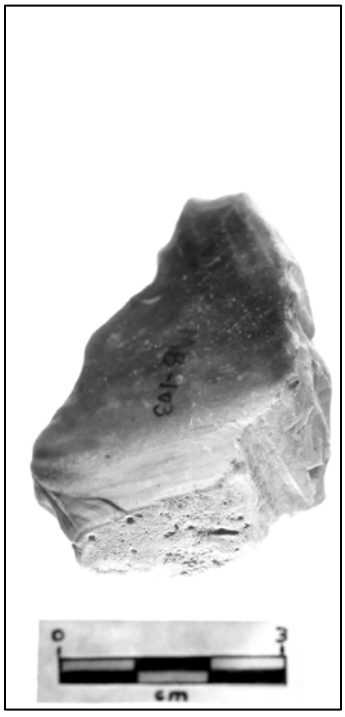
BN102



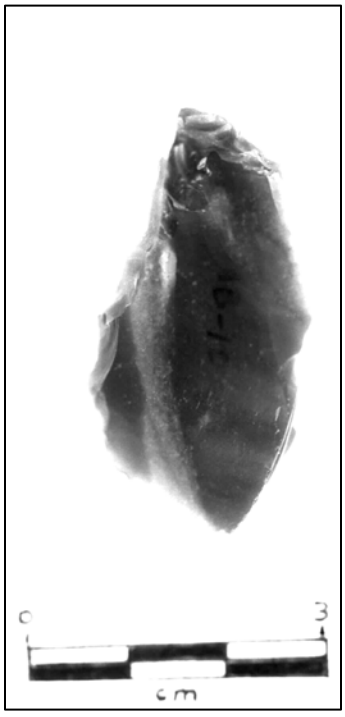
BN100 Reverse

BN101 Reverse

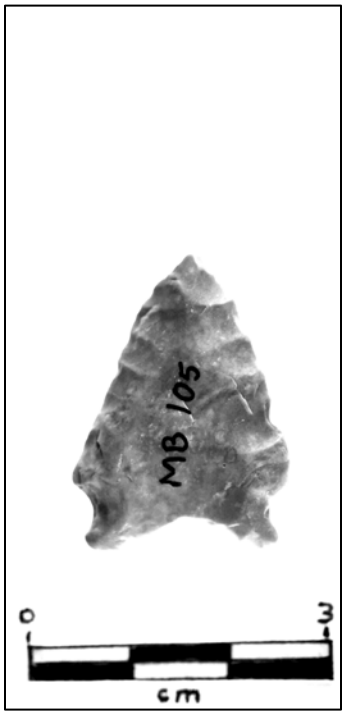
BN102 Reverse



BN103

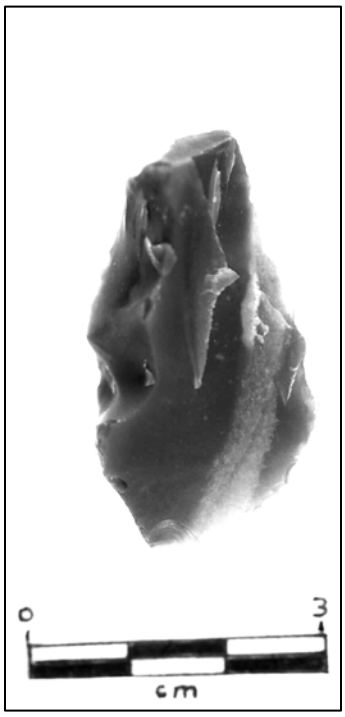


BN104

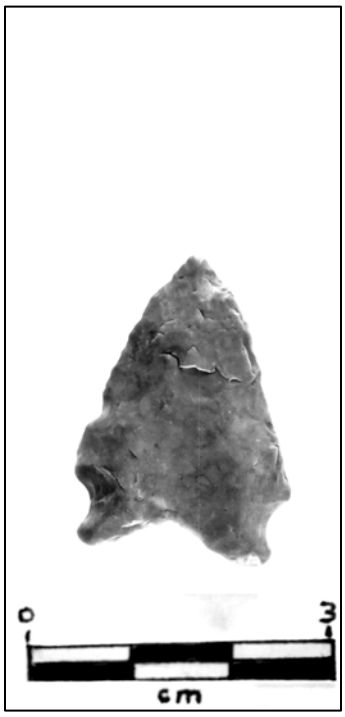


BN105

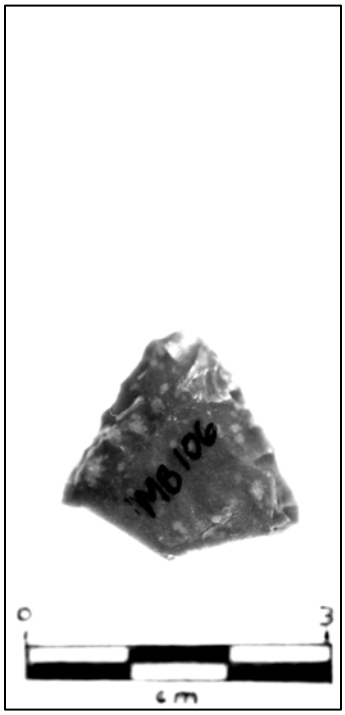
BN103 Reverse



BN104 Reverse



BN105 Reverse



BN106

BN107

BN108

BN106 Reverse

BN107 Reverse

BN108 Reverse

BN109

BN110

BN111

BN109 Reverse

BN110 Reverse

BN111 Reverse

BN112

BN113

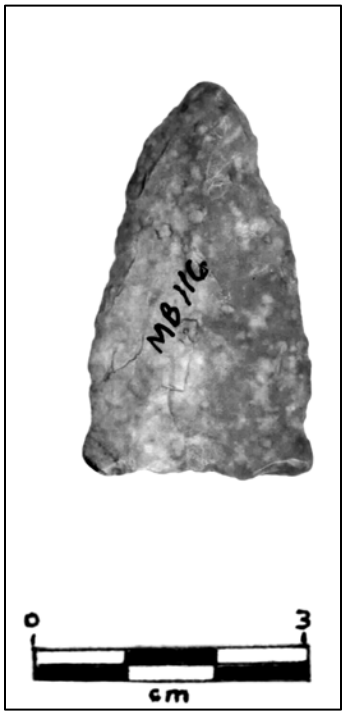
BN114

BN112 Reverse

BN113 Reverse

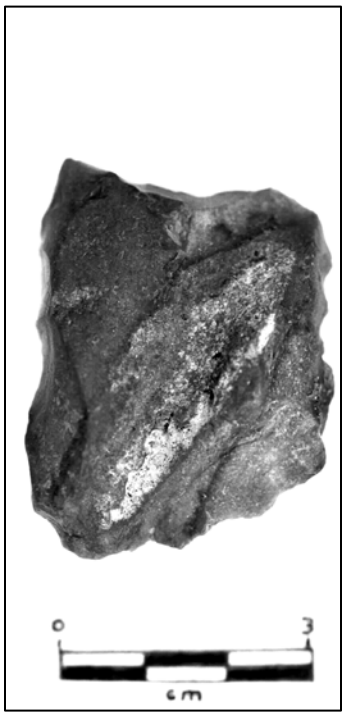
BN114 Reverse

BN115



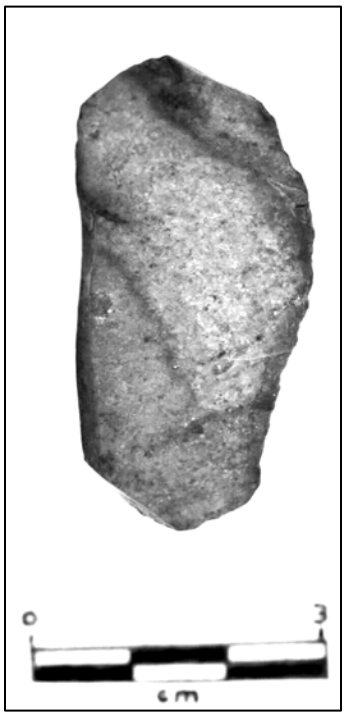
BN116

BN117



BN115 Reverse

BN116 Reverse

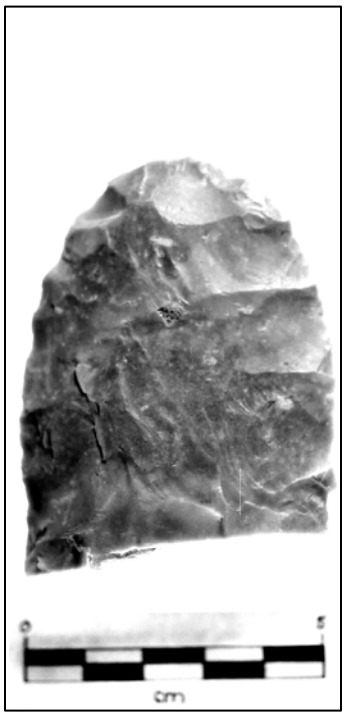


BN117 Reverse

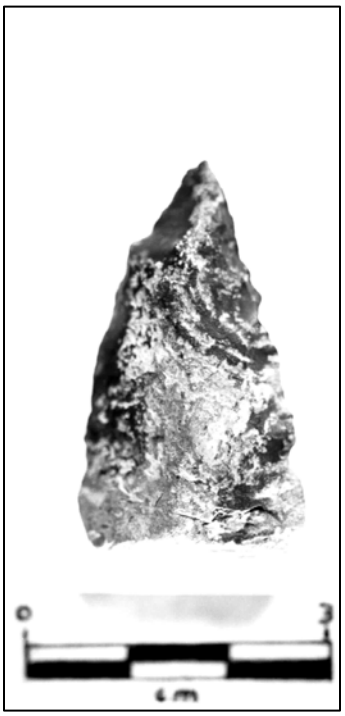
CN1

CN1A

CN2



CN1 Reverse



CN1A Reverse

CN2 Reverse

CN3

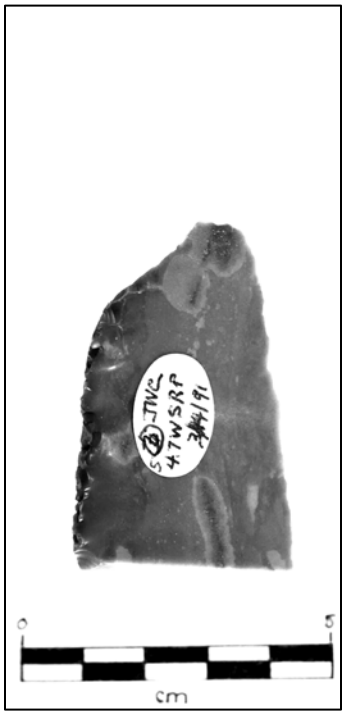
CN4

CN5

CN3 Reverse

CN4 Reverse

CN5 Reverse

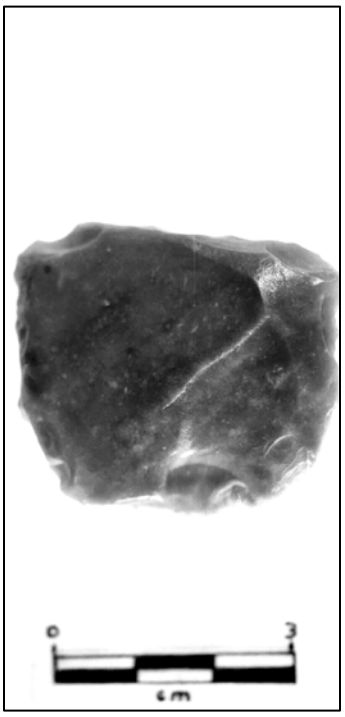


CN5A

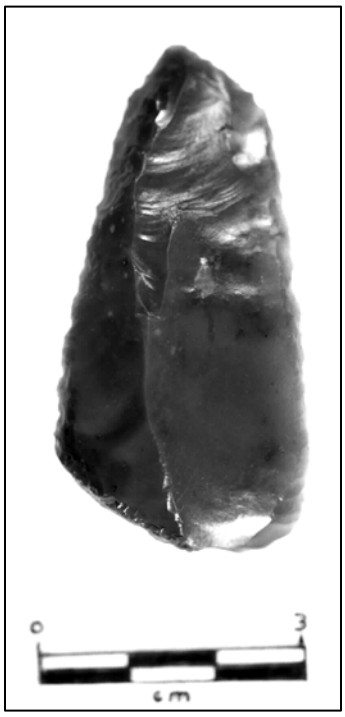
CN5B

CN5C

CN5A Reverse



CN5B Reverse



CN5C Reverse

CN6

CN7

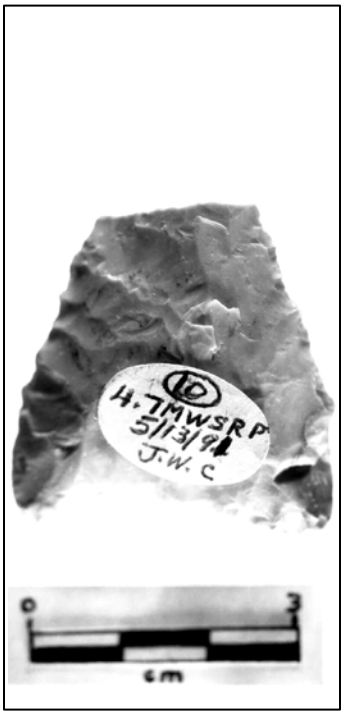
CN8

CN6 Reverse

CN7 Reverse

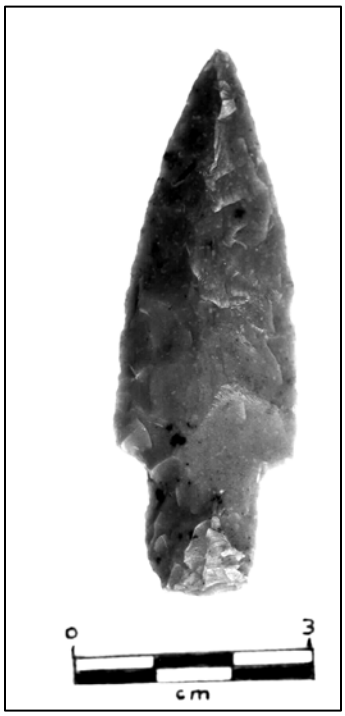
CN8 Reverse

CN9

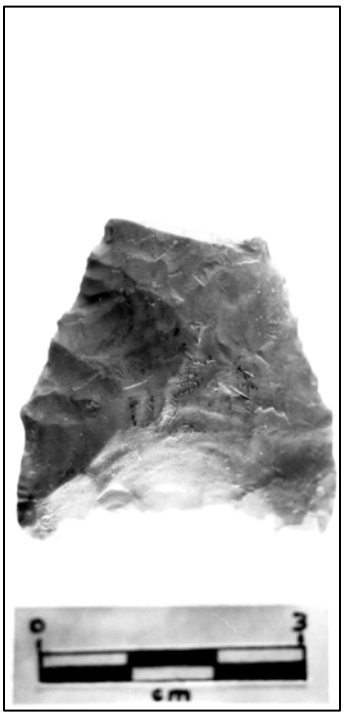


CN10

CN10A

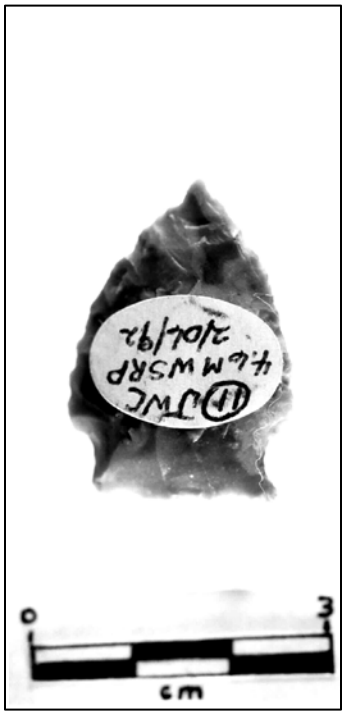


CN9 Reverse



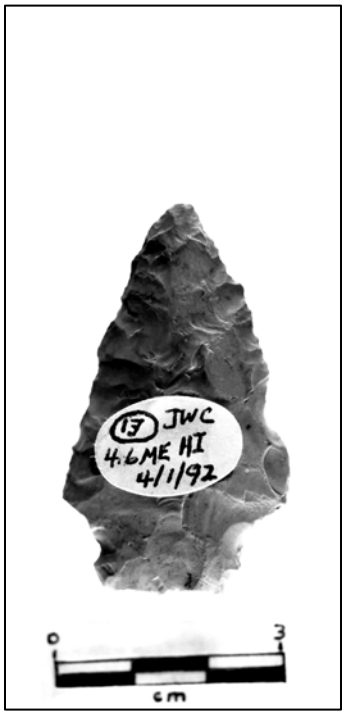
CN10 Reverse

CN10A Reverse

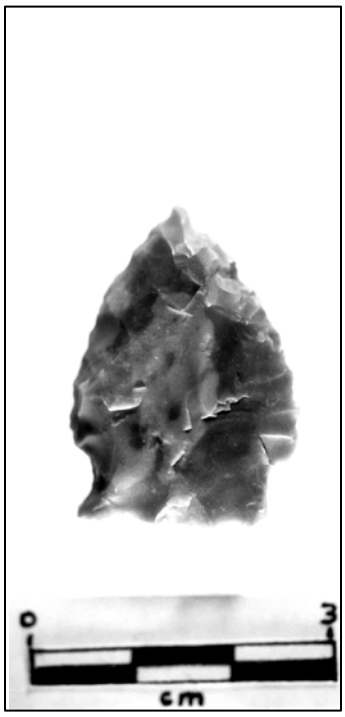


CN11

CN12



CN13



CN11 Reverse

CN12 Reverse

CN13 Reverse

CN13A

CN14

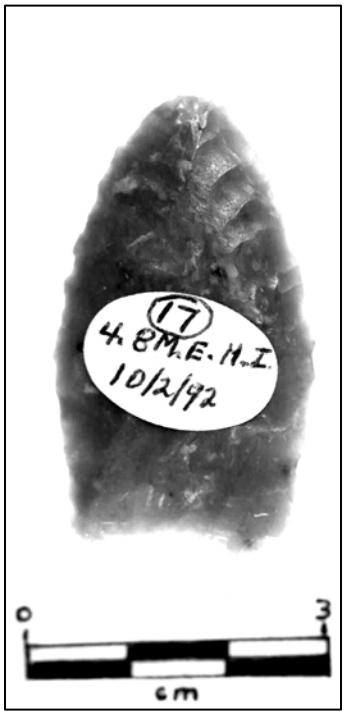
CN15

CN13A Reverse

CN14 Reverse

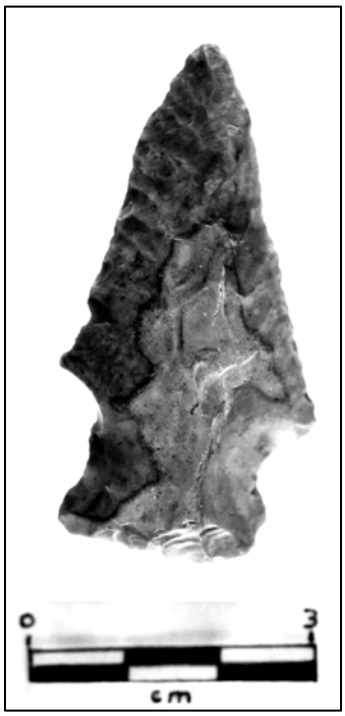
CN15 Reverse

CN16

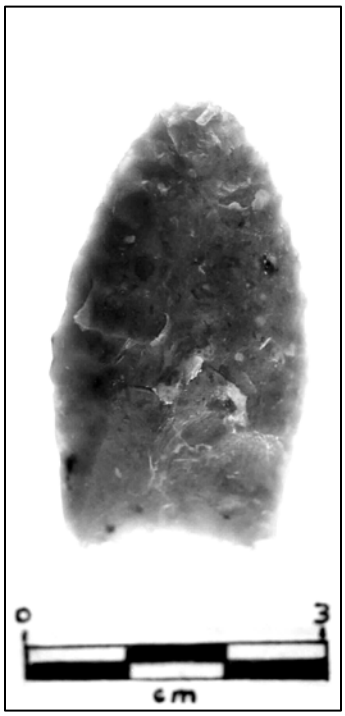


CN17

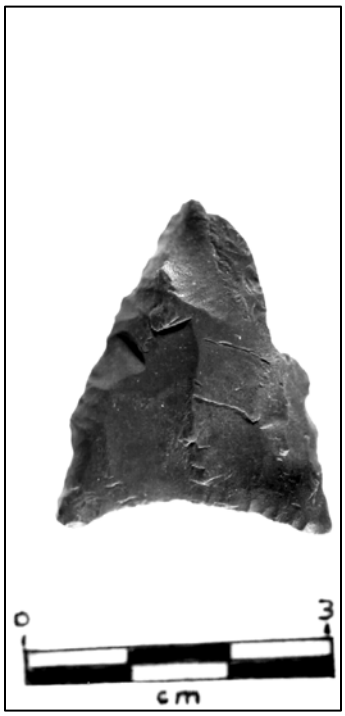
CN18



CN16 Reverse



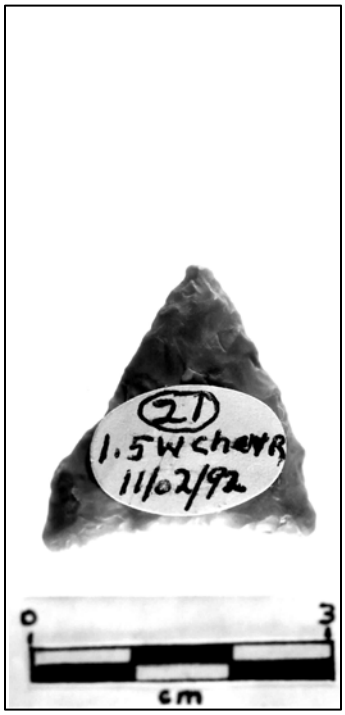
CN17 Reverse



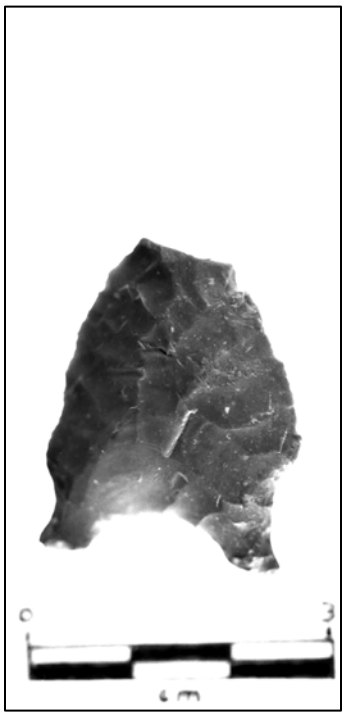
CN18 Reverse

CN19

CN20

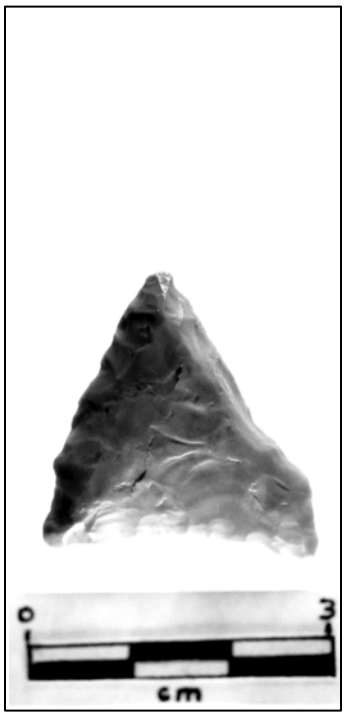


CN21

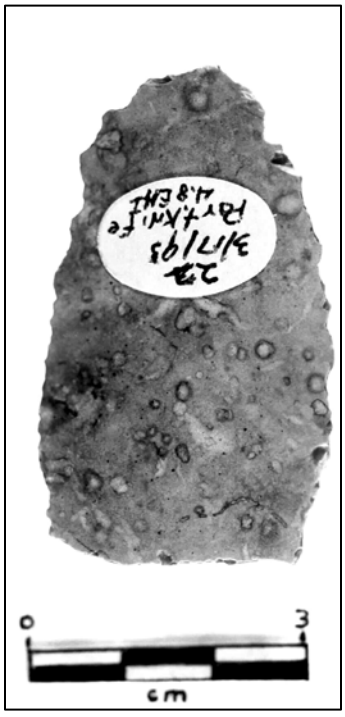


CN19 Reverse

CN20 Reverse



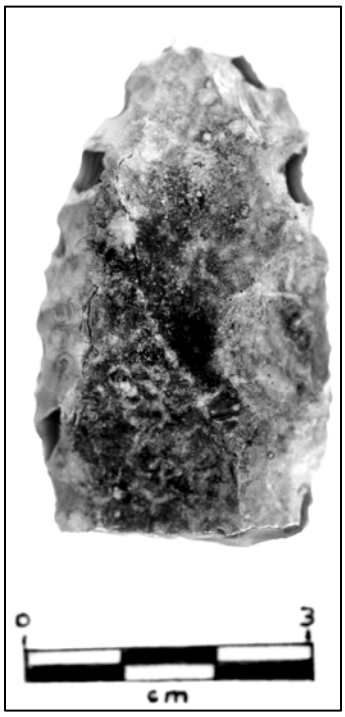
CN21 Reverse



CN22

CN23

CN24

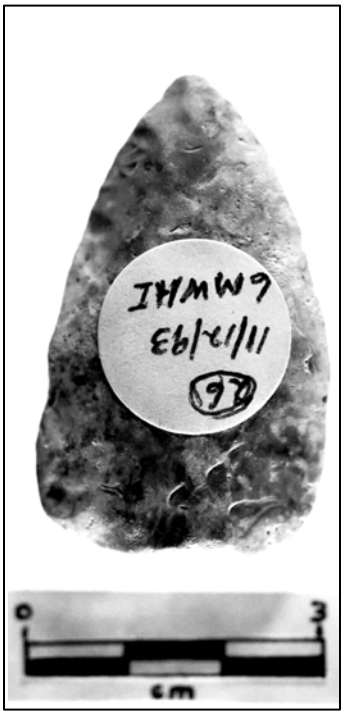


CN22 Reverse

CN23 Reverse

CN24 Reverse

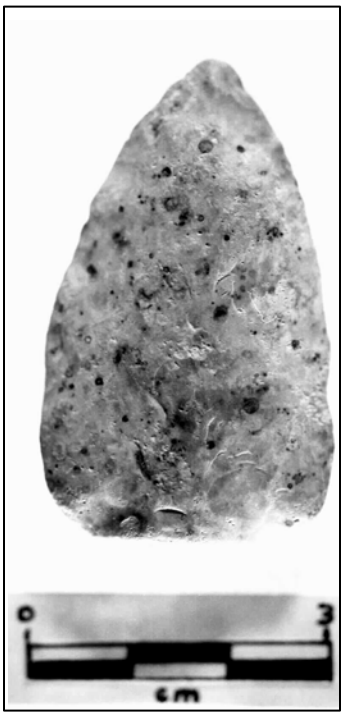
CN25



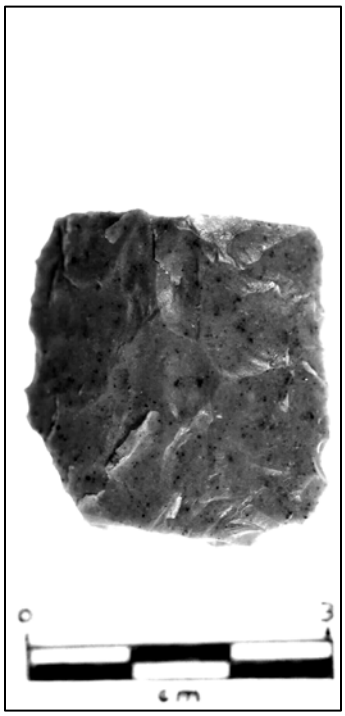
CN26

CN27

CN25 Reverse



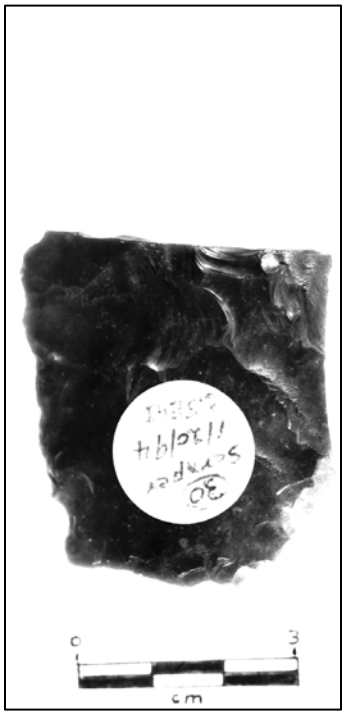
CN26 Reverse



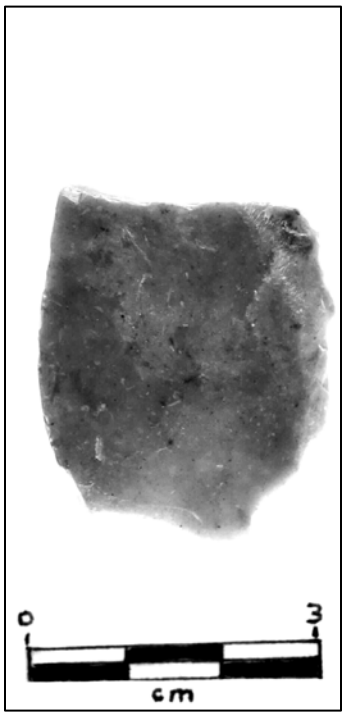
CN27 Reverse

CN28

CN29

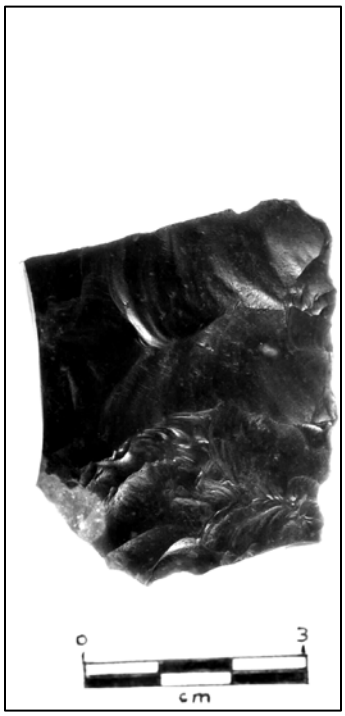


CN30



CN28 Reverse

CN29 Reverse

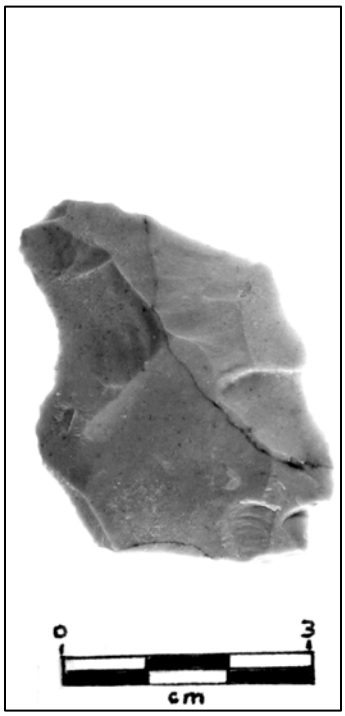


CN30 Reverse

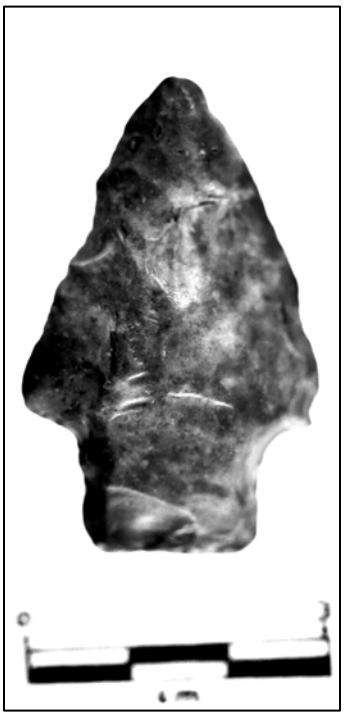
CN31

CN32

CN33

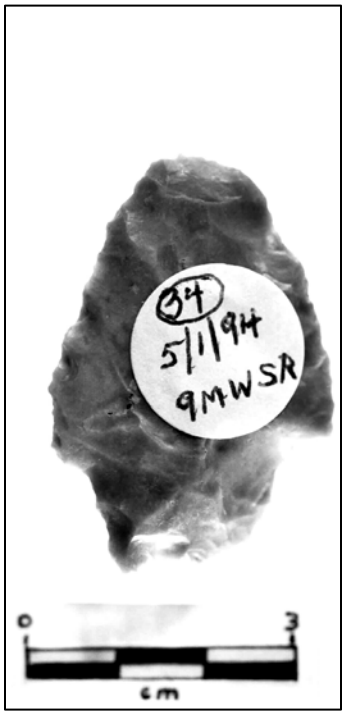


CN31 Reverse



CN32 Reverse

CN33 Reverse



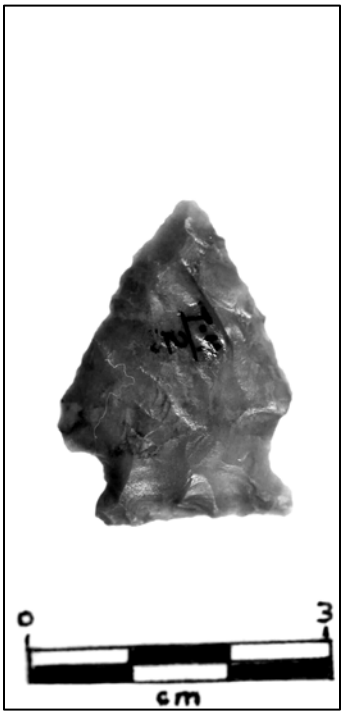
CN34

CN35

CN34 Reverse

CN35 Reverse

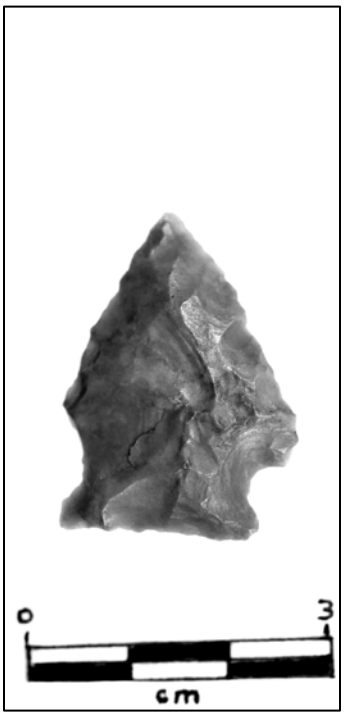
FR1



FR2

FR3

FR1 Reverse



FR2 Reverse

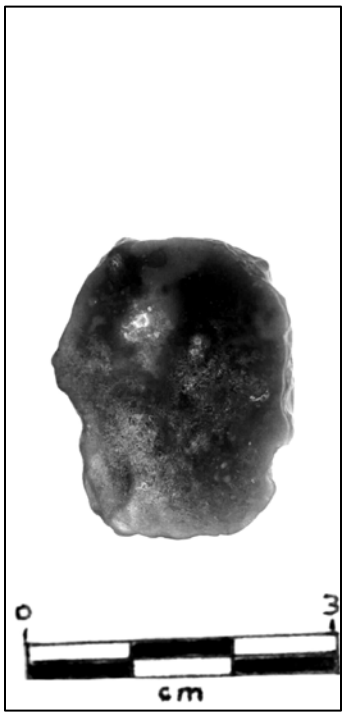
FR3 Reverse

FR4

FR5

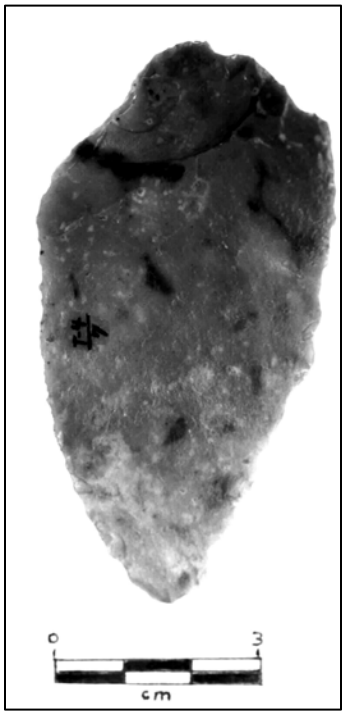
FR6

FR4 Reverse



FR5 Reverse

FR6 Reverse



FR7

FR8

FR9

FR7 Reverse

FR8 Reverse

FR9 Reverse

FR10

FR11

FR12

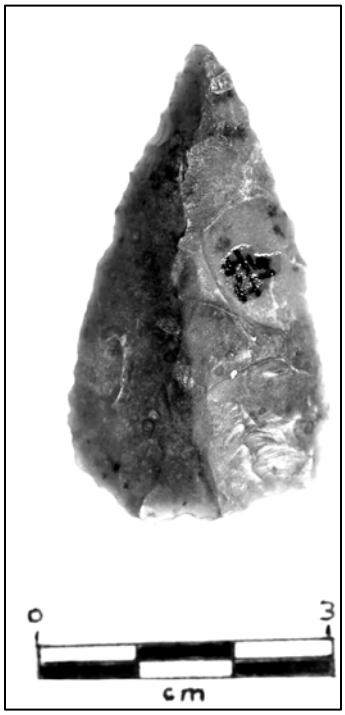
FR10 Reverse

FR11 Reverse

FR12 Reverse

FR13

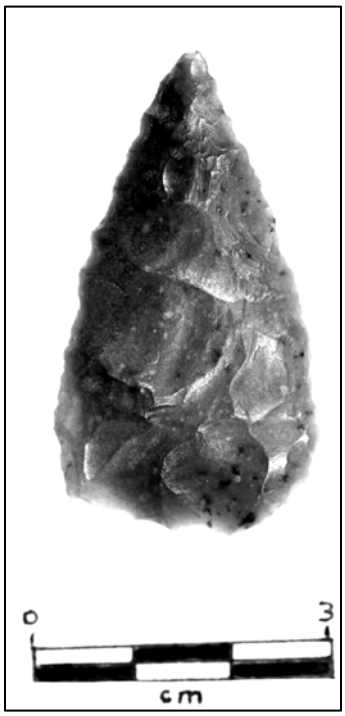
FR14



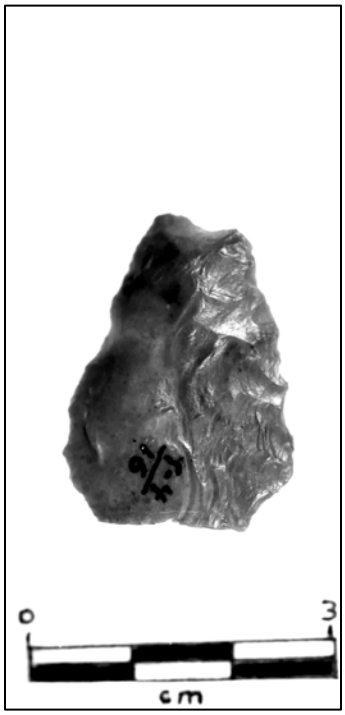
FR15

FR13 Reverse

FR14 Reverse

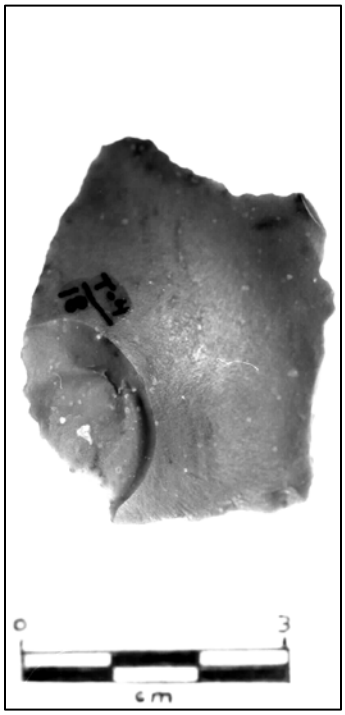


FR15 Reverse



FR16

FR17

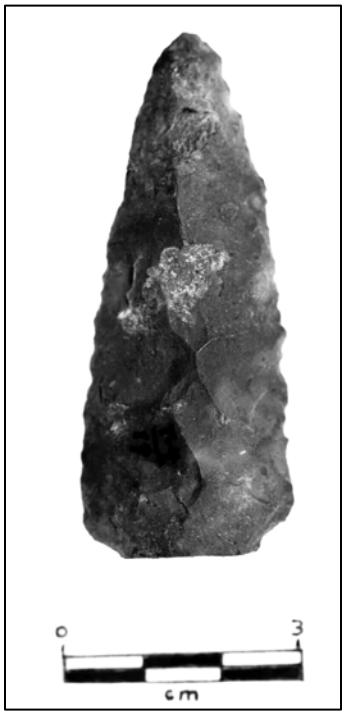


FR18

FR16 Reverse

FR17 Reverse

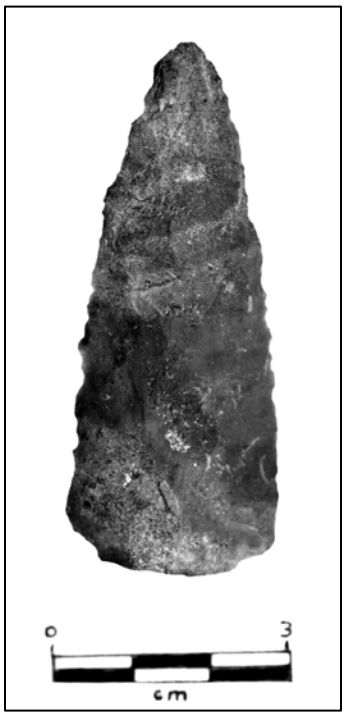
FR18 Reverse



FR19

FR20

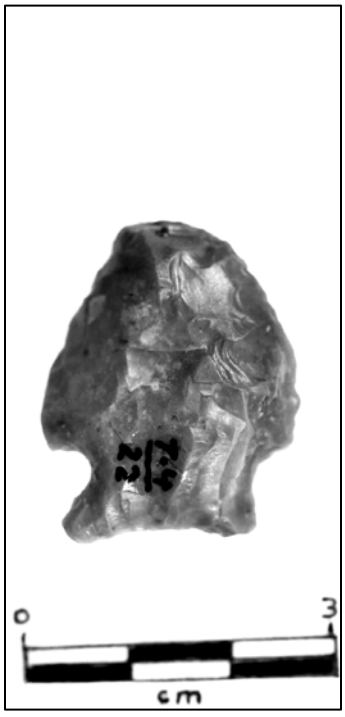
FR21



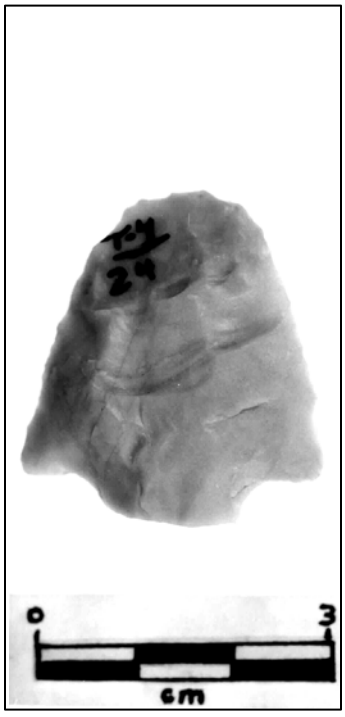
FR19 Reverse

FR20 Reverse

FR21 Reverse



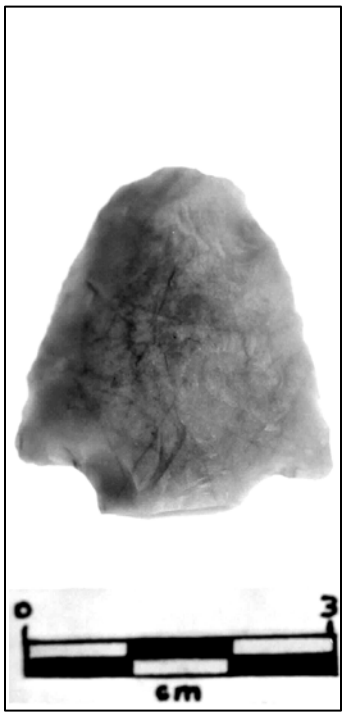
FR22



FR24

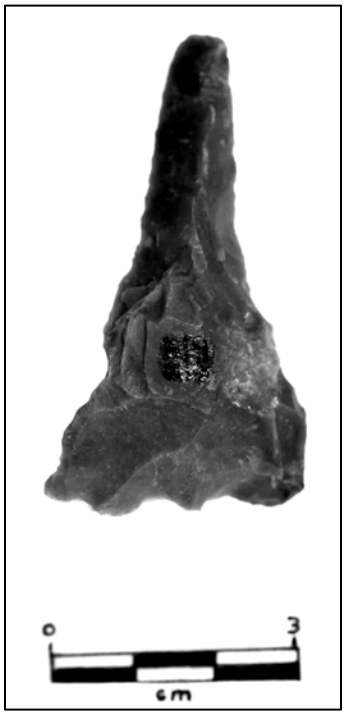
FR27

FR22 Reverse



FR24 Reverse

FR27 Reverse



FR28

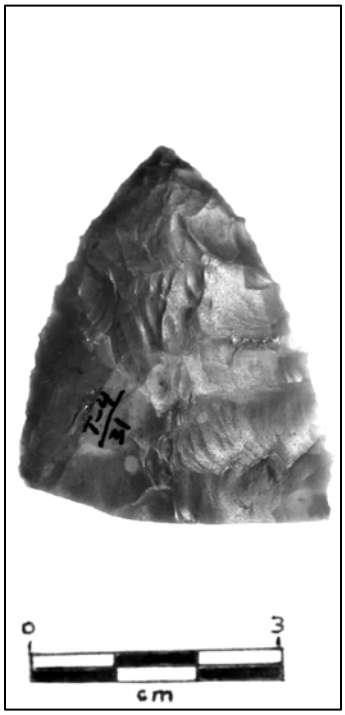
FR29

FR30

FR28 Reverse

FR29 Reverse

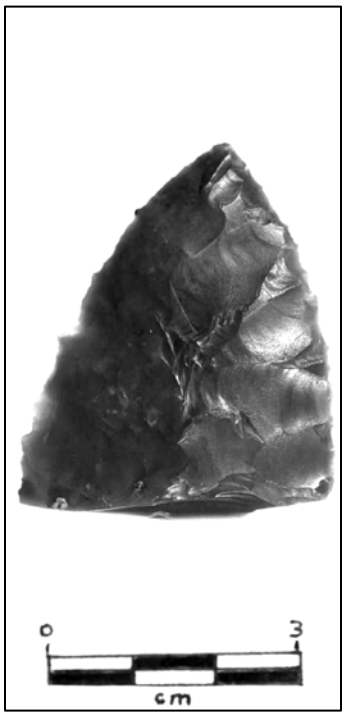
FR30 Reverse



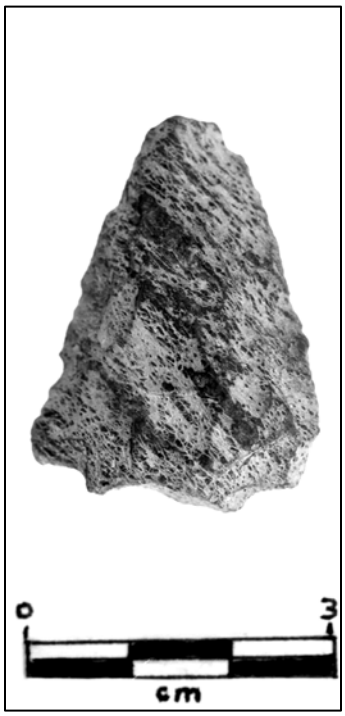
FR31

FR32

FR33



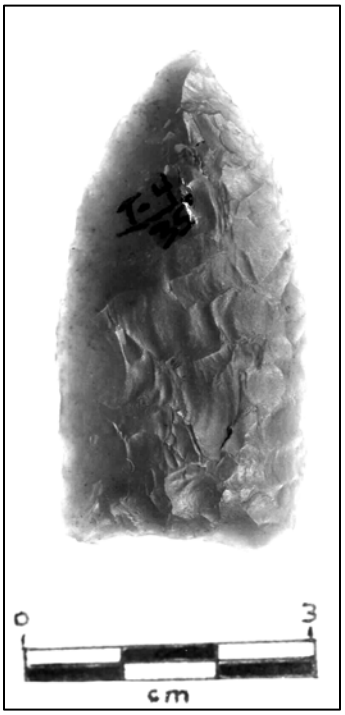
FR31 Reverse



FR32 Reverse

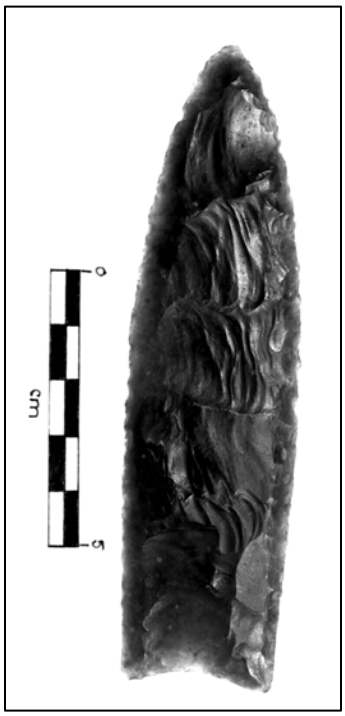
FR33 Reverse

FR34



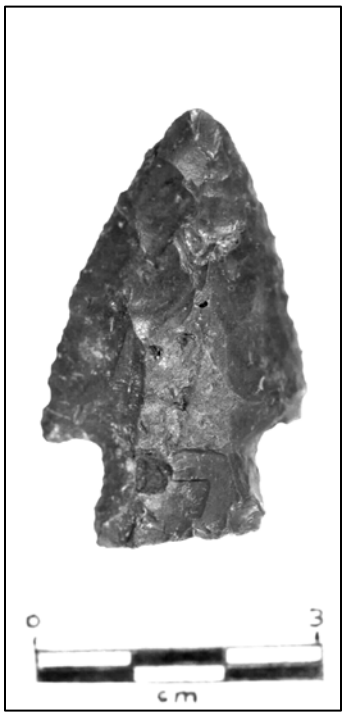
FR35

FR36



FR34 Reverse

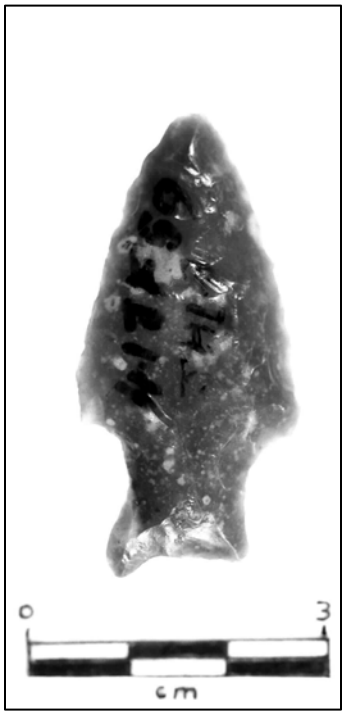
FR35 Reverse



FR36 Reverse

LV1

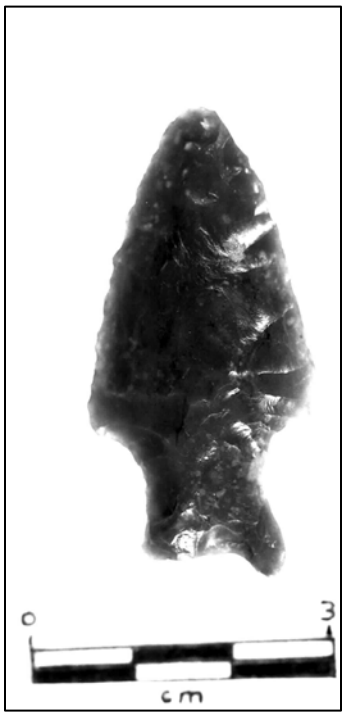
LV2



LV3

LV1 Reverse

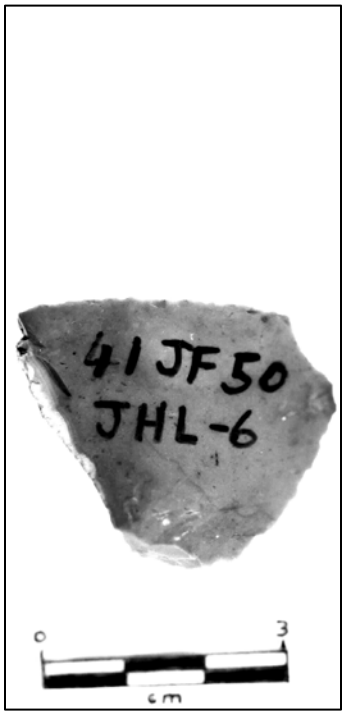
LV2 Reverse



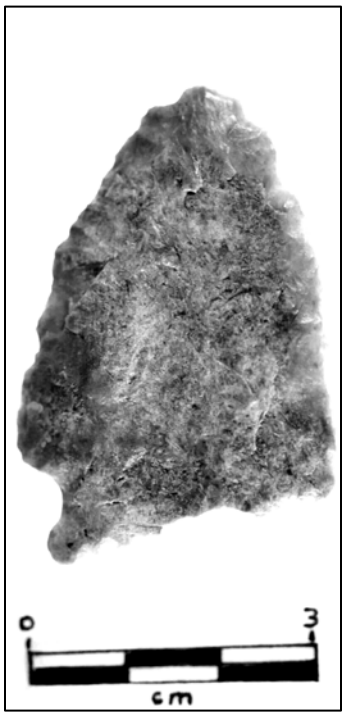
LV3 Reverse

LV4

LV5

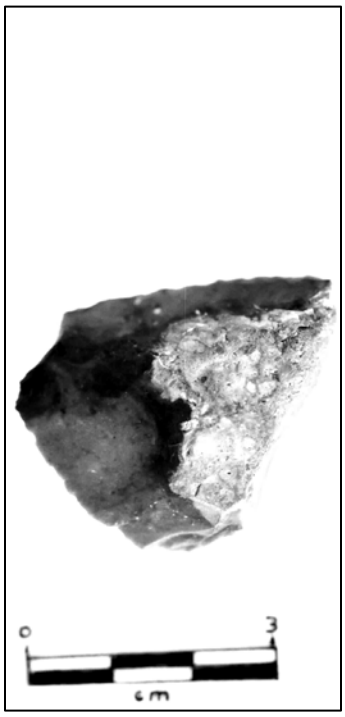


LV6



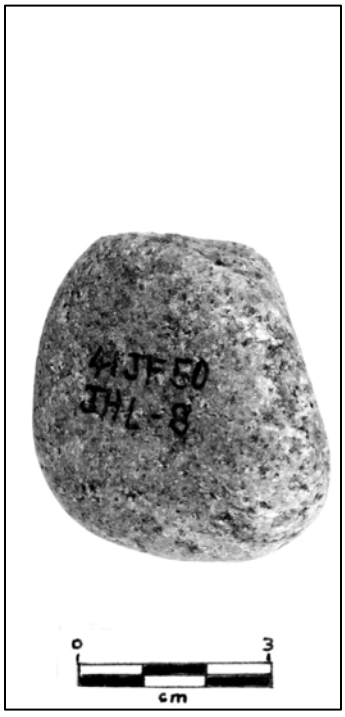
LV4 Reverse

LV5 Reverse

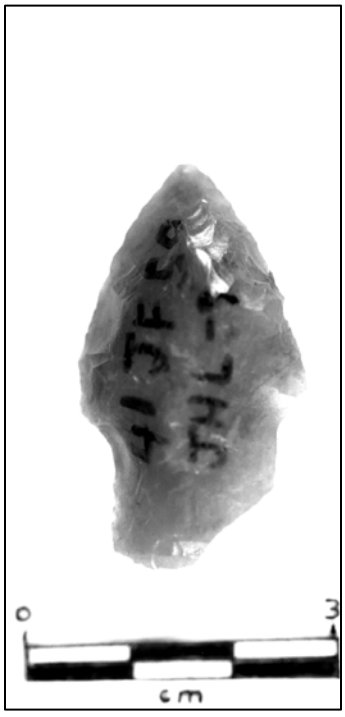


LV6 Reverse

LV7



LV8



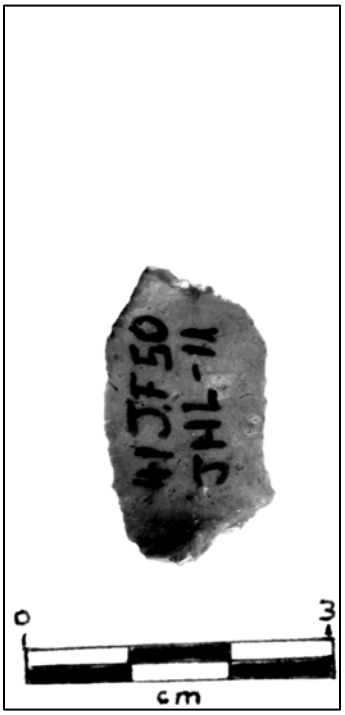
LV9

LV7 Reverse

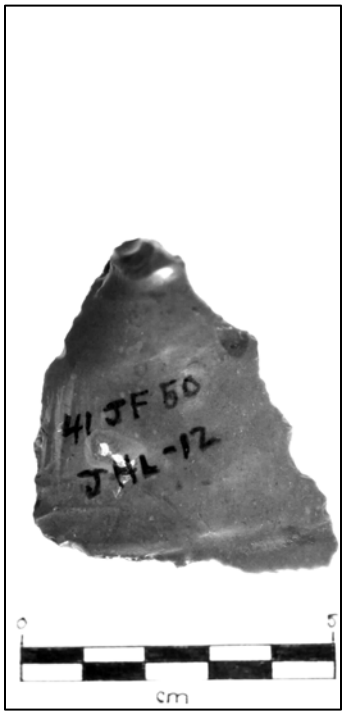
LV8 Reverse

LV9 Reverse

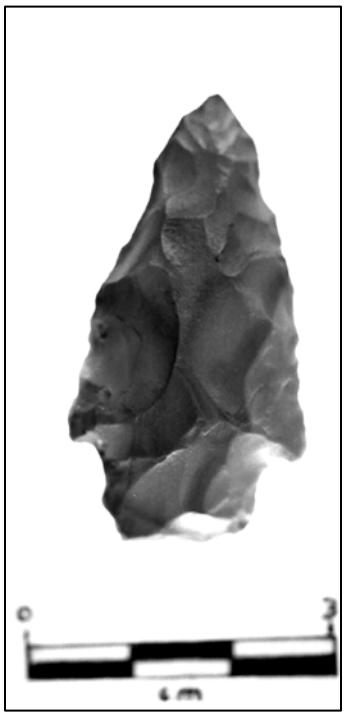
LV10



LV11



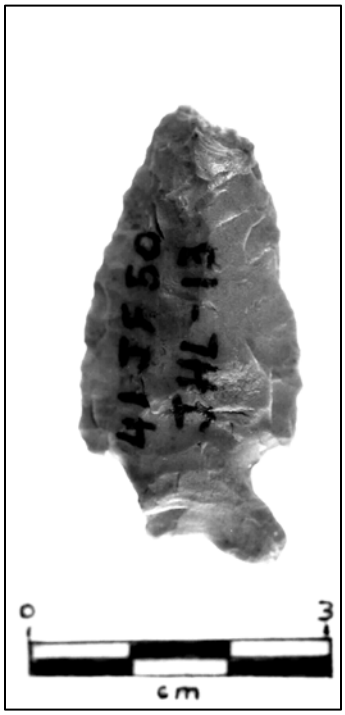
LV12



LV10 Reverse

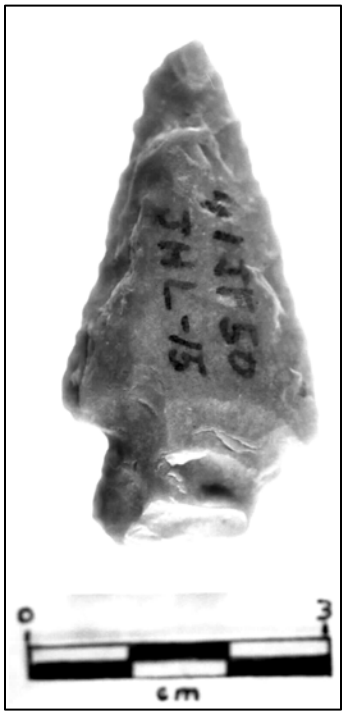
LV11 Reverse

LV12 Reverse

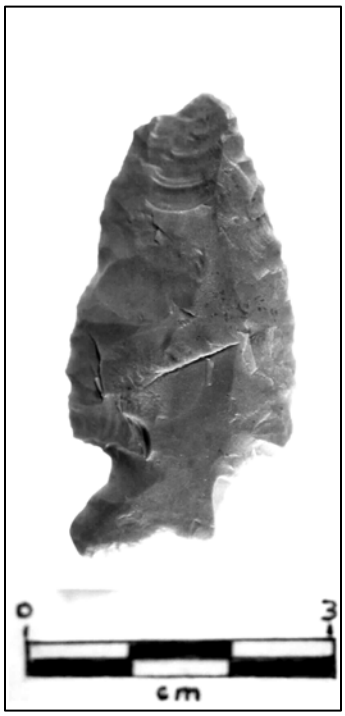


LV13

LV14



LV15

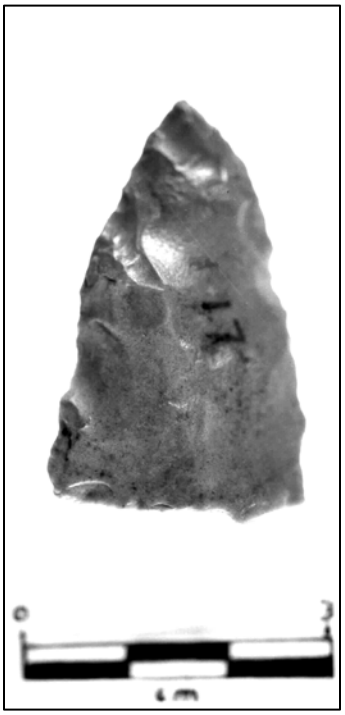


LV13 Reverse

LV14 Reverse

LV15 Reverse

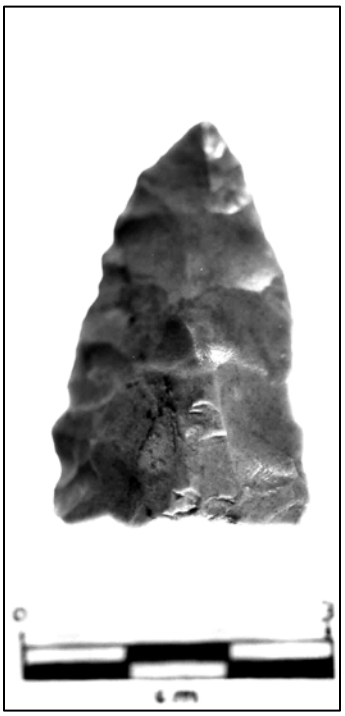
LV16



LV17

LV18

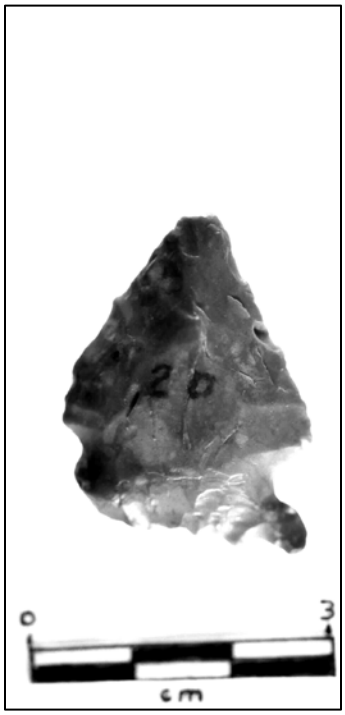
LV16 Reverse



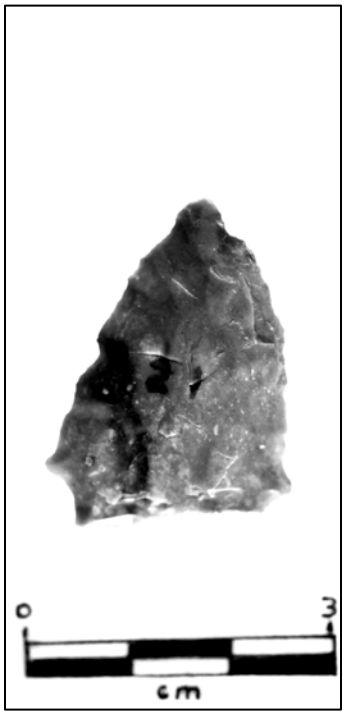
LV17 Reverse

LV18 Reverse

LV19

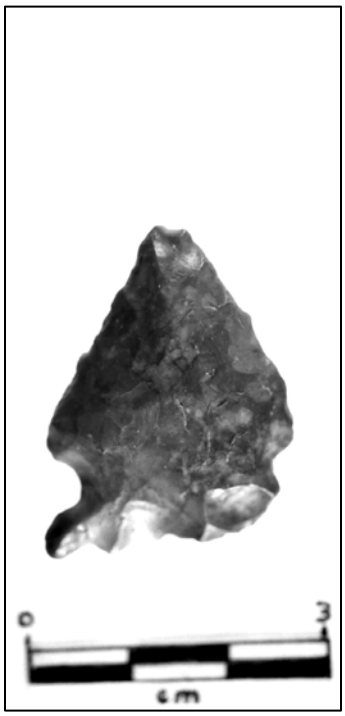


LV20

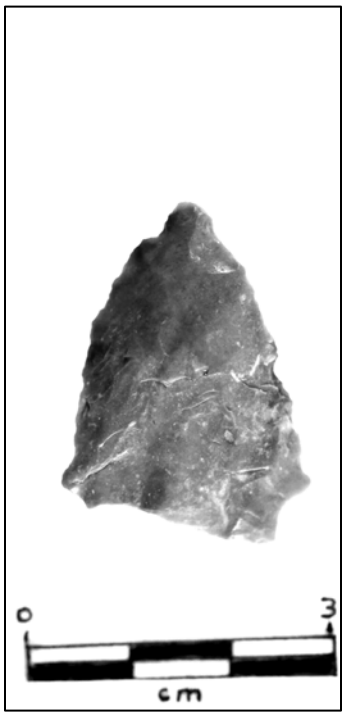


LV21

LV19 Reverse



LV20 Reverse

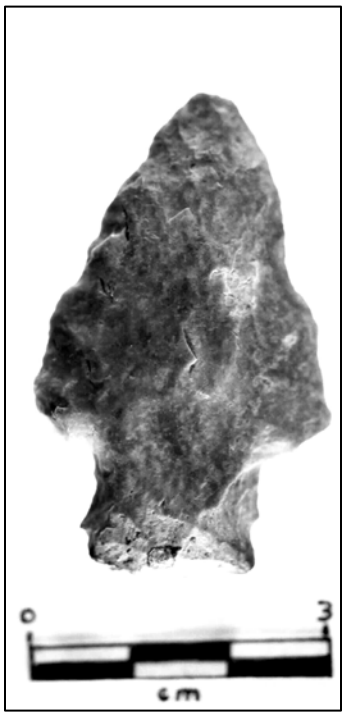


LV21 Reverse

LV22

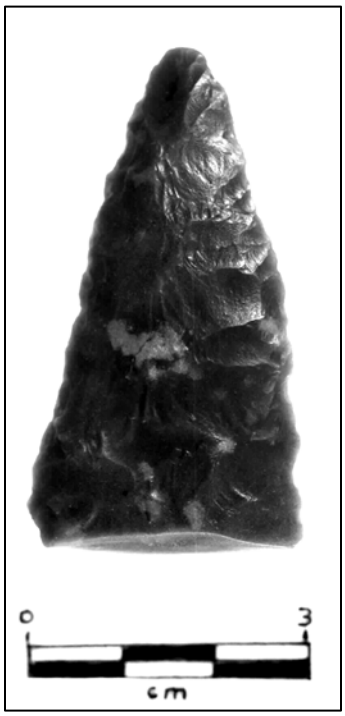
LV23

LV24



LV22 Reverse

LV23 Reverse



LV24 Reverse

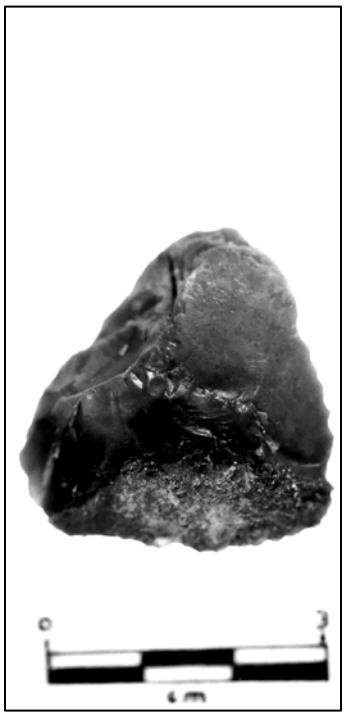
LV25

LV26

LV27

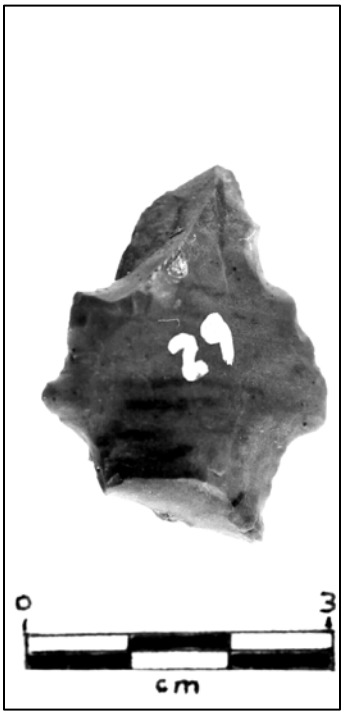
LV25 Reverse

LV26 Reverse

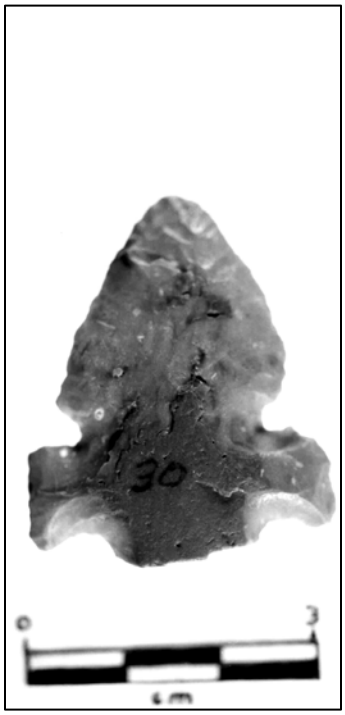


LV27 Reverse

LV28



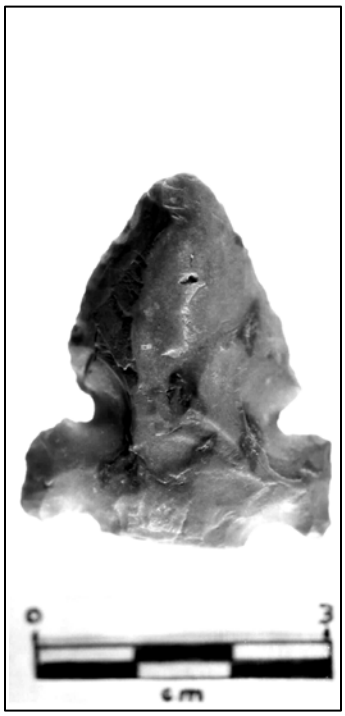
LV29



LV30

LV28 Reverse

LV29 Reverse



LV30 Reverse

LV31

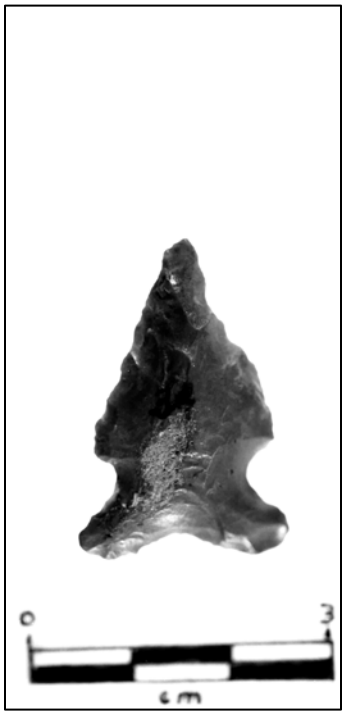
LV32

LV33

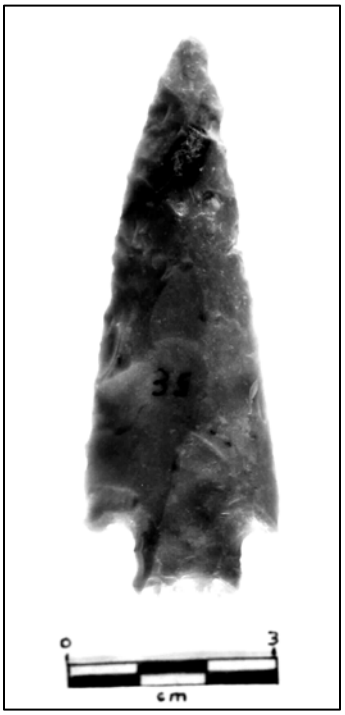
LV31 Reverse

LV32 Reverse

LV33 Reverse



LV34

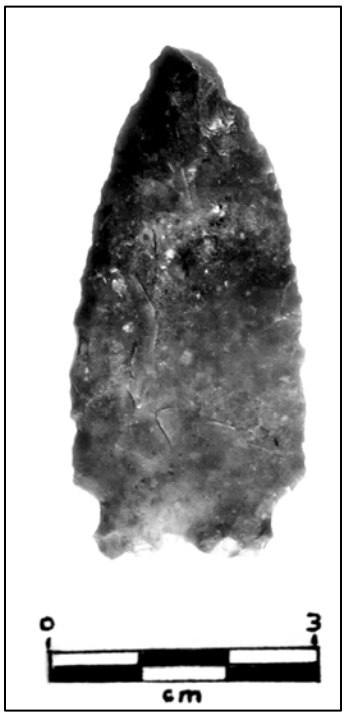


LV35

LV36

LV34 Reverse

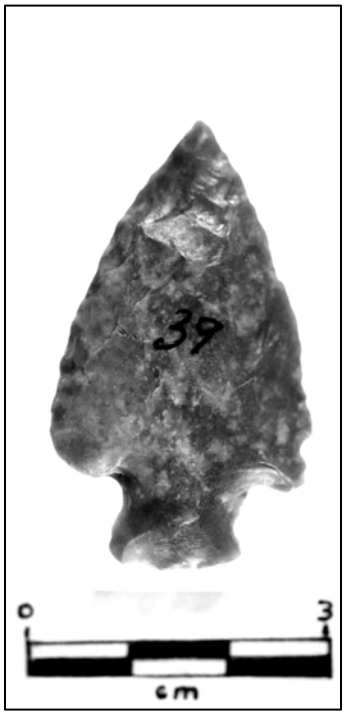
LV35 Reverse



LV36 Reverse

LV37

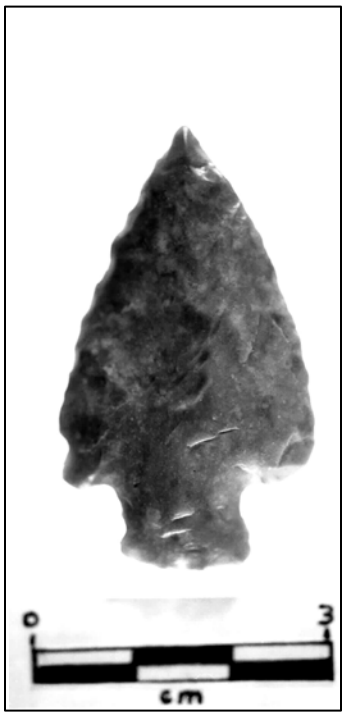
LV38



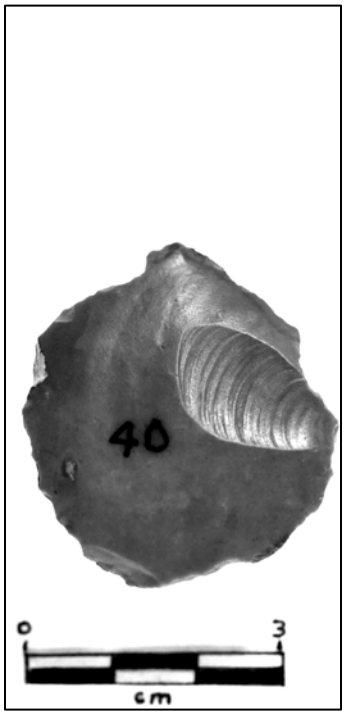
LV39

LV37 Reverse

LV38 Reverse



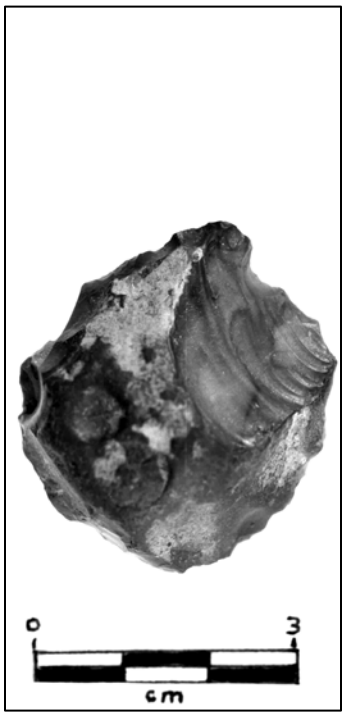
LV39 Reverse



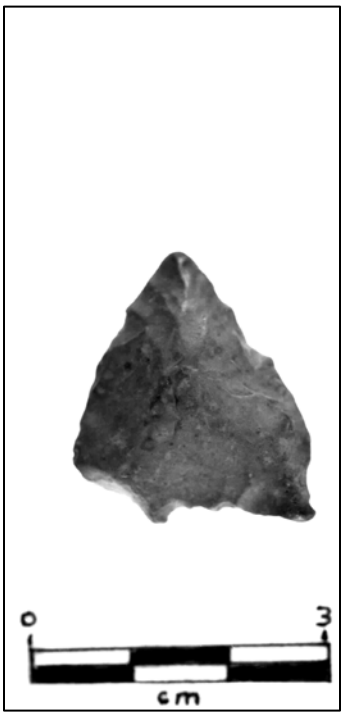
LV40

LV41

LV42



LV40 Reverse



LV41 Reverse

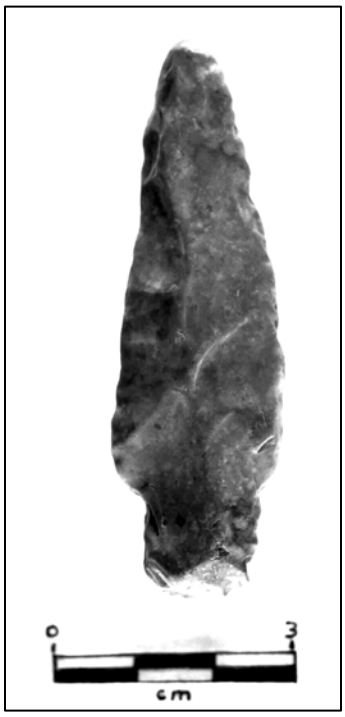
LV42 Reverse

LV43

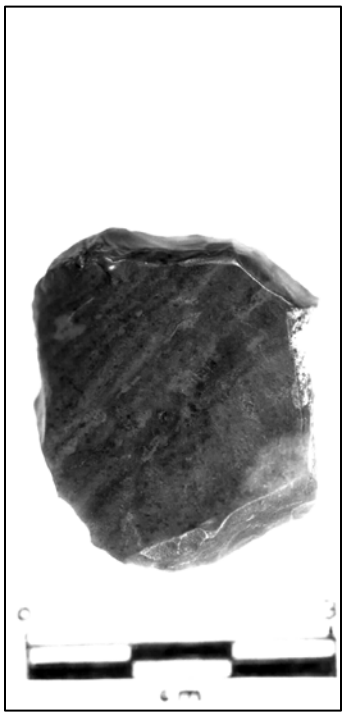
LV44

LV45

LV43 Reverse



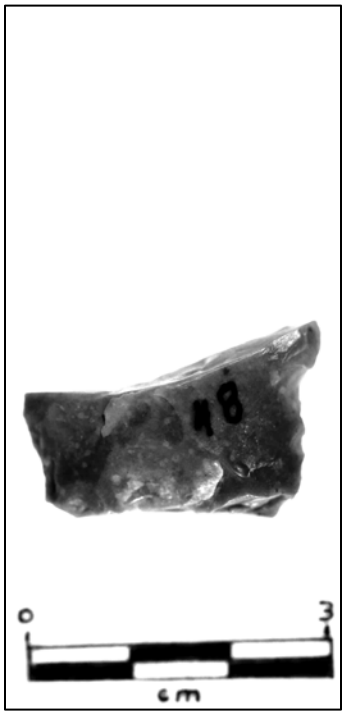
LV44 Reverse



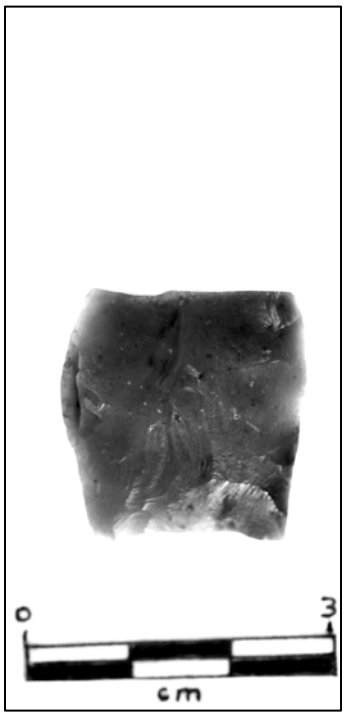
LV45 Reverse

LV46

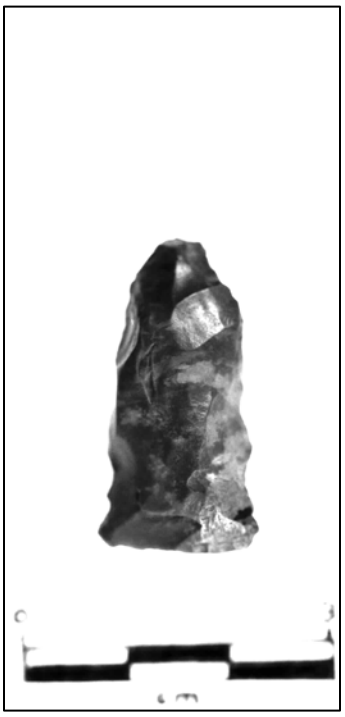
LV47



LV48

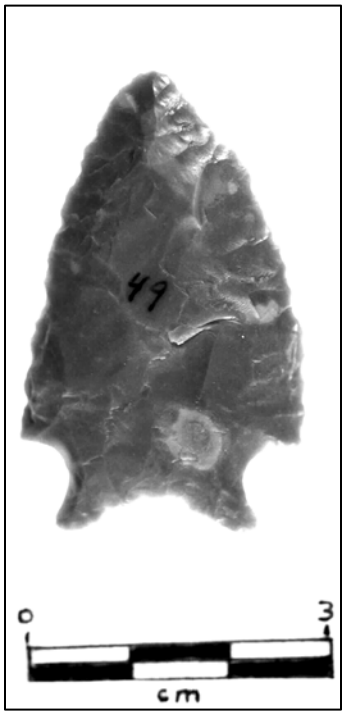


LV46 Reverse



LV47 Reverse

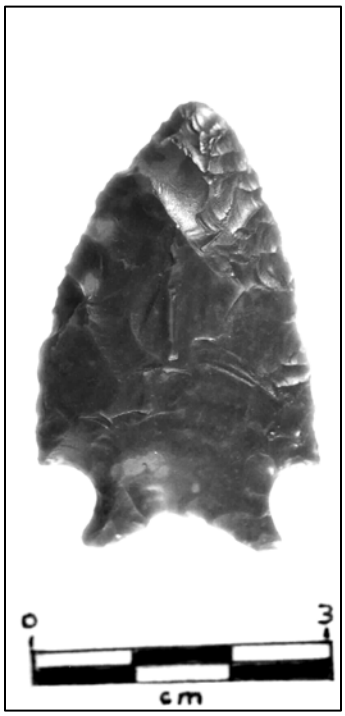
LV48 Reverse



LV49

LV50

LV51



LV49 Reverse

LV50 Reverse

LV51 Reverse

LV52

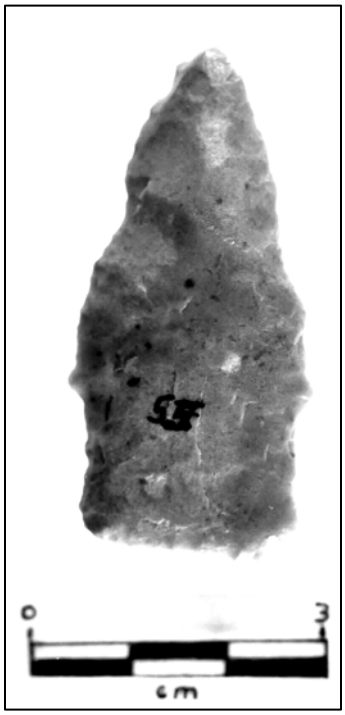
LV53

LV54

LV52 Reverse

LV53 Reverse

LV54 Reverse



LV55

LV56

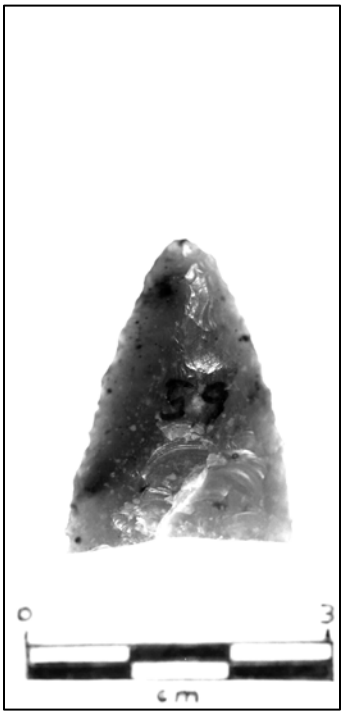
LV57

LV55 Reverse

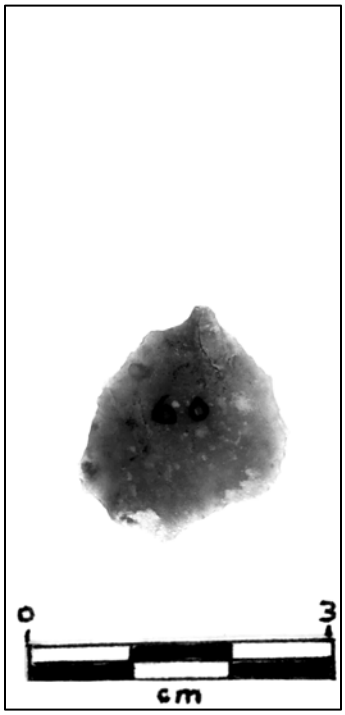
LV56 Reverse

LV57 Reverse

LV58

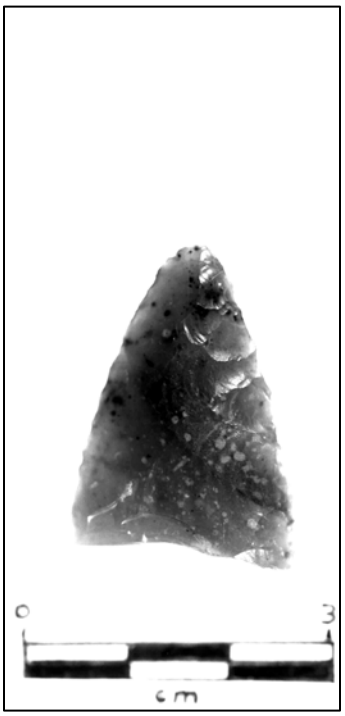


LV59

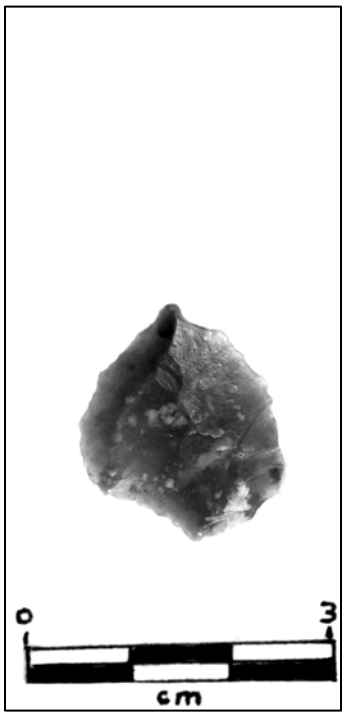


LV60

LV58 Reverse



LV59 Reverse



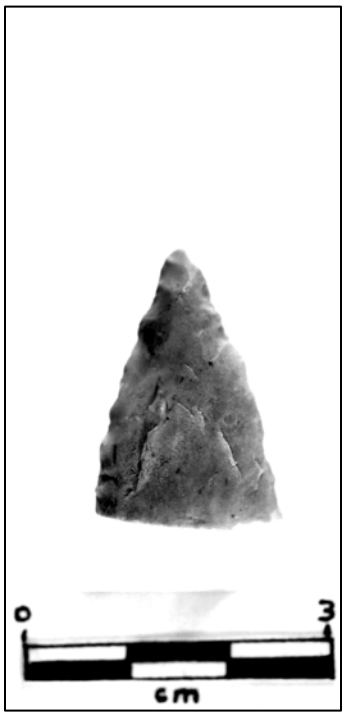
LV60 Reverse

LV61

LV62

LV63

LV61 Reverse



LV62 Reverse

LV63 Reverse

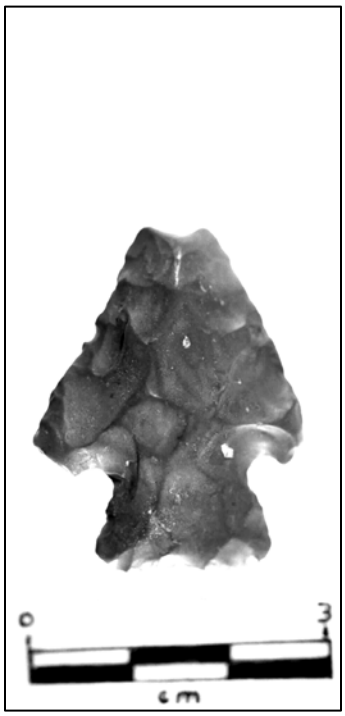
LV64

LV65

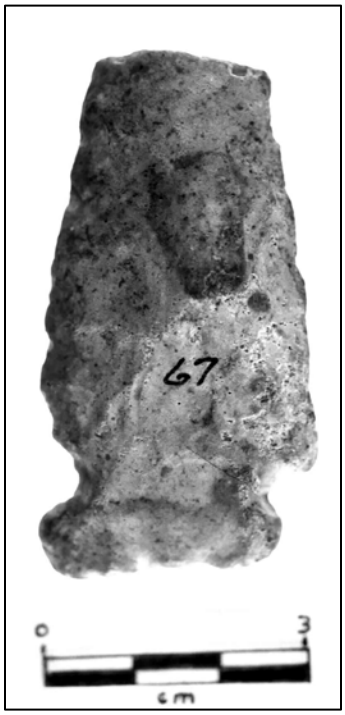
LV66

LV64 Reverse

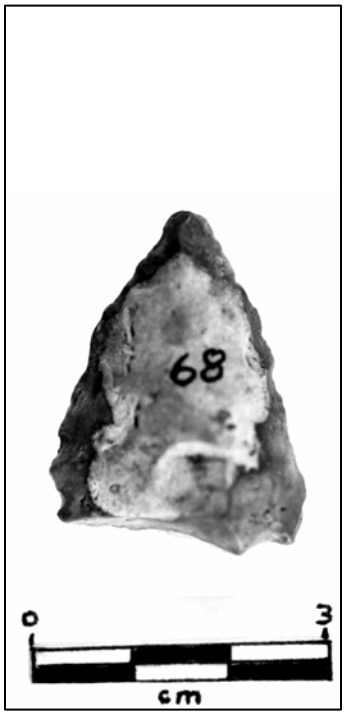
LV65 Reverse



LV66 Reverse

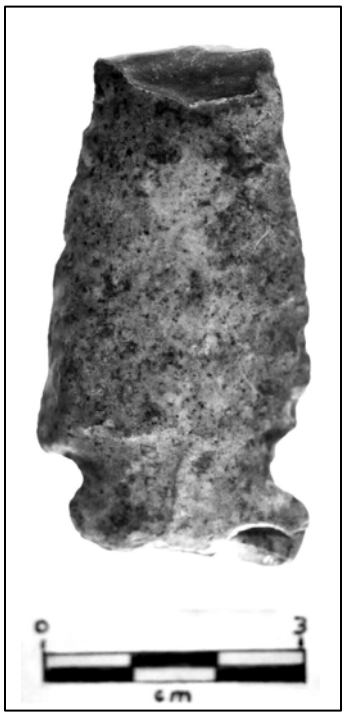


LV67



LV68

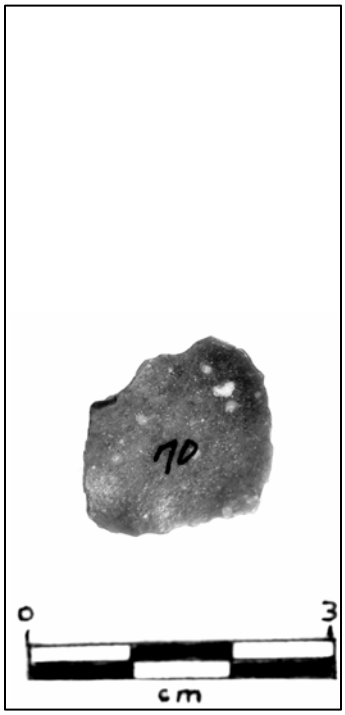
LV69



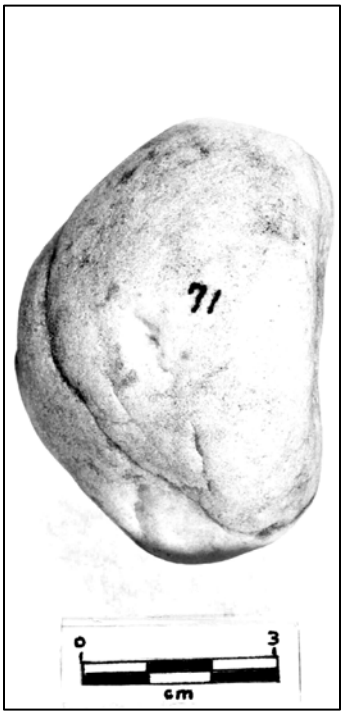
LV67 Reverse

LV68 Reverse

LV69 Reverse



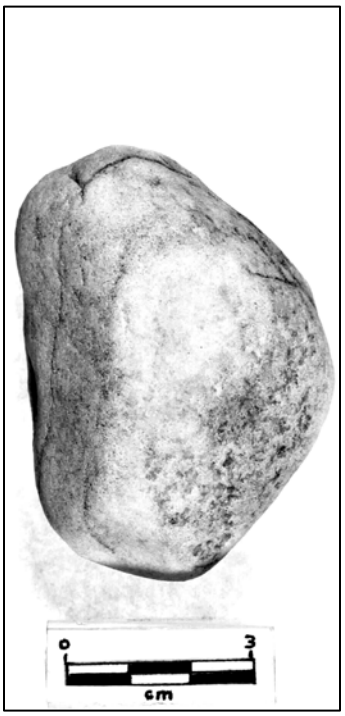
LV70



LV71

LV72

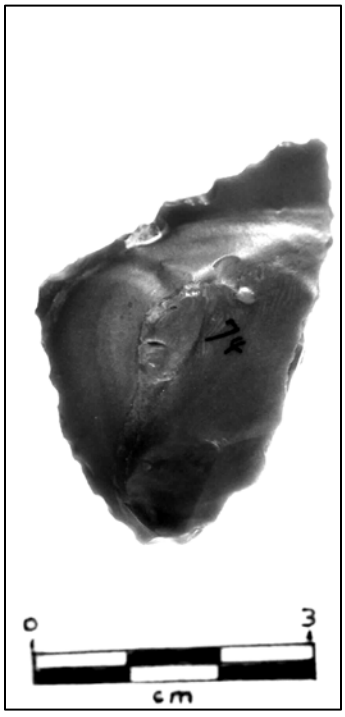
LV70 Reverse



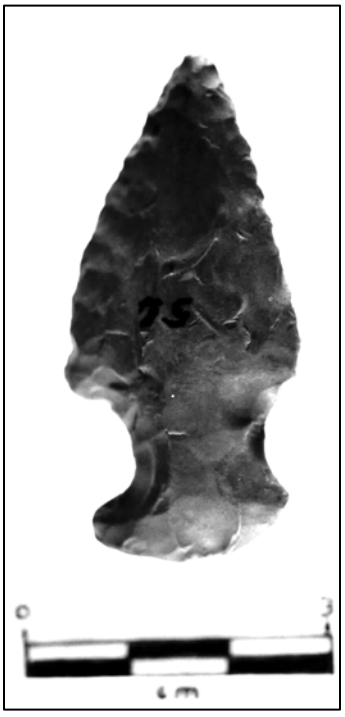
LV71 Reverse

LV72 Reverse

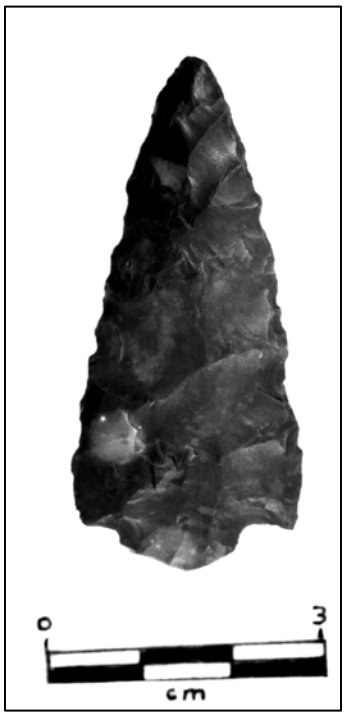
LV73



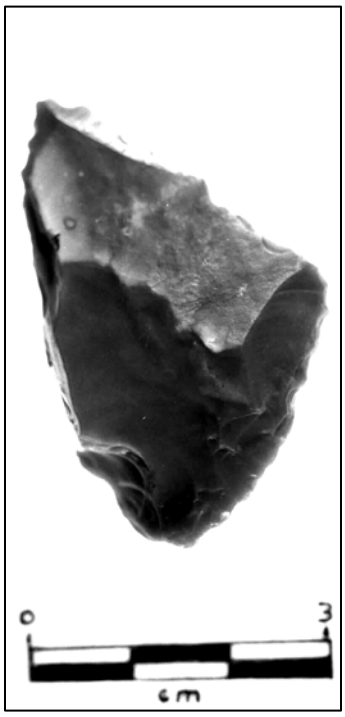
LV74



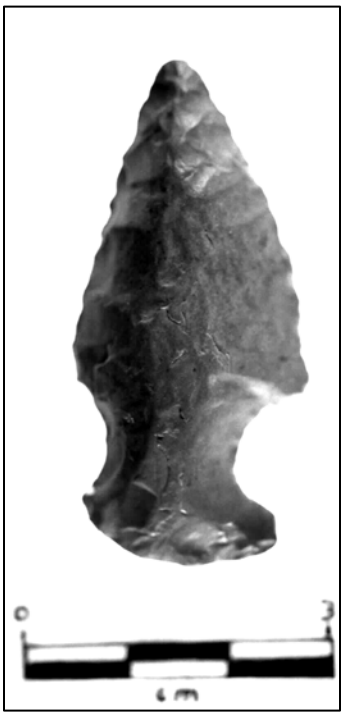
LV75



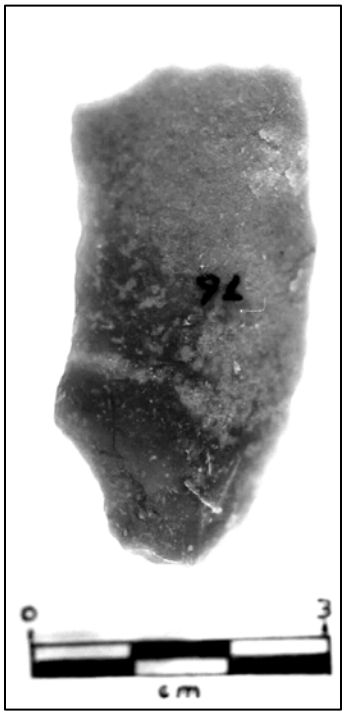
LV73 Reverse



LV74 Reverse



LV75 Reverse



LV76

LV77

LV78

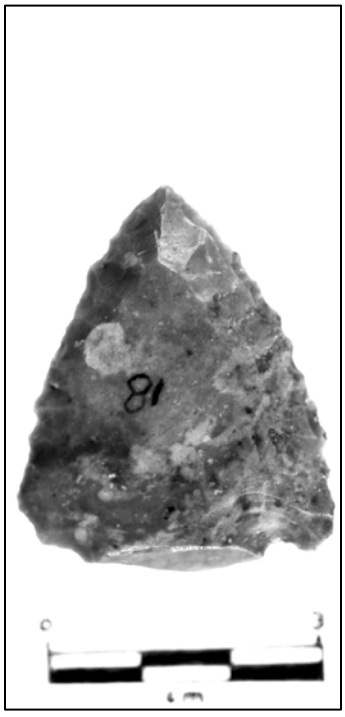
LV76 Reverse

LV77 Reverse

LV78 Reverse

LV79

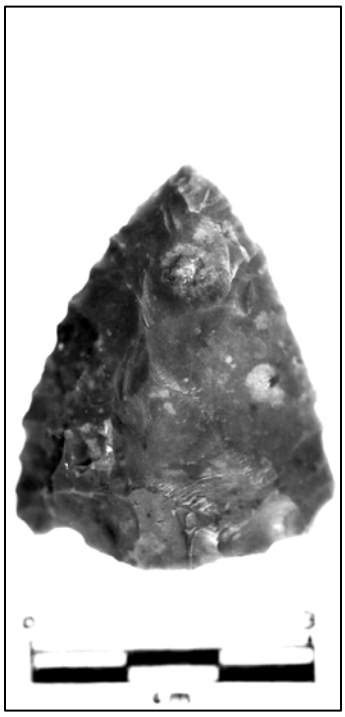
LV80



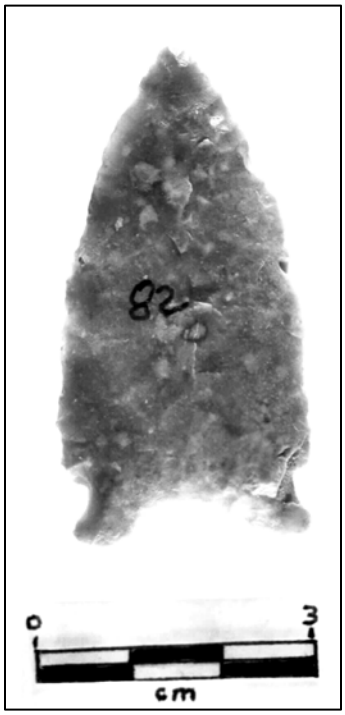
LV81

LV79 Reverse

LV80 Reverse



LV81 Reverse

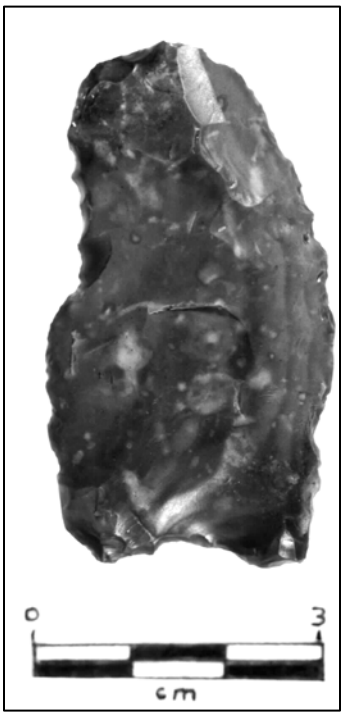


LV82

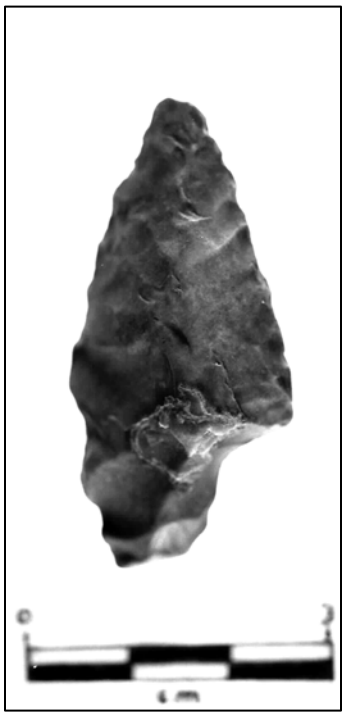
LV83

LV84

LV82 Reverse

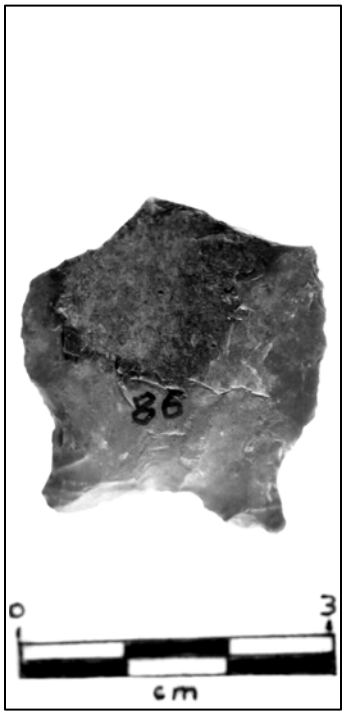


LV83 Reverse

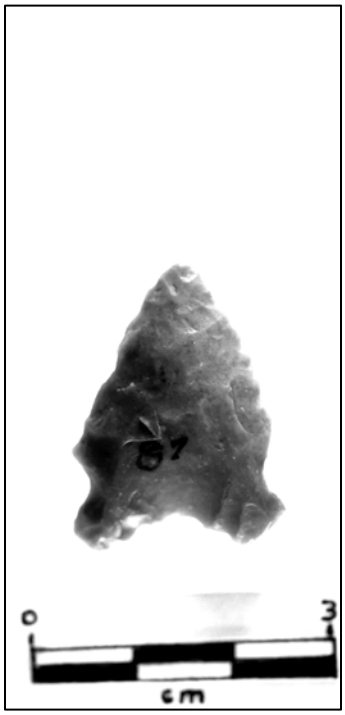


LV84 Reverse

LV85



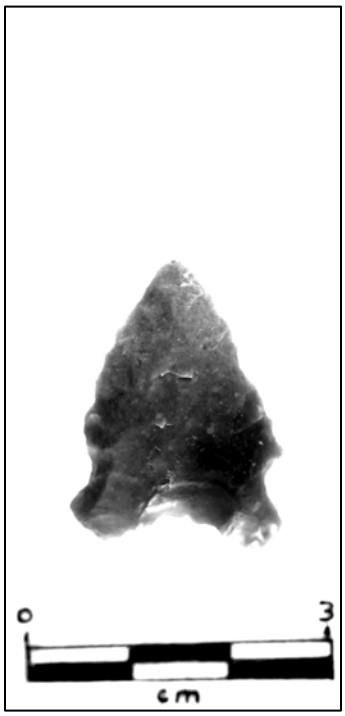
LV86



LV87

LV85 Reverse

LV86 Reverse



LV87 Reverse

LV88

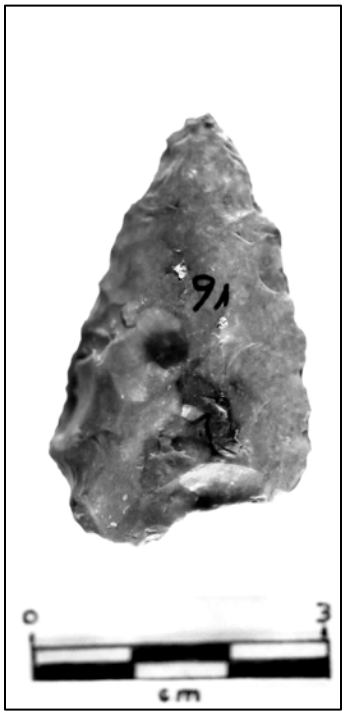
LV89

LV90

LV88 Reverse

LV89 Reverse

LV90 Reverse



LV91

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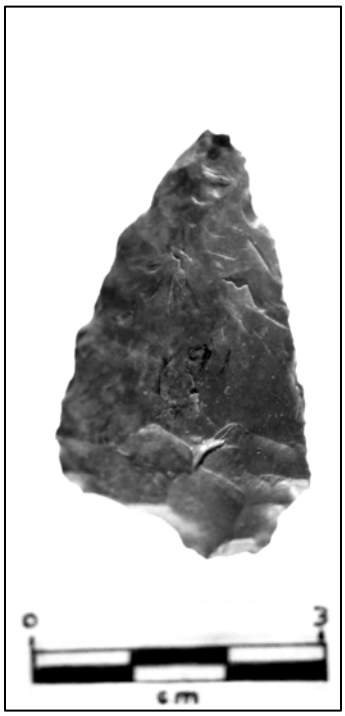
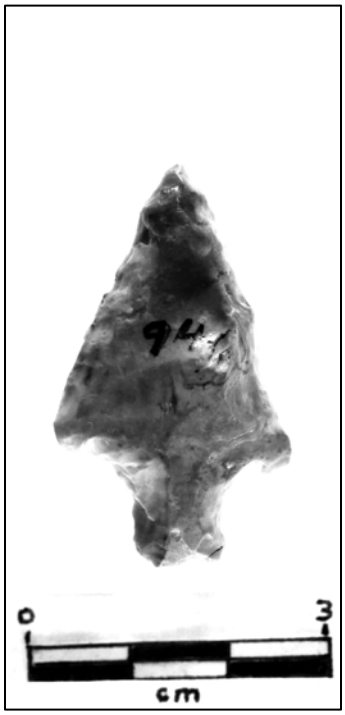
LV93



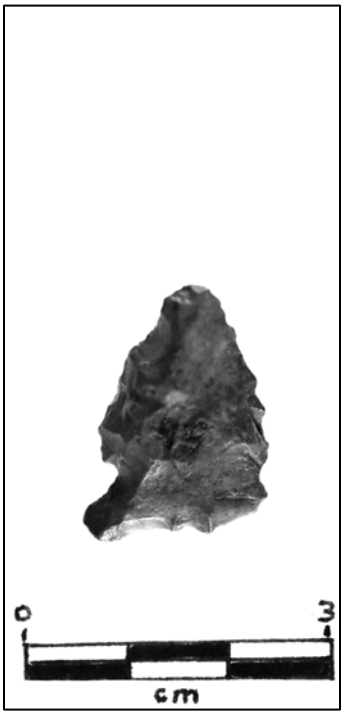
LV91 Reverse

LV92 Reverse

LV93 Reverse

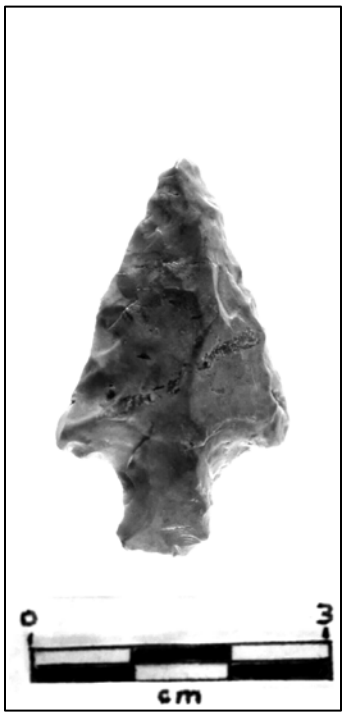


LV94



LV95

LV96



LV94 Reverse

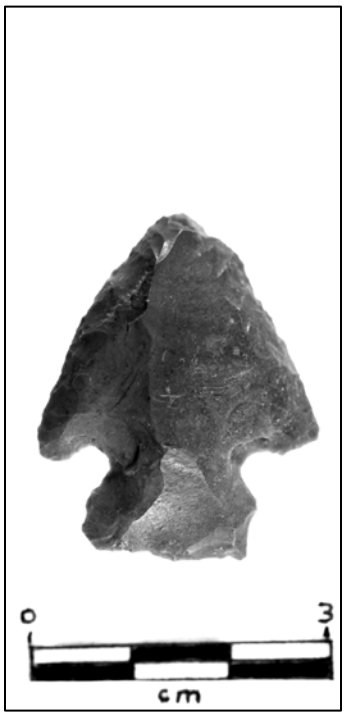
LV95 Reverse

LV96 Reverse

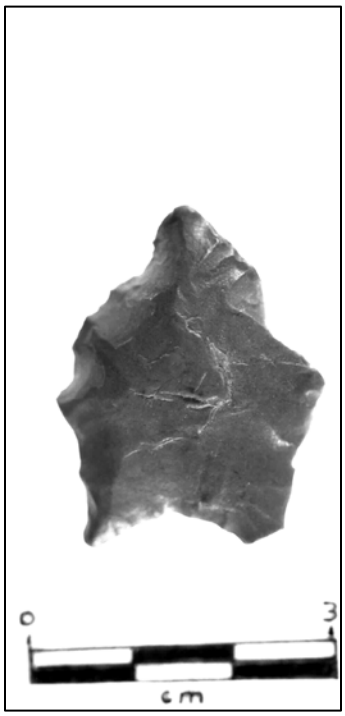
LV97

LV98

LV99



LV97 Reverse



LV98 Reverse

LV99 Reverse

LV100

LV101

LV102

LV100 Reverse

LV101 Reverse

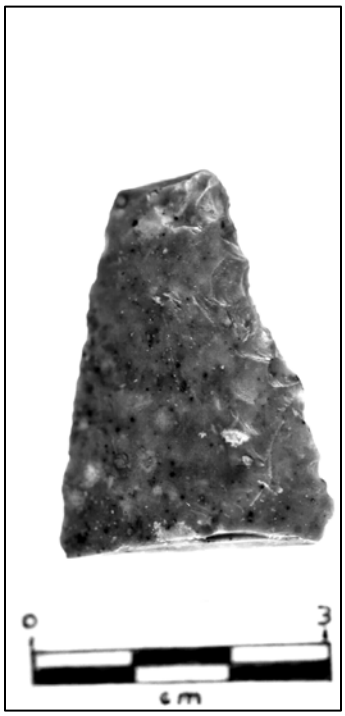
LV102 Reverse

LV103

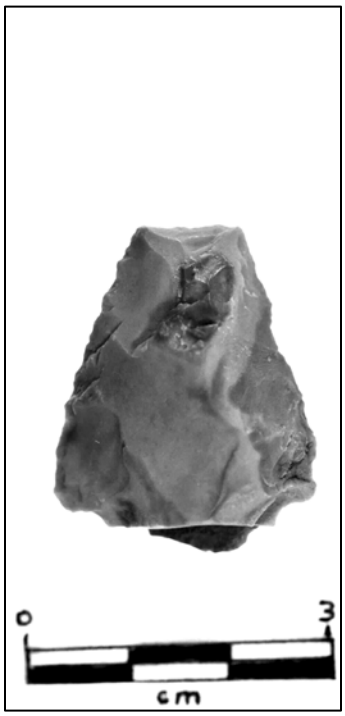
LV104

LV105

LV103 Reverse



LV104 Reverse



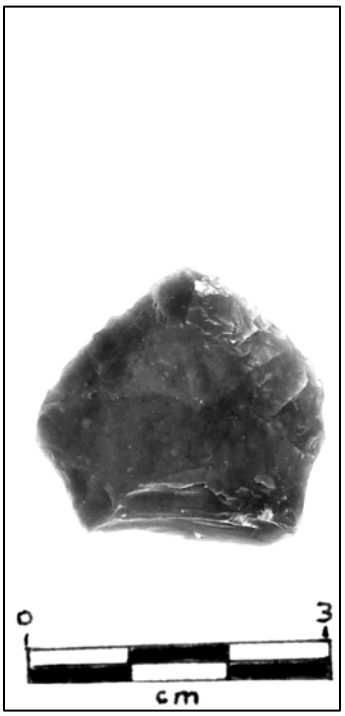
LV105 Reverse

LV106

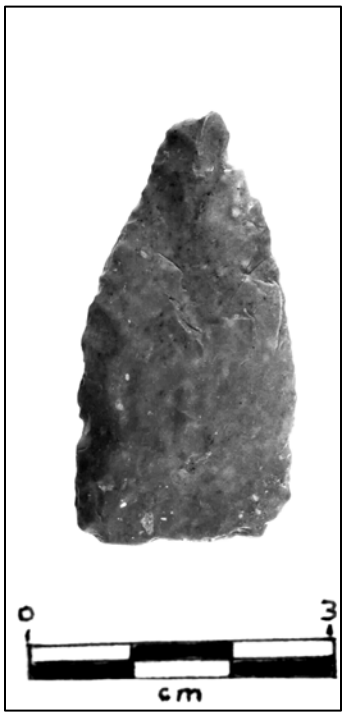
LV107

LV108

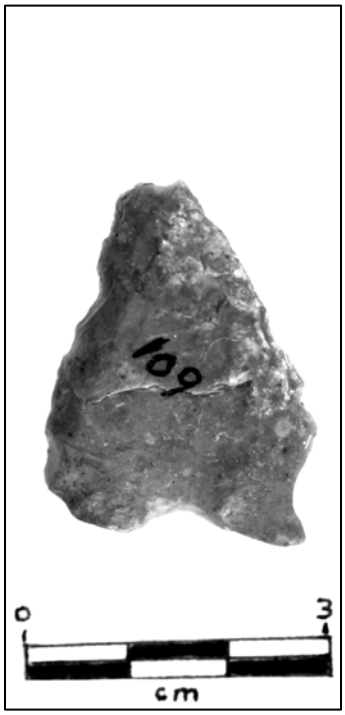
LV106 Reverse



LV107 Reverse

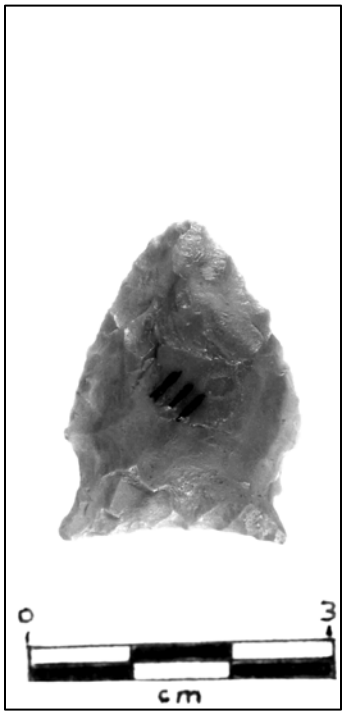


LV108 Reverse

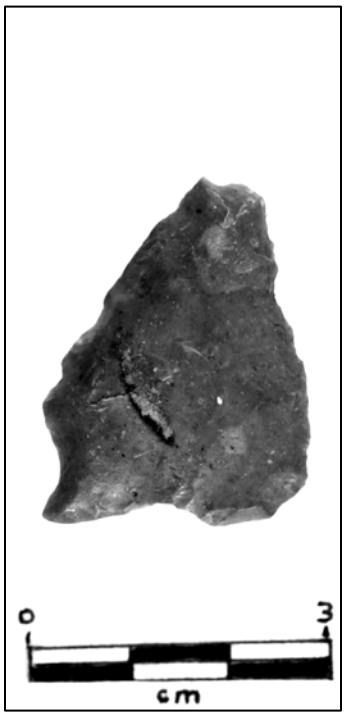


LV109

LV110

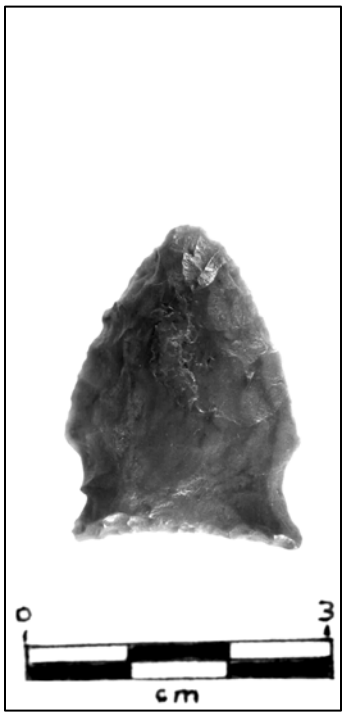


LV111



LV109 Reverse

LV110 Reverse



LV111 Reverse

LV112

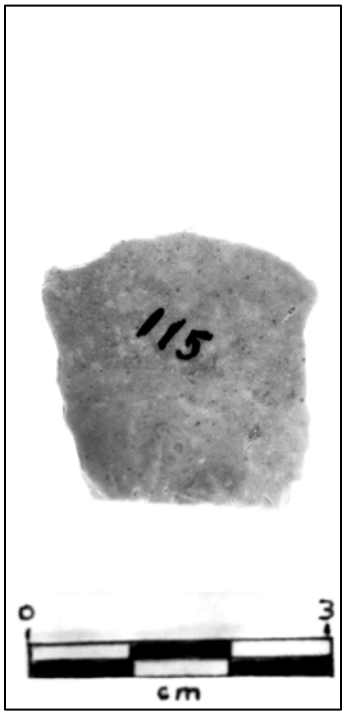
LV113

LV114

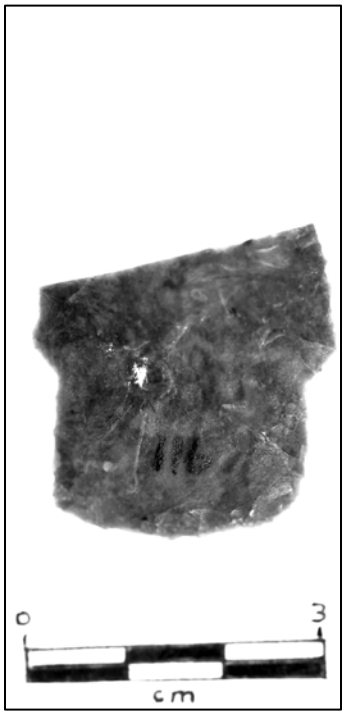
LV112 Reverse

LV113 Reverse

LV114 Reverse



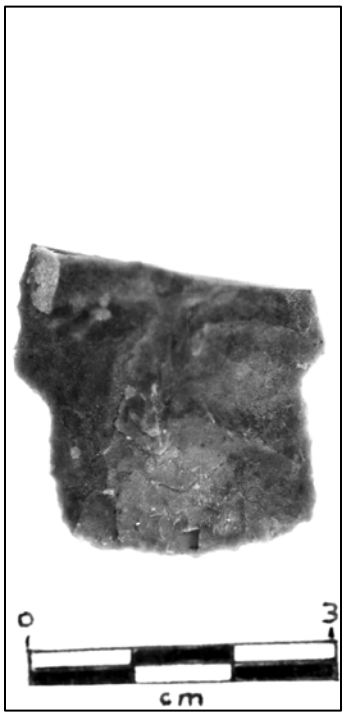
LV115



LV116

LV117

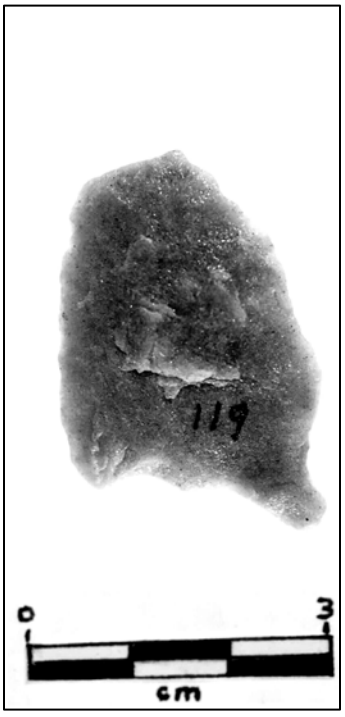
LV115 Reverse



LV116 Reverse

LV117 Reverse

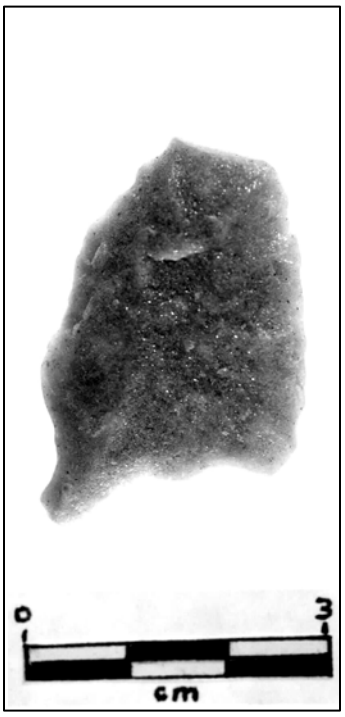
LV118



LV119

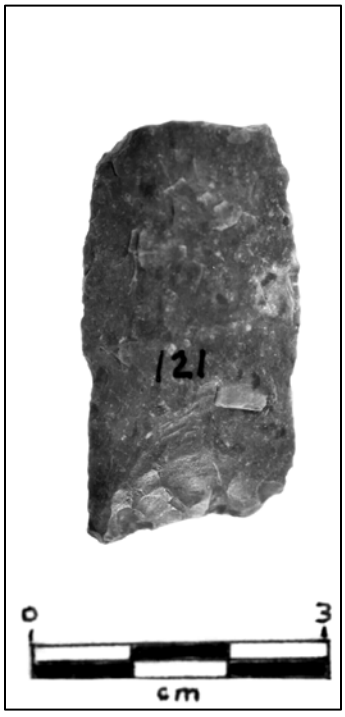
LV120

LV118 Reverse



LV119 Reverse

LV120 Reverse



LV121

LV122

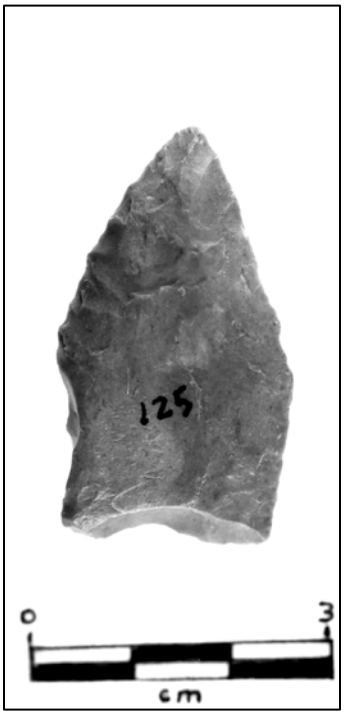
LV123

LV121 Reverse

LV122 Reverse

LV123 Reverse

LV124

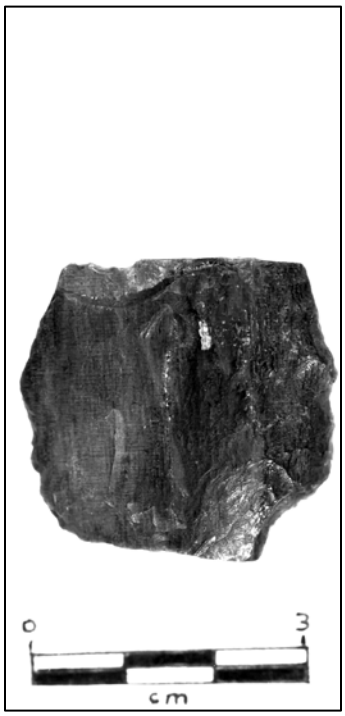


LV125

LV126

LV124 Reverse

LV125 Reverse



LV126 Reverse

LV127

LV128

LV129

LV127 Reverse

LV128 Reverse

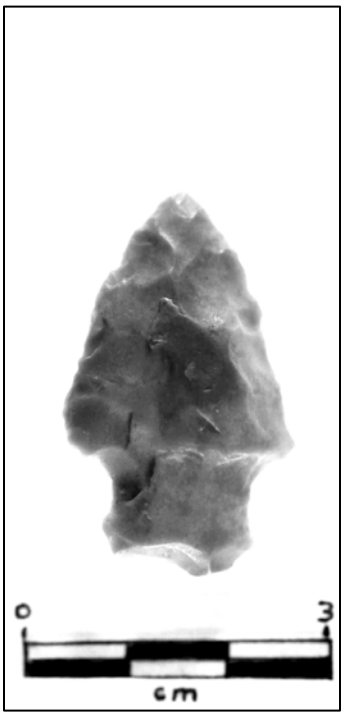
LV129 Reverse

LV130

LV131

LV132

LV130 Reverse



LV131 Reverse

LV132 Reverse

LV133

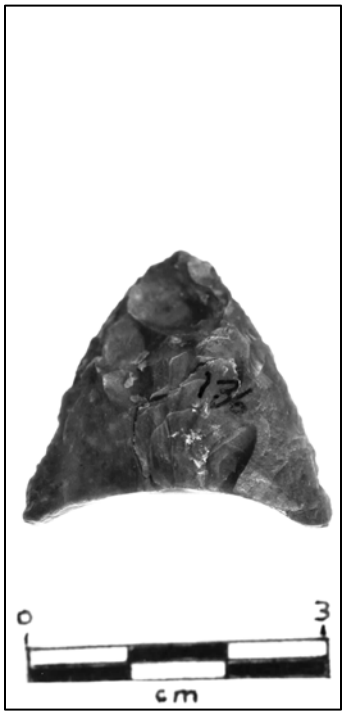
LV134

LV135

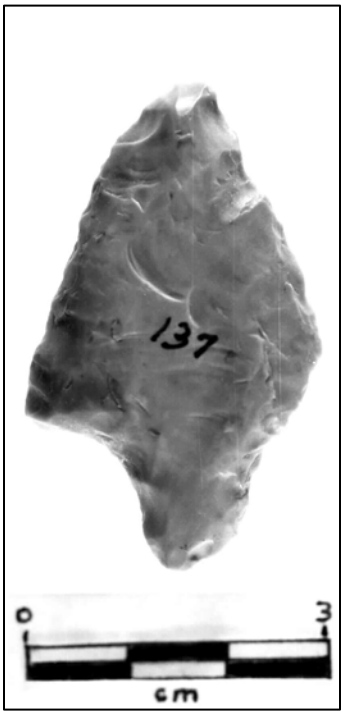
LV133 Reverse

LV134 Reverse

LV135 Reverse



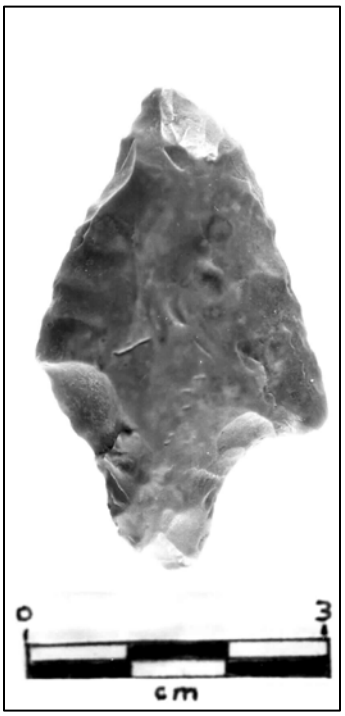
LV136



LV137

LV138

LV136 Reverse



LV137 Reverse

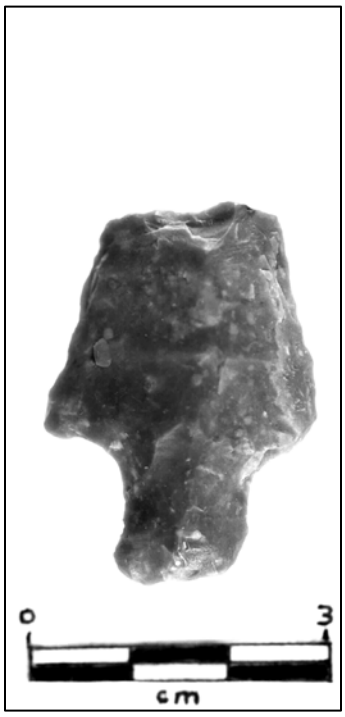
LV138 Reverse

LV139

LV140

LV141

LV139 Reverse

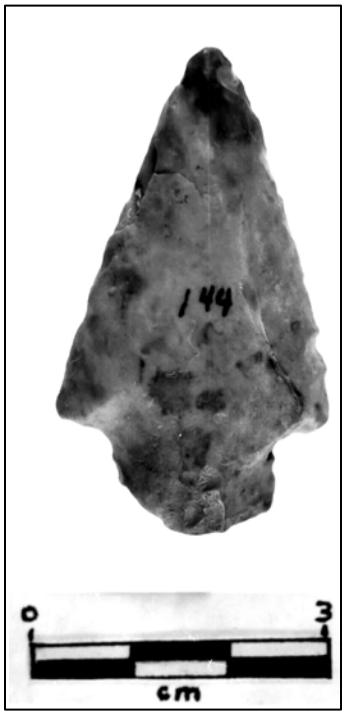


LV140 Reverse

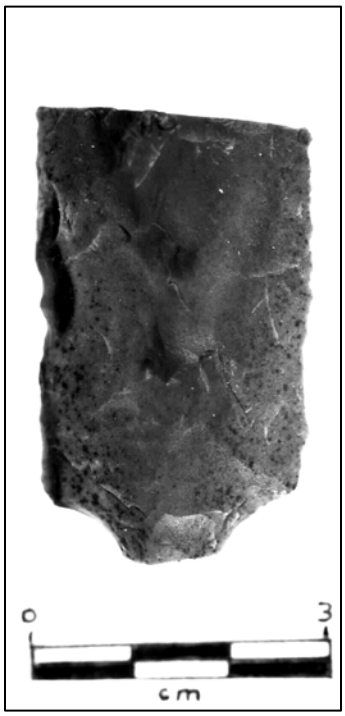
LV141 Reverse

LV142

LV143

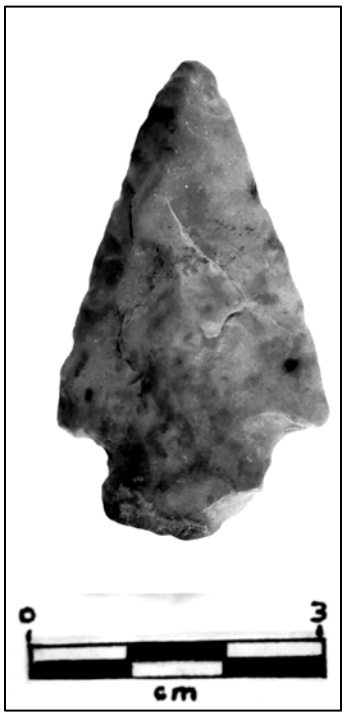


LV144



LV142 Reverse

LV143 Reverse



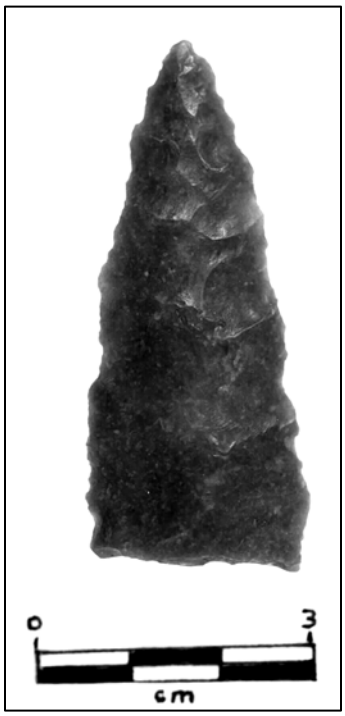
LV144 Reverse

LV145

LV146

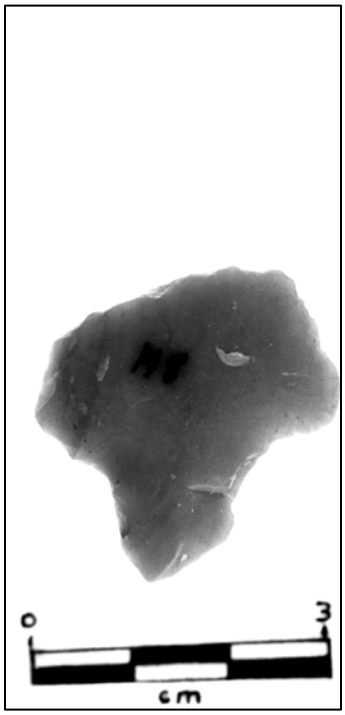
LV147

LV145 Reverse



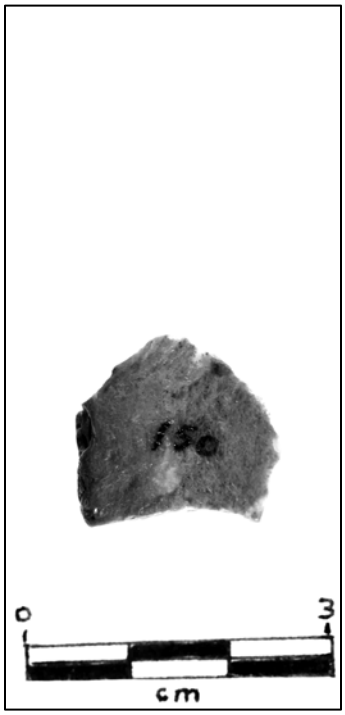
LV146 Reverse

LV147 Reverse

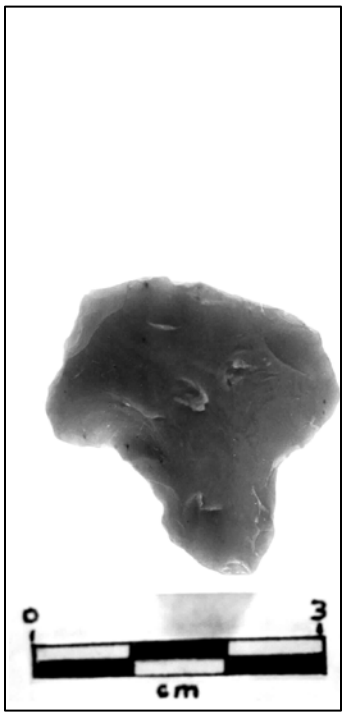


LV148

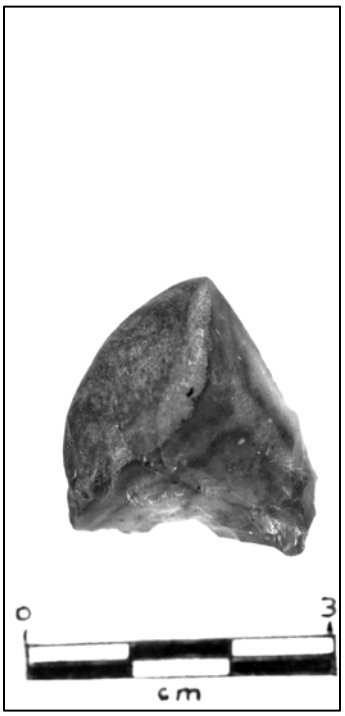
LV149



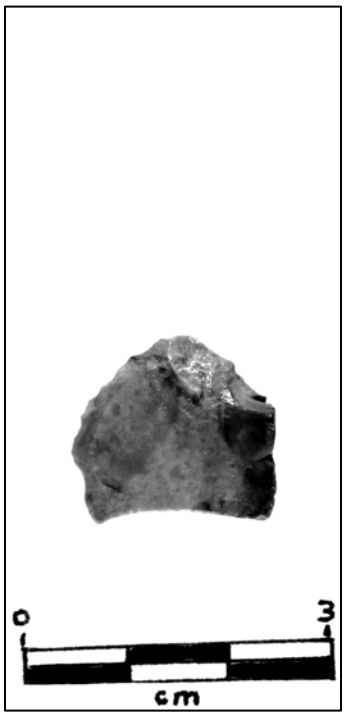
LV150



LV148 Reverse



LV149 Reverse



LV150 Reverse

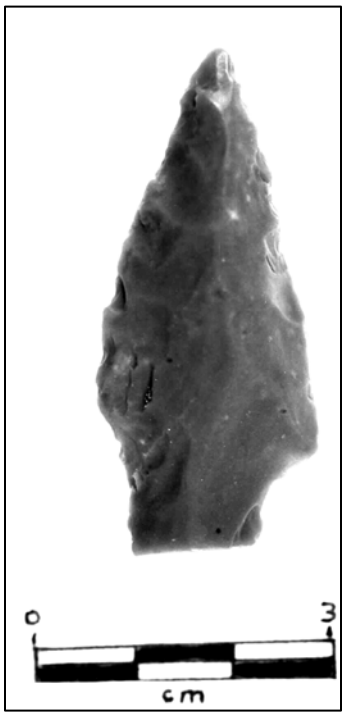
LV151

LV152

LV153

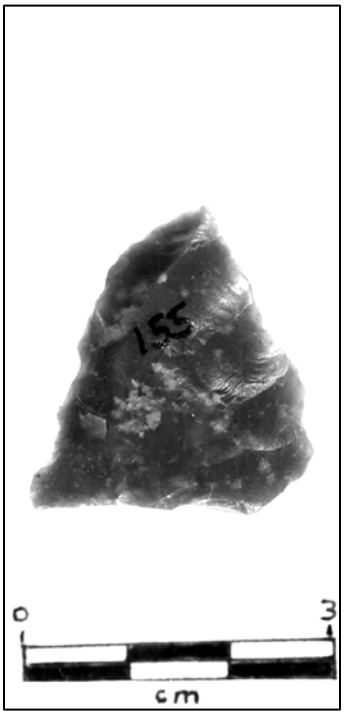
LV151 Reverse

LV152 Reverse

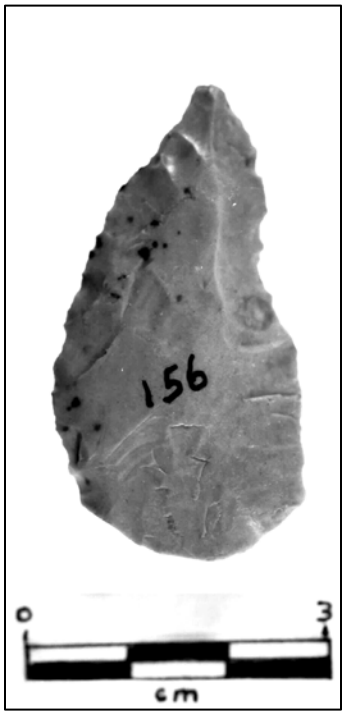


LV153 Reverse

LV154

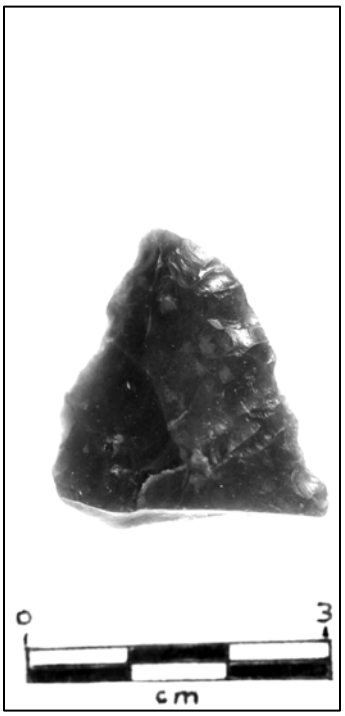


LV155

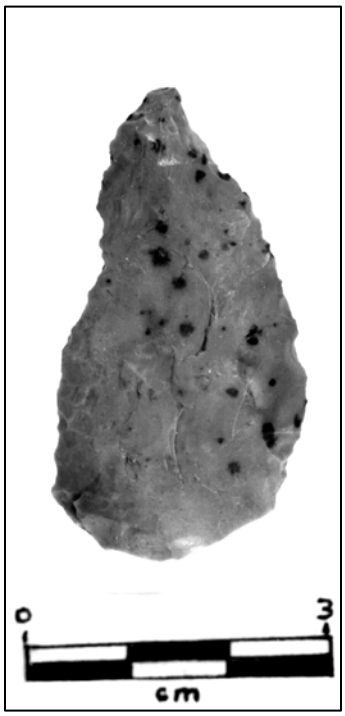


LV156

LV154 Reverse



LV155 Reverse

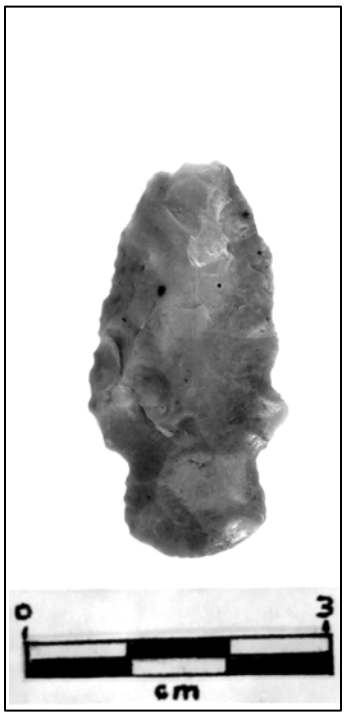


LV156 Reverse

LV157

LV158

LV159



LV157 Reverse

LV158 Reverse

LV159 Reverse

LV160

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LV160 Reverse

LV161 Reverse

LV162 Reverse

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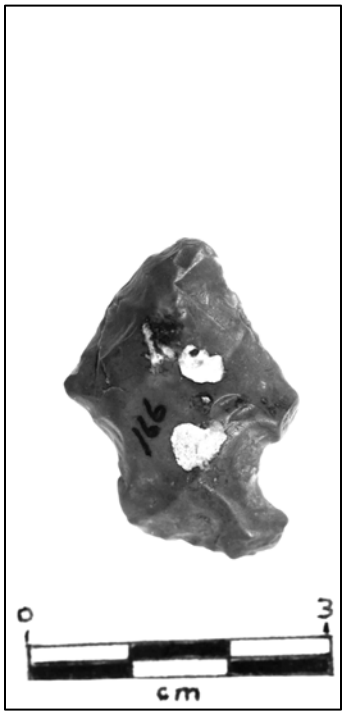
LV164

LV165

LV163 Reverse

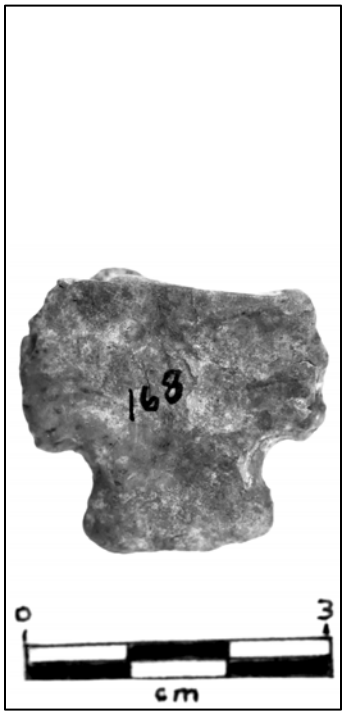
LV164 Reverse

LV165 Reverse

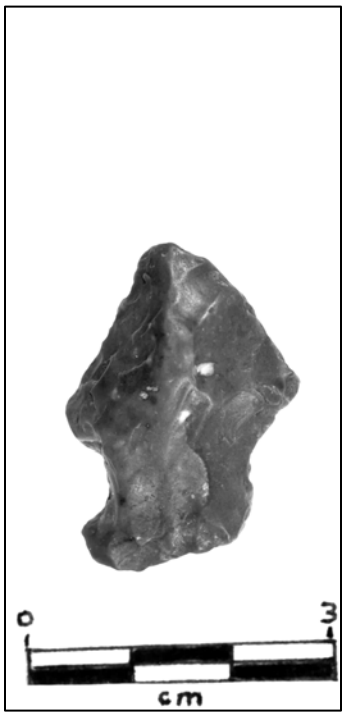


LV166

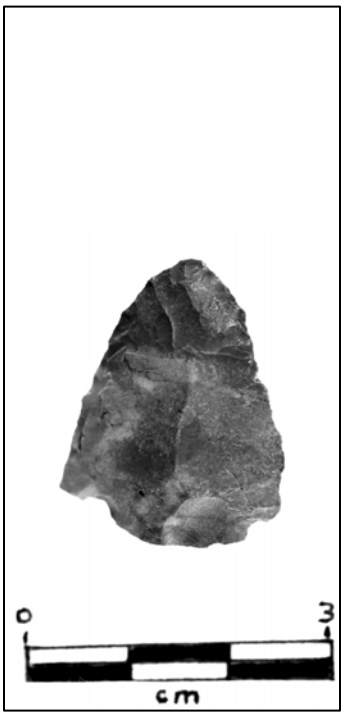
LV167



LV168



LV166 Reverse



LV167 Reverse

LV168 Reverse

LV169

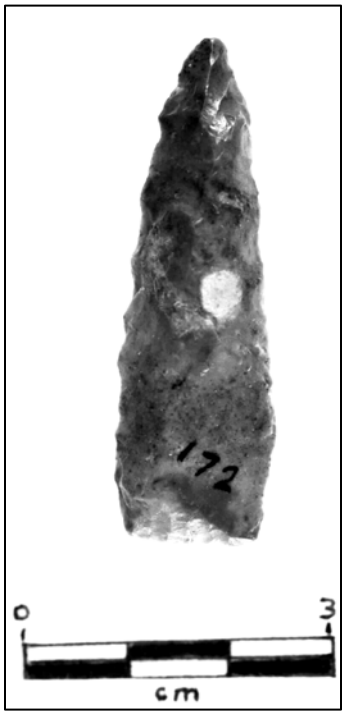
LV170

LV171

LV169 Reverse

LV170 Reverse

LV171 Reverse



LV172

LV173

LV174

LV172 Reverse

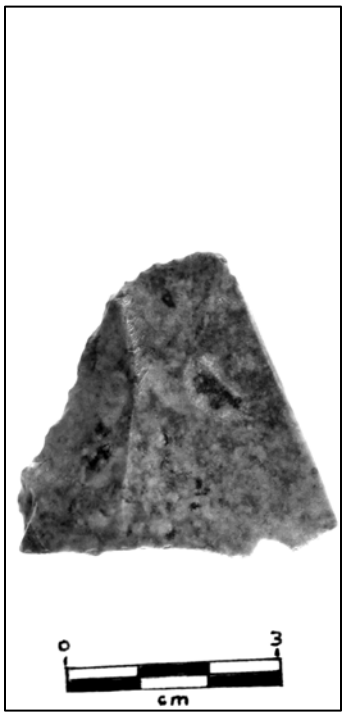
LV173 Reverse

LV174 Reverse

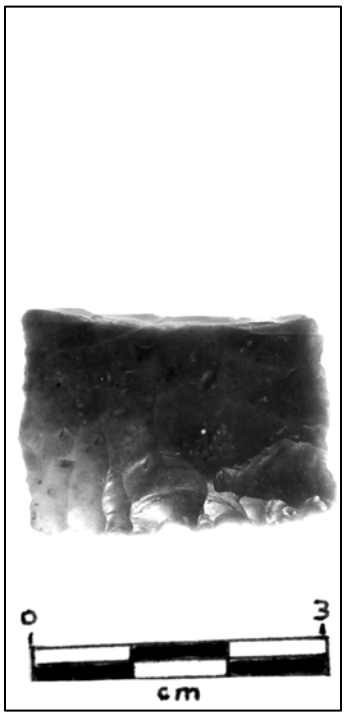
LV175

LV176

LV177



LV175 Reverse



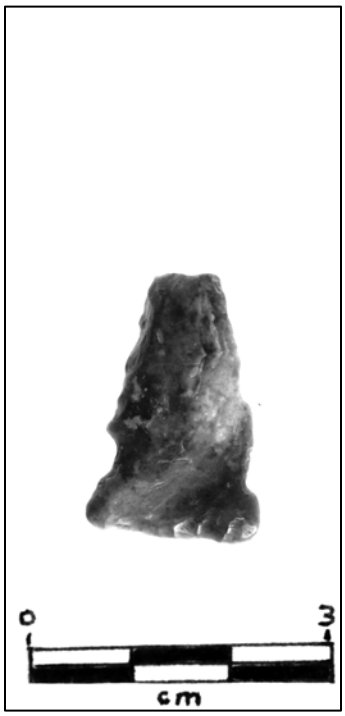
LV176 Reverse

LV177 Reverse

LV178

LV179

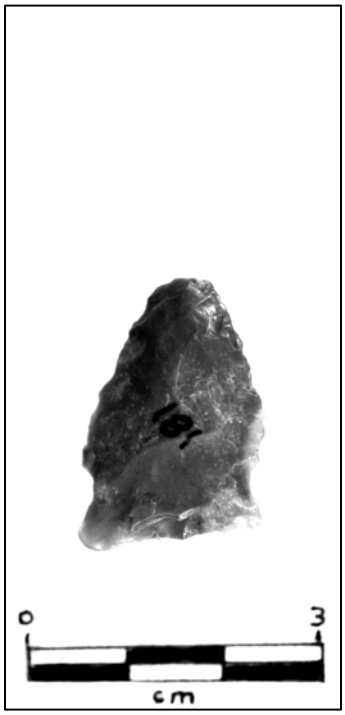
LV180



LV178 Reverse

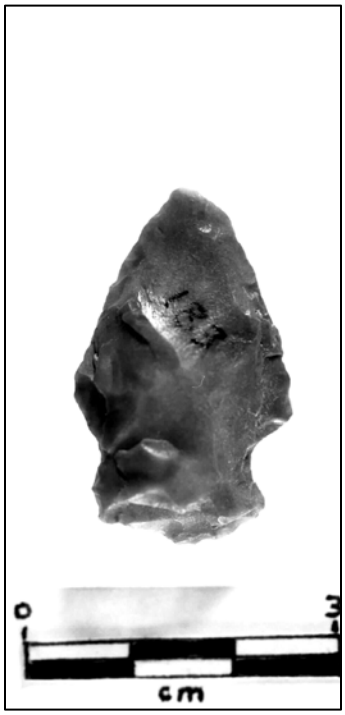
LV179 Reverse

LV180 Reverse

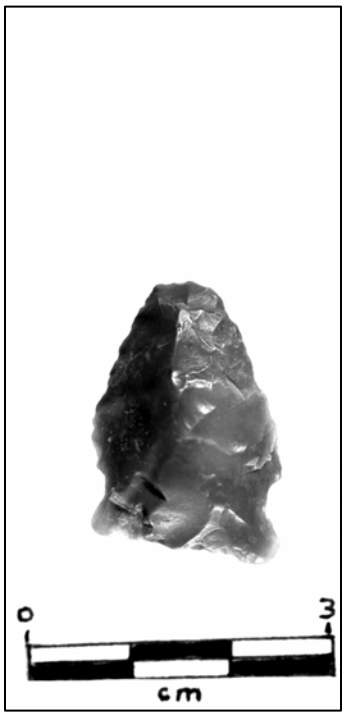


LV181

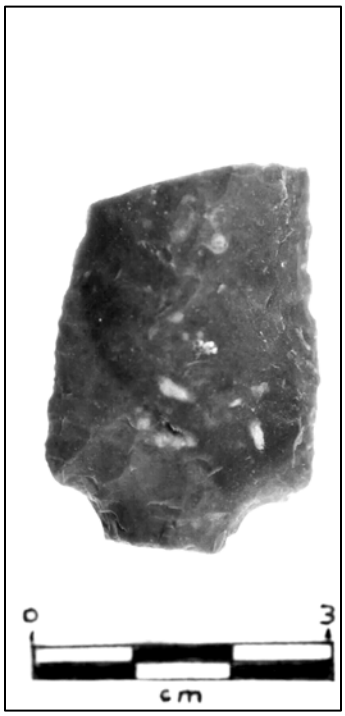
LV182



LV183

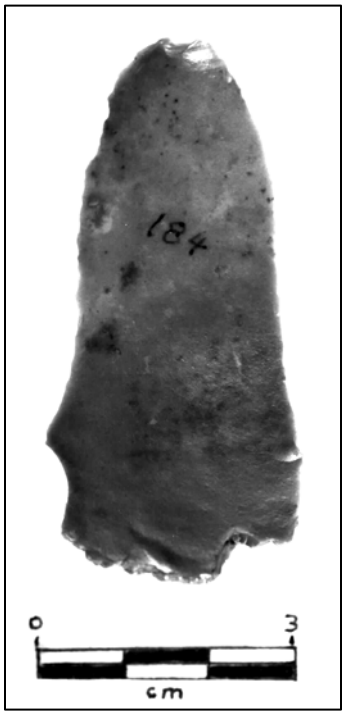


LV181 Reverse



LV182 Reverse

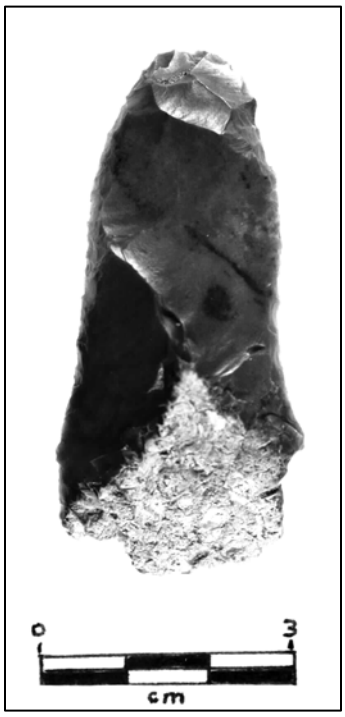
LV183 Reverse



LV184

LV185

LV186

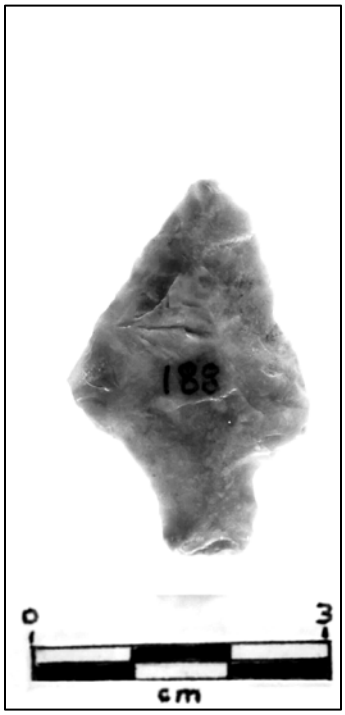


LV184 Reverse

LV185 Reverse

LV186 Reverse

LV187



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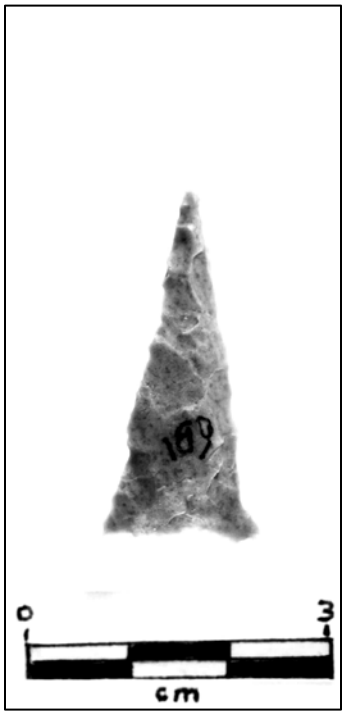
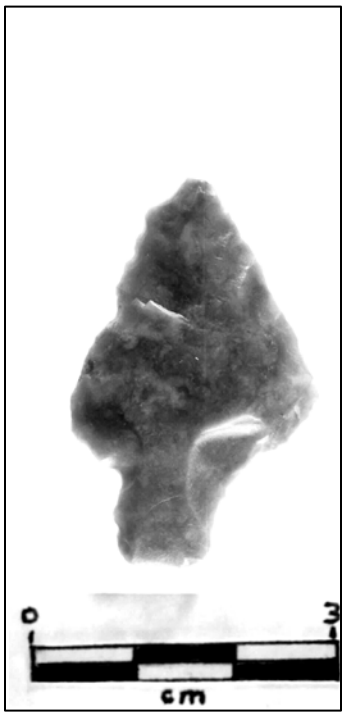
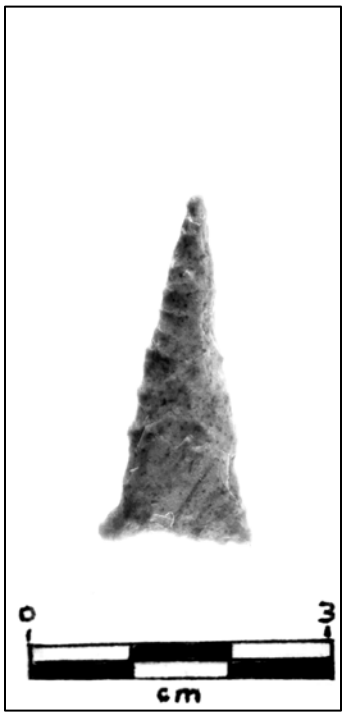


LV189

LV187 Reverse



LV188 Reverse



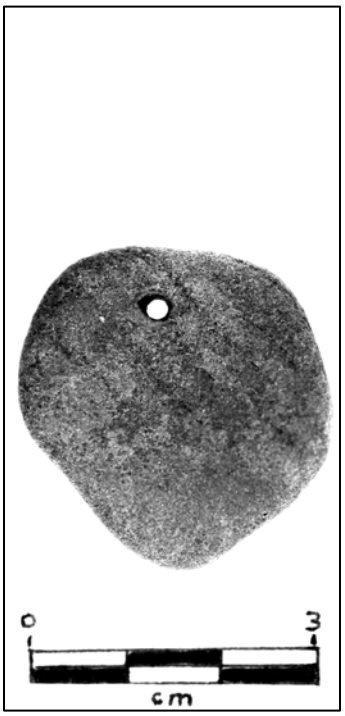
LV189 Reverse

LV190

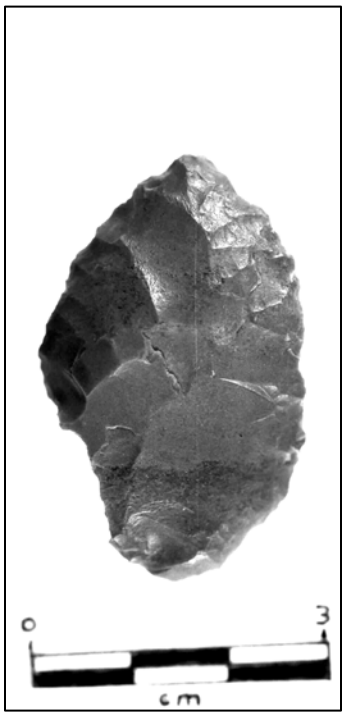
LV191

LV192

LV190 Reverse



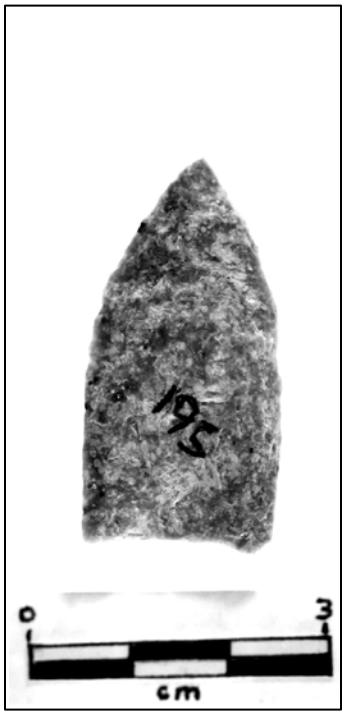
LV191 Reverse



LV192 Reverse

LV193

LV194



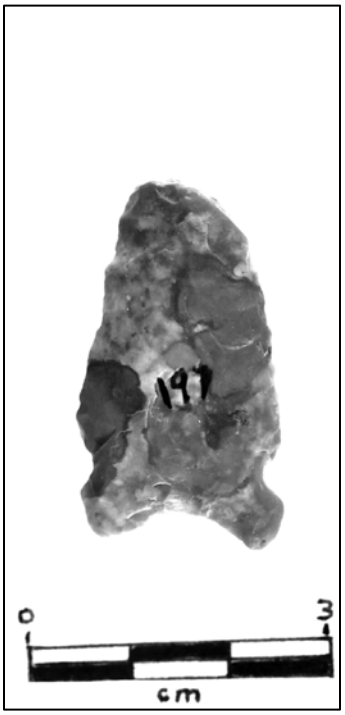
LV195

LV193 Reverse

LV194 Reverse

LV195 Reverse

LV196



LV197

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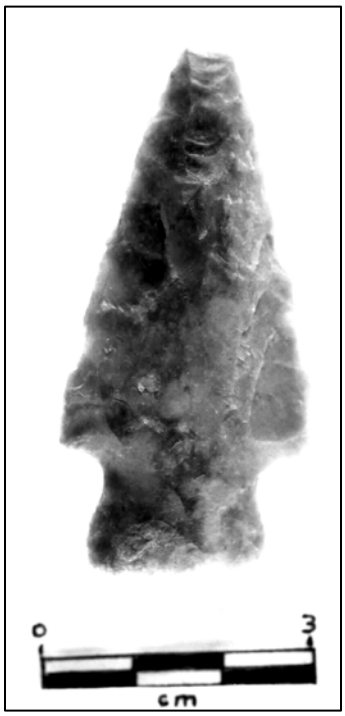
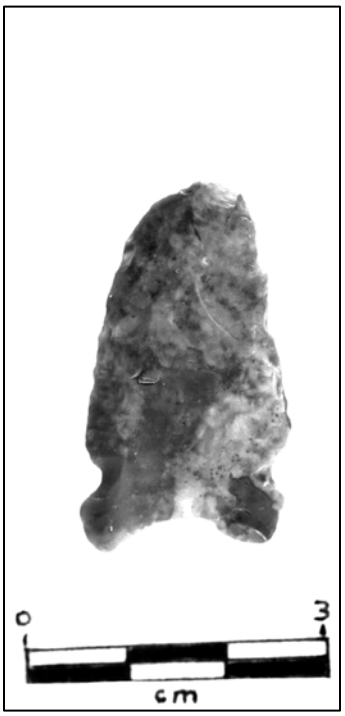


LV196 Reverse



LV197 Reverse

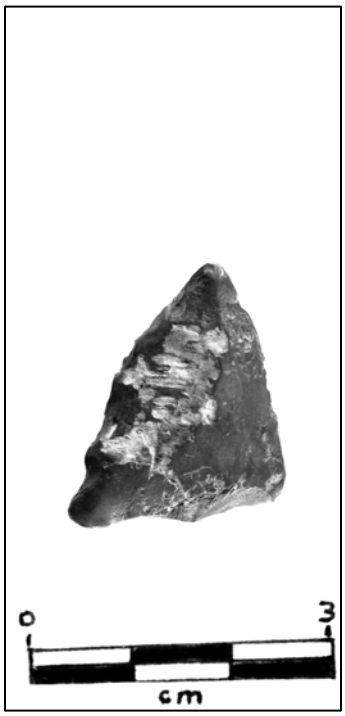
LV198 Reverse

LV199

LV200

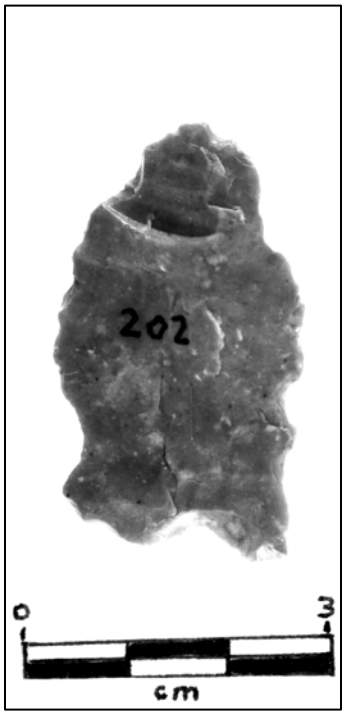
LV201

LV199 Reverse

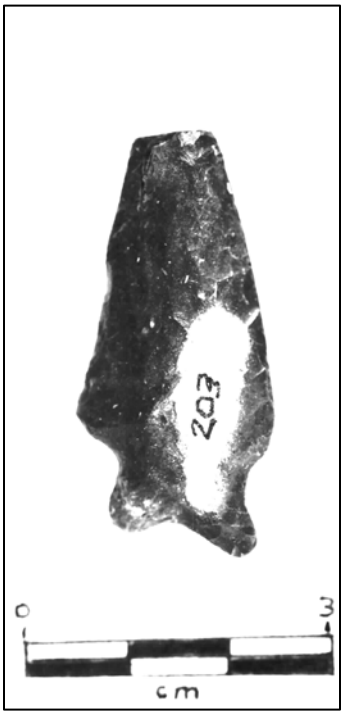


LV200 Reverse

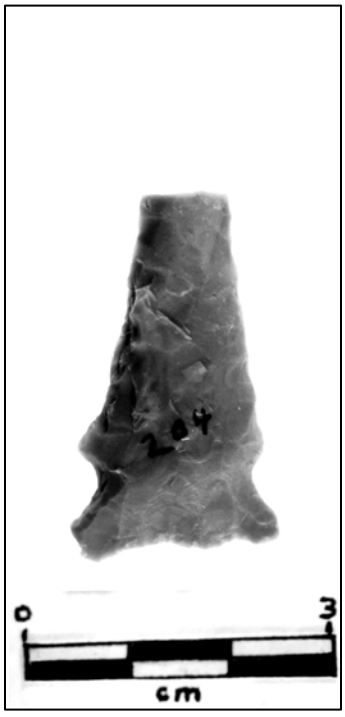
LV201 Reverse



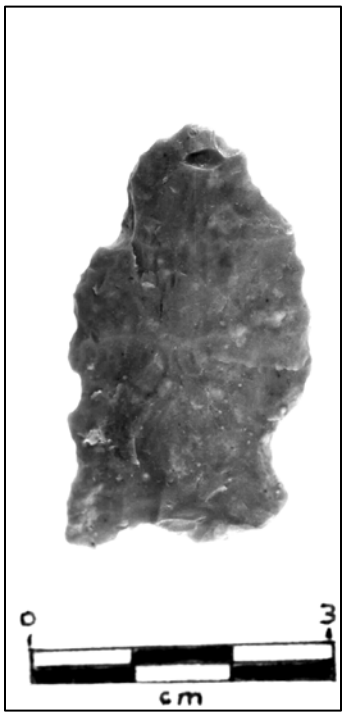
LV202



LV203

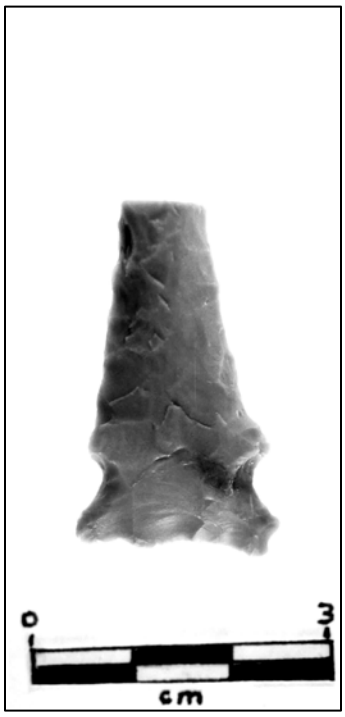


LV204

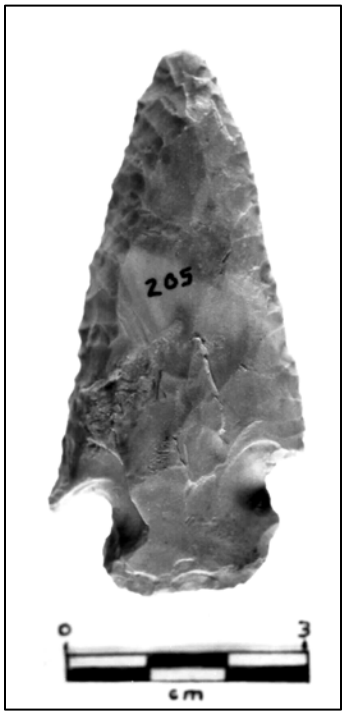


LV202 Reverse

LV203 Reverse

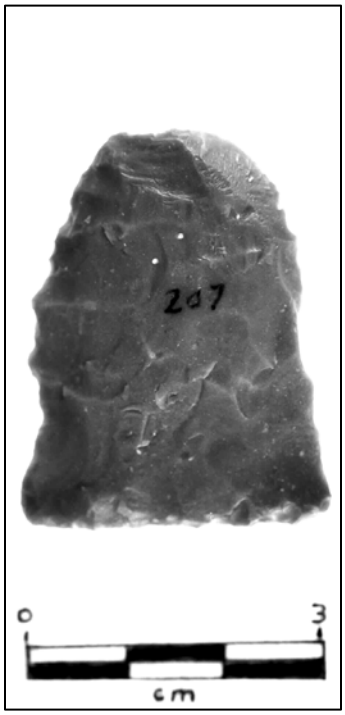


LV204 Reverse



LV205

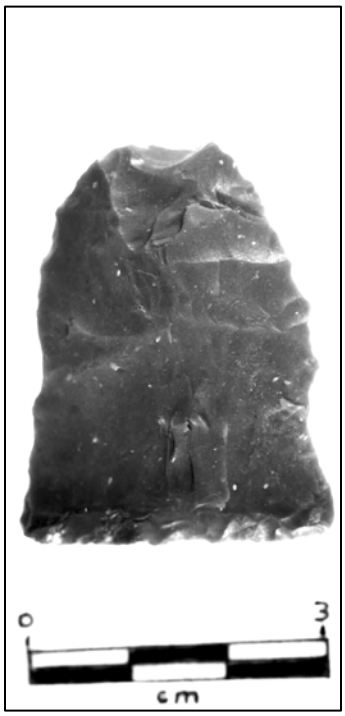
LV206



LV207

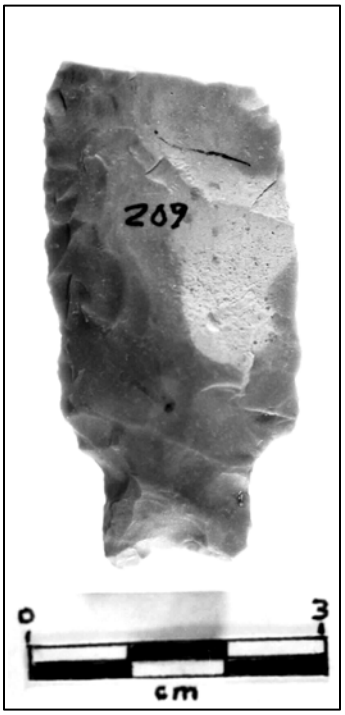
LV205 Reverse

LV206 Reverse

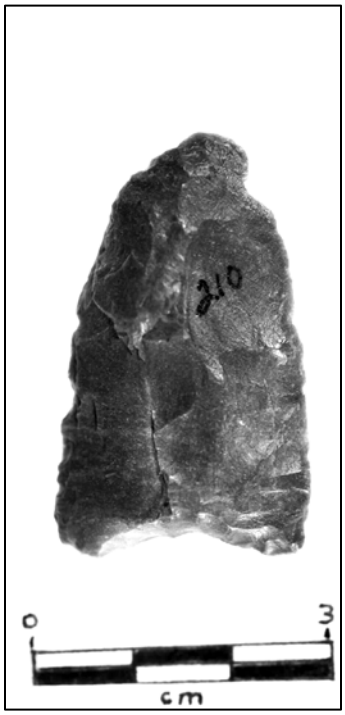


LV207 Reverse

LV208



LV209



LV210

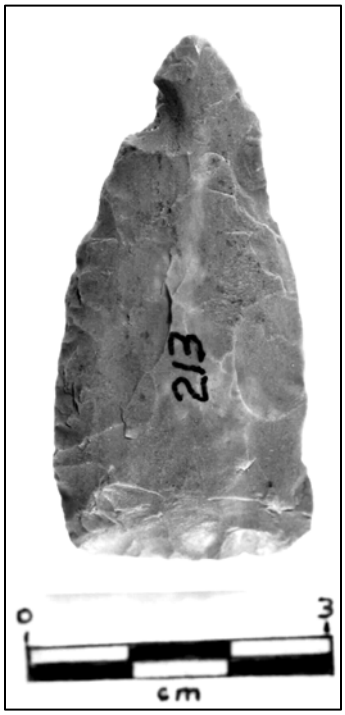
LV208 Reverse

LV209 Reverse

LV210 Reverse

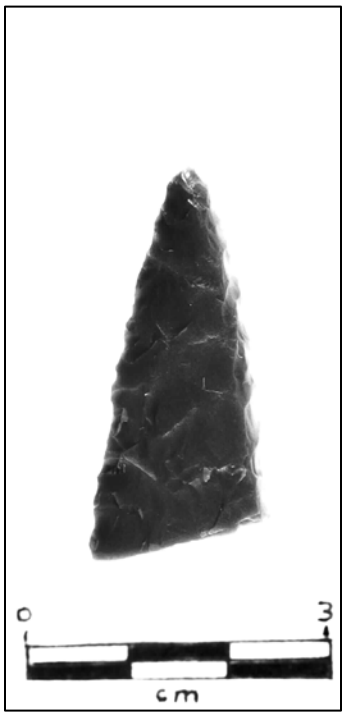
LV211

LV212



LV213

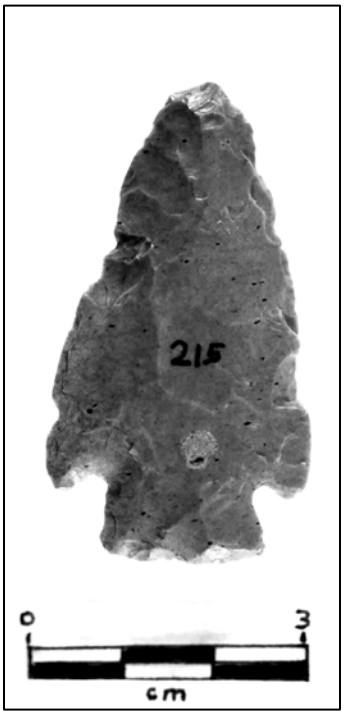
LV211 Reverse



LV212 Reverse

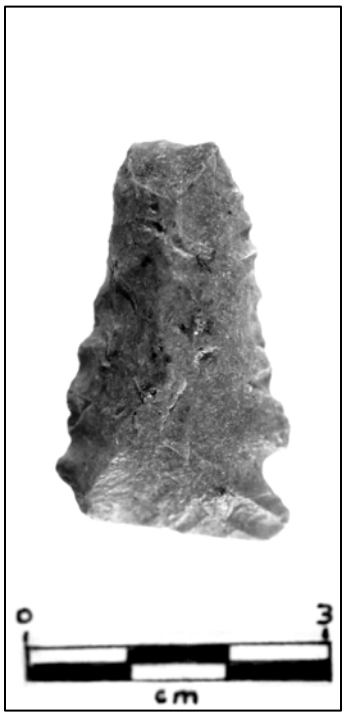
LV213 Reverse

LV214



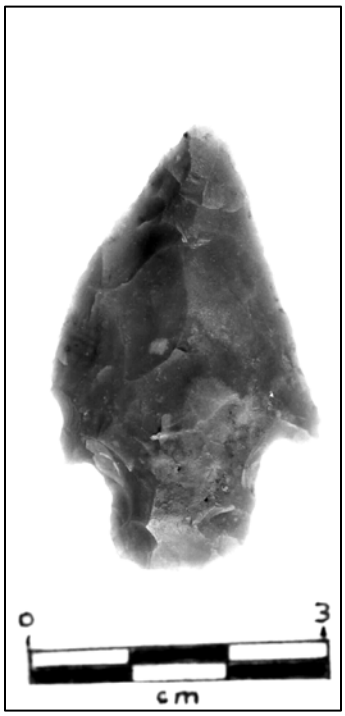
LV215

LV216



LV214 Reverse

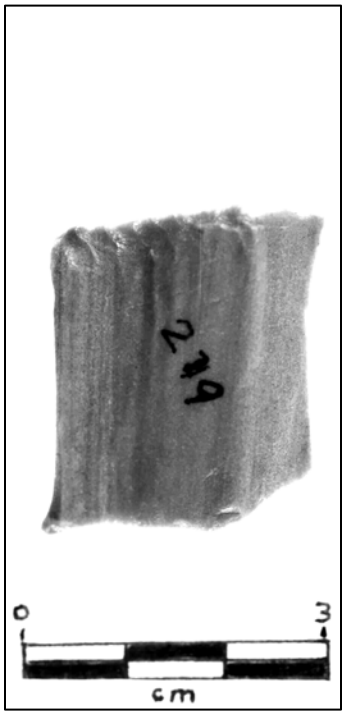
LV215 Reverse



LV216 Reverse

LV217

LV218



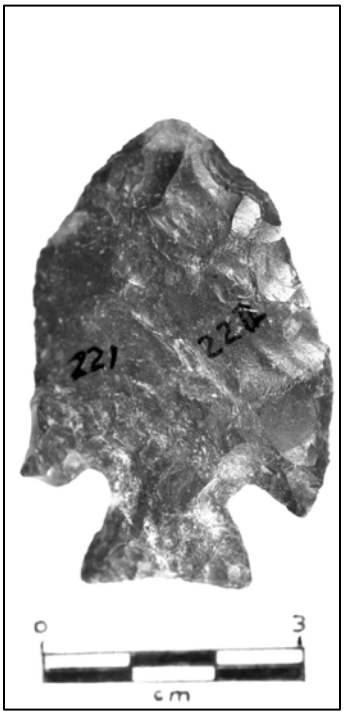
LV219

LV217 Reverse

LV218 Reverse

LV219 Reverse

LV220



LV221

LV222

LV220 Reverse

LV221 Reverse

LV222 Reverse

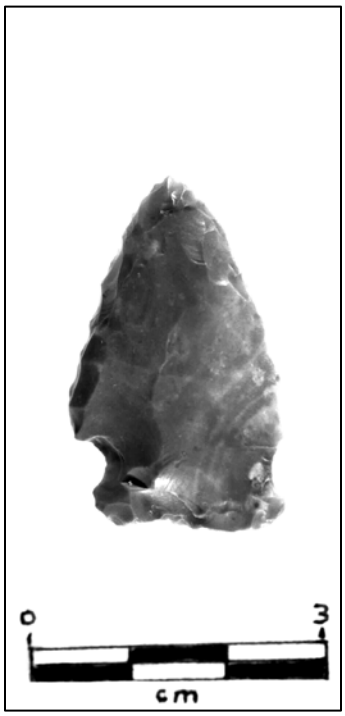
LV223

LV224

LV225

LV223 Reverse

LV224 Reverse



LV225 Reverse

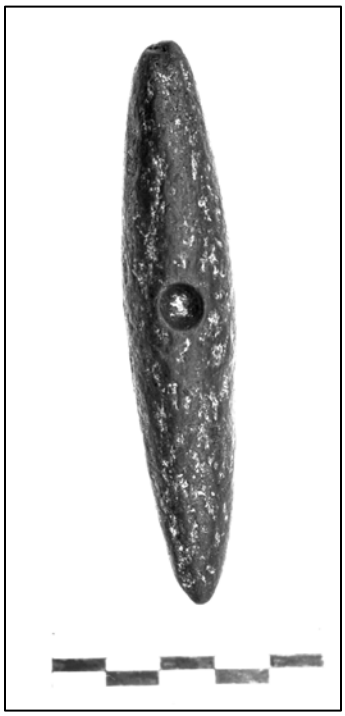
LV226

LV227

LV228

LV226 Reverse

LV227 Reverse



LV228 Side

LV229

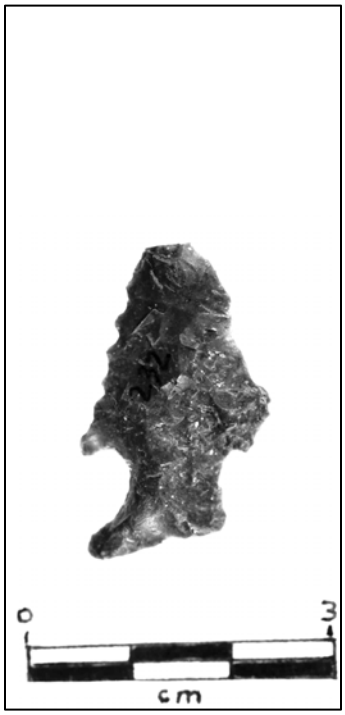
LV230

LV231

LV229 Reverse

LV230 Reverse

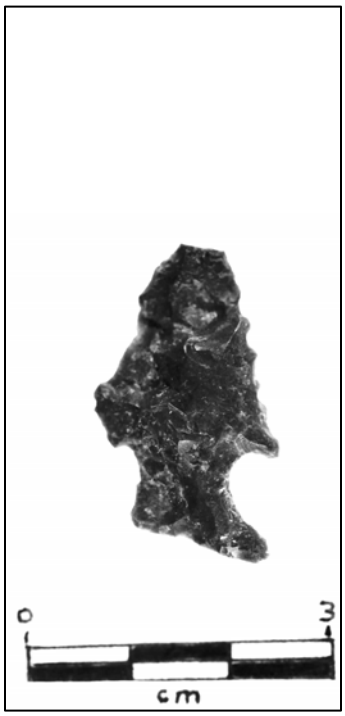
LV231 Reverse



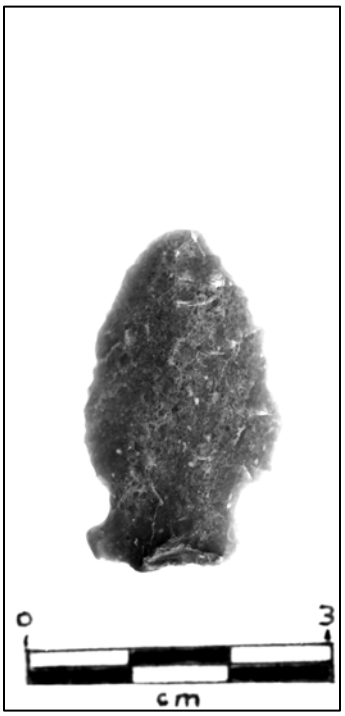
LV232

LV233

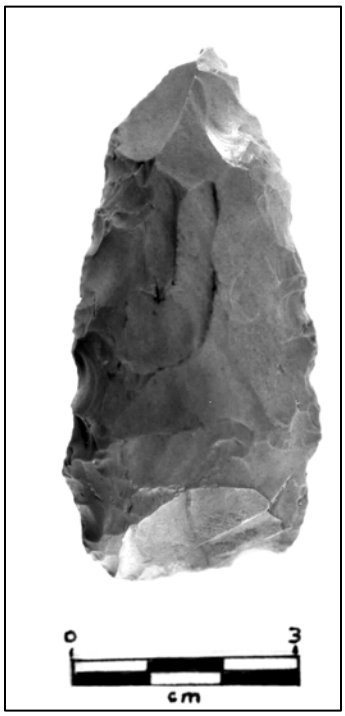
LV234



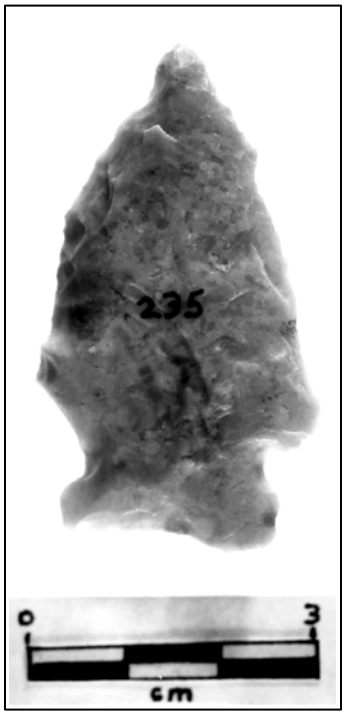
LV232 Reverse



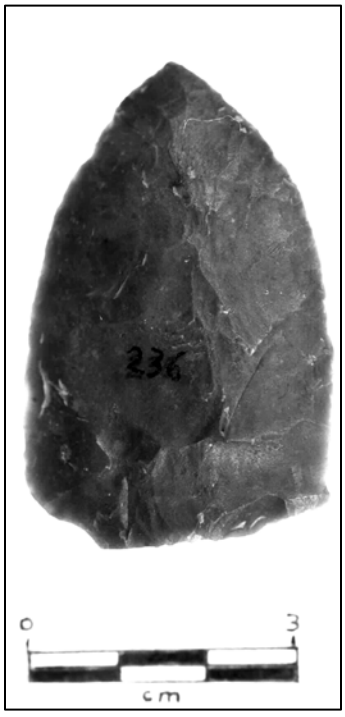
LV233 Reverse



LV234 Reverse

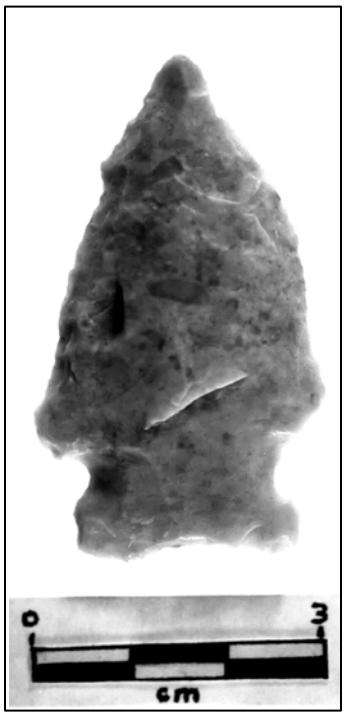


LV235

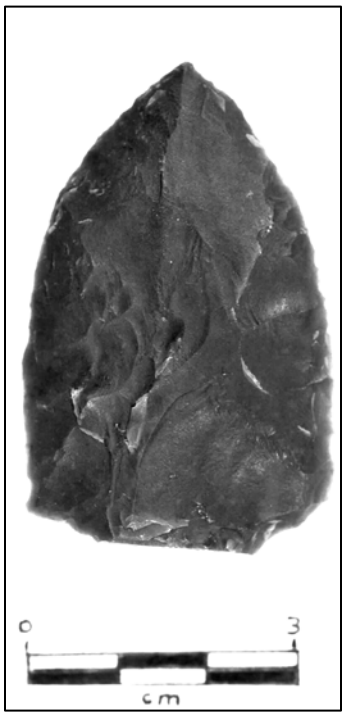


LV236

LV237

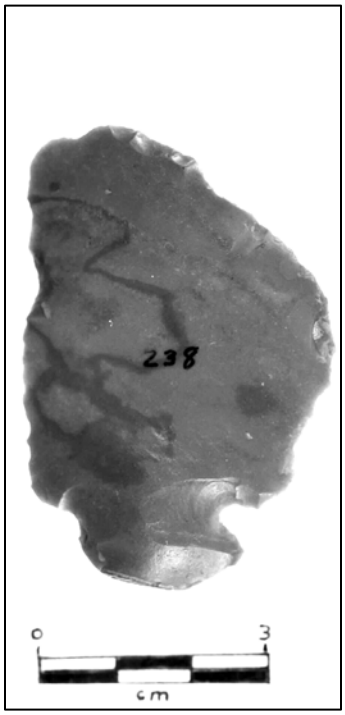


LV235 Reverse

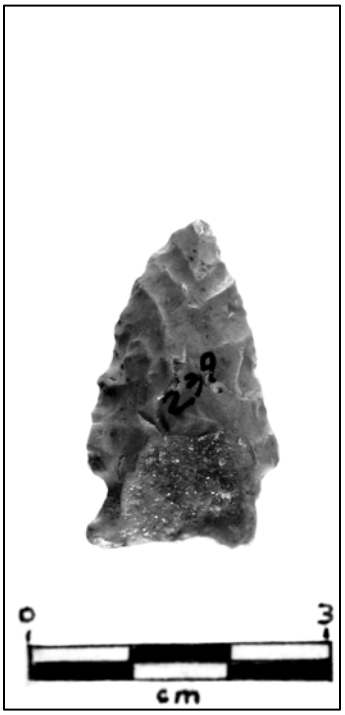


LV236 Reverse

LV237 Reverse



LV238

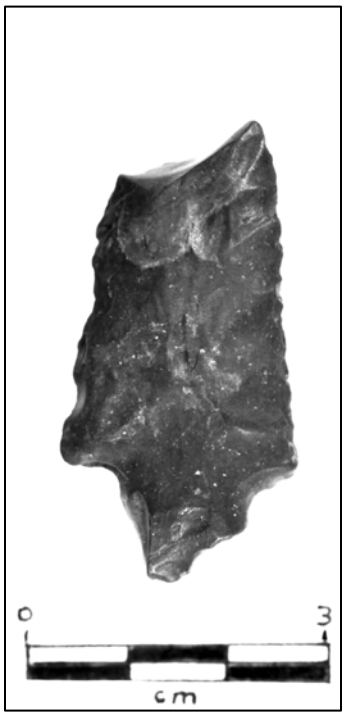


LV239

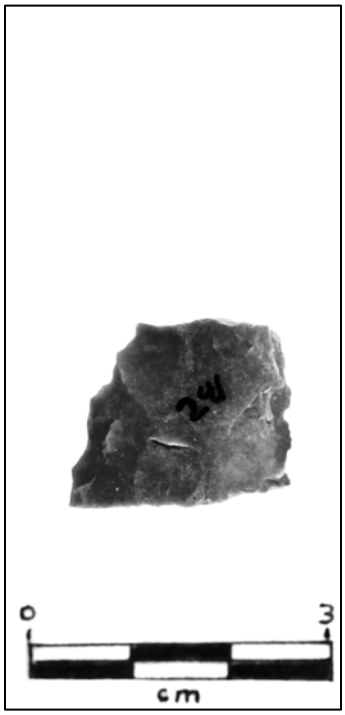
LV240

LV238 Reverse

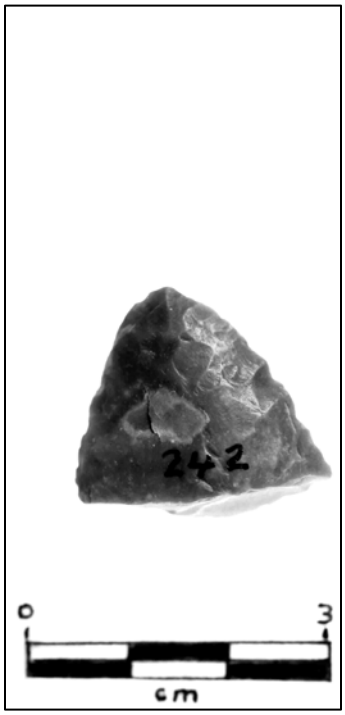
LV239 Reverse



LV240 Reverse

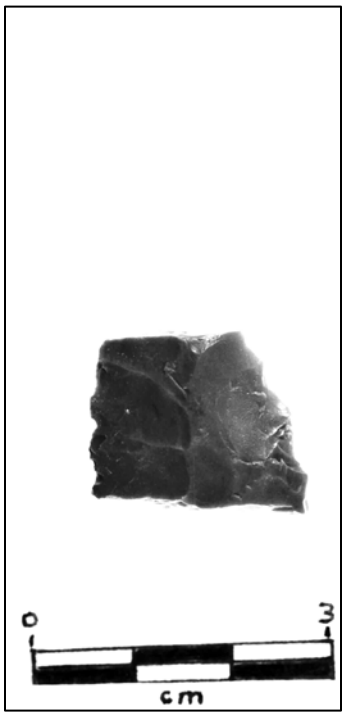


LV241



LV242

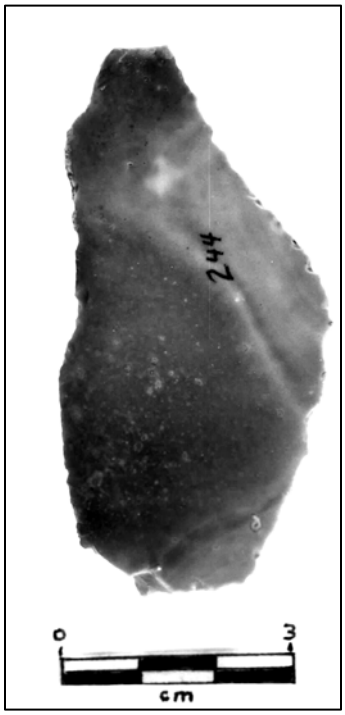
LV243



LV241 Reverse

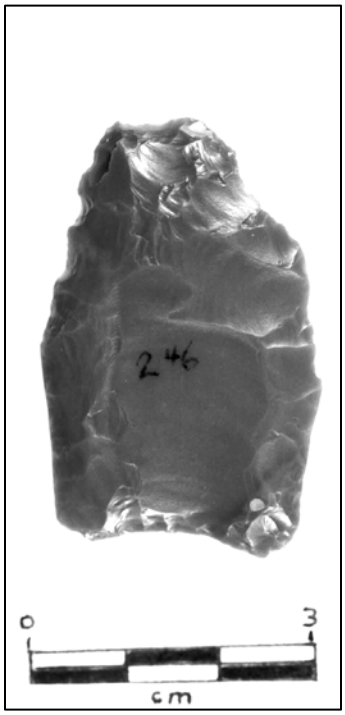
LV242 Reverse

LV243 Reverse



LV244

LV245

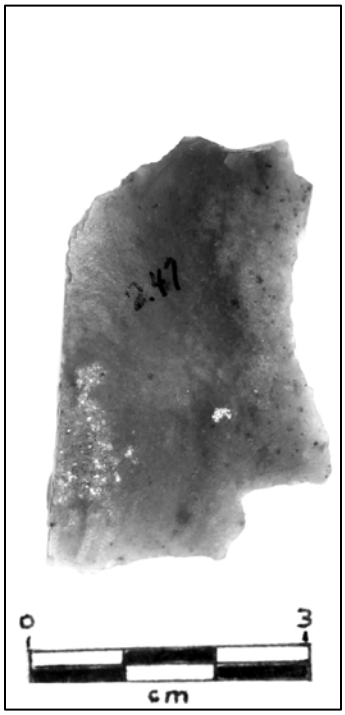


LV246

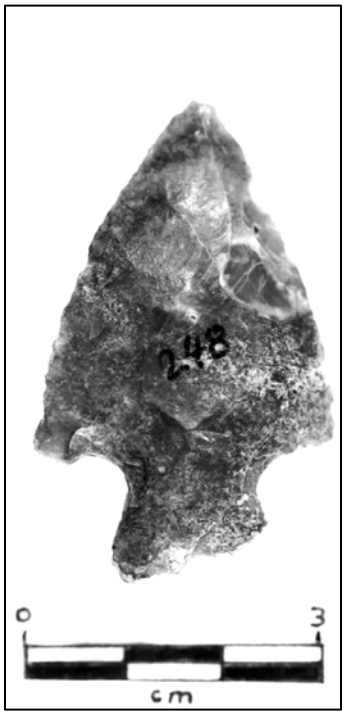
LV244 Reverse

LV245 Reverse

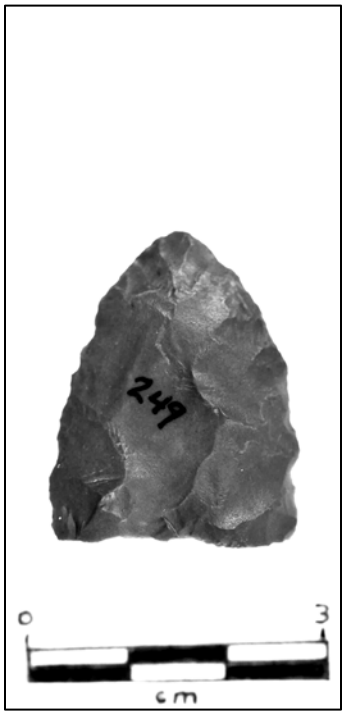
LV246 Reverse



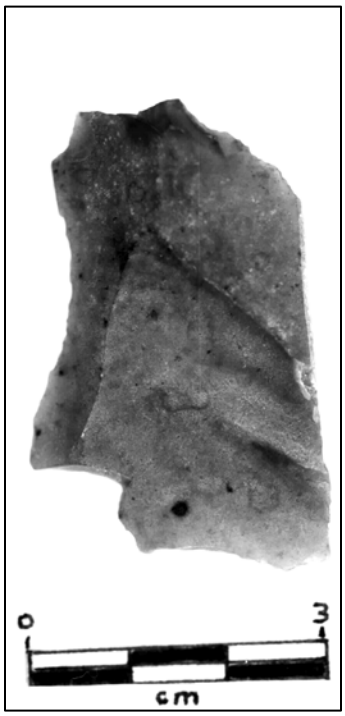
LV247



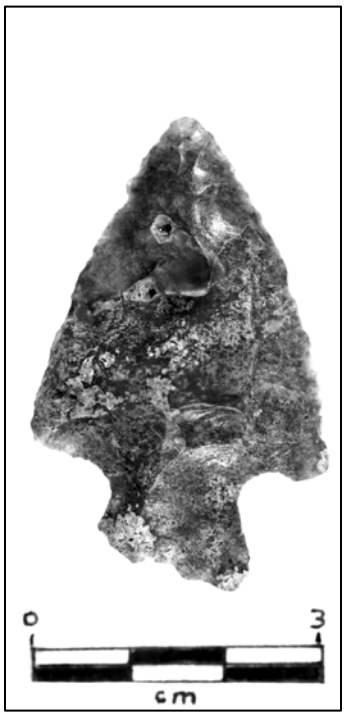
LV248



LV249



LV247 Reverse



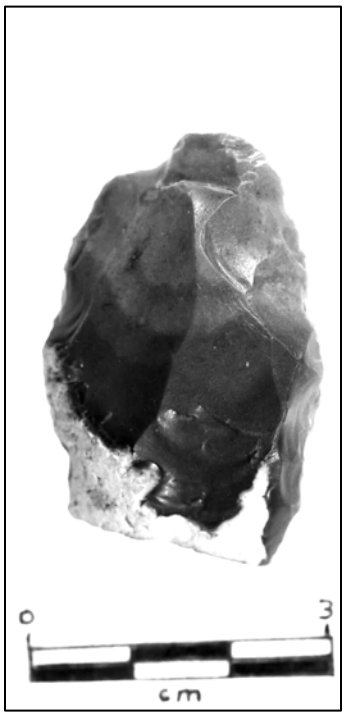
LV248 Reverse

LV249 Reverse

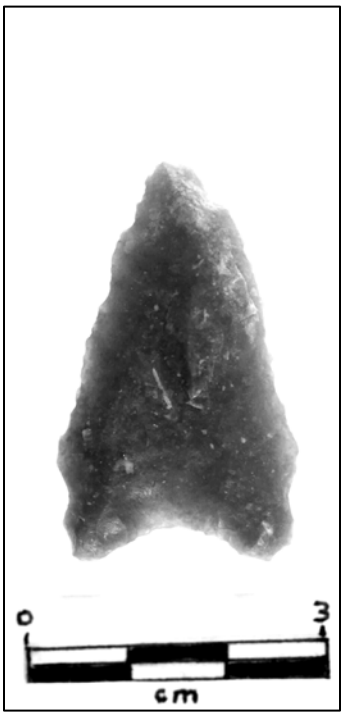
LV250

LV251

LV252

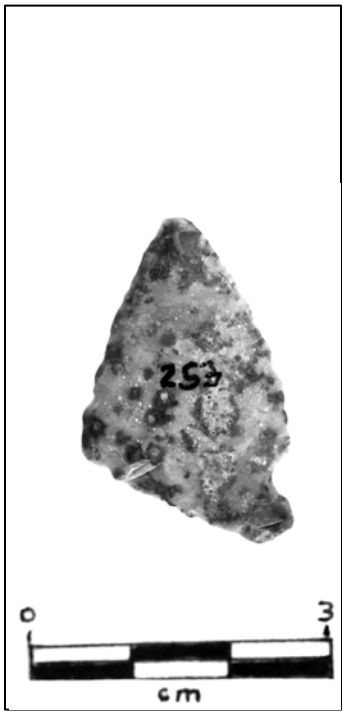


LV250 Reverse

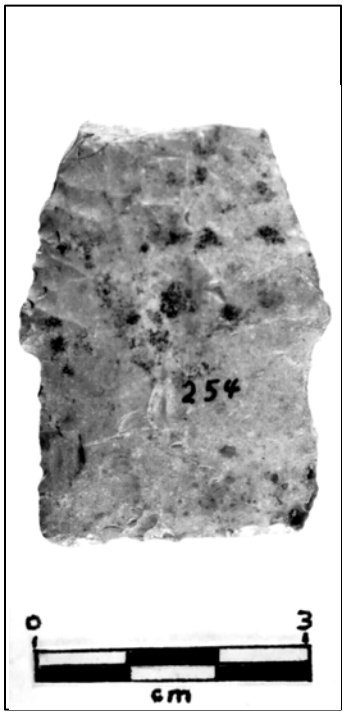


LV251 Reverse

LV252 Reverse

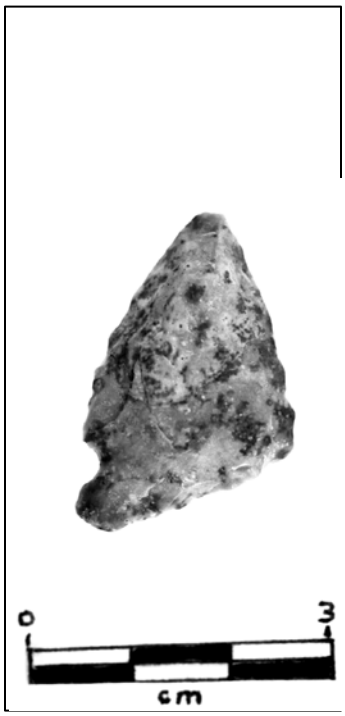


LV253



LV254

LV255



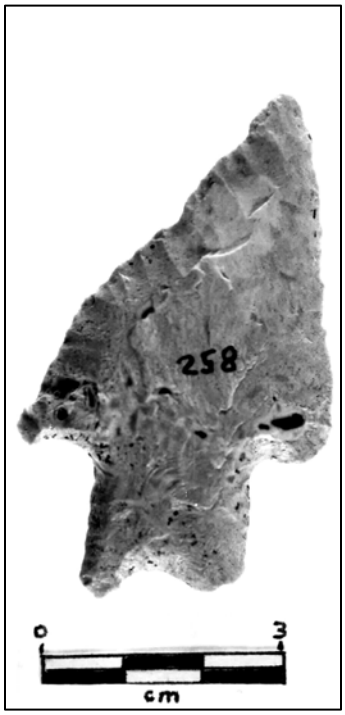
LV253 Reverse

LV254 Reverse

LV255 Reverse

LV256

LV257



LV258

LV256 Reverse

LV257 Reverse

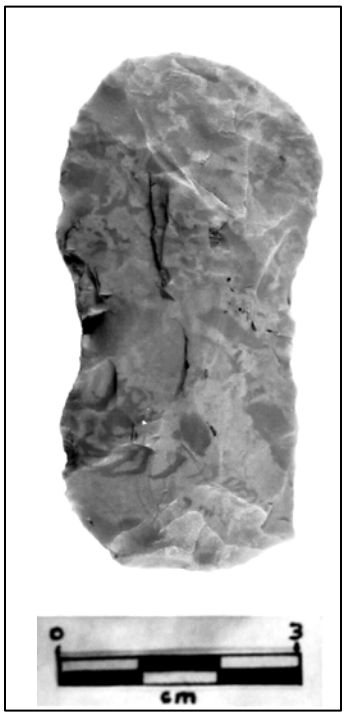
LV258 Reverse

LV259

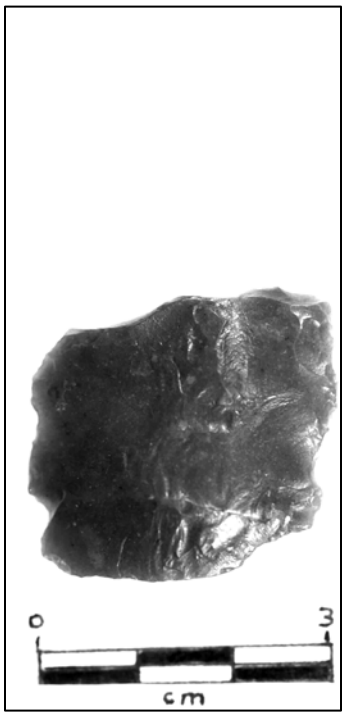
LV260

LV261

LV259 Reverse



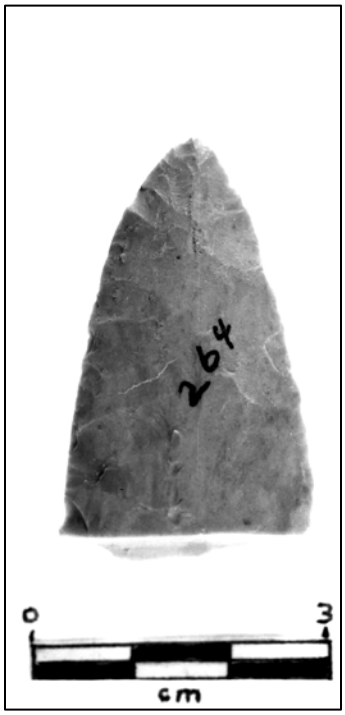
LV260 Reverse



LV261 Reverse

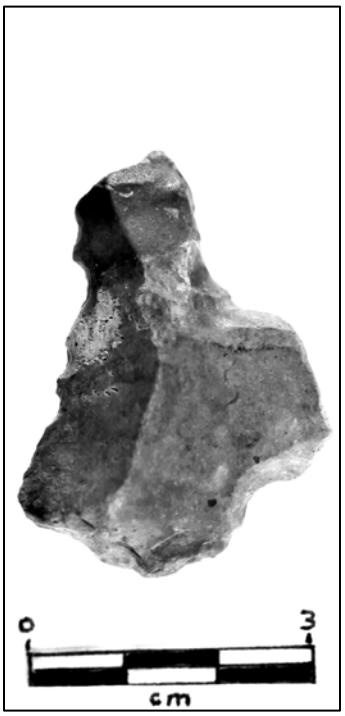
LV262

LV263



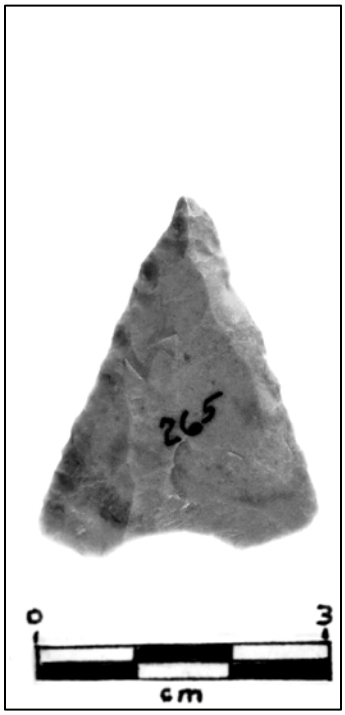
LV264

LV262 Reverse



LV263 Reverse

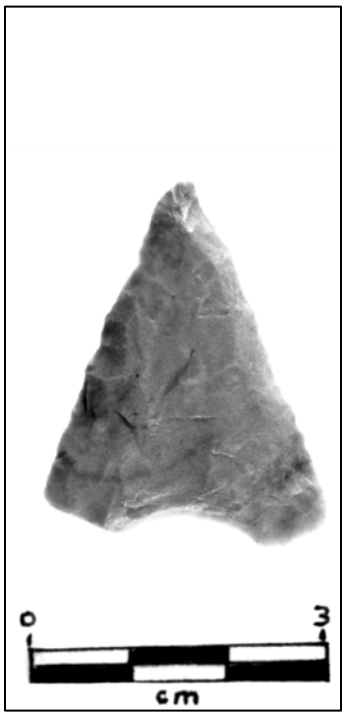
LV264 Reverse



LV265

LV265A

LV266



LV265 Reverse

LV265A Reverse

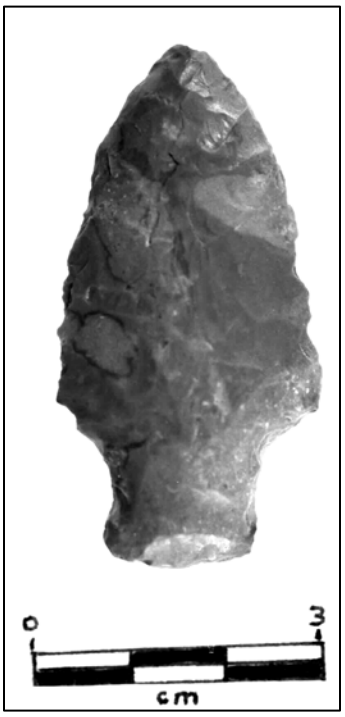
LV266 Reverse

LV267

LV268

LV269

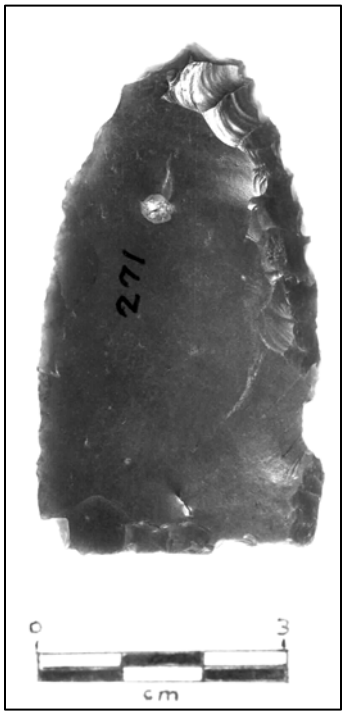
LV267 Reverse



LV268 Reverse

LV269 Reverse

LV270

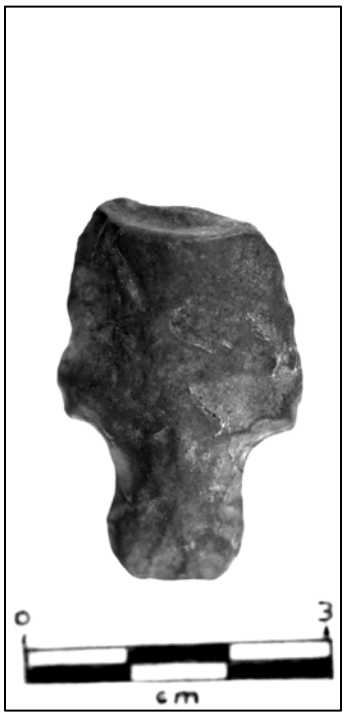


LV271

LV272

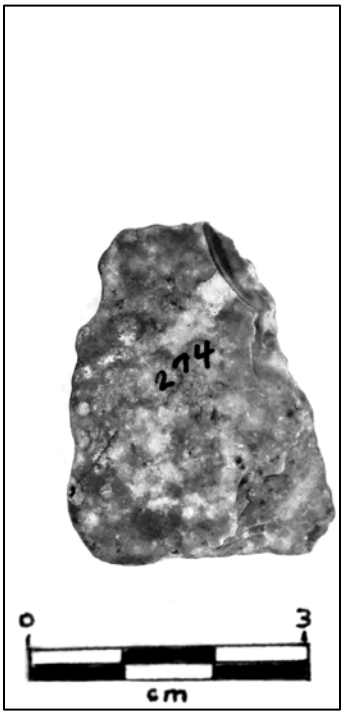
LV270 Reverse

LV271 Reverse



LV272 Reverse

LV273



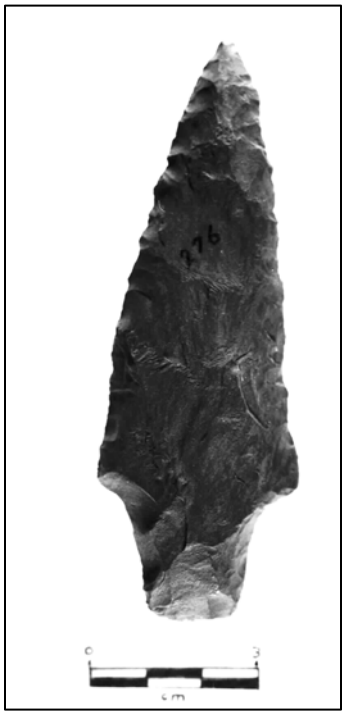
LV274

LV275

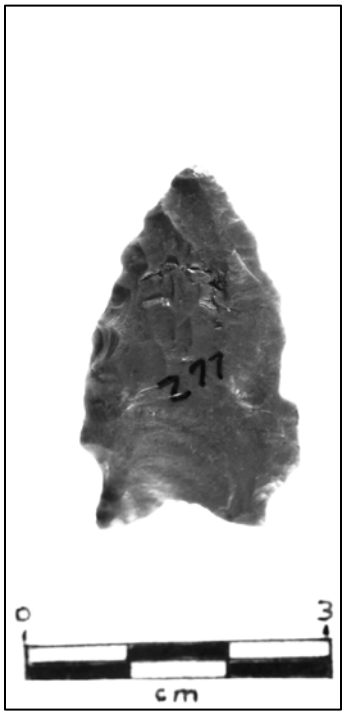
LV273 Reverse

LV274 Reverse

LV275 Reverse



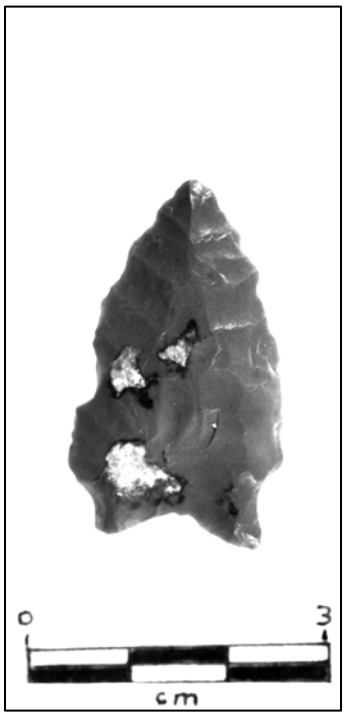
LV276



LV277

LV278

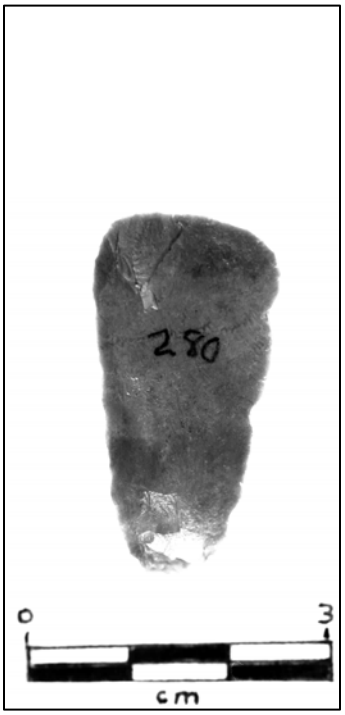
LV276 Reverse



LV277 Reverse

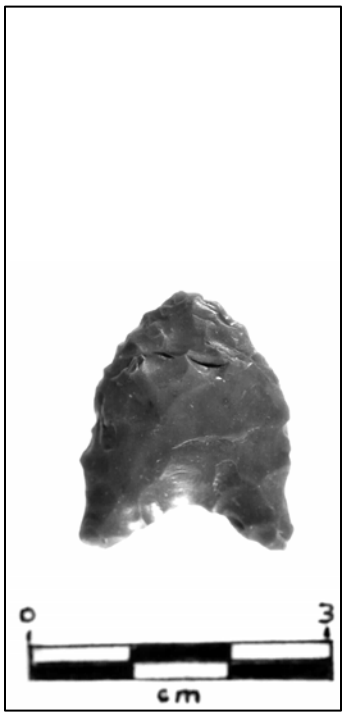
LV278 Reverse

LV279



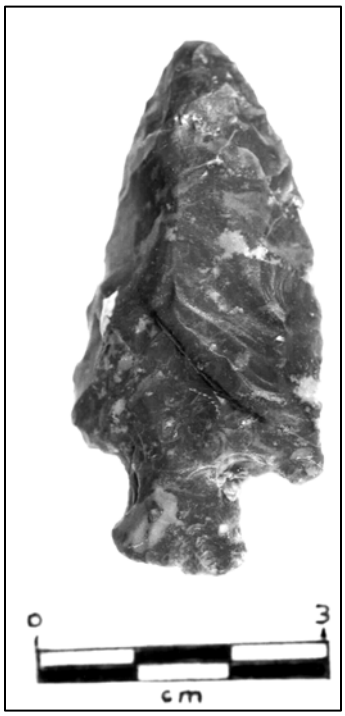
LV280

LV281



LV279 Reverse

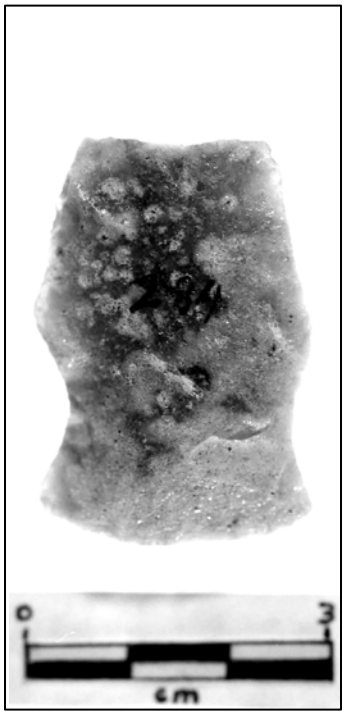
LV280 Reverse



LV281 Reverse

LV282

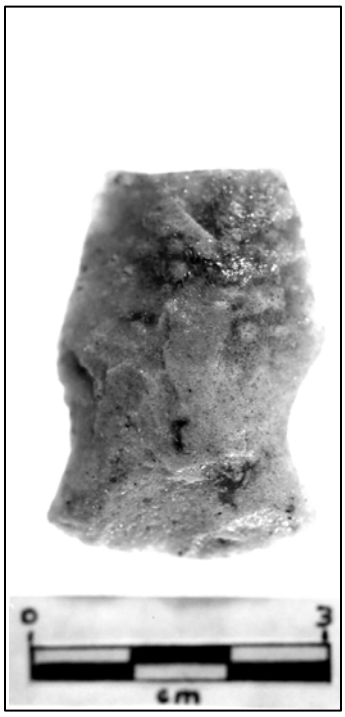
LV283



LV284

LV282 Reverse

LV283 Reverse

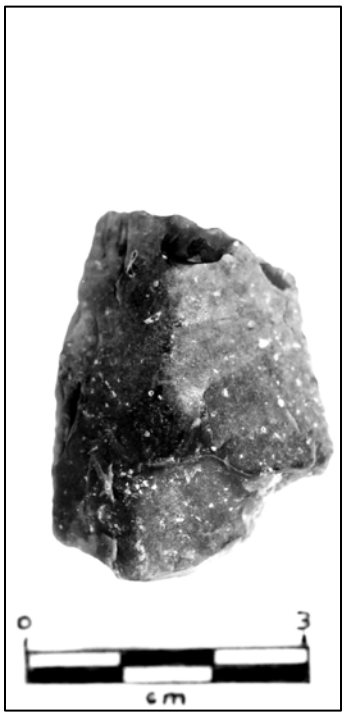


LV284 Reverse

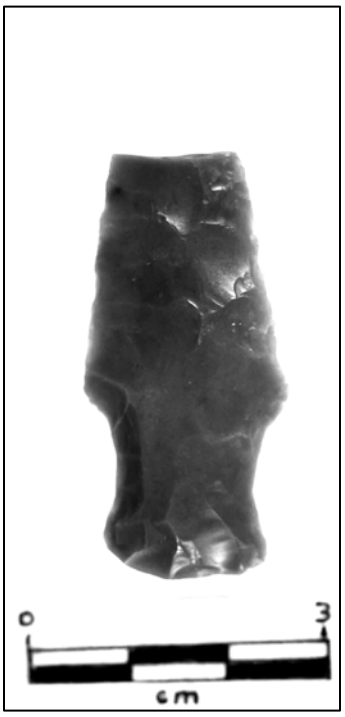
LV285

LV286

LV287



LV285 Reverse



LV286 Reverse

LV287 Reverse

LV288

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LV288 Reverse

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LV293 Reverse

LV294

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LV296

LV294 Reverse

LV295 Reverse

LV296 Reverse

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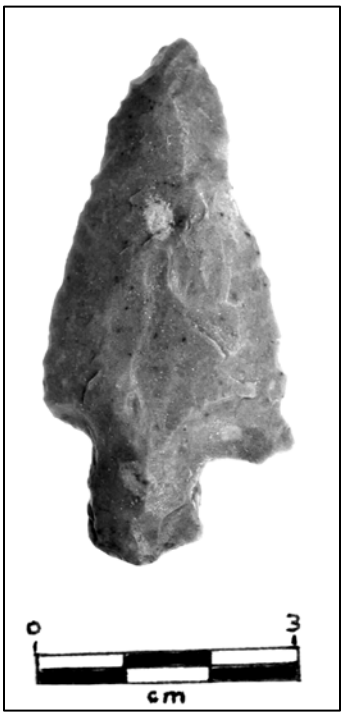
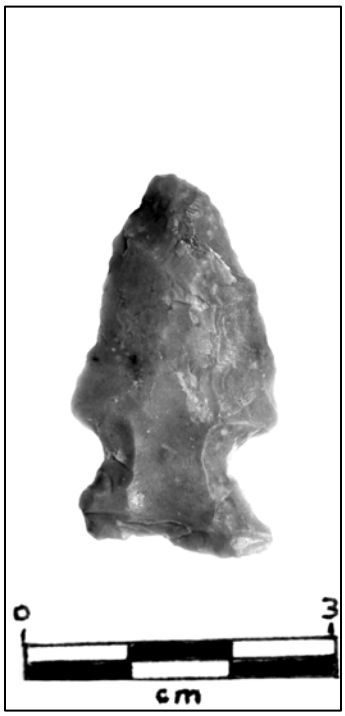
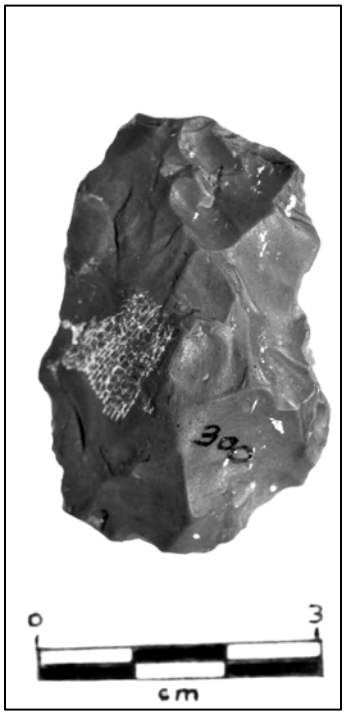
LV297 Reverse



LV298 Reverse

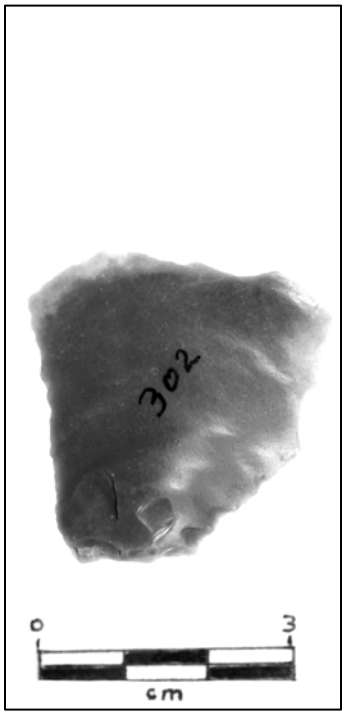


LV299 Reverse



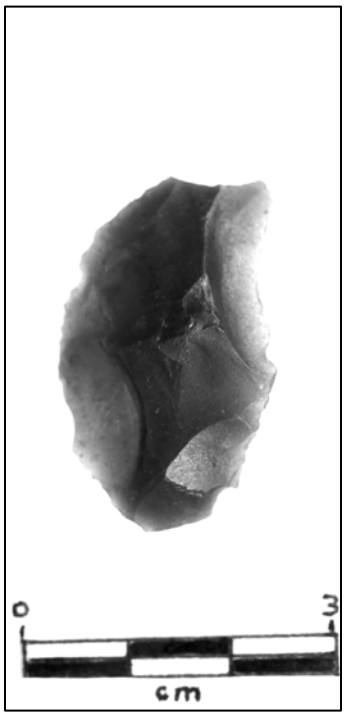
LV300

LV301



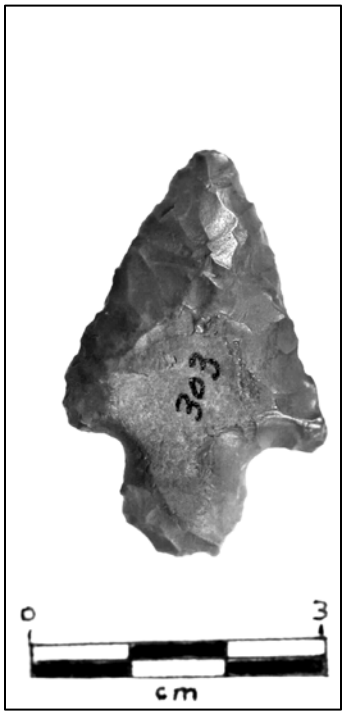
LV302

LV300 Reverse



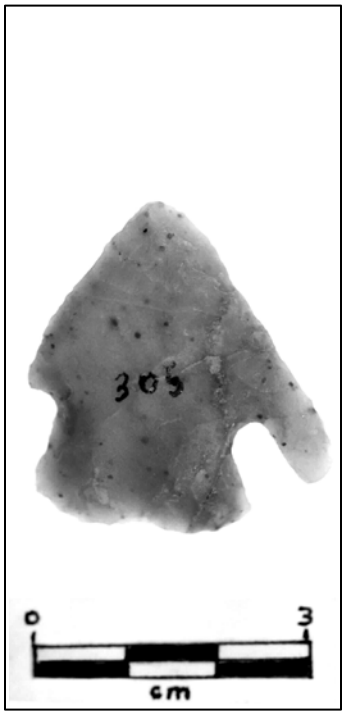
LV301 Reverse

LV302 Reverse

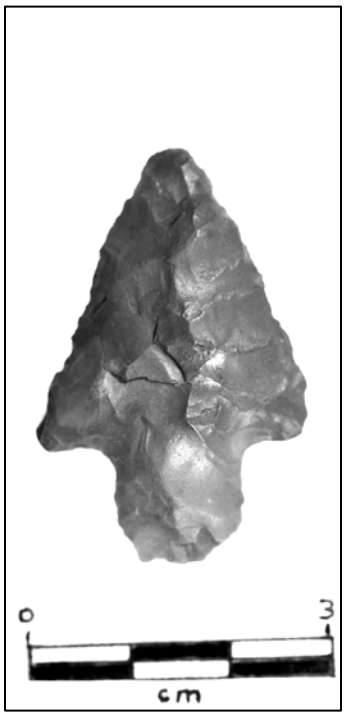


LV303

LV304

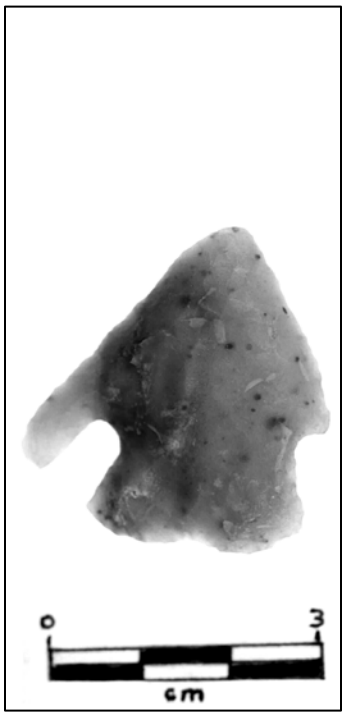


LV305



LV303 Reverse

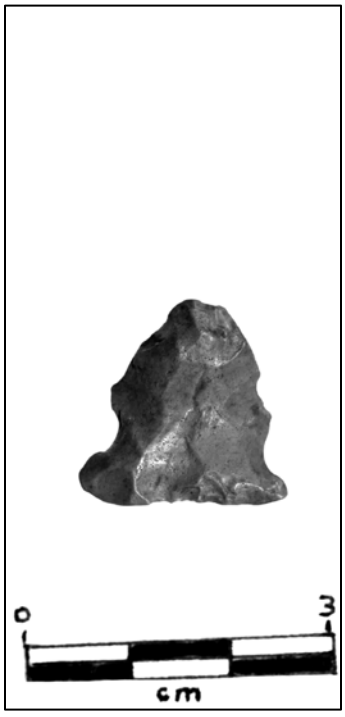
LV304 Reverse



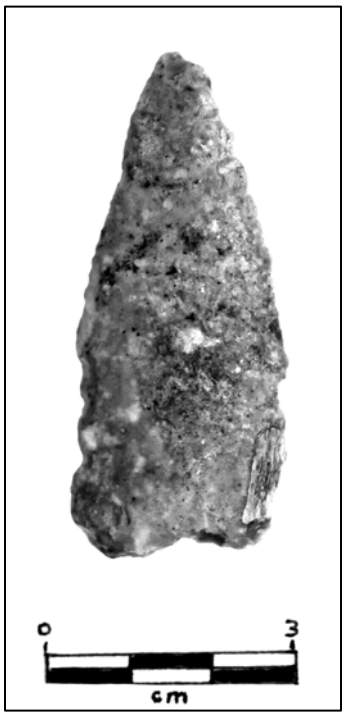
LV305 Reverse

LV306

LV307



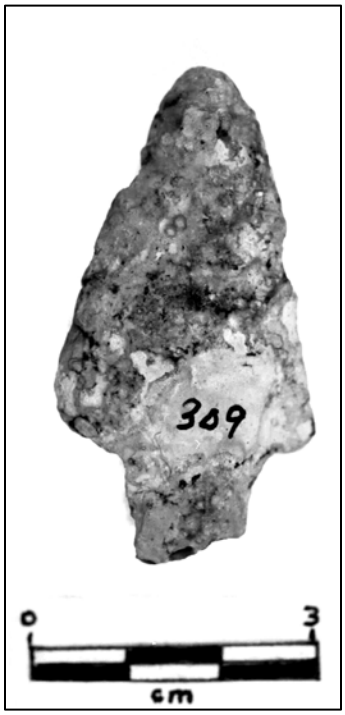
LV308



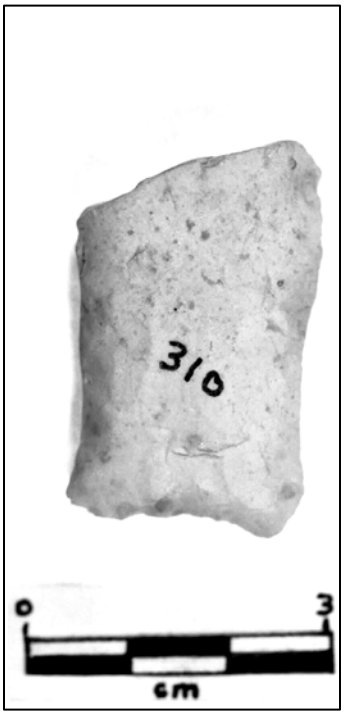
LV306 Reverse

LV307 Reverse

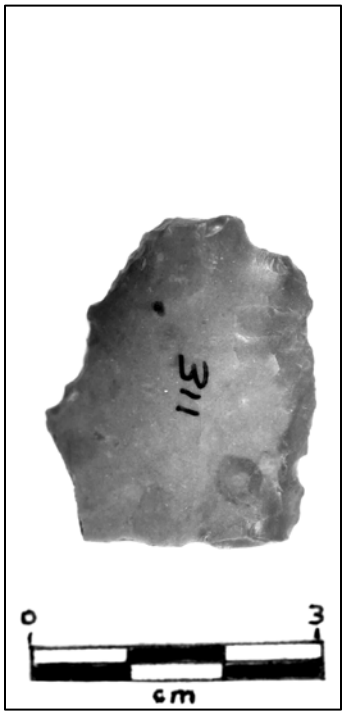
LV308 Reverse



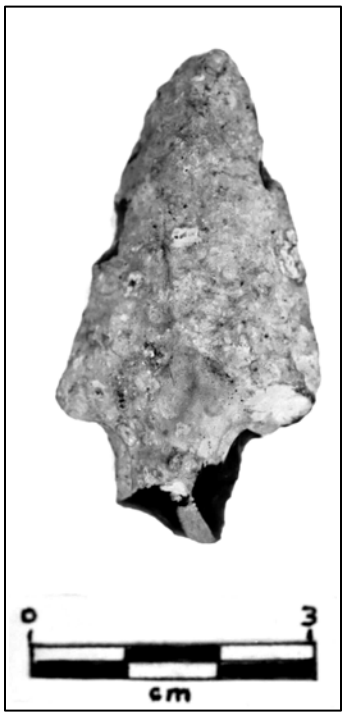
LV309



LV310



LV311



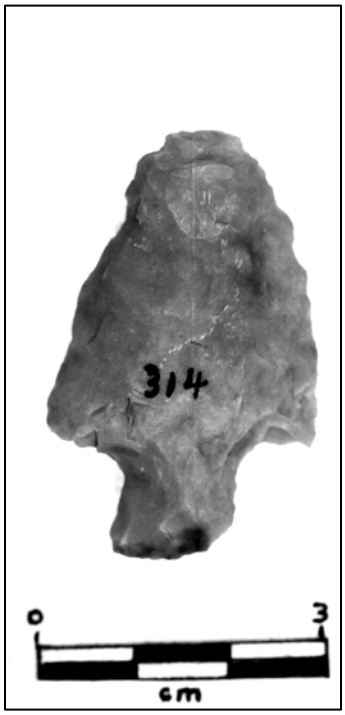
LV309 Reverse

LV310 Reverse

LV311 Reverse

LV312

LV313



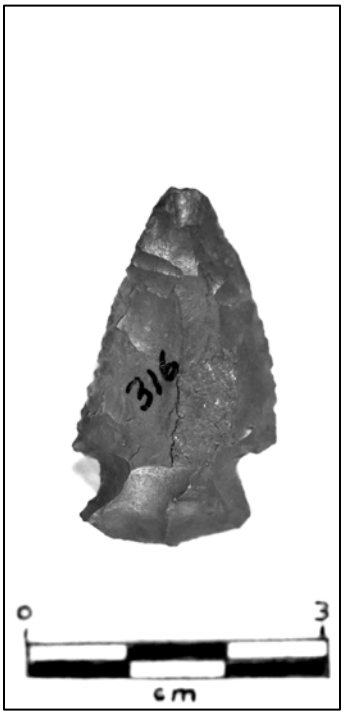
LV314

LV312 Reverse

LV313 Reverse

LV314 Reverse

LV315



LV316

LV317

LV315 Reverse

LV316 Reverse

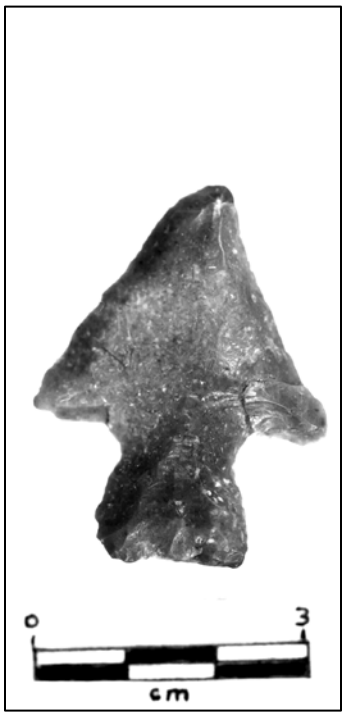
LV317 Reverse

LV318

LV319

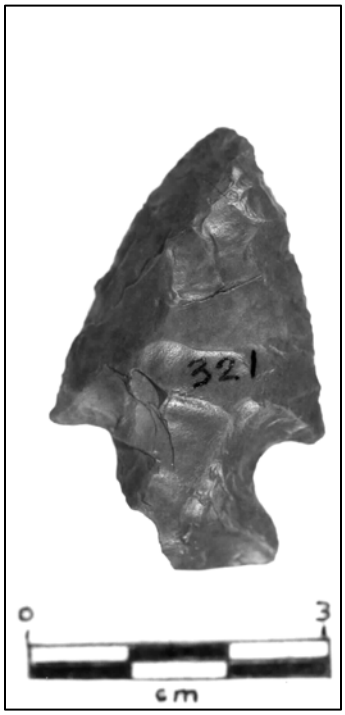
LV320

LV318 Reverse



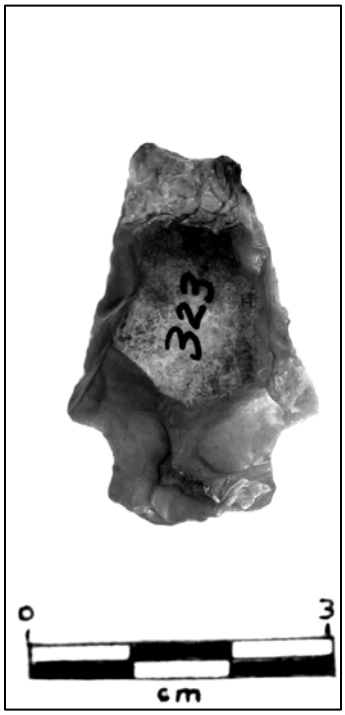
LV319 Reverse

LV320 Reverse



LV321

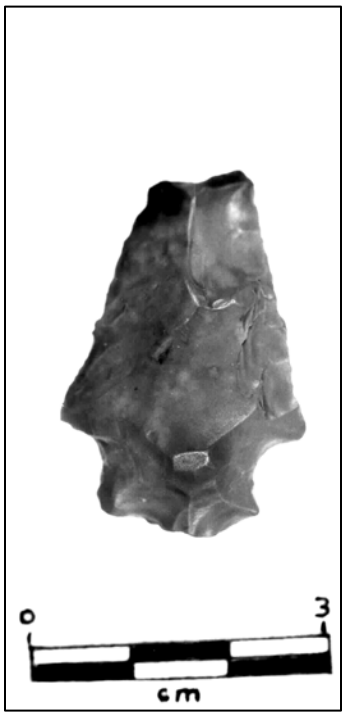
LV322



LV323

LV321 Reverse

LV322 Reverse



LV323 Reverse

LV324

LV325

LV326

LV324 Reverse

LV325 Reverse

LV326 Reverse

LV327

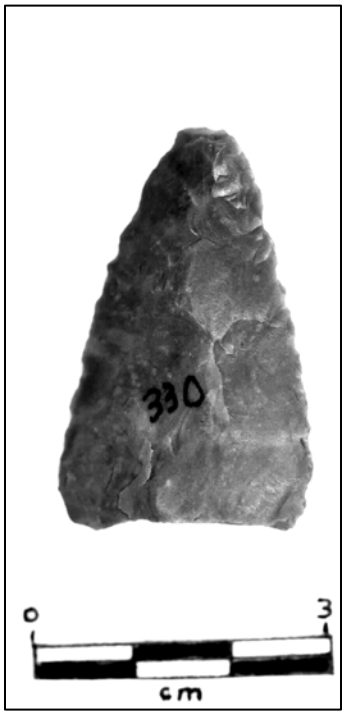
LV328

LV329

LV327 Reverse

LV328 Reverse

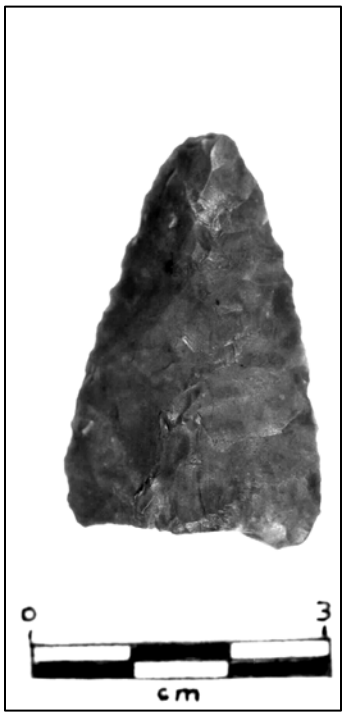
LV329 Reverse



LV330

LV331

LV332



LV330 Reverse

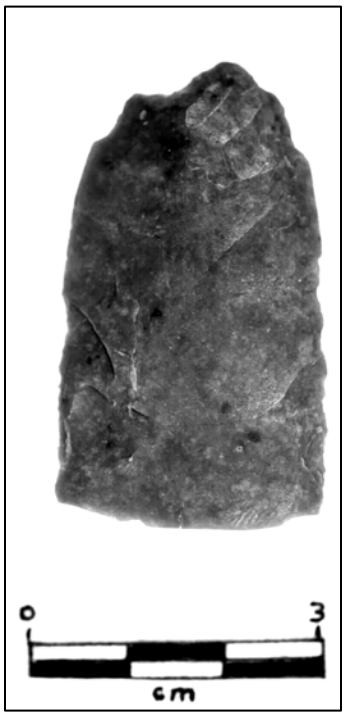
LV331 Reverse

LV332 Reverse

LV333

LV334

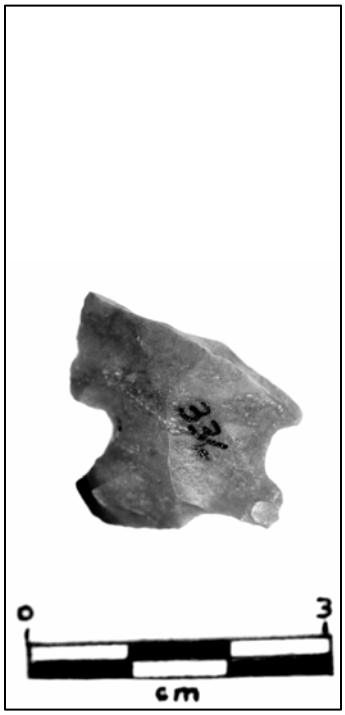
LV335



LV333 Reverse

LV334 Reverse

LV335 Reverse



LV336

LV337

LV338

LV336 Reverse

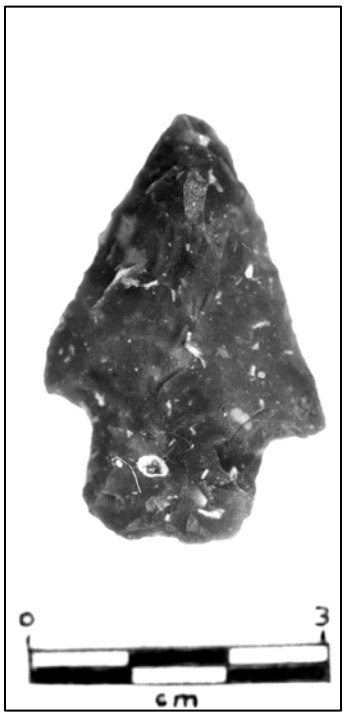
LV337 Reverse

LV338 Reverse

LV339

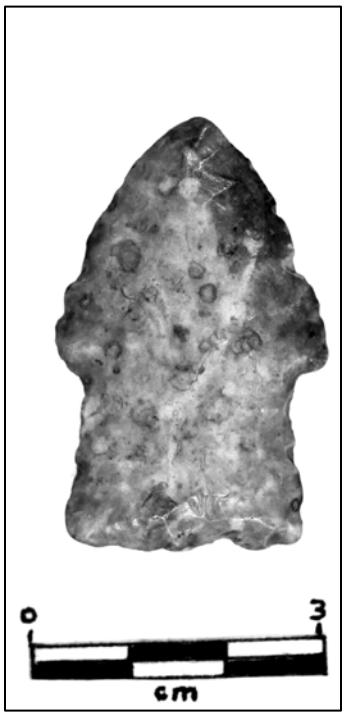
LV340

LV341



LV339 Reverse

LV340 Reverse



LV341 Reverse

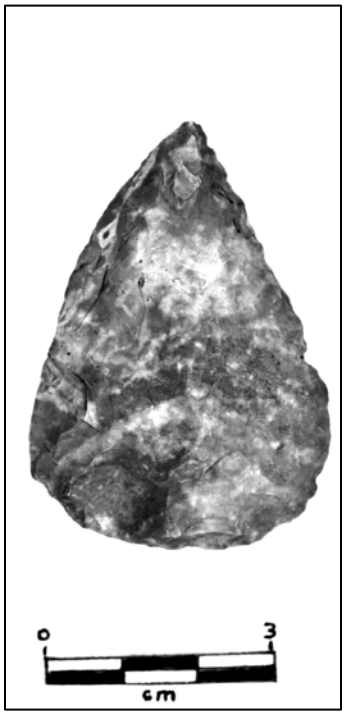
LV342

LV343

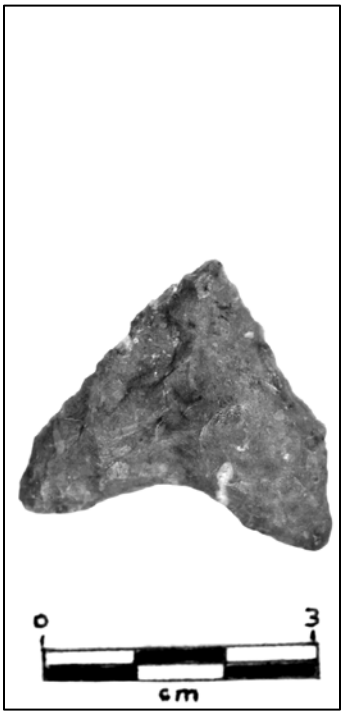
LV342 Reverse

LV343 Reverse

LV344



LV345



LV344 Reverse

LV345 Reverse

TN1

TN2

TN3

TN1 Reverse

TN2 Reverse

TN3 Reverse

TN4

TN5

TN6

TN4 Reverse

TN5 Reverse

TN6 Reverse

TN7

TN8

TN9

TN7 Reverse

TN8 Reverse

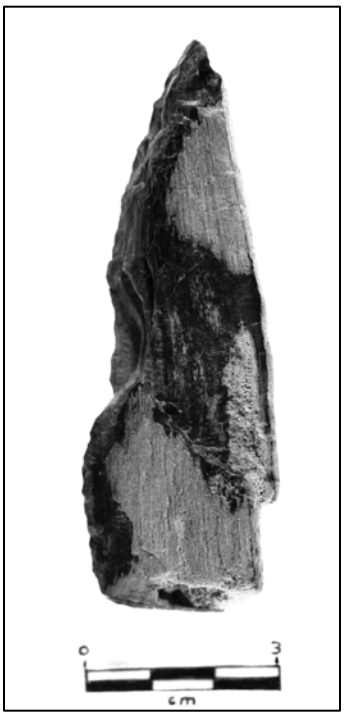
TN9 Reverse

TN10

TN11

TN12

TN10 Reverse



TN11 Reverse

TN12 Reverse

TN13

TN14

TN15

TN13 Reverse

TN14 Reverse

TN15 Reverse

TN16

TN17

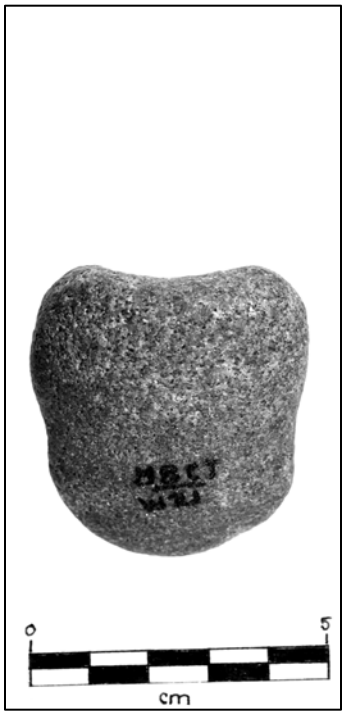
TN19

TN16 Reverse

TN17 Reverse

TN19 Reverse

TN20



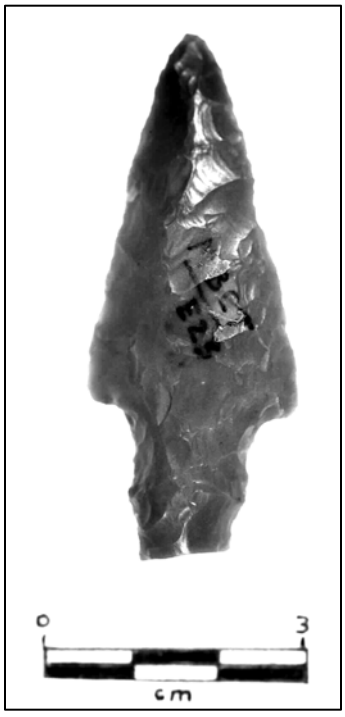
TN21

TN22

TN20 Reverse

TN21 Reverse

TN22 Reverse



TN23

TN24

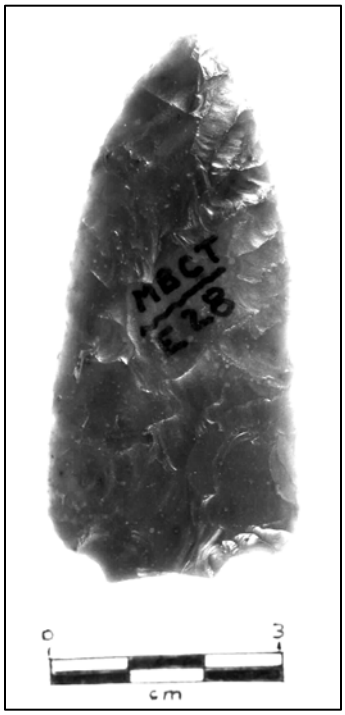
TN25

TN23 Reverse

TN24 Reverse

TN25 Reverse

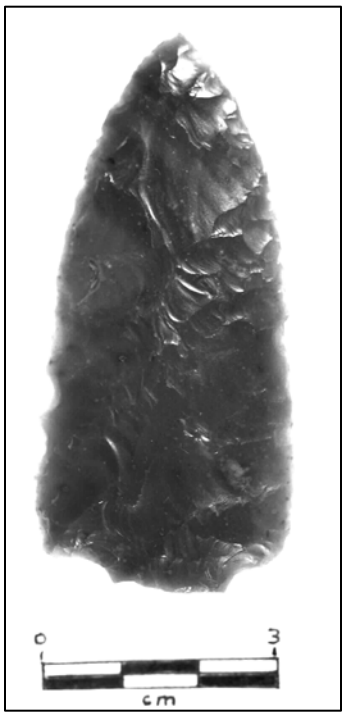
TN26



TN28

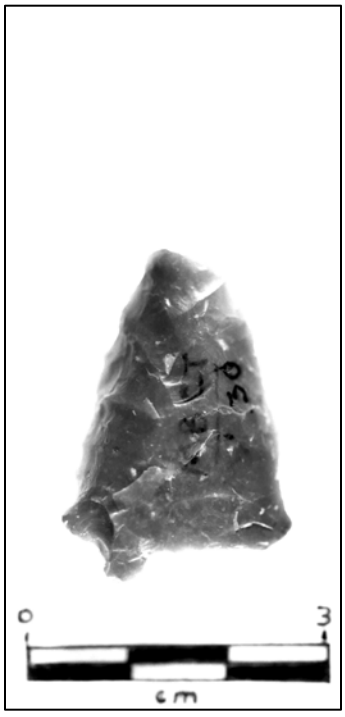
TN29

TN26 Reverse



TN28 Reverse

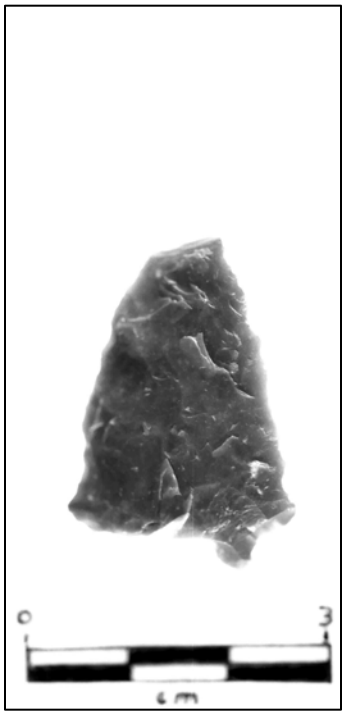
TN29 Reverse



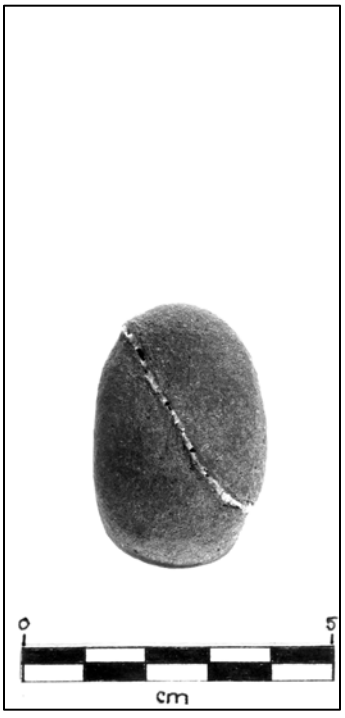
TN30

TN31

TN32



TN30 Reverse



TN31 Reverse

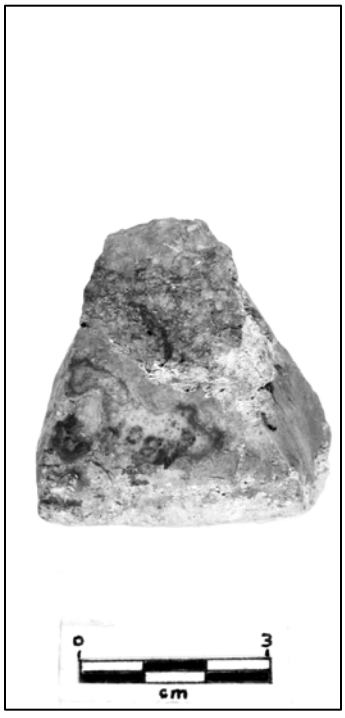
TN32 Reverse

TN33

TN34

TN36

TN33 Reverse

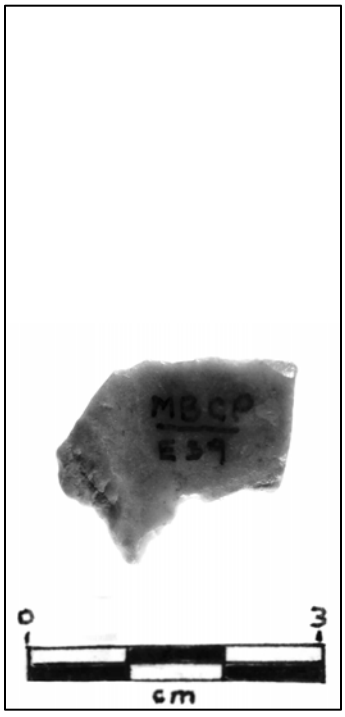


TN34 Reverse

TN36 Reverse

TN37

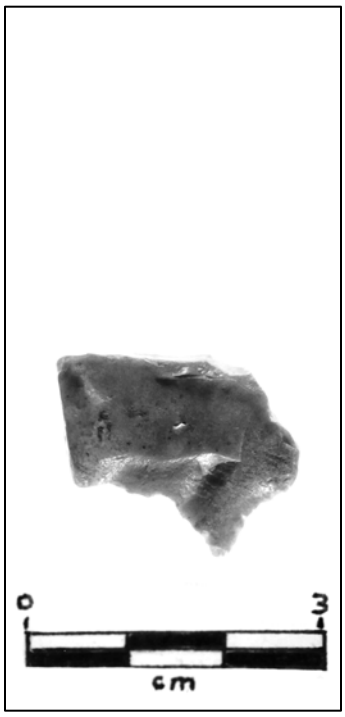
TN38



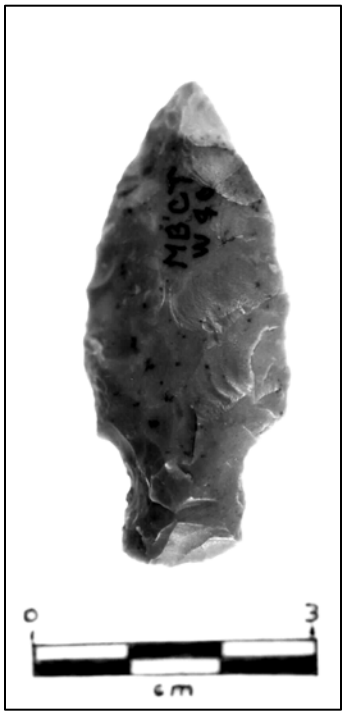
TN39

TN37 Reverse

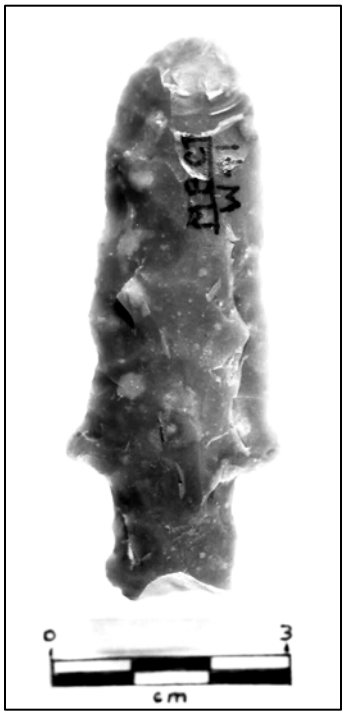
TN38 Reverse



TN39 Reverse

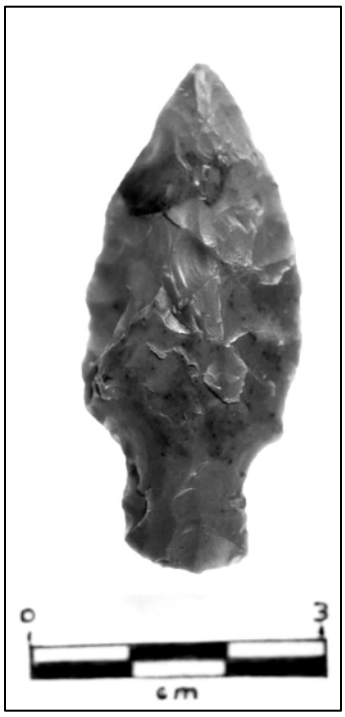


TN40

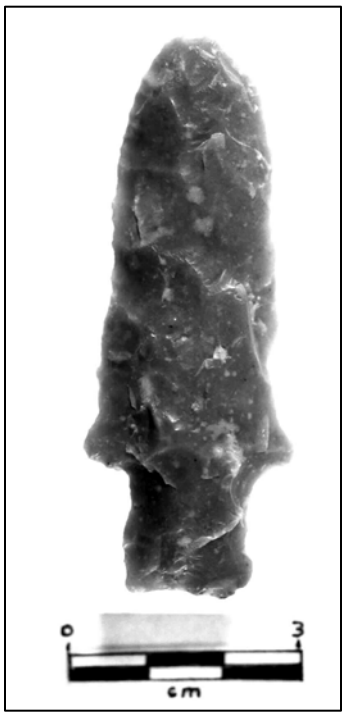


TN41

TN42



TN40 Reverse



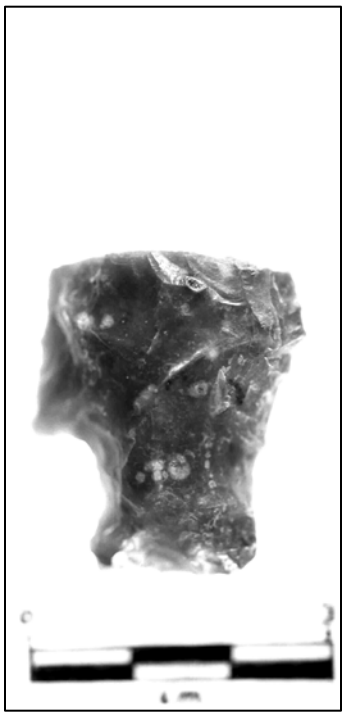
TN41 Reverse

TN42 Reverse

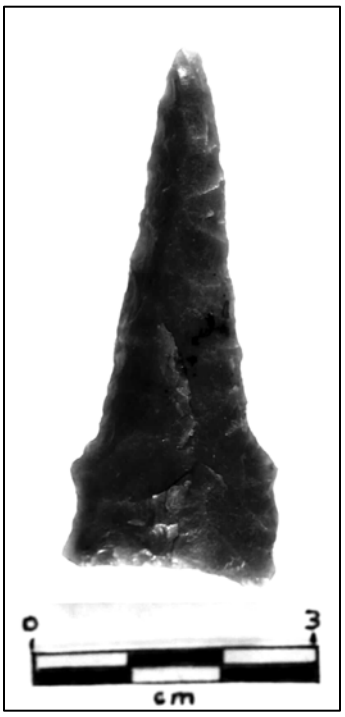
TN43

TN44

TN45



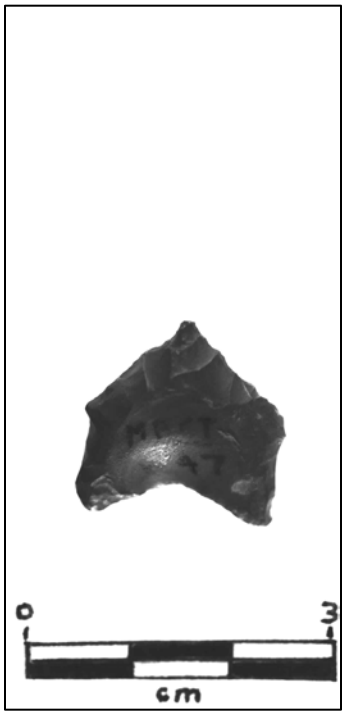
TN43 Reverse



TN44 Reverse

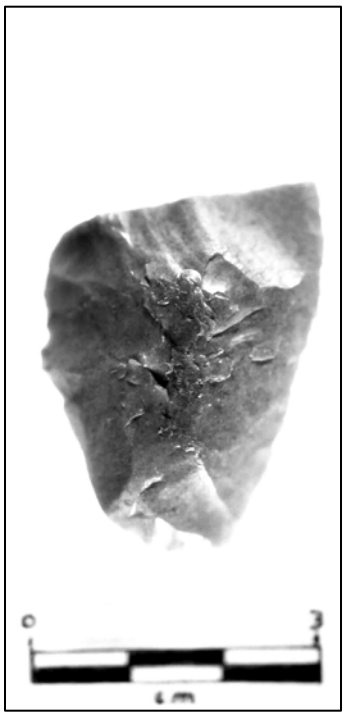
TN45 Reverse

TN46

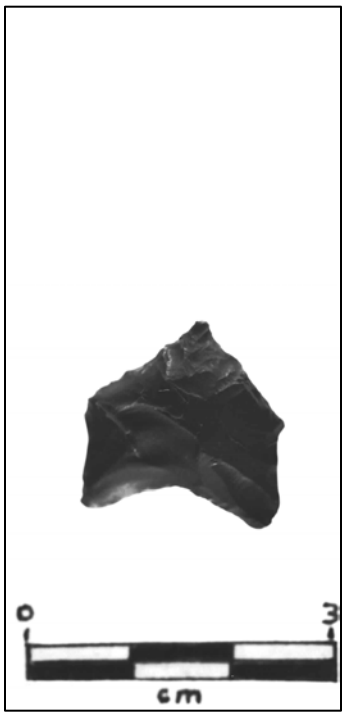


TN47

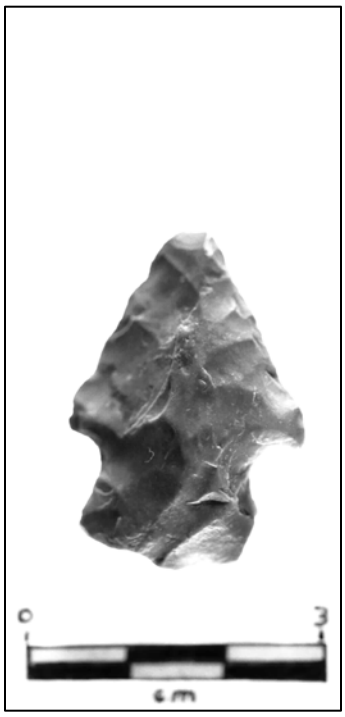
TN48



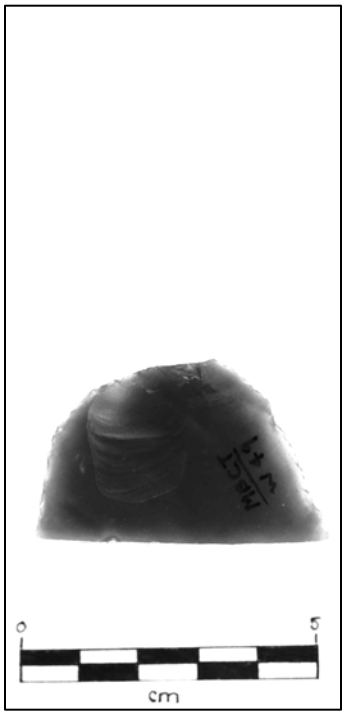
TN46 Reverse



TN47 Reverse

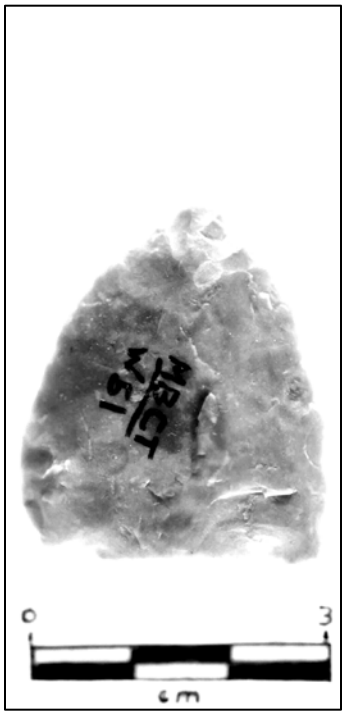


TN48 Reverse

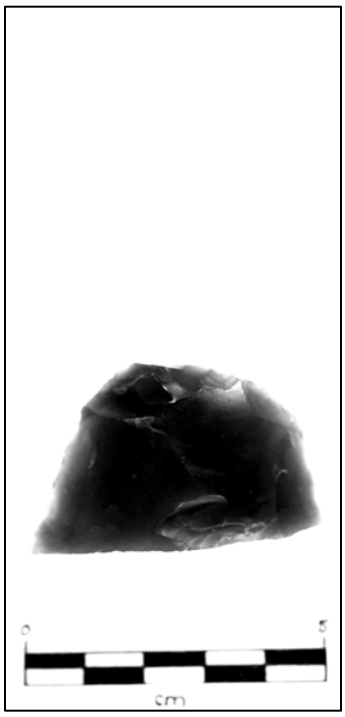


TN49

TN50

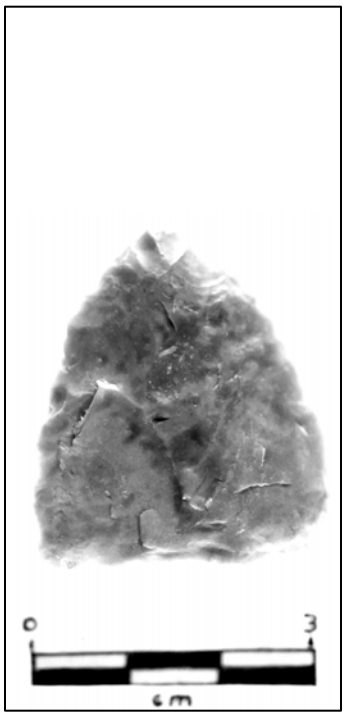


TN51



TN49 Reverse

TN50 Reverse



TN51 Reverse

TN52

TN53

TN54

TN52 Reverse

TN53 Reverse

TN54 Reverse

TN55

TN56

TN57

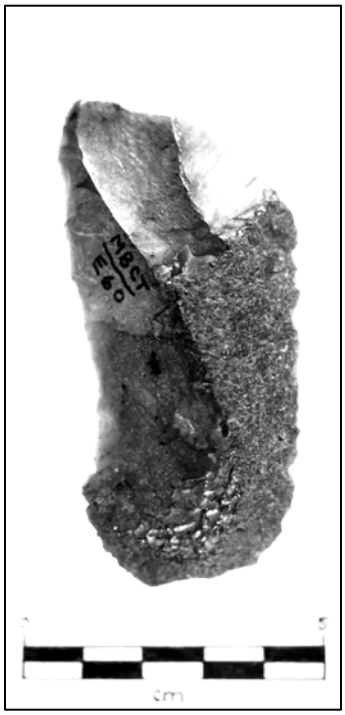
TN55 Reverse

TN56 Reverse

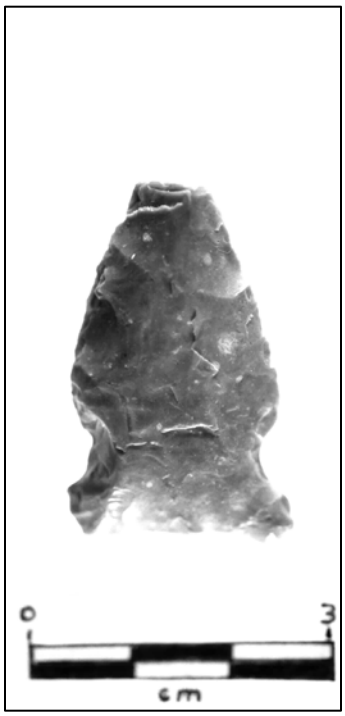
TN57 Reverse

TN58

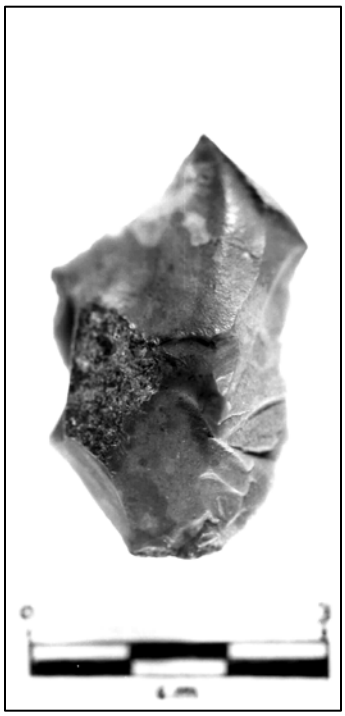
TN59



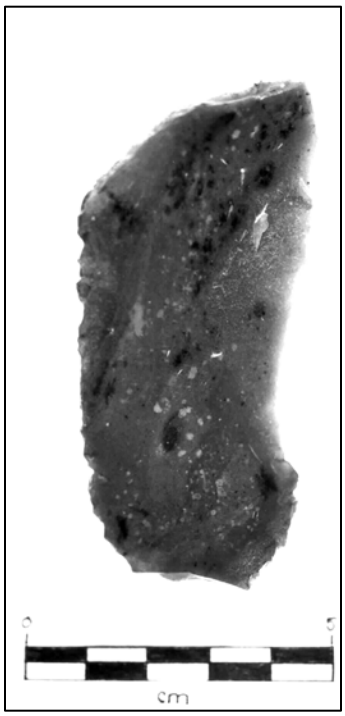
TN60



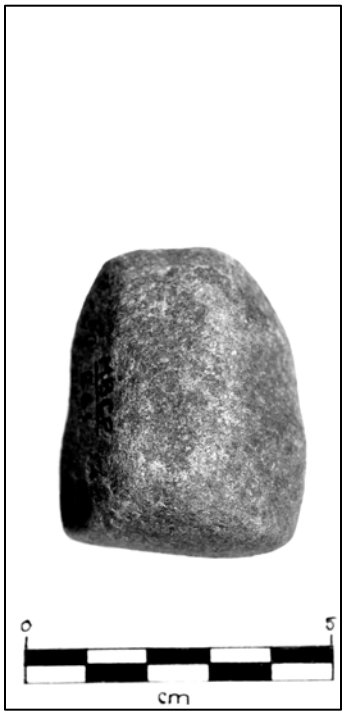
TN58 Reverse



TN59 Reverse



TN60 Reverse



TN61

TN62

TN63

TN61 Reverse

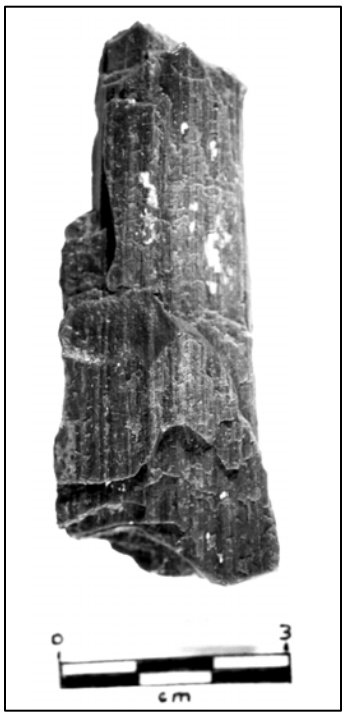
TN62 Reverse

TN63 Reverse

TN64

TN65

TN66

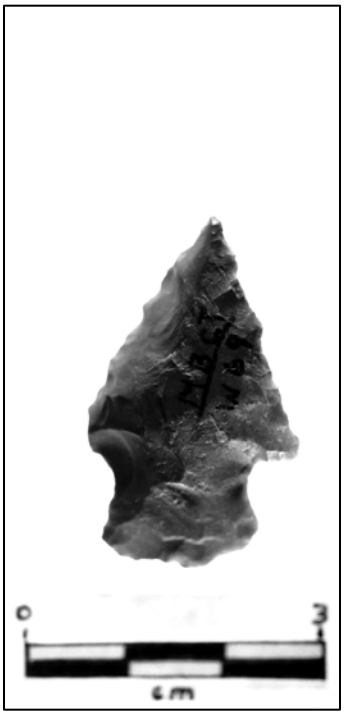


TN64 Reverse

TN65 Reverse

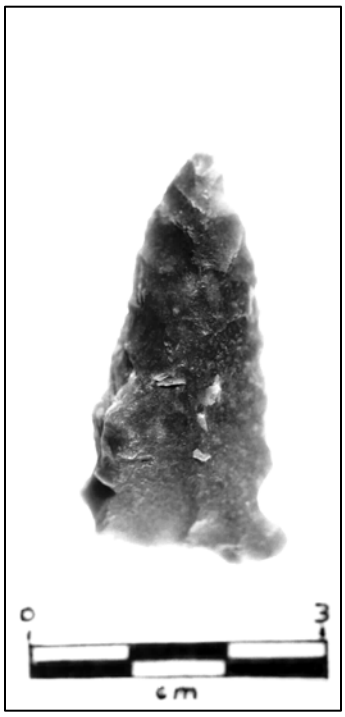
TN66 Reverse

TN67



TN69

TN70



TN67 Reverse

TN69 Reverse

TN70 Reverse

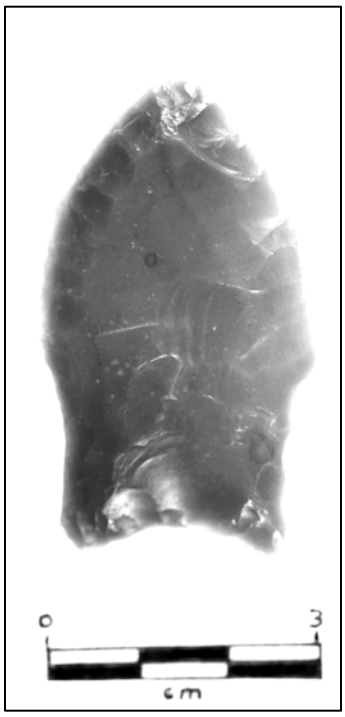
TN71

TN73

TN74

TN71 Reverse

TN73 Reverse



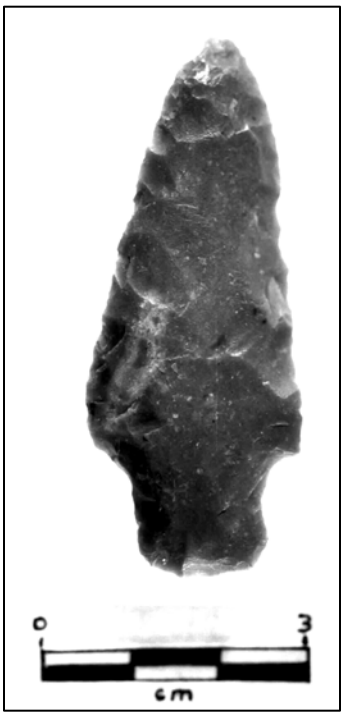
TN74 Reverse

TN75

TN76

TN77

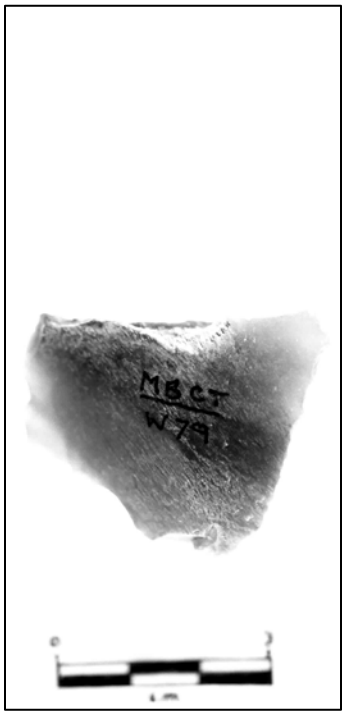
TN75 Reverse



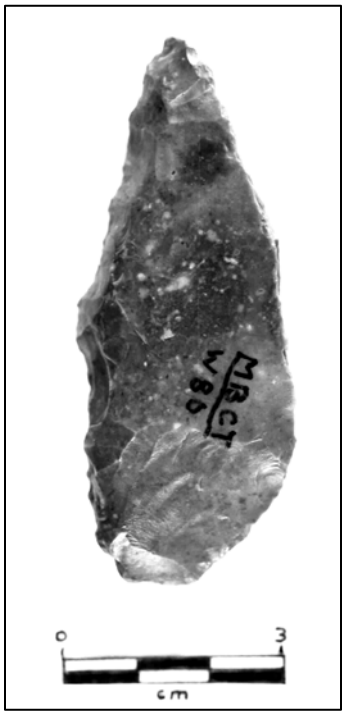
TN76 Reverse

TN77 Reverse

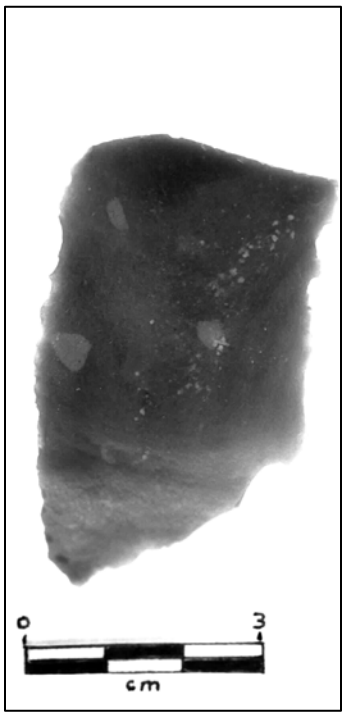
TN78



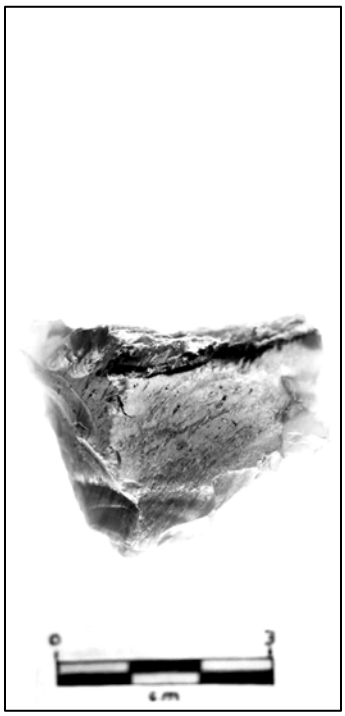
TN79



TN80

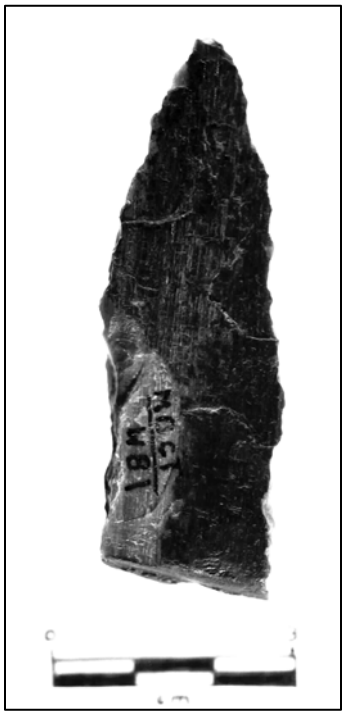


TN78 Reverse



TN79 Reverse

TN80 Reverse



TN81

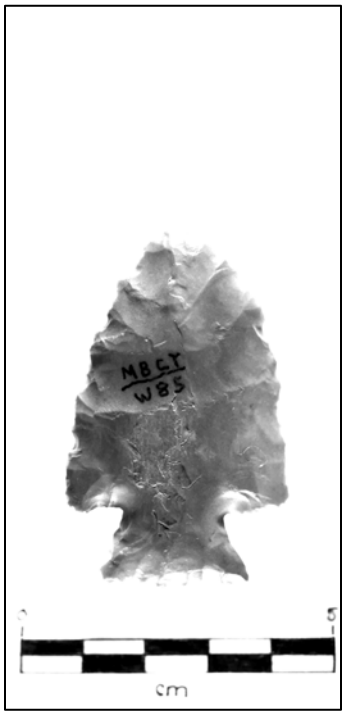
TN83

TN84

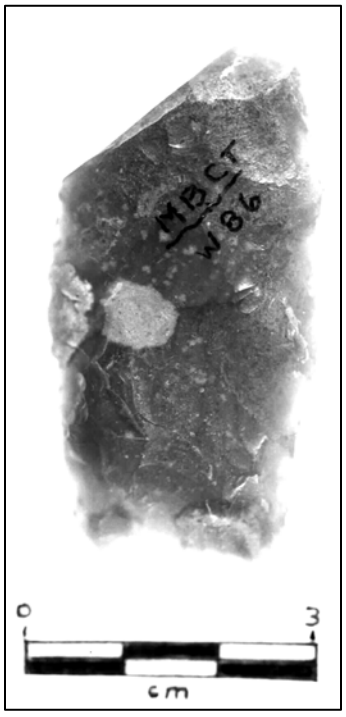
TN81 Reverse

TN83 Reverse

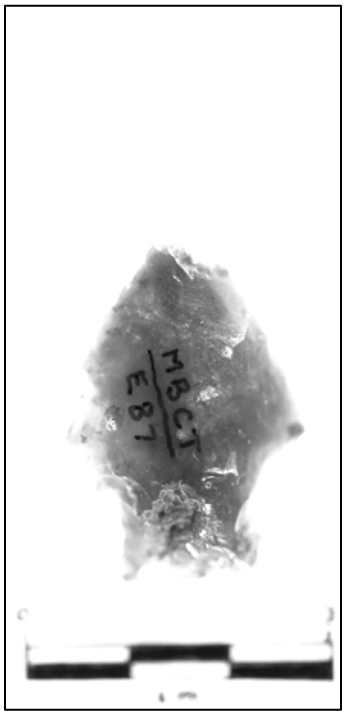
TN84 Reverse



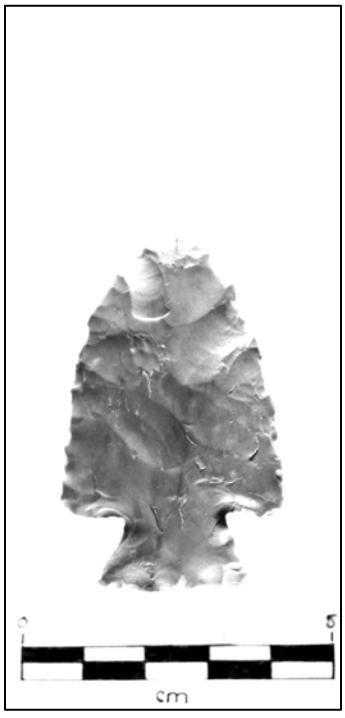
TN85



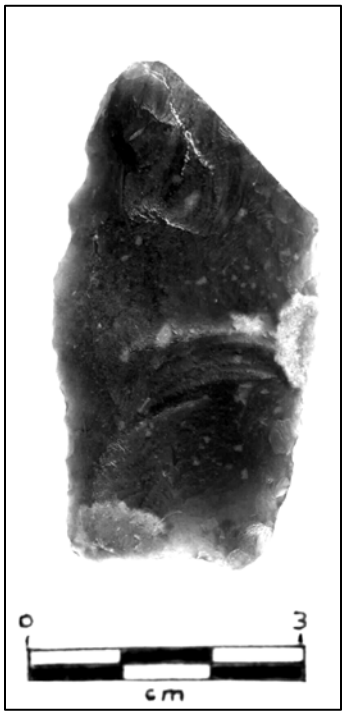
TN86



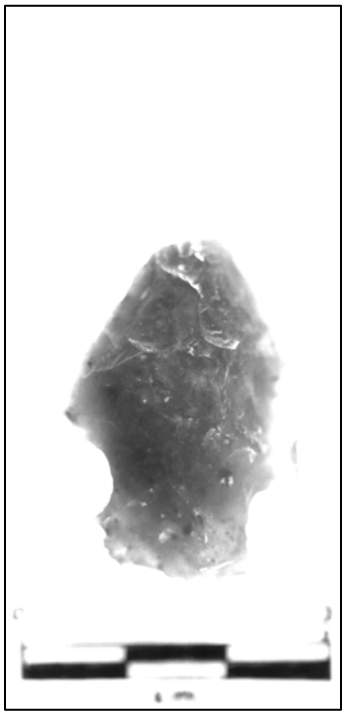
TN87



TN85 Reverse



TN86 Reverse

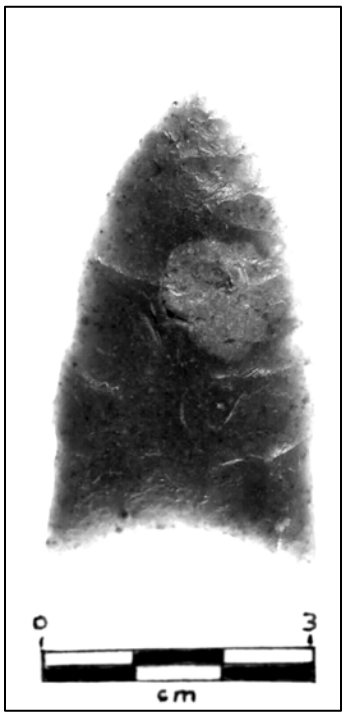


TN87 Reverse

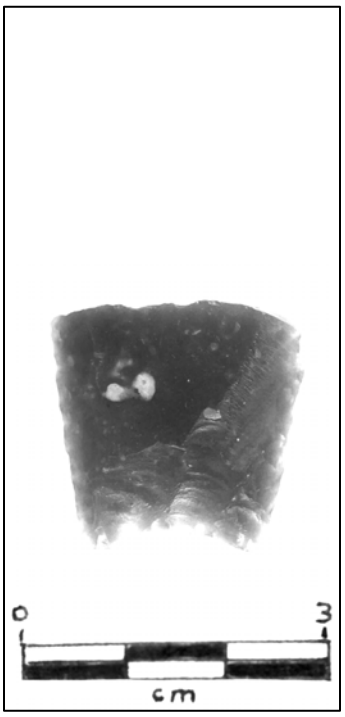
TN88

TN89

TN90



TN88 Reverse

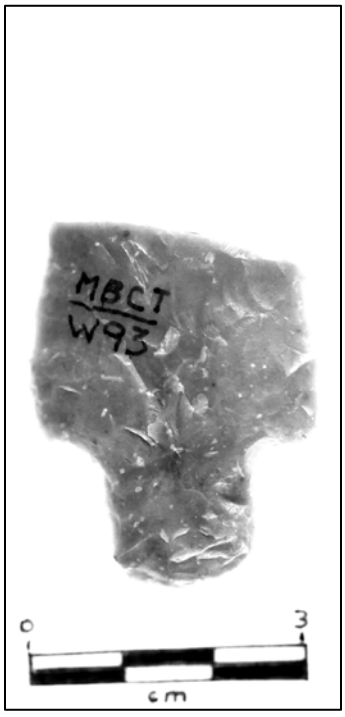


TN89 Reverse

TN90 Reverse

TN91

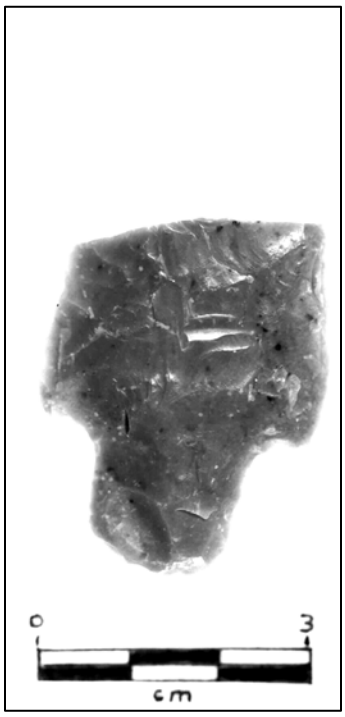
TN92



TN93

TN91 Reverse

TN92 Reverse



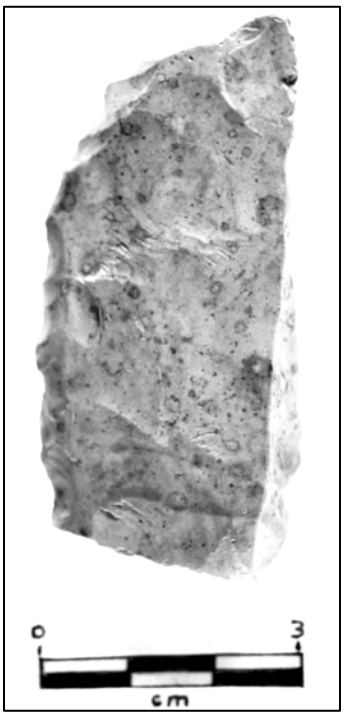
TN93 Reverse

TN94

TN95

TN96

TN94 Reverse



TN95 Reverse

TN96 Reverse

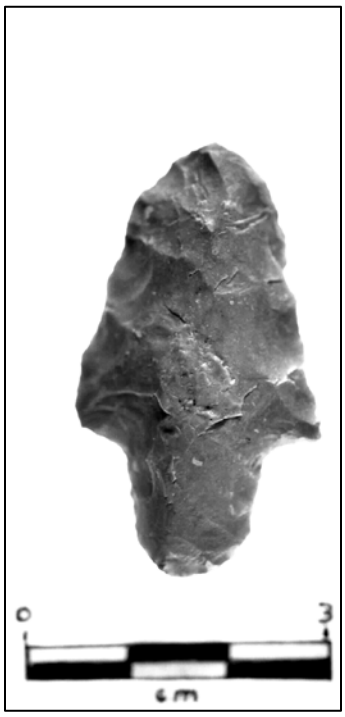
TN98

TN98A

TN99

TN98 Reverse

TN98A Reverse

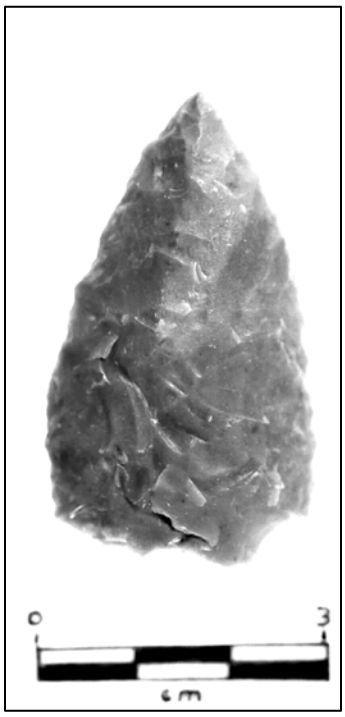


TN99 Reverse

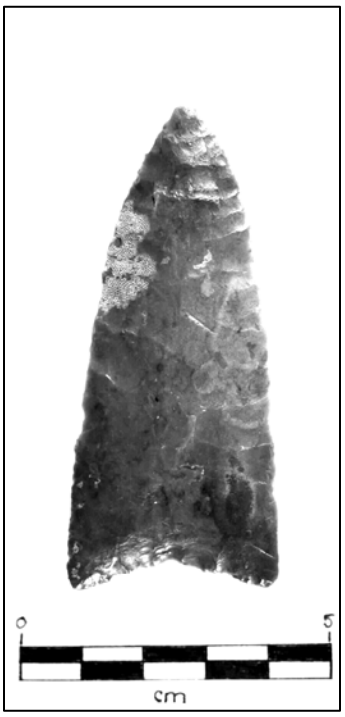
TN100

TN101

TN102



TN100 Reverse



TN101 Reverse

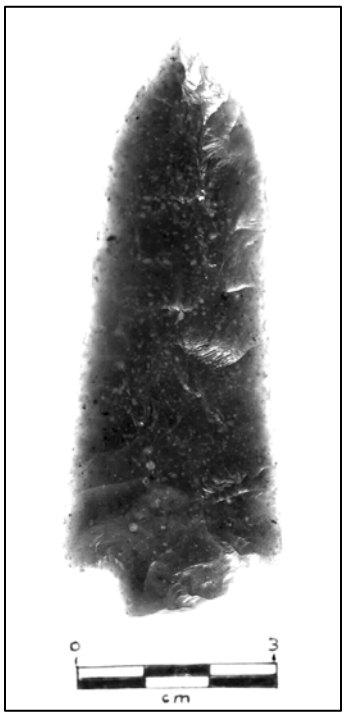
TN102 Reverse

TN103

TN104

TN105

TN103 Reverse



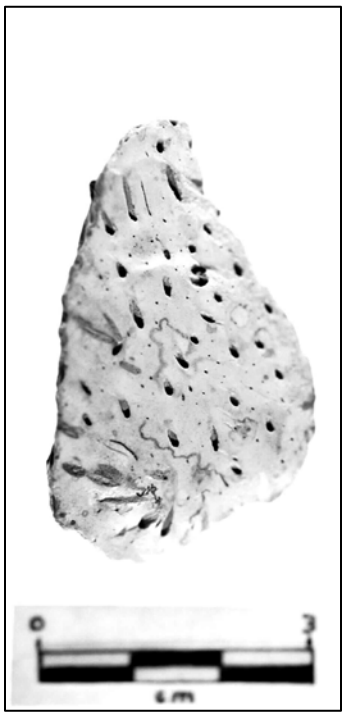
TN104 Reverse

TN105 Reverse

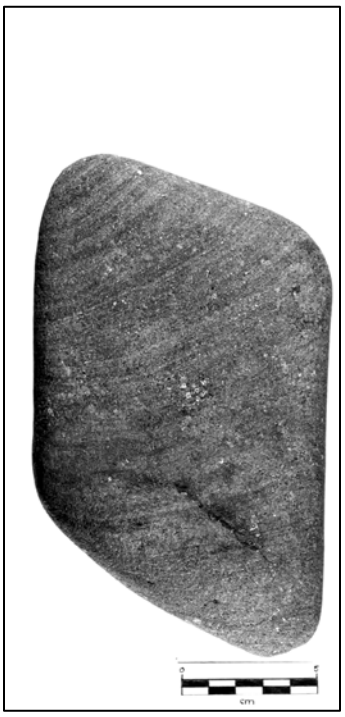
TN106

TN107

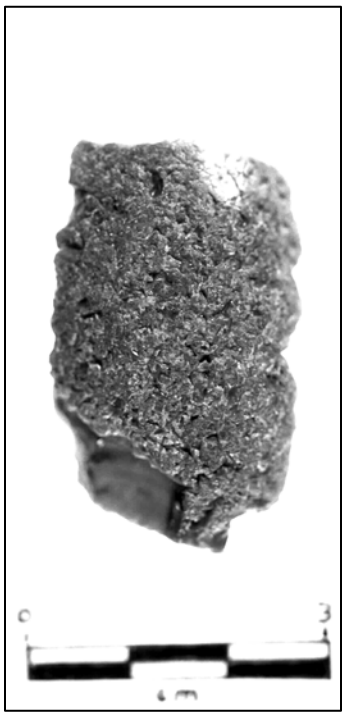
TN108



TN106 Reverse



TN107 Reverse

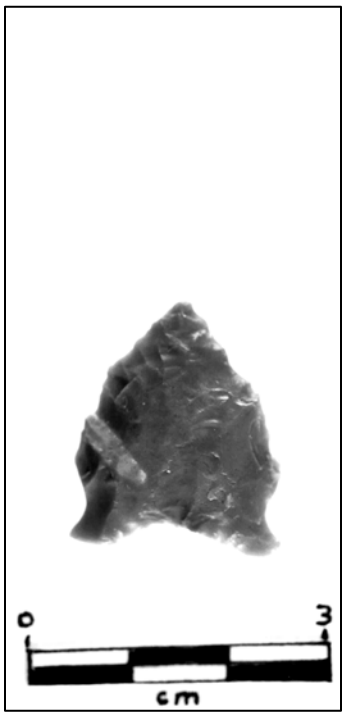


TN108 Reverse

TN109

TN110

TN111

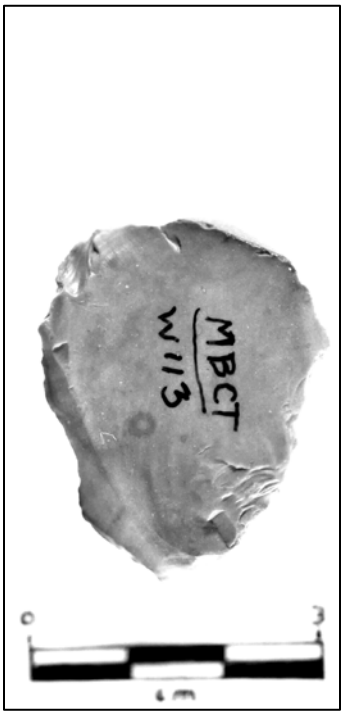


TN109 Reverse

TN110 Reverse

TN111 Reverse

TN112

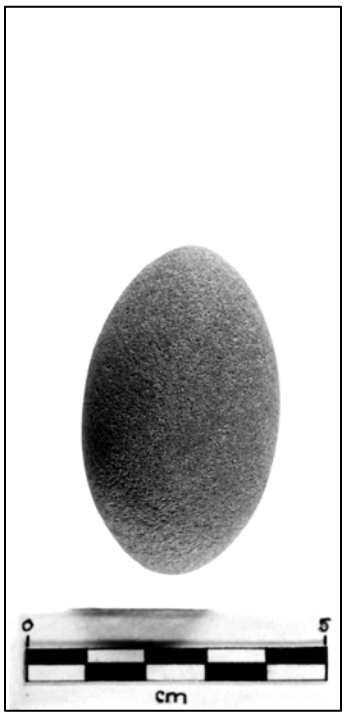


TN113

TN114

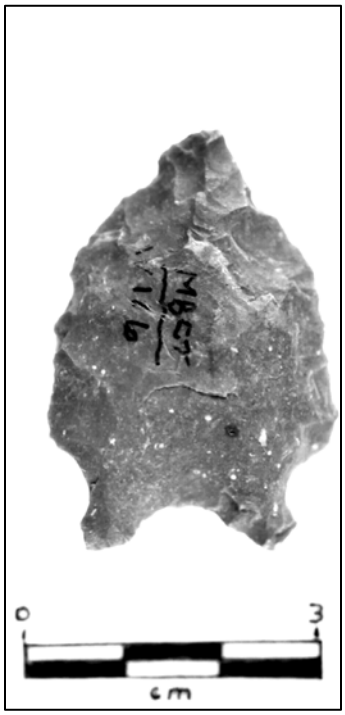
TN112 Reverse

TN113 Reverse



TN114 Reverse

TN115



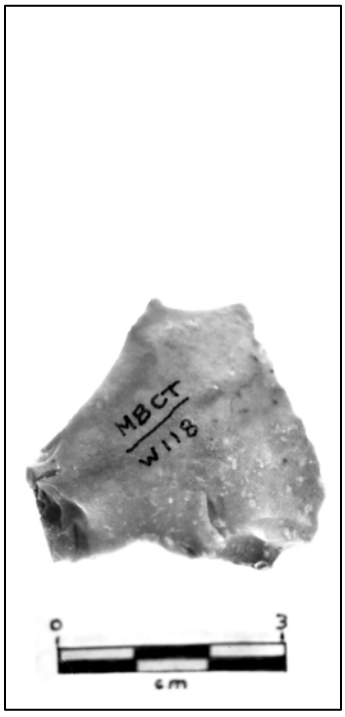
TN116

TN117

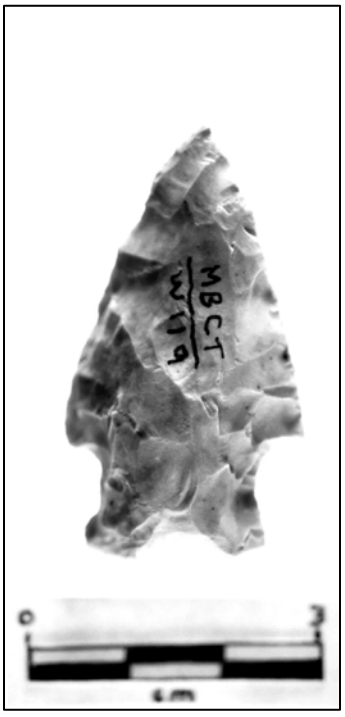
TN115 Reverse

TN116 Reverse

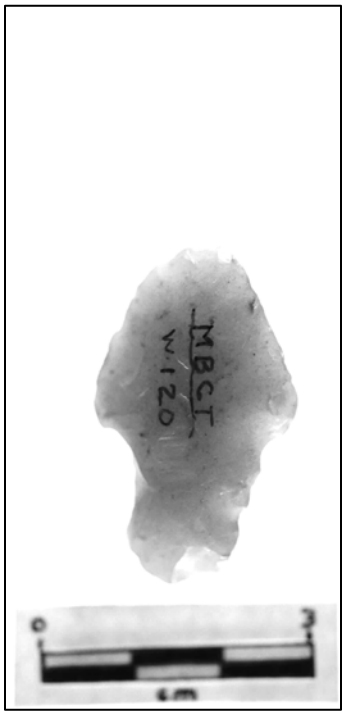
TN117 Reverse



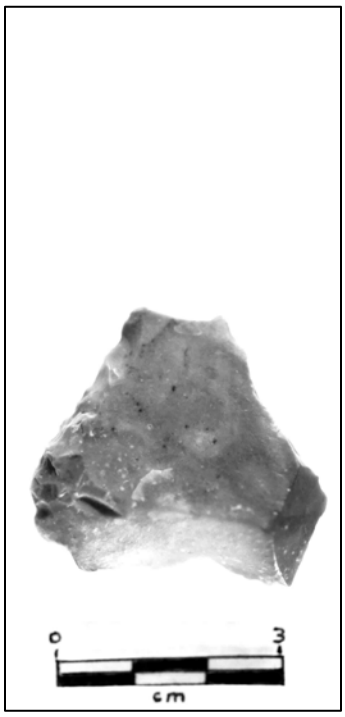
TN118



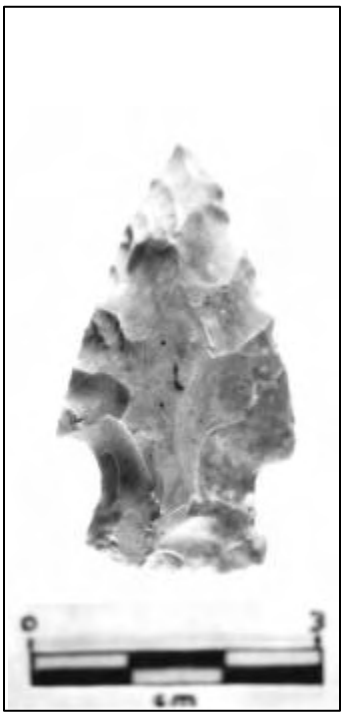
TN119



TN120



TN118 Reverse



TN119 Reverse

TN120 Reverse

TN121

TN122

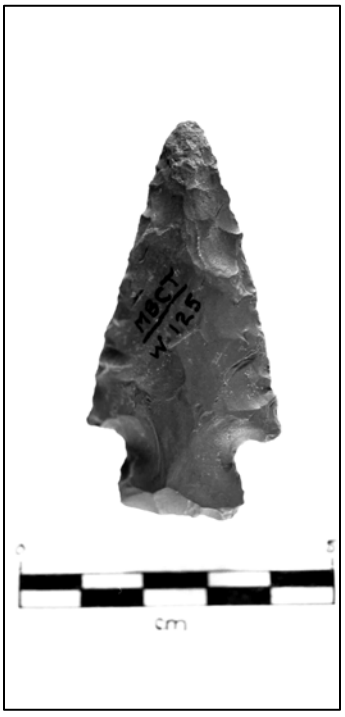
TN123

TN121 Reverse

TN122 Reverse

TN123 Reverse

TN124

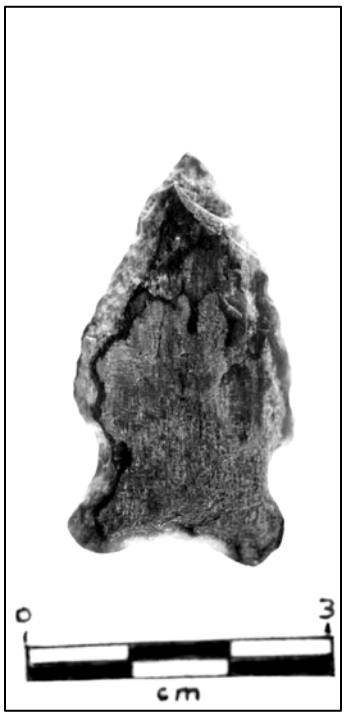


TN125

TN126

TN124 Reverse

TN125 Reverse



TN126 Reverse

TN127

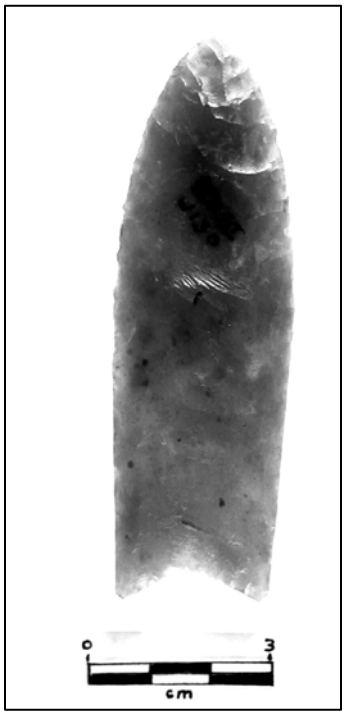
TN128

TN129

TN127 Reverse

TN128 Reverse

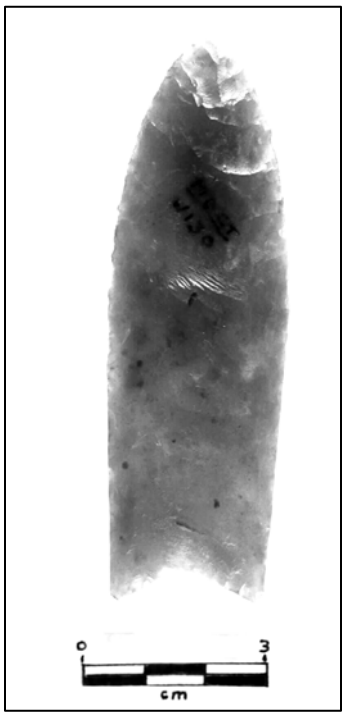
TN129 Reverse



TN130

TN131

TN132

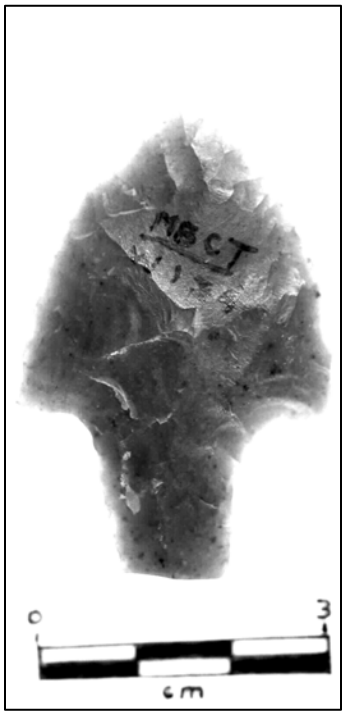


TN130 Reverse

TN131 Reverse

TN132 Reverse

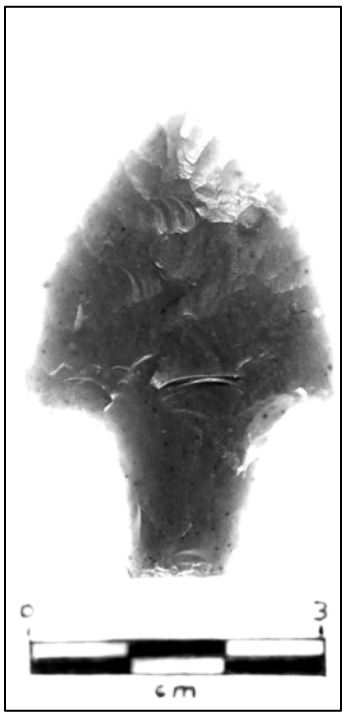
TN133



TN134

TN135

TN133 Reverse



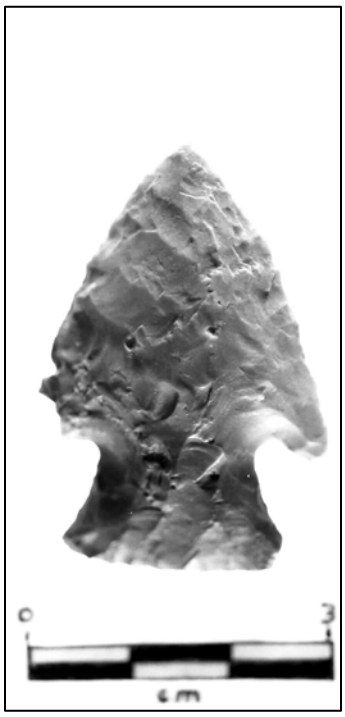
TN134 Reverse

TN135 Reverse

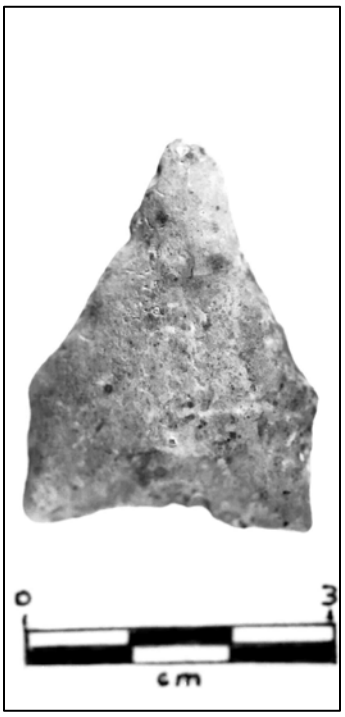
TN136

TN137

TN138

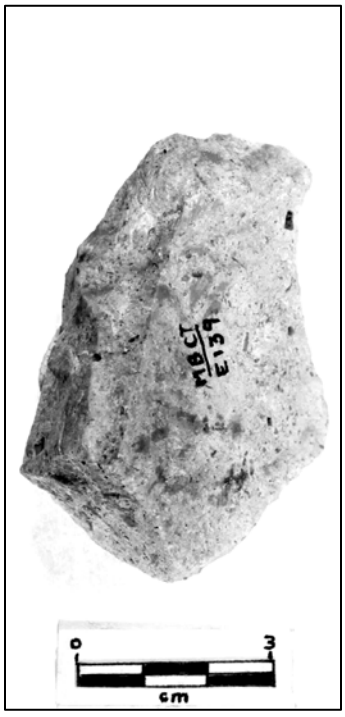


TN136 Reverse



TN137 Reverse

TN138 Reverse

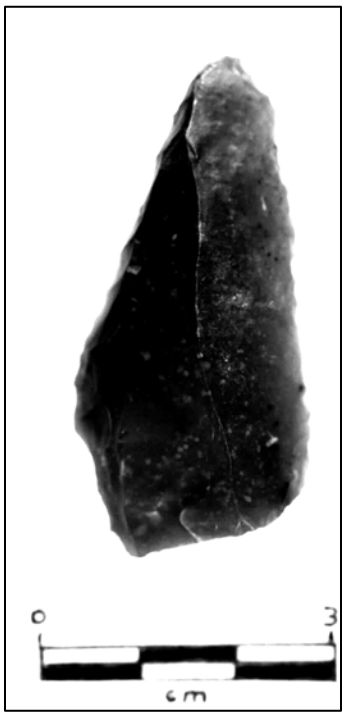


TN139

TN140

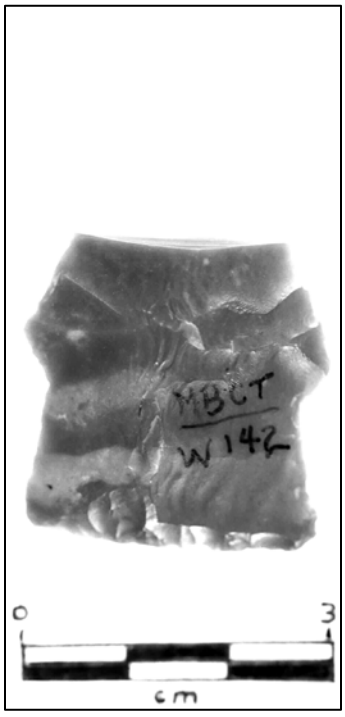
TN141

TN139 Reverse



TN140 Reverse

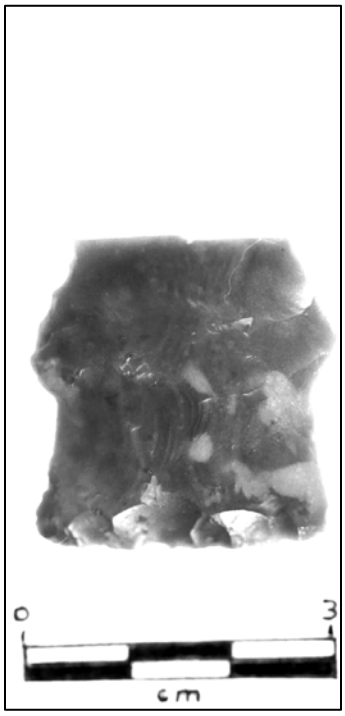
TN141 Reverse



TN142

TN143

TN144

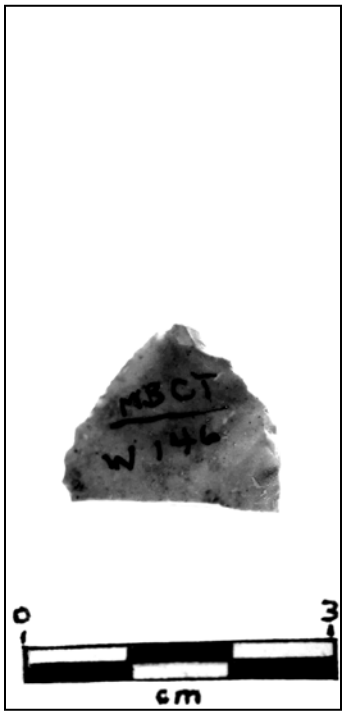


TN142 Reverse

TN143 Reverse

TN144 Reverse

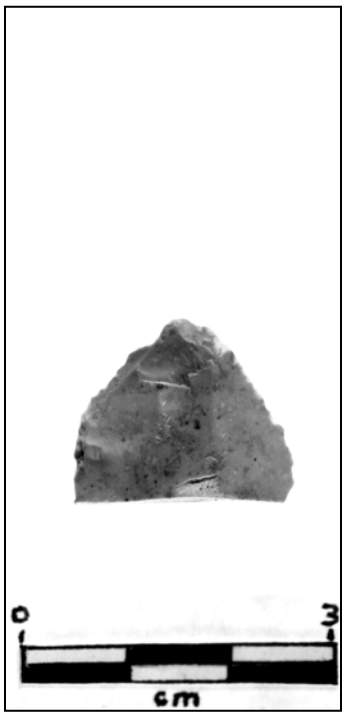
TN145



TN146

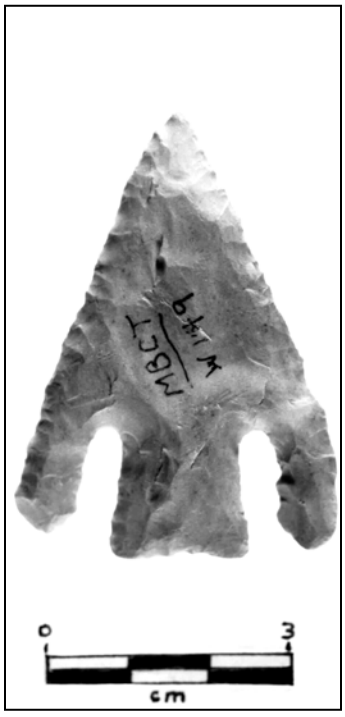
TN148

TN145 Reverse

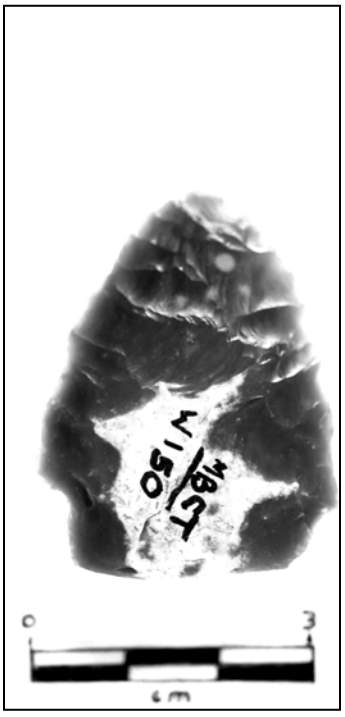


TN146 Reverse

TN148 Reverse



TN149

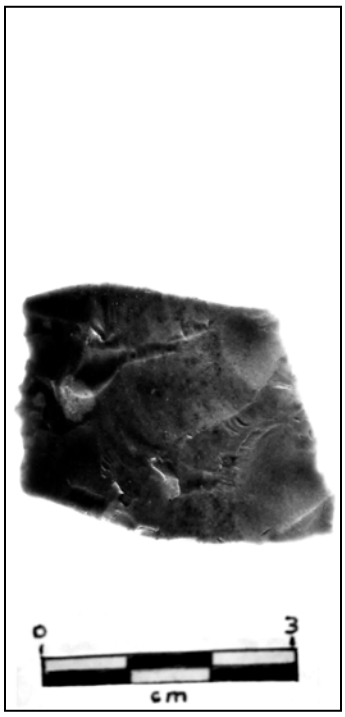


TN150

TN151

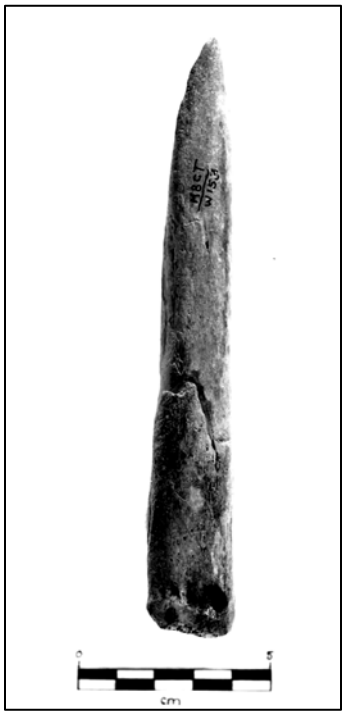
TN149 Reverse

TN150 Reverse

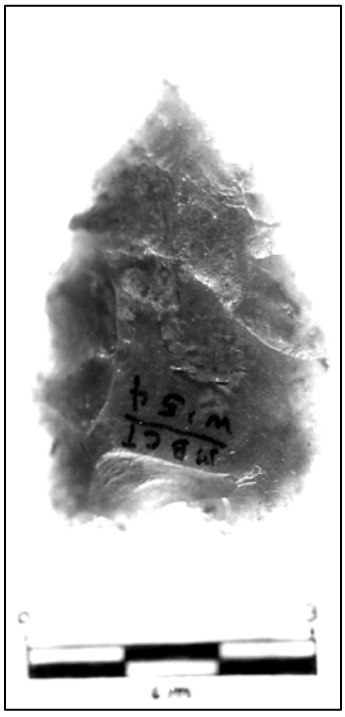


TN151 Reverse

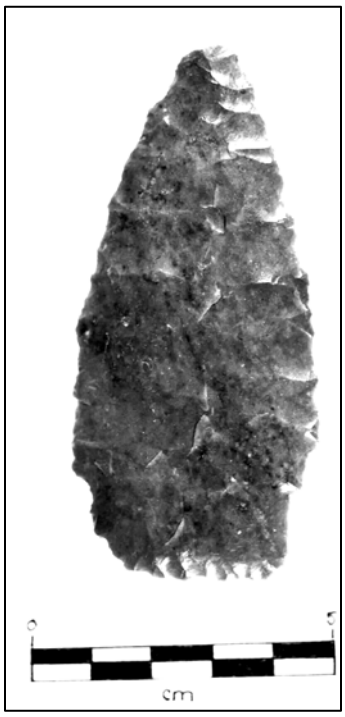
TN152



TN153

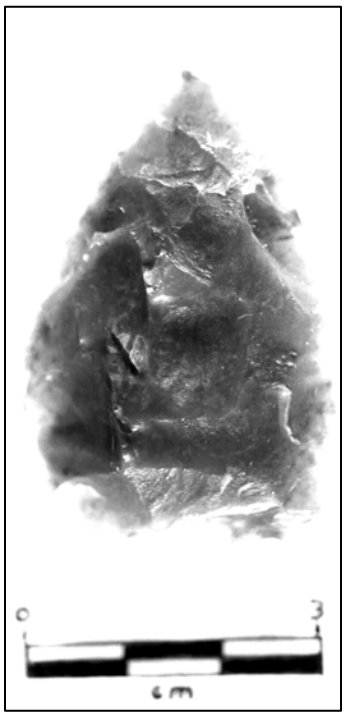


TN154



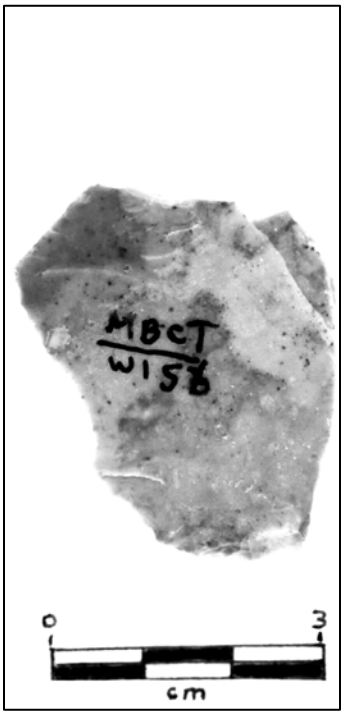
TN152 Reverse

TN153 Reverse



TN154 Reverse

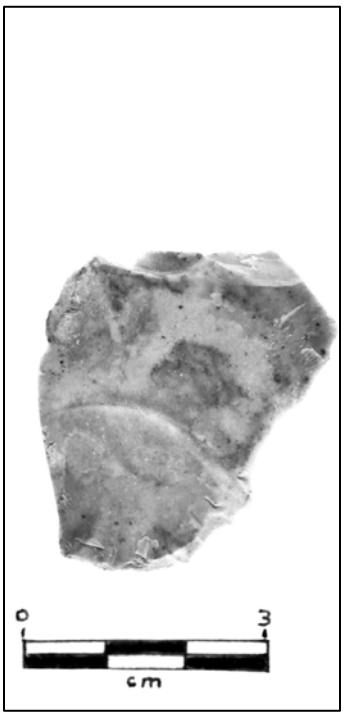
TN155



TN156

TN157

TN155 Reverse



TN156 Reverse

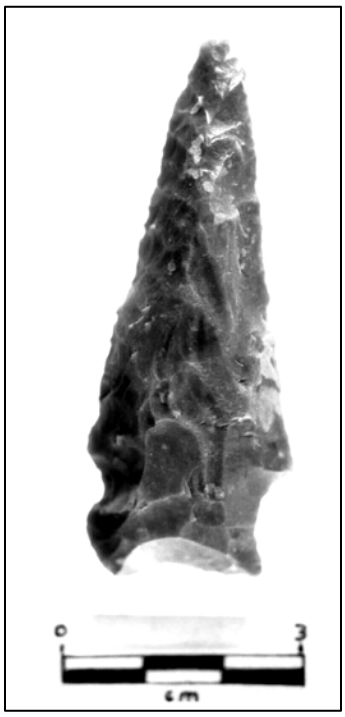
TN157 Reverse

TN158

TN159

TN160

TN158 Reverse



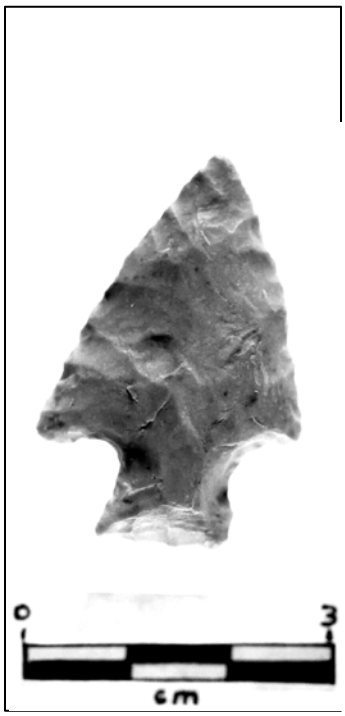
TN159 Reverse

TN160 Reverse

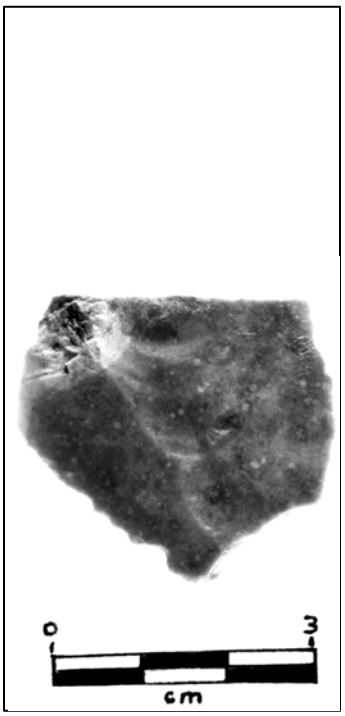
TN161

TN162

TN163



TN161 Reverse



TN162 Reverse

TN163 Reverse

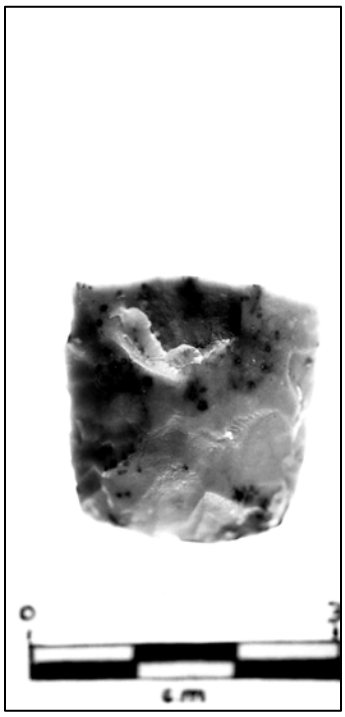
TN164

TN165

TN166

TN164 Reverse

TN165 Reverse



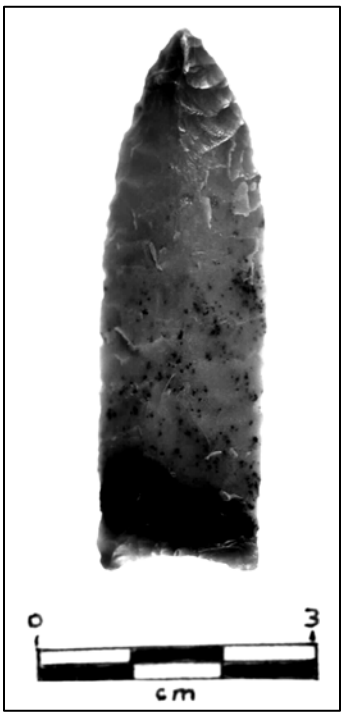
TN166 Reverse

TN167

TN168

TN169

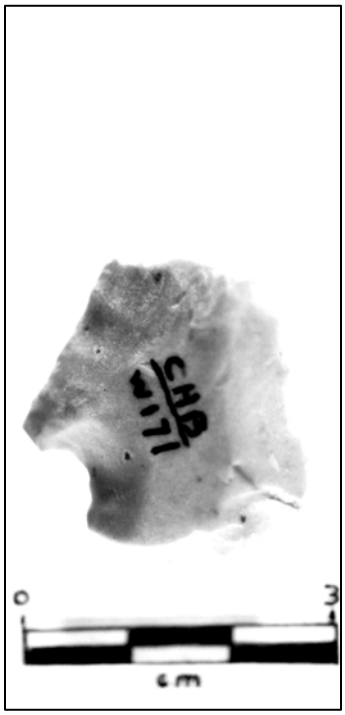
TN167 Reverse



TN168 Reverse

TN169 Reverse

TN170



TN171

TN172

TN170 Reverse

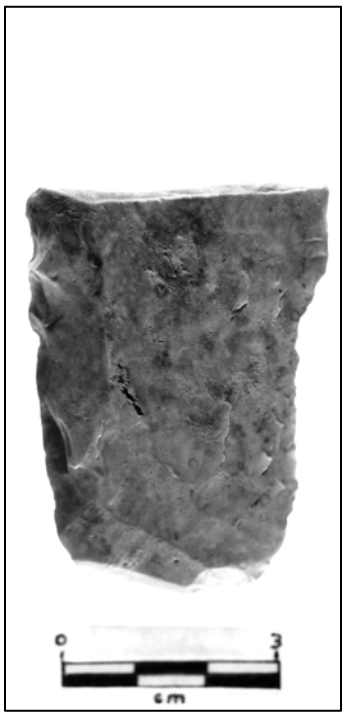
TN171 Reverse

TN172 Reverse

TN173

TN174

TN175



TN173 Reverse

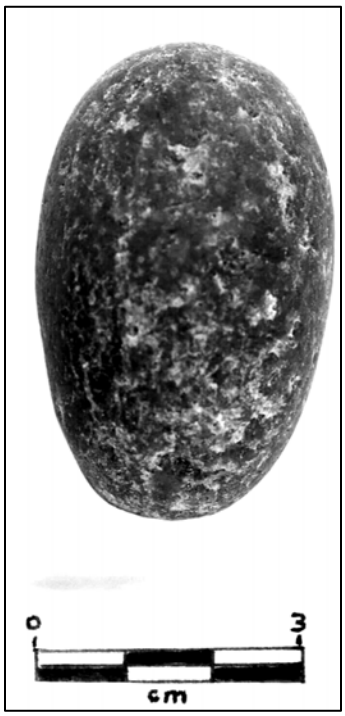
TN174 Reverse

TN175 Reverse

TN176

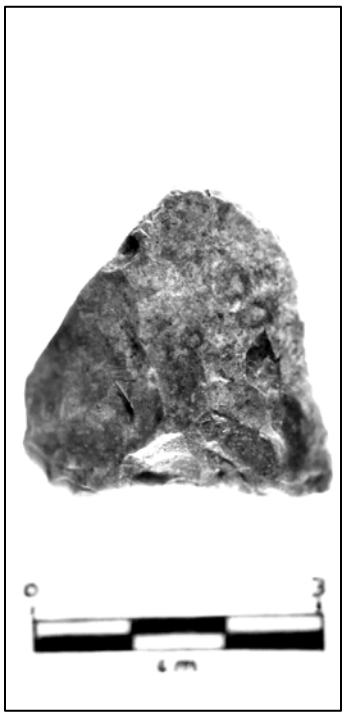
TN177

TN178



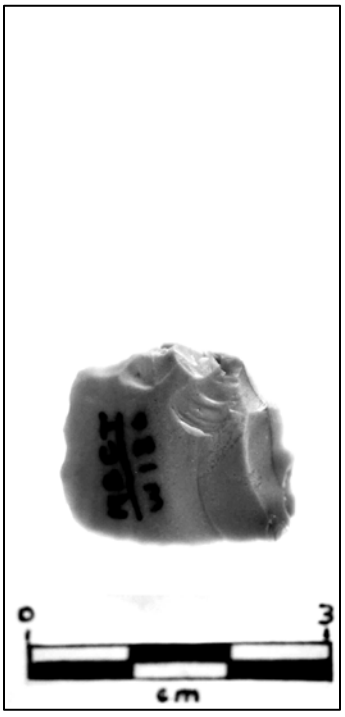
TN176 Reverse

TN177 Reverse



TN178 Reverse

TN179



TN180

TN181

TN179 Reverse

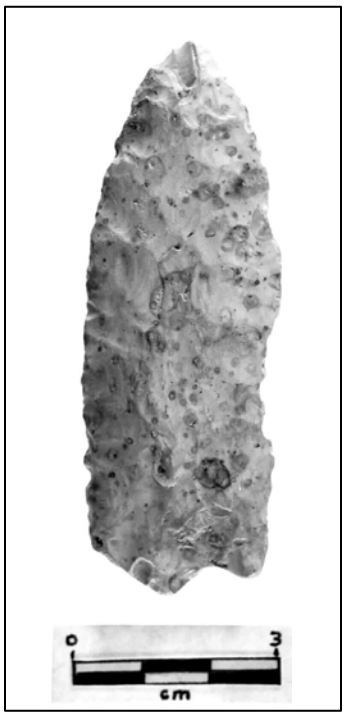
TN180 Reverse

TN181 Reverse

TN182

TN183

TN184

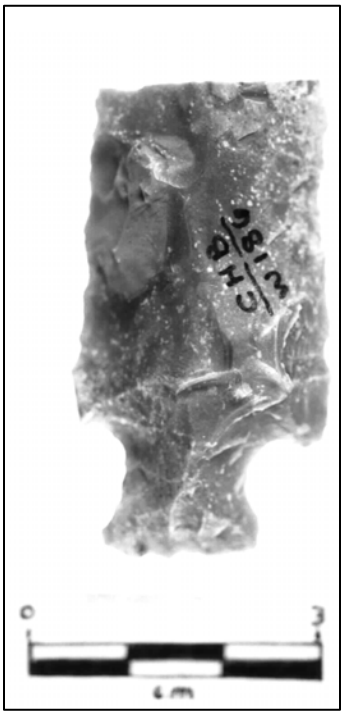


TN182 Reverse

TN183 Reverse

TN184 Reverse

TN185



TN186

TN187

TN185 Reverse

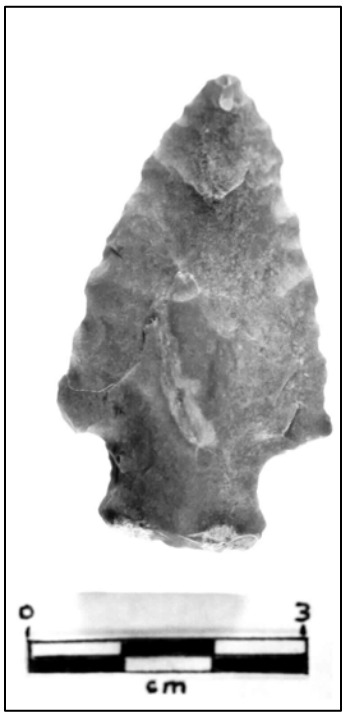
TN186 Reverse

TN187 Reverse

TN188

TN189

TN190



TN188 Reverse

TN189 Reverse

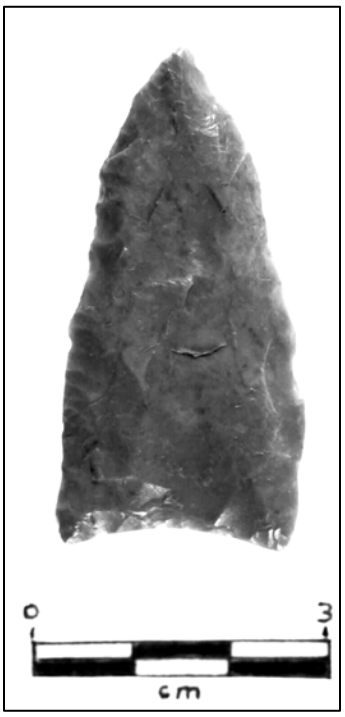
TN190 Reverse

TN191

TN192

TN193

TN191 Reverse



TN192 Reverse

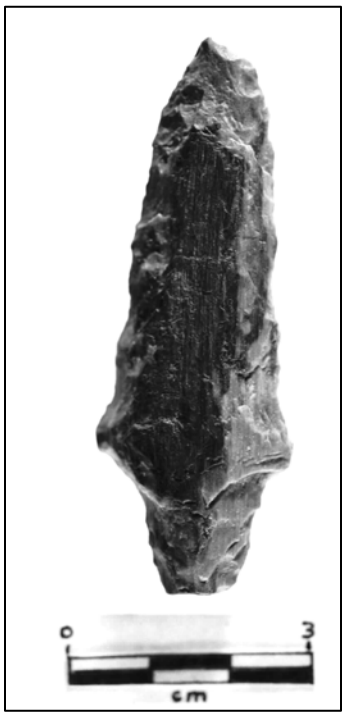
TN193 Reverse

TN194

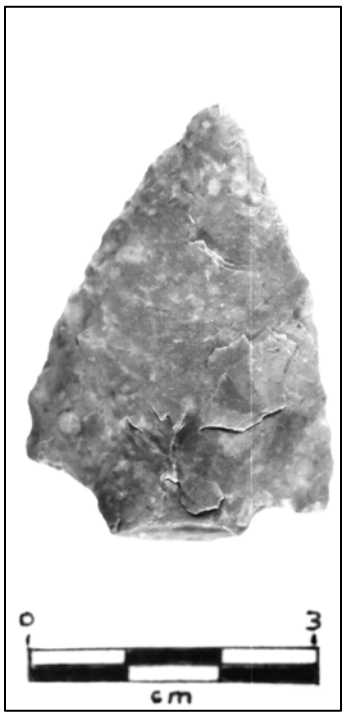
TN195

TN196

TN194 Reverse

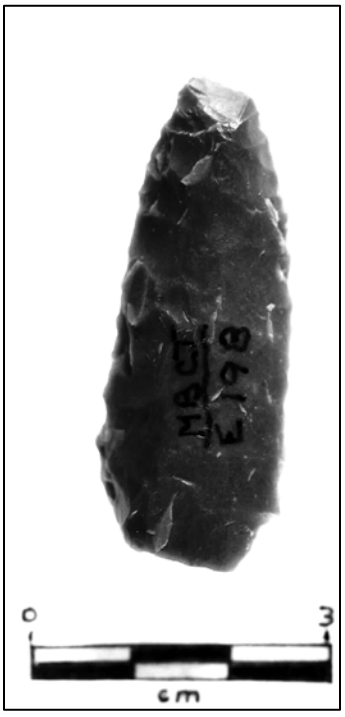


TN195 Reverse



TN196 Reverse

TN197



TN198

TN199

TN197 Reverse

TN198 Reverse

TN199 Reverse

TN200

TN201

TN202

TN200 Reverse

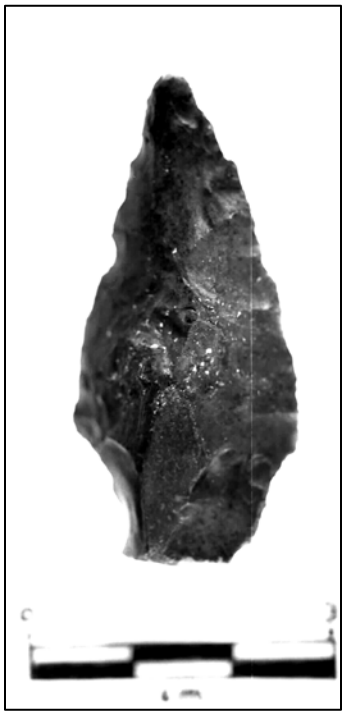
TN201 Reverse

TN202 Reverse

TN203

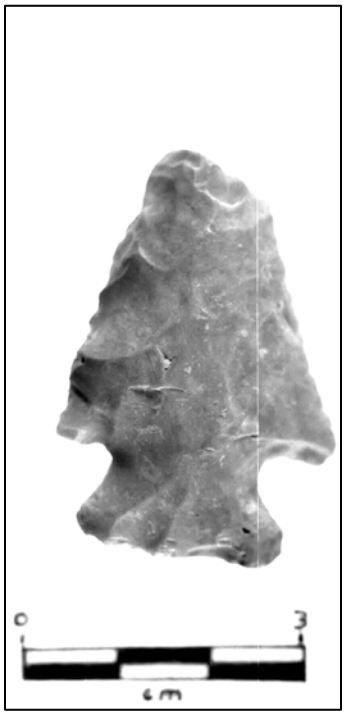
TN204

TN205

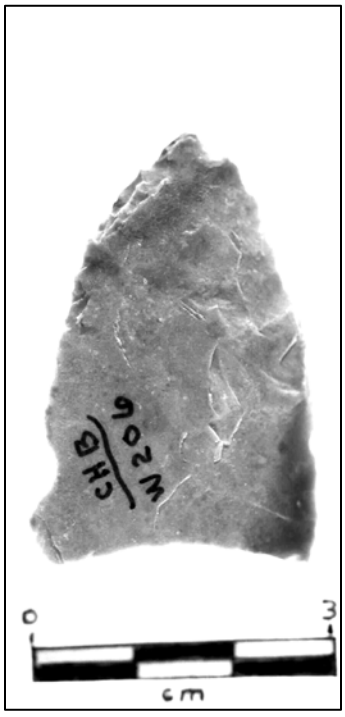


TN203 Reverse

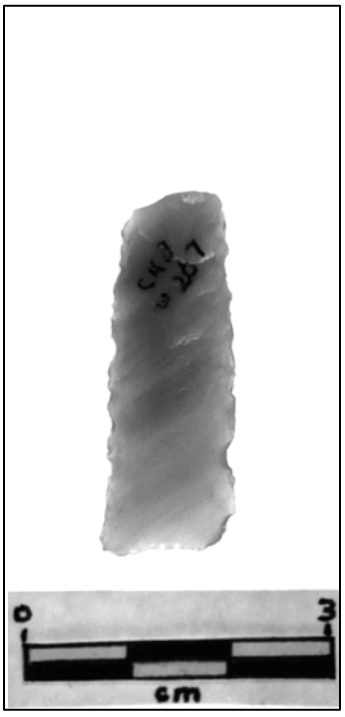
TN204 Reverse



TN205 Reverse

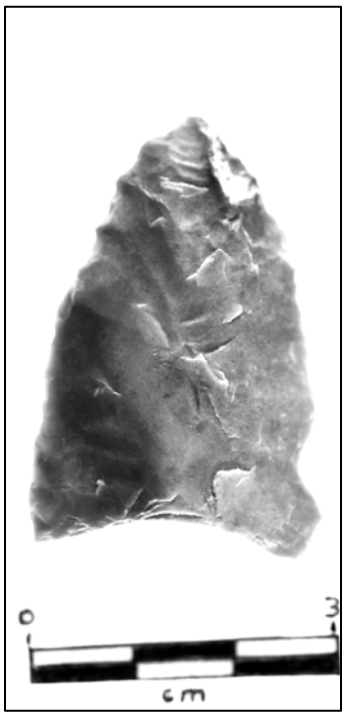


TN206



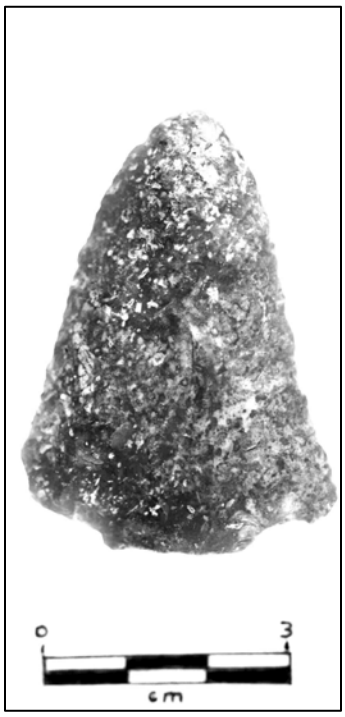
TN207

TN208



TN206 Reverse

TN207 Reverse



TN208 Reverse

TN209

TN210

TN211

TN209 Reverse

TN210 Reverse

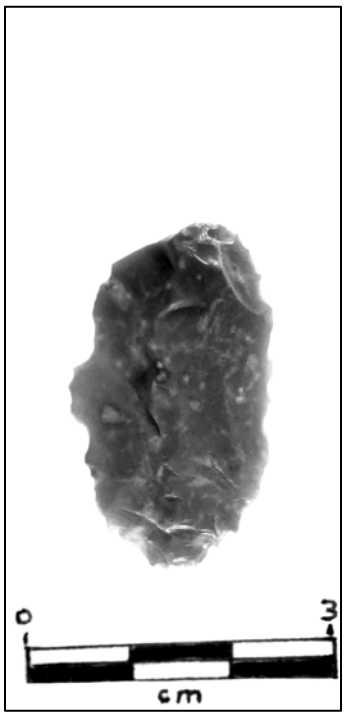
TN211 Reverse

TN212

TN213

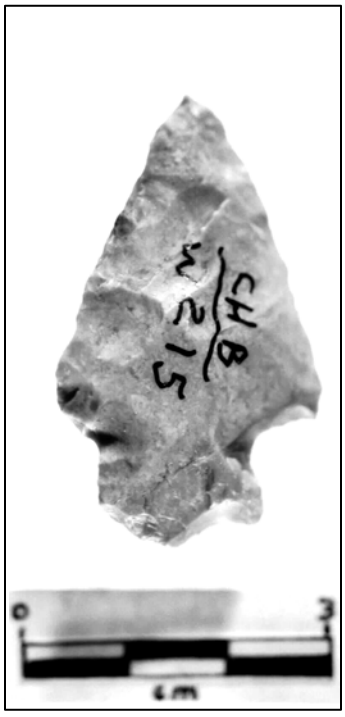
TN214

TN212 Reverse



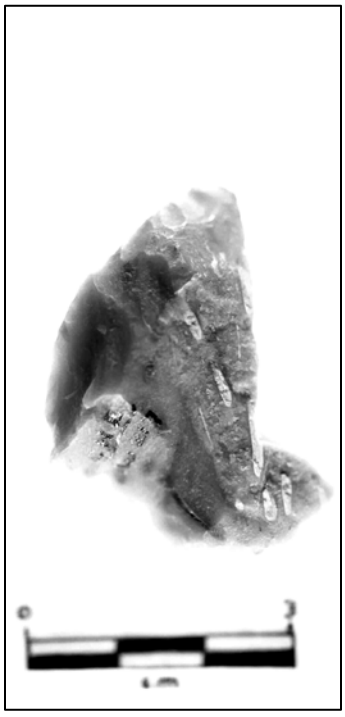
TN213 Reverse

TN214 Reverse



TN215

TN216



TN217

TN215 Reverse

TN216 Reverse

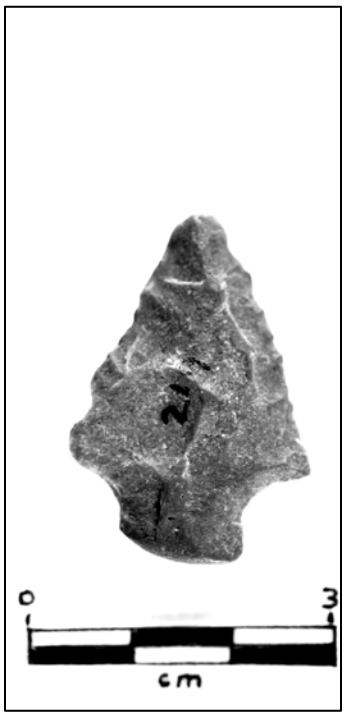
TN217 Reverse

TN218

TN219

TN220

TN218 Reverse

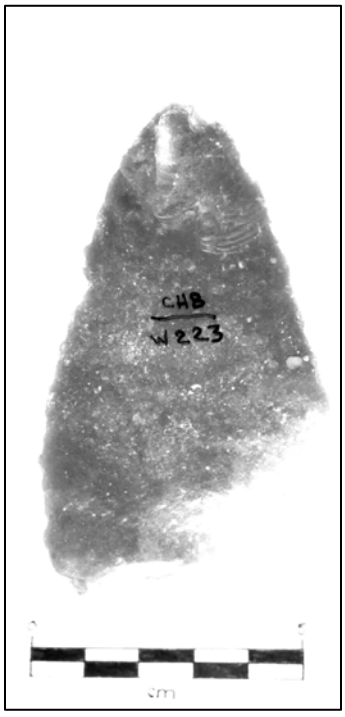


TN219 Reverse

TN220 Reverse

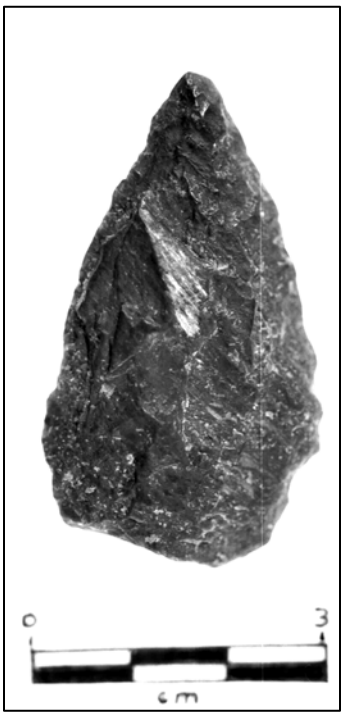
TN221

TN222

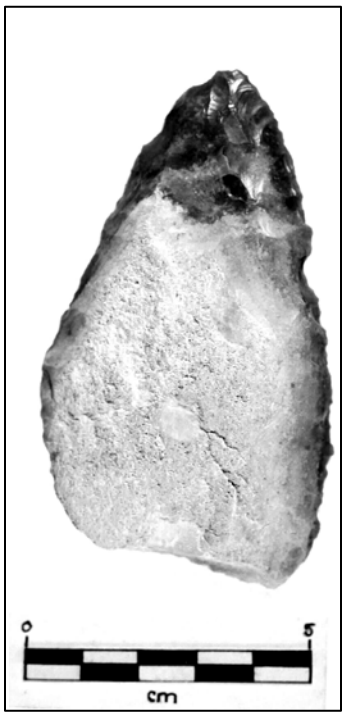


TN223

TN221 Reverse



TN222 Reverse

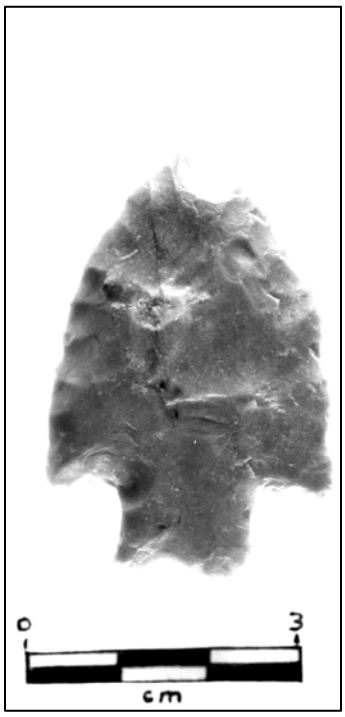


TN223 Reverse

TN224

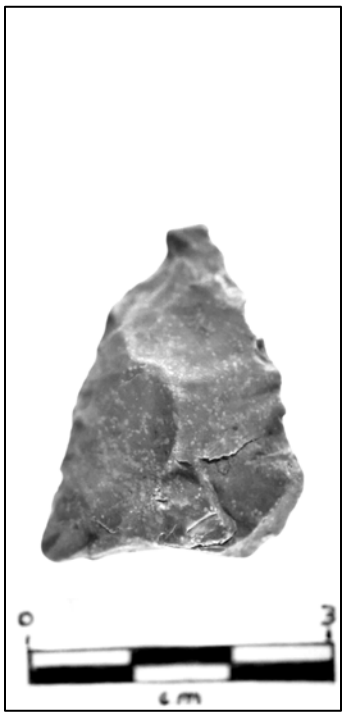
TN225

TN226



TN224 Reverse

TN225 Reverse



TN226 Reverse

TN227

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TN227 Reverse

TN228 Reverse

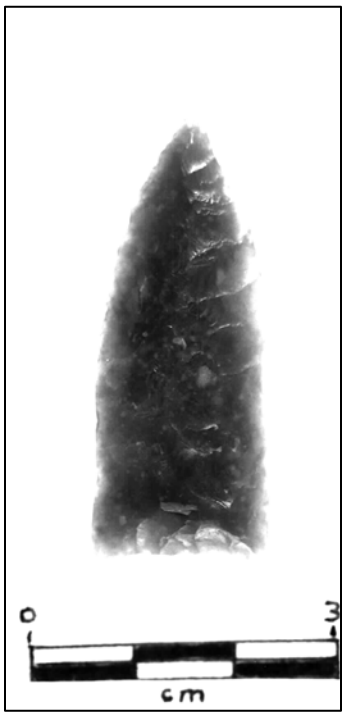
TN229 Reverse

TN230

TN231

TN232

TN230 Reverse



TN231 Reverse

TN232 Reverse

TN233

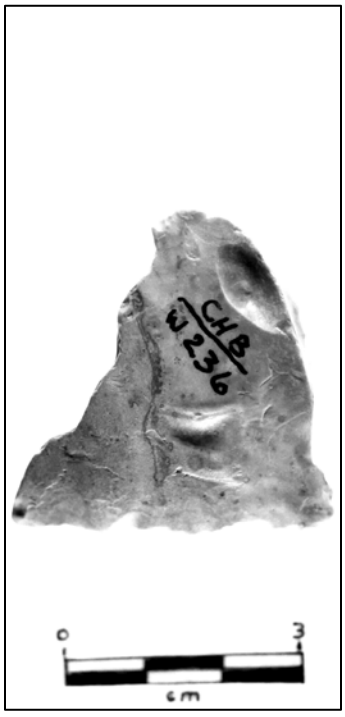
TN234

TN235

TN233 Reverse

TN234 Reverse

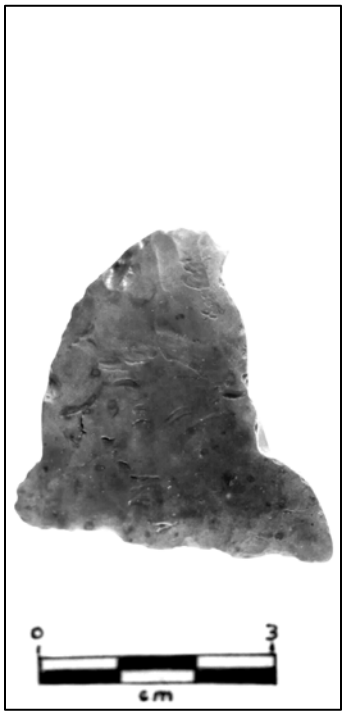
TN235 Reverse



TN236

TN237

TN238

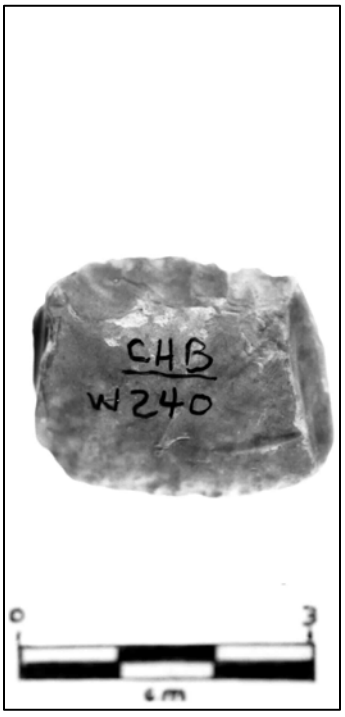


TN236 Reverse

TN237 Reverse

TN238 Reverse

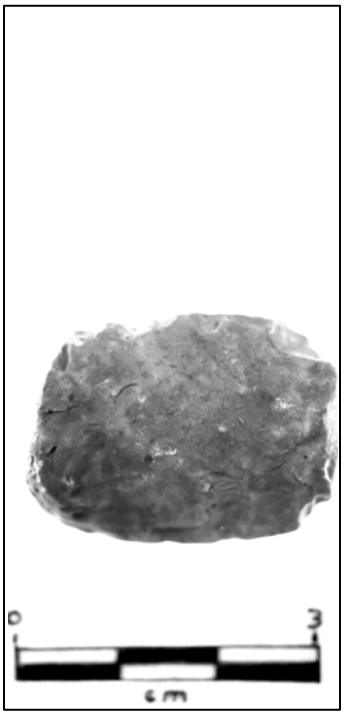
TN239



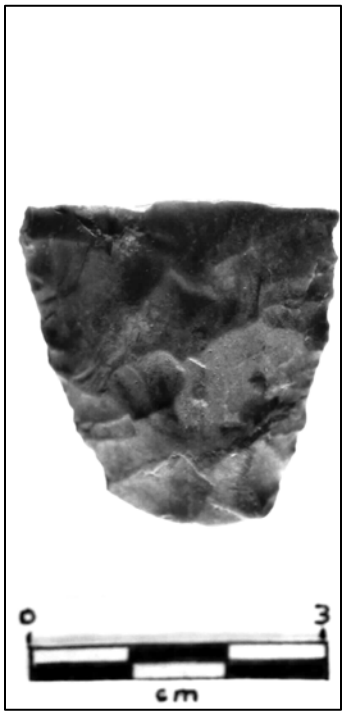
TN240

TN241

TN239 Reverse



TN240 Reverse

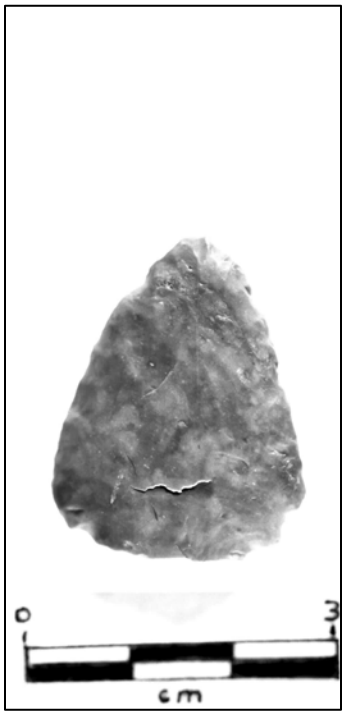


TN241 Reverse

TN242

TN243

TN244



TN242 Reverse

TN243 Reverse

TN244 Reverse

TN245

TN246

TN247

TN245 Reverse

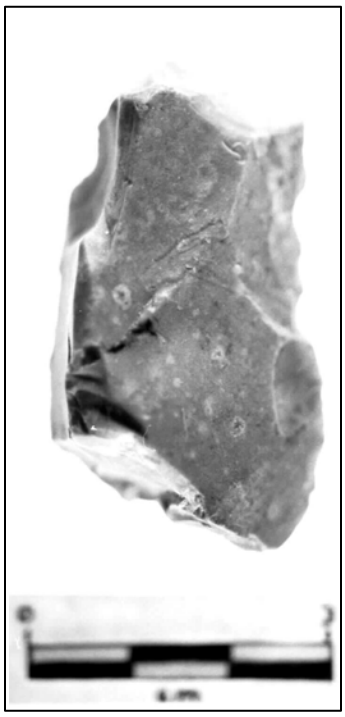
TN246 Reverse

TN247 Reverse

TN248

TN249

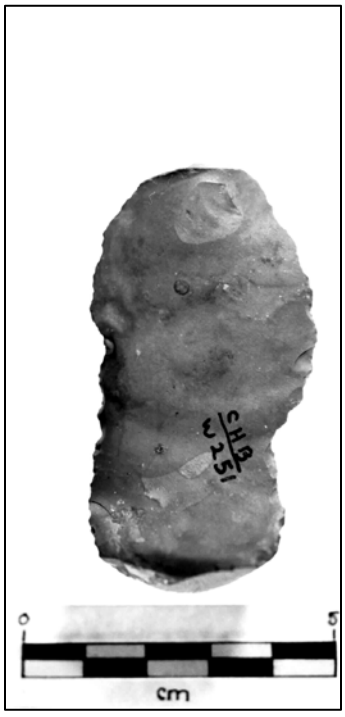
TN250



TN248 Reverse

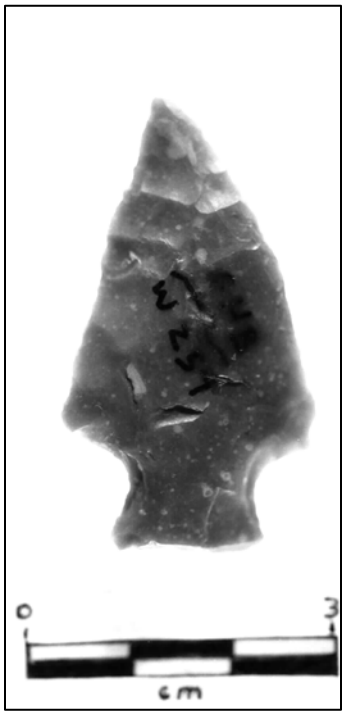
TN249 Reverse

TN250 Reverse

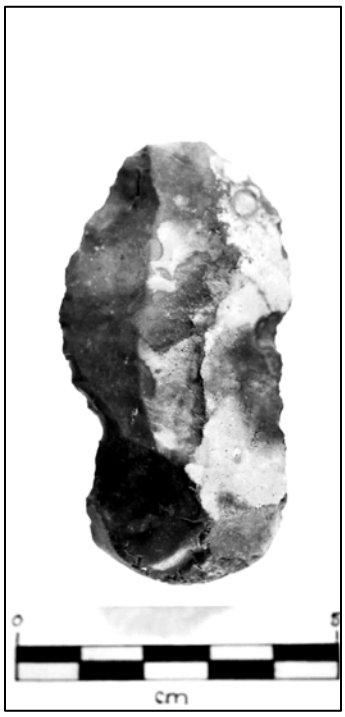


TN251

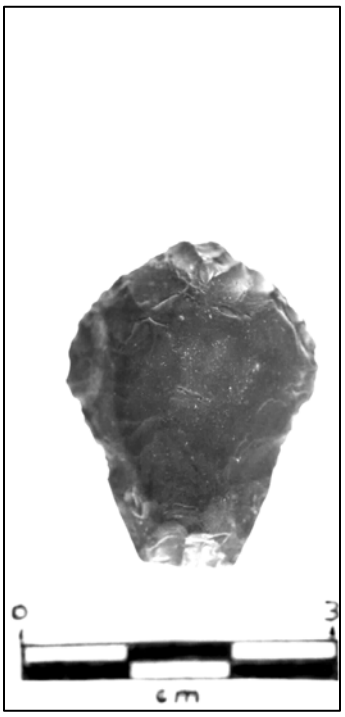
TN252



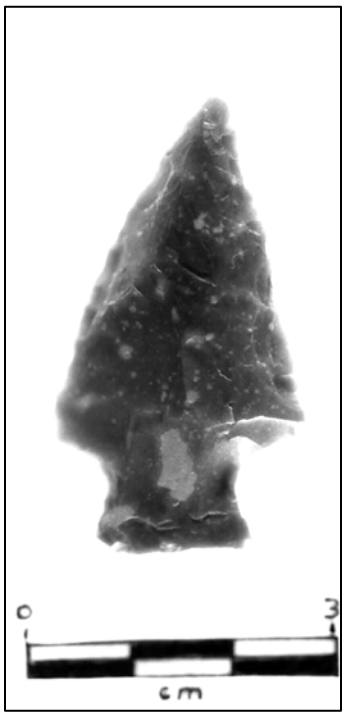
TN253



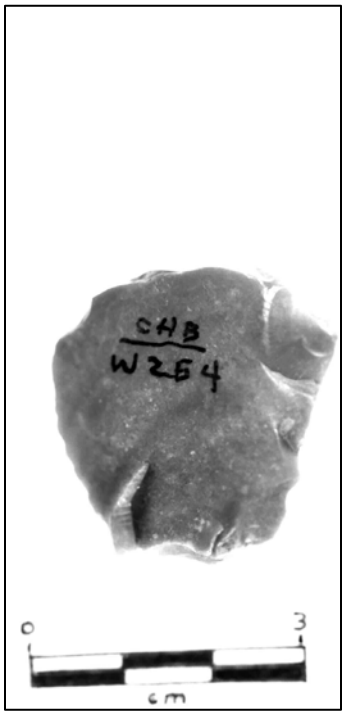
TN251 Reverse



TN252 Reverse



TN253 Reverse



TN254

TN255

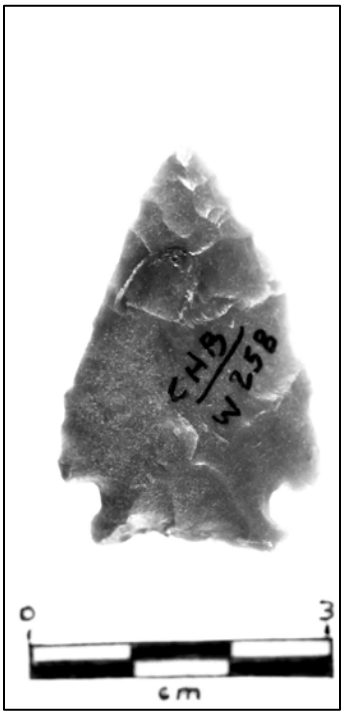
TN256

TN254 Reverse

TN255 Reverse

TN256 Reverse

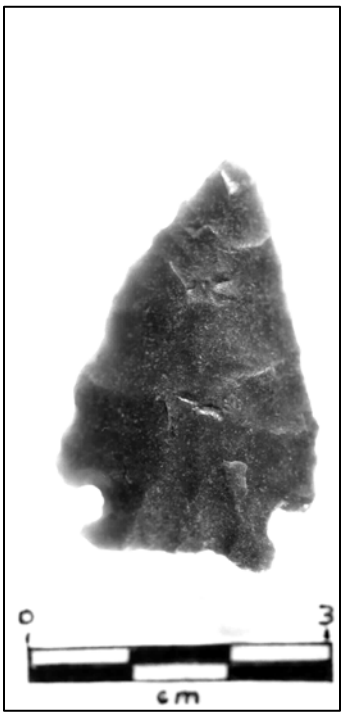
TN257



TN258

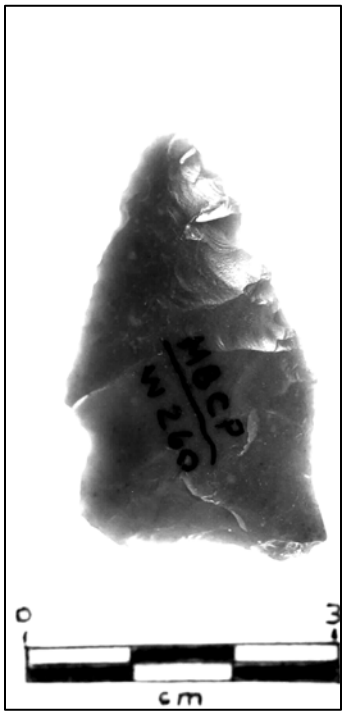
TN259

TN257 Reverse



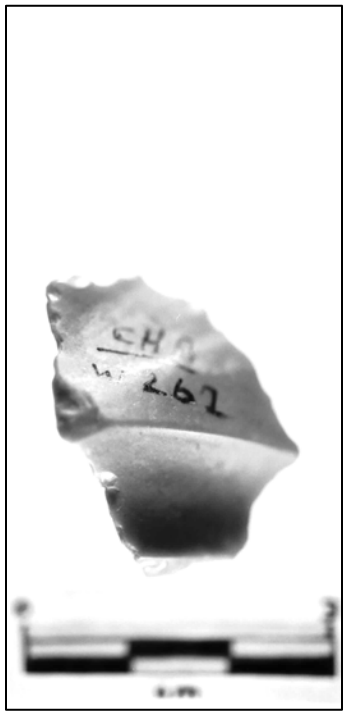
TN258 Reverse

TN259 Reverse

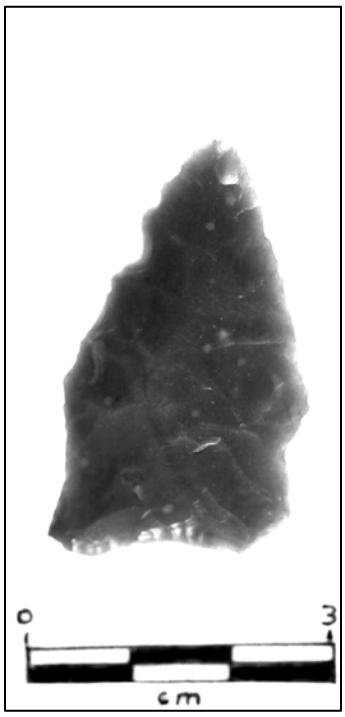


TN260

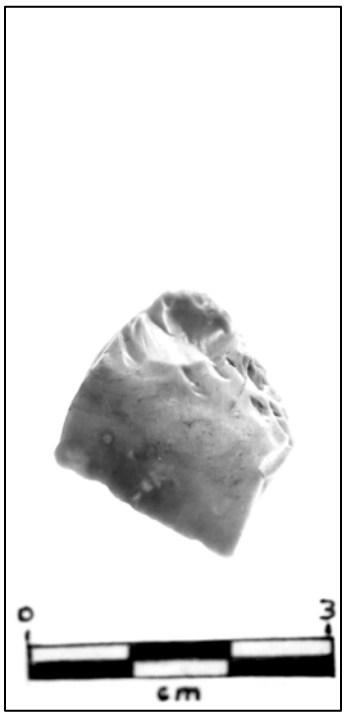
TN261



TN262



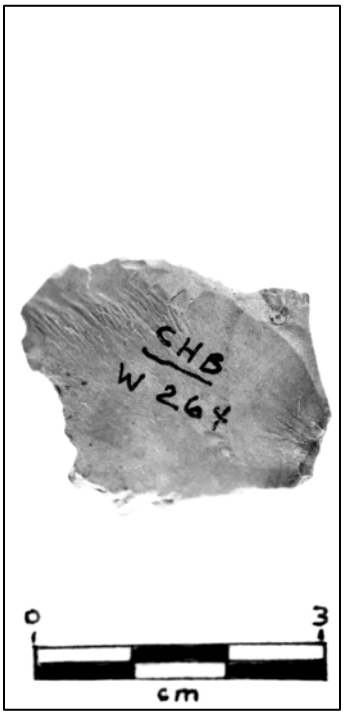
TN260 Reverse



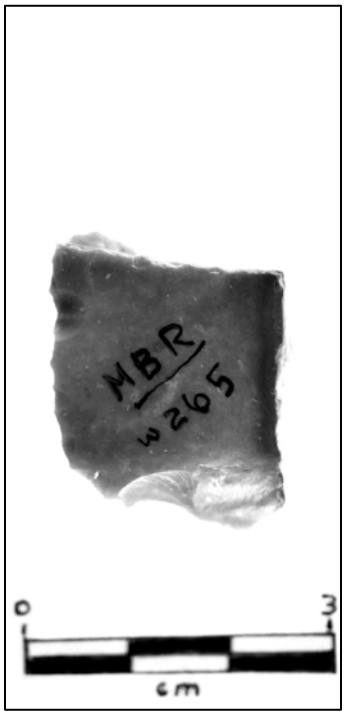
TN261 Reverse

TN262 Reverse

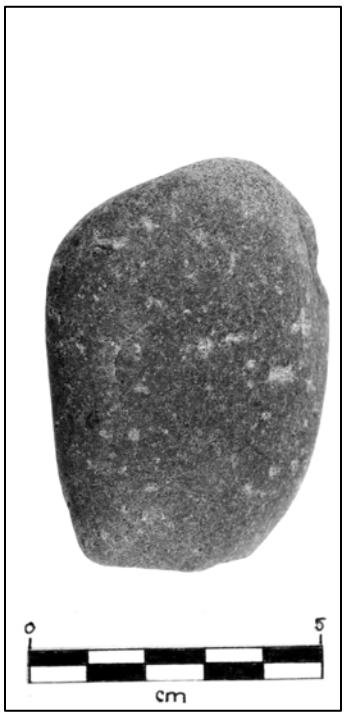
TN263



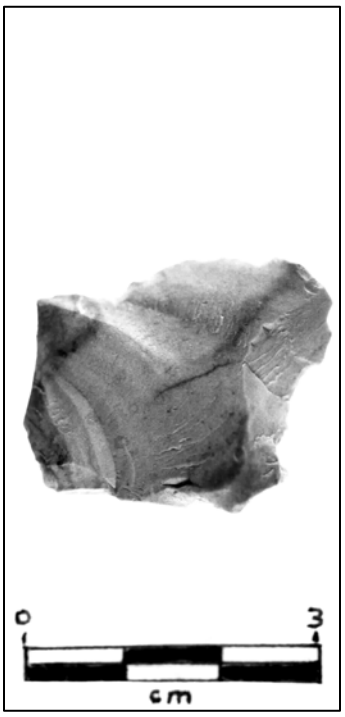
TN264



TN265

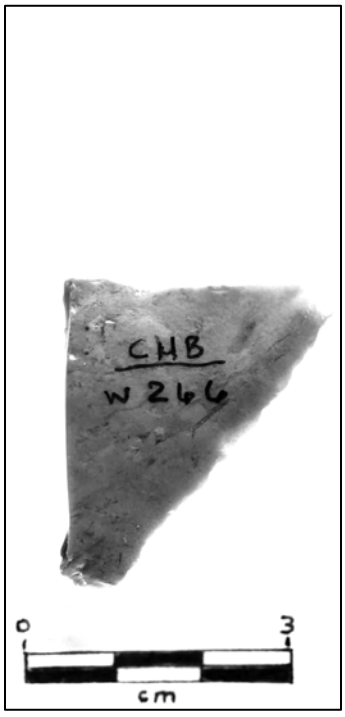


TN263 Reverse



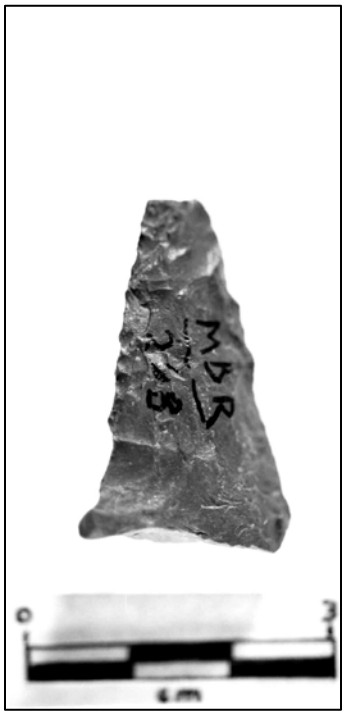
TN264 Reverse

TN265 Reverse

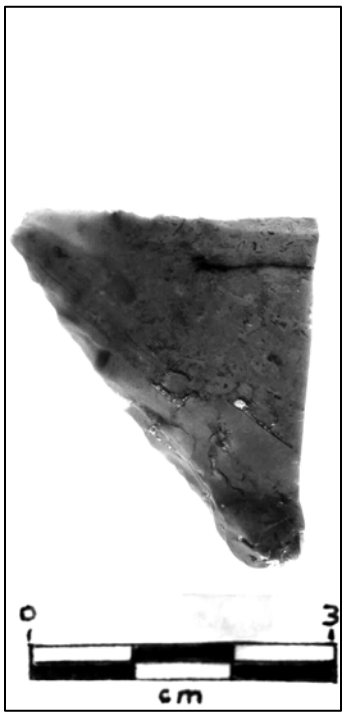


TN266

TN267



TN268

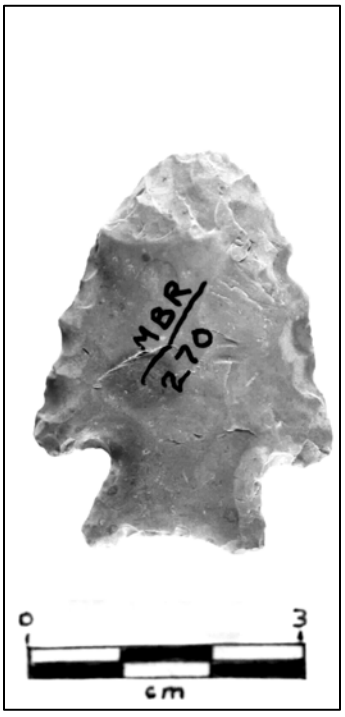


TN266 Reverse

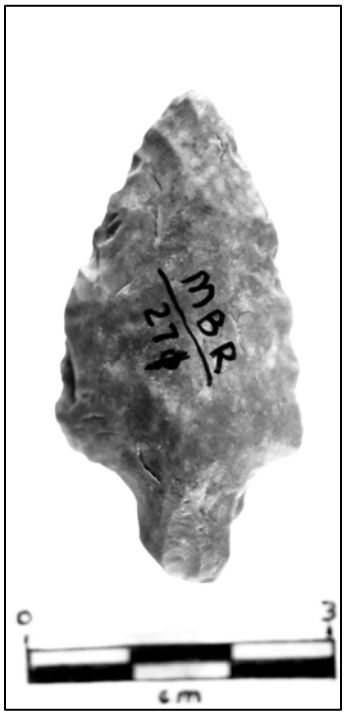
TN267 Reverse

TN268 Reverse

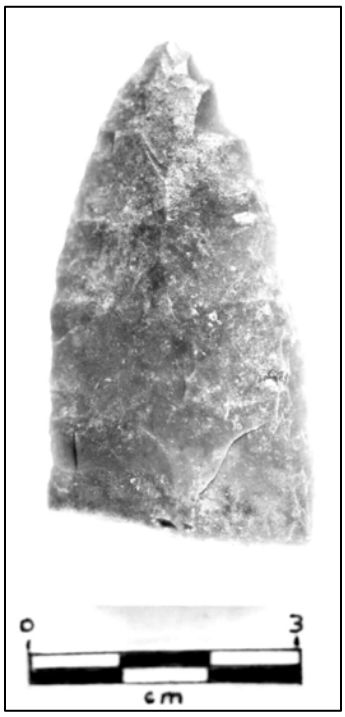
TN269



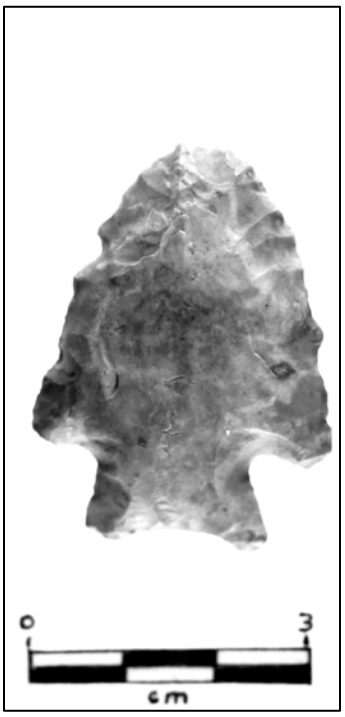
TN270



TN271



TN269 Reverse



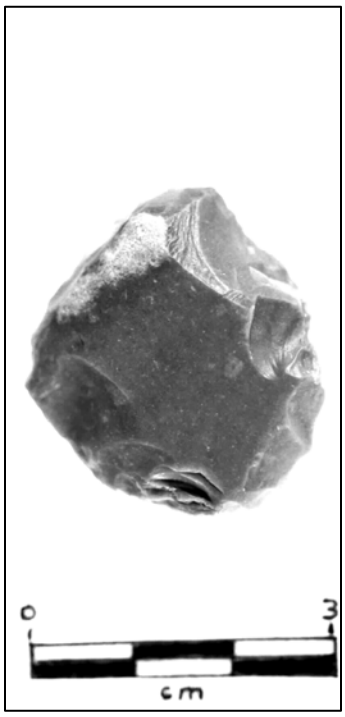
TN270 Reverse

TN271 Reverse

TN272

TN273

TN274

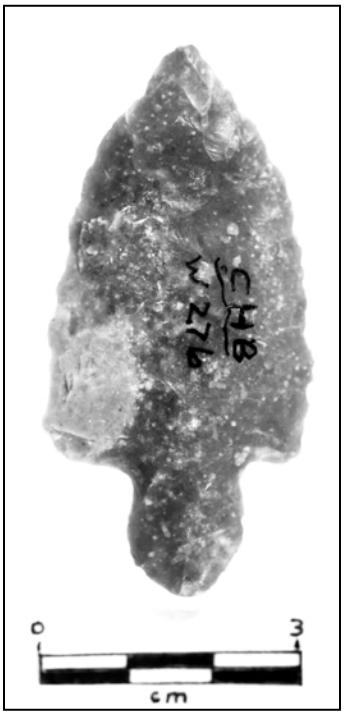


TN272 Reverse

TN273 Reverse

TN274 Reverse

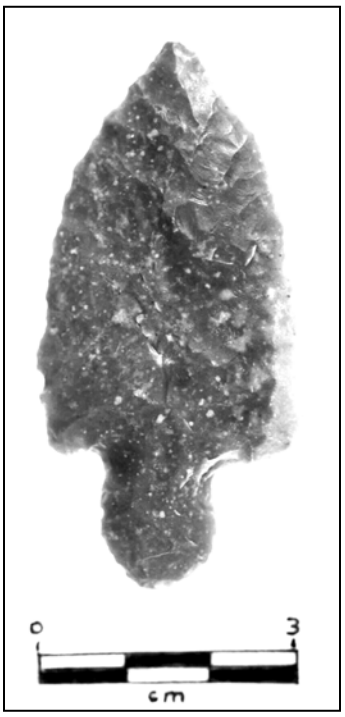
TN275



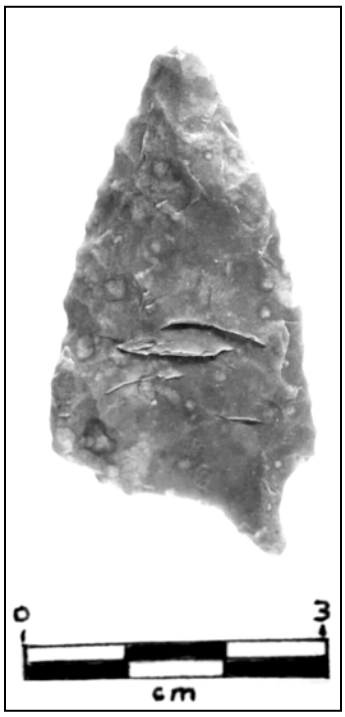
TN276

TN277

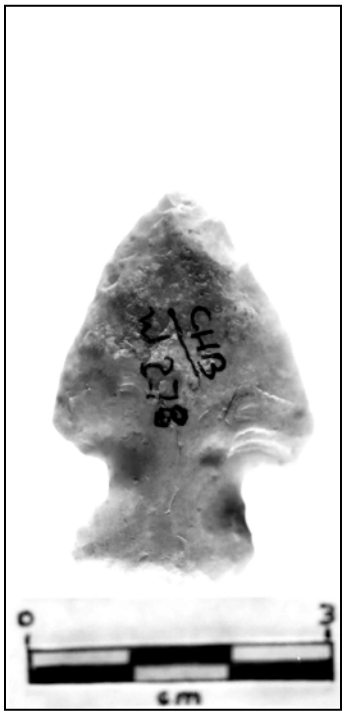
TN275 Reverse



TN276 Reverse



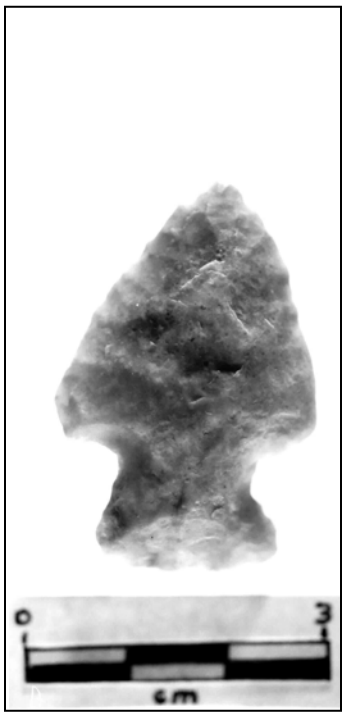
TN277 Reverse



TN278

TN279

TN280

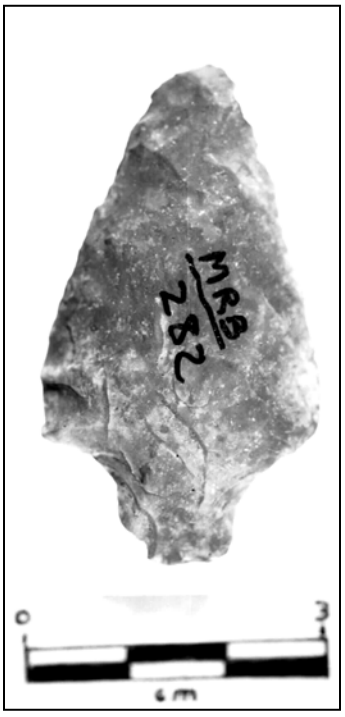


TN278 Reverse

TN279 Reverse

TN280 Reverse

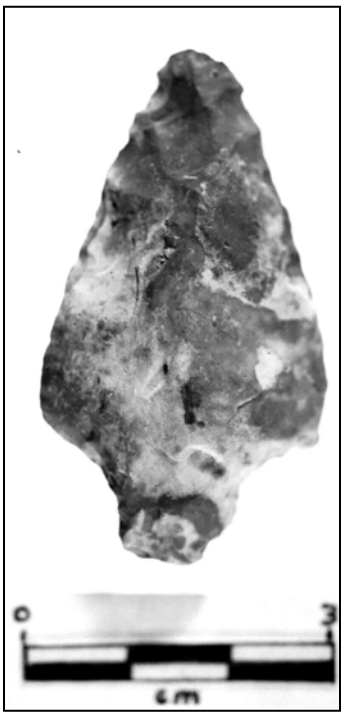
TN281



TN282

TN283

TN281 Reverse

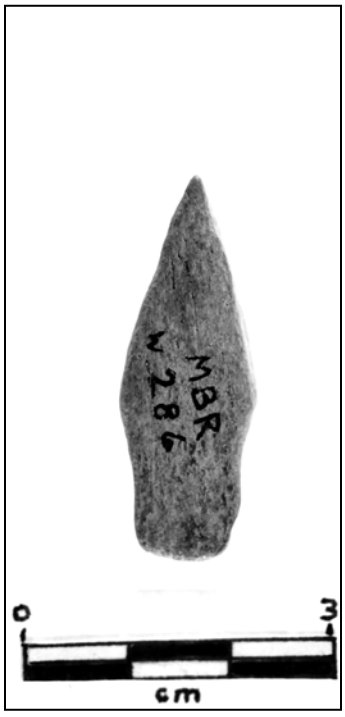


TN282 Reverse

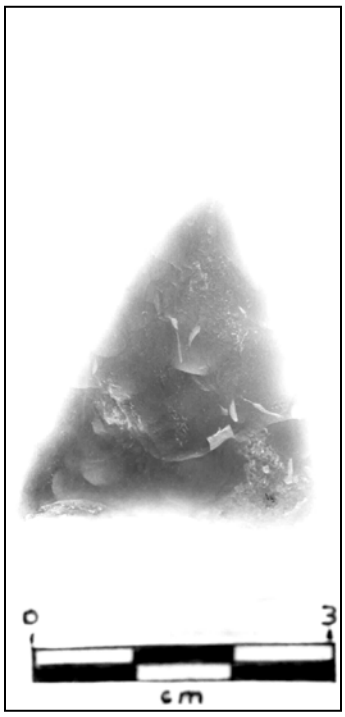
TN283 Reverse

TN284

TN285

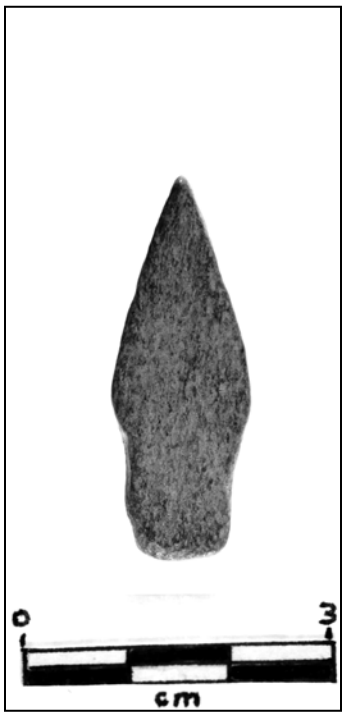


TN286



TN284 Reverse

TN285 Reverse

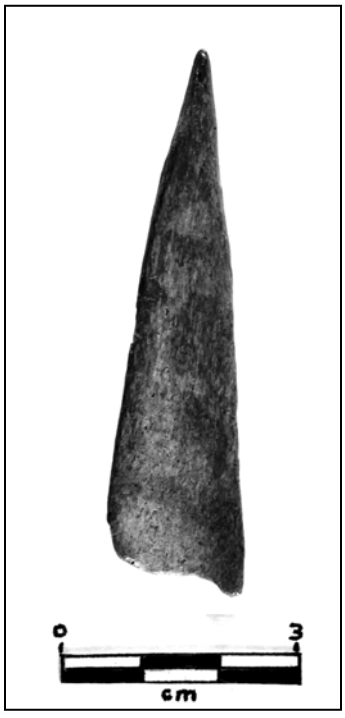


TN286 Reverse

TN287

TN288

TN289



TN287 Reverse

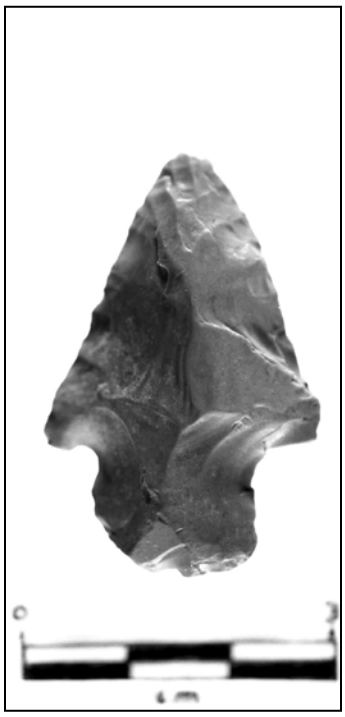
TN288 Reverse

TN289 Reverse

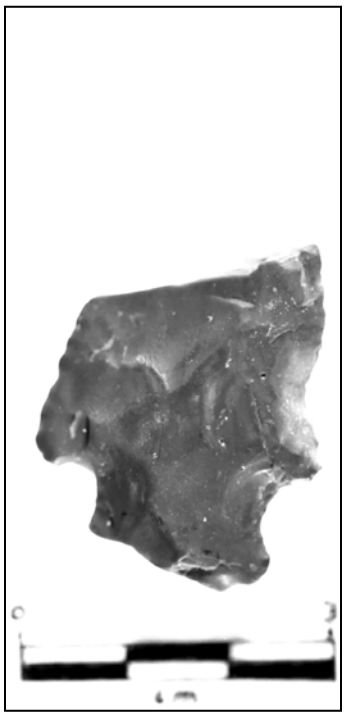
TN290

TN291

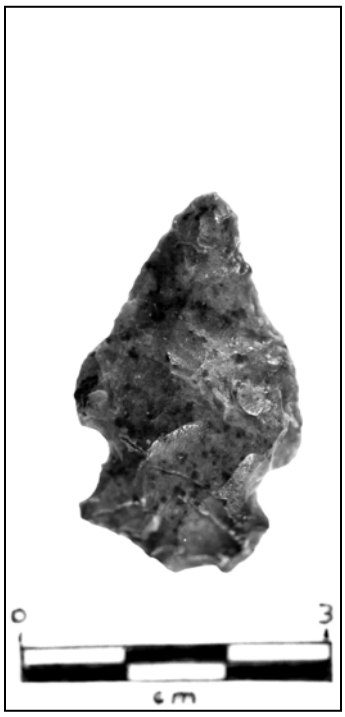
TN292



TN290 Reverse



TN291 Reverse



TN292 Reverse

TN293

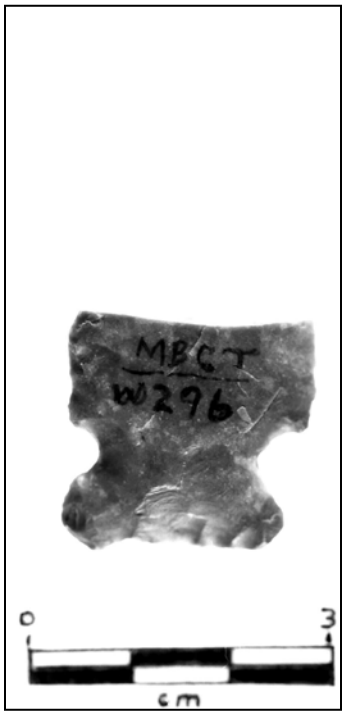
TN294

TN295

TN293 Reverse

TN294 Reverse

TN295 Reverse



TN296

TN297

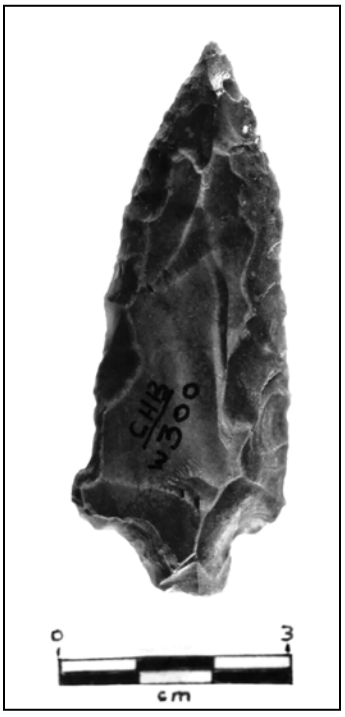
TN298

TN296 Reverse

TN297 Reverse

TN298 Reverse

TN299



TN300

TN301

TN299 Reverse

TN300 Reverse

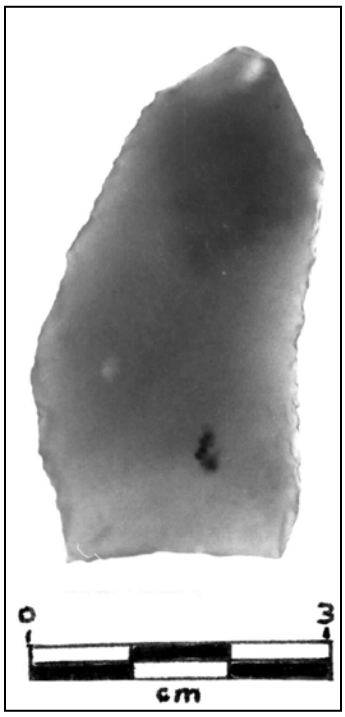
TN301 Reverse

TN302

TN303

TN304

TN302 Reverse

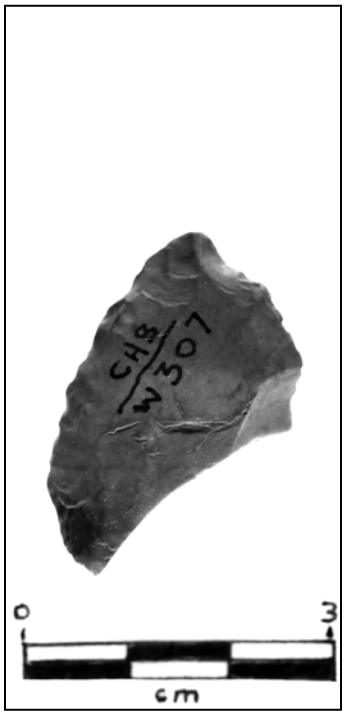


TN303 Reverse

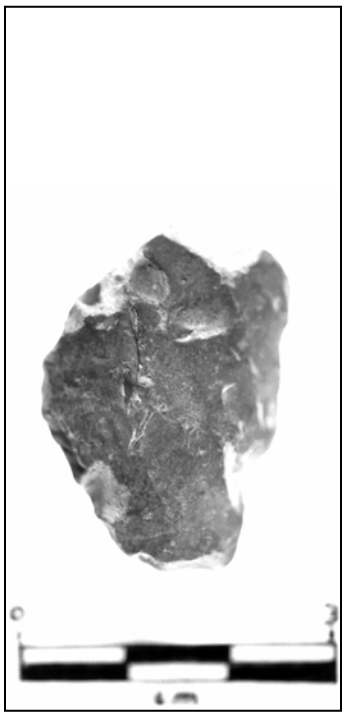
TN304 Reverse

TN305

TN306

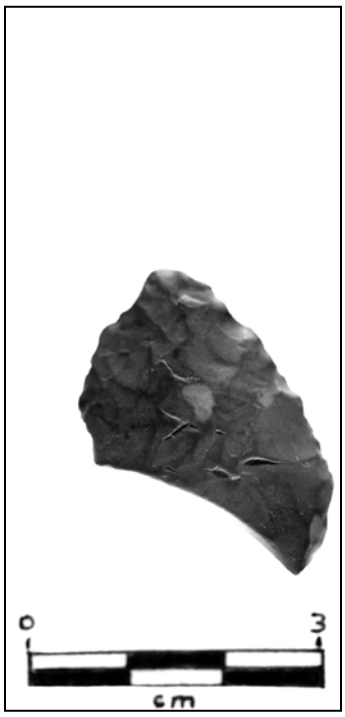


TN307

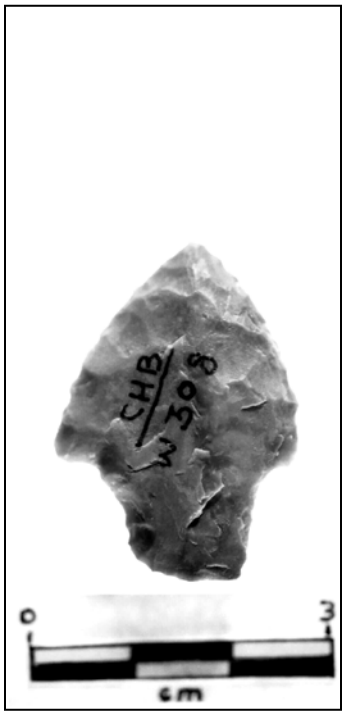


TN305 Reverse

TN306 Reverse

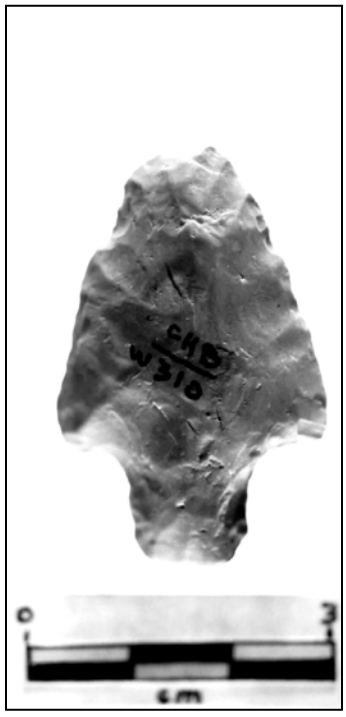


TN307 Reverse



TN308

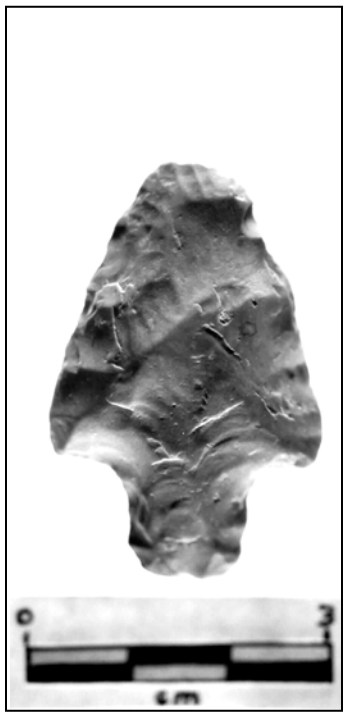
TN309



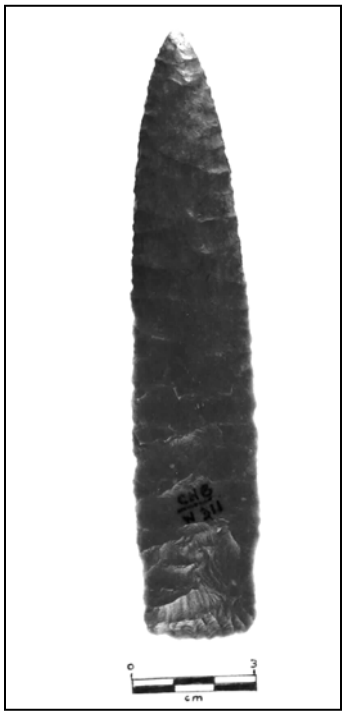
TN310

TN308 Reverse

TN309 Reverse



TN310 Reverse



TN311

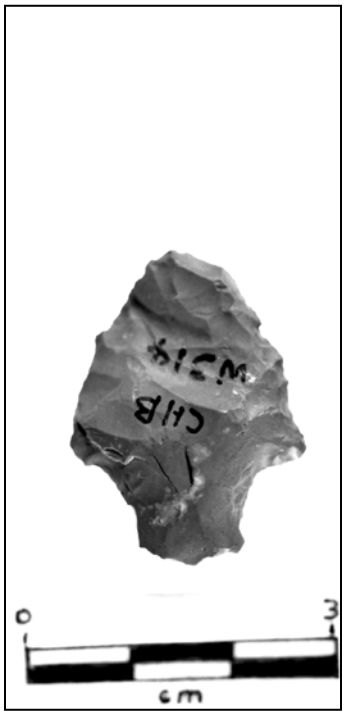
TN312

TN313

TN311 Reverse

TN312 Reverse

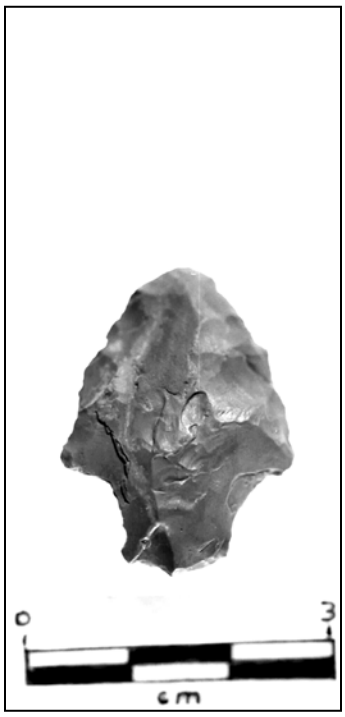
TN313 Reverse



TN314

TN315

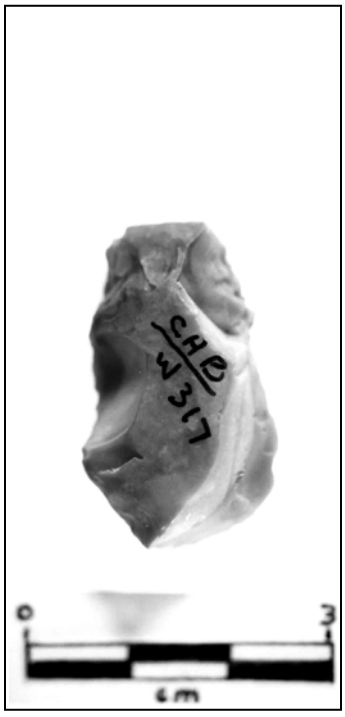
TN316



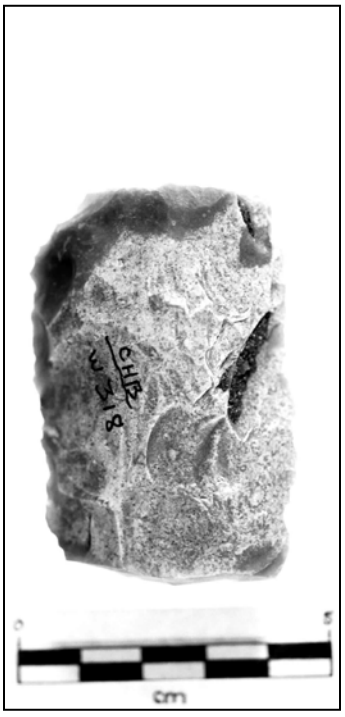
TN314 Reverse

TN315 Reverse

TN316 Reverse



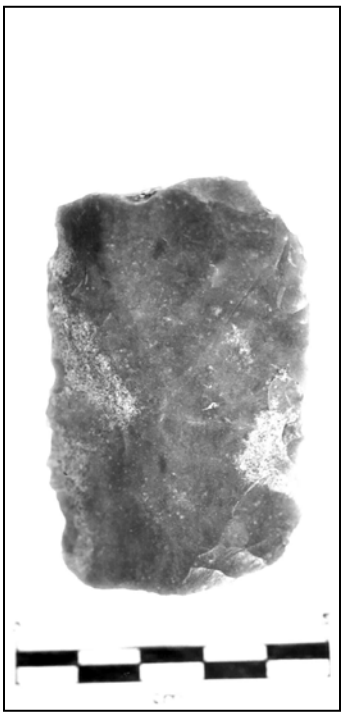
TN317



TN318

TN319

TN317 Reverse



TN318 Reverse

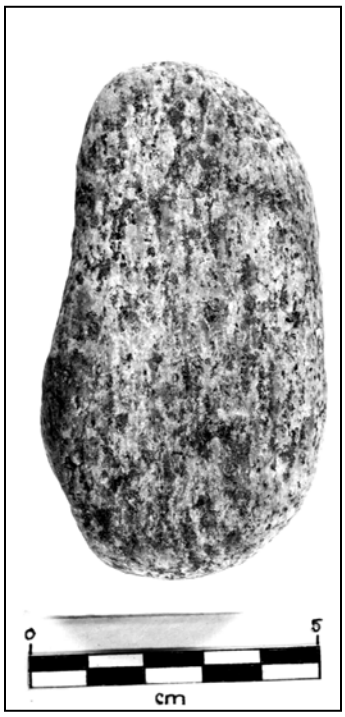
TN319 Reverse

TN320

TN320A

TN321

TN320 Reverse

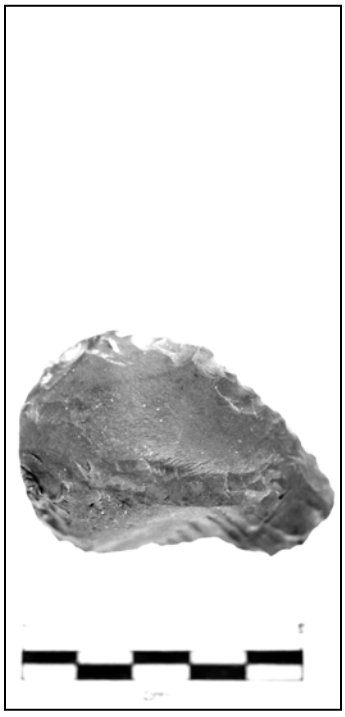


TN320A Reverse

TN321 Reverse

TN322

TN323



TN324

TN322 Reverse

TN323 Reverse

TN324 Reverse

TN325

TN326

TN327

TN325 Reverse

TN326 Reverse

TN327 Reverse

TN328

TN329

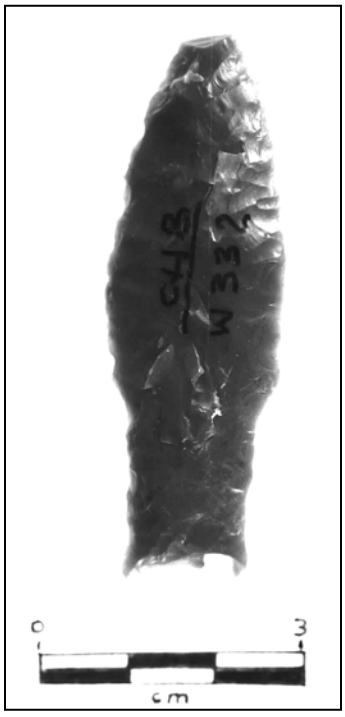
TN330

TN328 Reverse

TN329 Reverse

TN330 Reverse

TN331



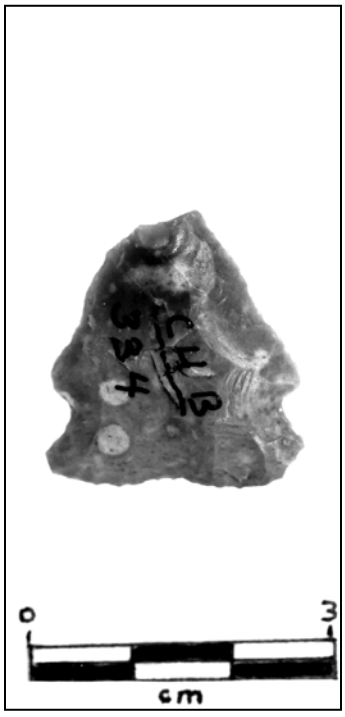
TN332

TN333

TN331 Reverse

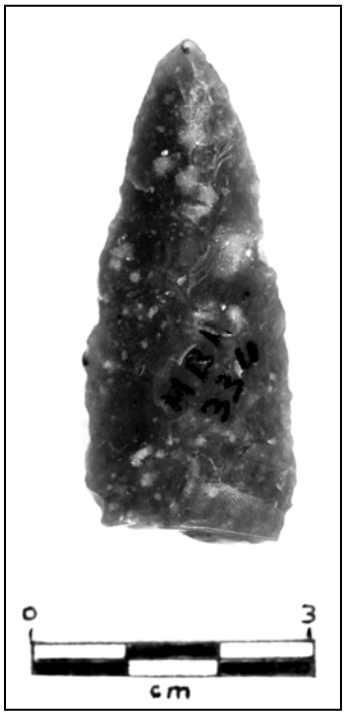
TN332 Reverse

TN333 Reverse



TN334

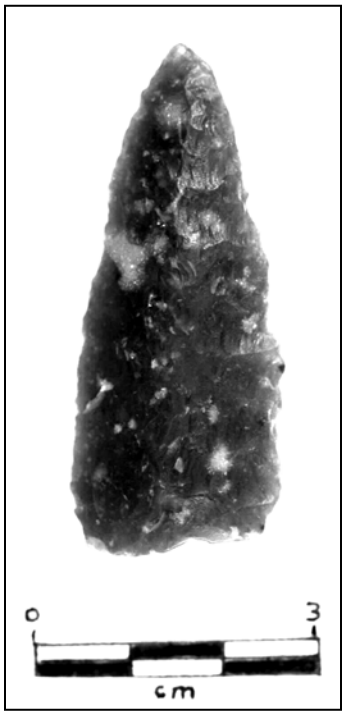
TN335



TN336

TN334 Reverse

TN335 Reverse



TN336 Reverse

TN337

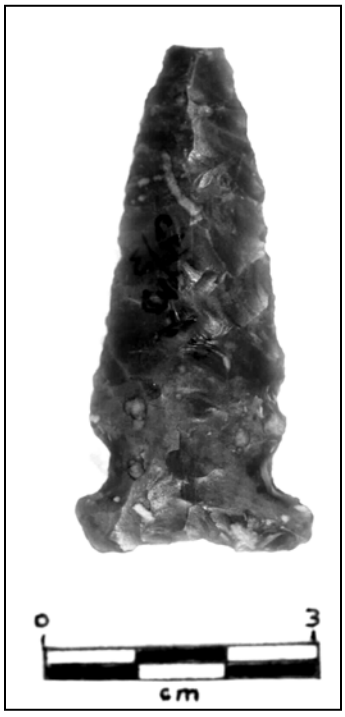
TN338

TN339

TN337 Reverse

TN338 Reverse

TN339 Reverse

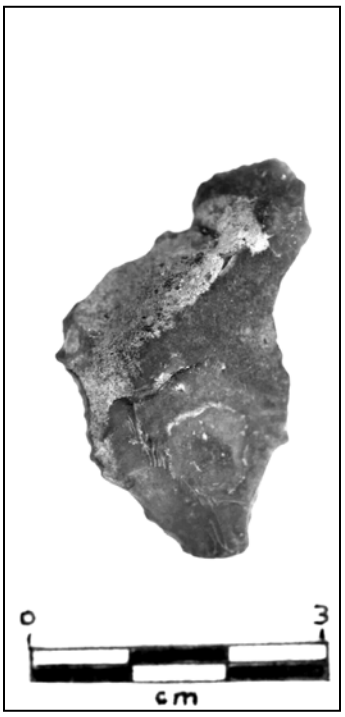


TN340

TN341

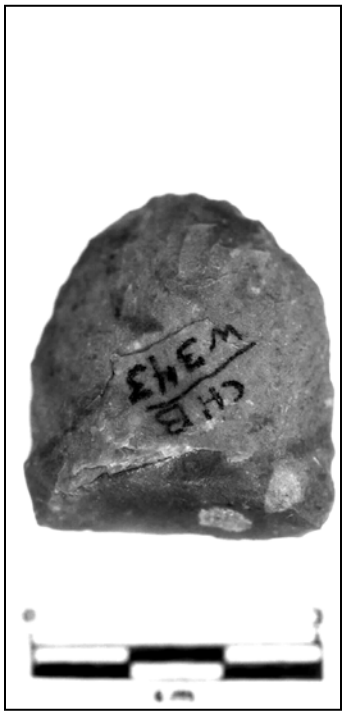
TN342

TN340 Reverse



TN341 Reverse

TN342 Reverse



TN343

TN344

TN345

TN343 Reverse

TN344 Reverse

TN345 Reverse

TN346

TN347

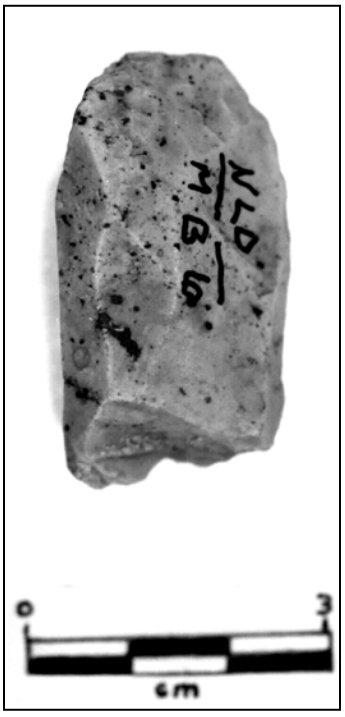
TN348

TN346 Reverse

TN347 Reverse

TN348 Reverse

TN348A



TNNLD6

TN348A Reverse

TNNLD6 Side

APPENDIX B

ARTIFACT DATABASE

Part I: General Artifact Data

Artifactno	Datefound	Accuracy	Function	Diagnostic	Period	Basalgrind	Material	Complete	Reworked	Wear	Weight	Length	Width	Thickness	Heattreat	Cortex	Patina	Colordif	Lithsource	Uvshortwv	Uvlongwave
BN 1	4/2/1984	5	PP	PPONCHARTRAIN	PMIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO		S	10.9	55	26	8			S	Y	EDW	214	214
BN 2	1/26/1985	5	PP	DELHI	MIDDLE/LATE ARCHAIC	A	QC	CO	R	H	14	61	26	9			M		UK	77	MB 21
BN 3	6/15/1985	5	PP	DAWSON	MIDDLE ARCHAIC	A/UB	CH	CO	R	M	5.7	52	23	6		PB			EDWG	77	77
BN 15	1/10/1987	5	PBT	NONDIAGNOSTIC	UNKNOWN		CH			M	17.7	37	32	14		PB			EDWG	2	2
BN 16	11/12/1985	5	USC/SP	NONDIAGNOSTIC	UNKNOWN		CH	CO		M	3.8	34	18	5					EDW	214	214
BN 17	11/12/1985	5	USC	NONDIAGNOSTIC	UNKNOWN		CH	CO		M	6.5	32	25	7					EDW	299	134
BN 18	11/12/1985	5	AP	CLIFTON	LATE PREHISTORIC	A	CH	CO		M	1.7	27	15	5	P		M		EDW	77	77
BN 19	11/15/1985	5	PP	EVANS	MIDDLE ARCHAIC	A	CH	BB		M	9.6	53	21	10					EDW	77	77
BN 20	2/8/1986	5	PP	DARL	TRANSITIONAL ARCHAIC	P	CH	CO		S	12.6	72	17	8					EDW	214	134
BN 21	1/5/1987	5	PP	SCOTTSBLUFF	LATE PALEOINDIAN	U	QZ	BB		S	24.7	68	35	8					SS/JF	MB 21	MB 21
BN 22	1/5/1987	5	PP	MIDLAND	PALEOINDIAN	A	CH	CO	H	M	3.2	28	16	6			S	Y	PEDW	TN/LTBLMT	GY/BRMT
BN 23	1/10/1987	5	SC	NONDIAGNOSTIC	UNKNOWN		CH	CO		S	15.3	47	24	10			S	Y	EDW	134	324
BN 24	1/24/1987	5	PP	PPONCHARTRAIN	PMIDDLE/TRANSITIONAL ARCHAIC	A	CH	PE		S	17.7	58	29	7			A		EDW	2	2
BN 25	1/24/1987	5	PP	KEITHVILLE	LATE PALEOINDIAN	P	PW	CO		H	3.6	31	19	5		PB			GR(U)	77	77
BN 26	2/21/1987	5	PP	EARLY STEMMED	LATE PALEOINDIAN	A	CH	CO	H	S	13.3	53	28	8			A		EDW	299	214
BN 27	3/28/1987	5	BF	NONDIAGNOSTIC	UNKNOWN	U	SO	DE		H	10.5	45	18	10					UK	77	77
BN 28	4/1/1987	5	PP	BIG SANDY	LATE PALEOINDIAN/EARLY ARCHAIC	H	PW	CO		M	5.7	46	18	6					UK	324	77
BN 29	5/2/1987	5	PP	PALMILLAS	MIDDLE/LATE ARCHAIC	A	PW	CO		S	8.1	49	24	6		OR			UK	77	77
BN 30	5/8/1987	5	PP	UNTYPED	UNKNOWN	U	CH	DE		S	10.6	41	29	9	P		S		EDW	299	299
BN 31	5/25/1987	5	PP	UNTYPED	ARCHAIC	U	UI	CO		H	9.2	39	25	10			H		UK	77	MB 21
BN 32	6/19/1987	5	UF	NONDIAGNOSTIC	PPALEOINDIAN		CH	BR		S	15	59	44	6			A		EDW	214	2
BN 33	11/5/1987	5	PP	UNTYPED	UNKNOWN	U	CH	BB	R	S	5.7	38	20	6			M	Y	EDW	134	324
BN 34	1/9/1988	5	KN	HARAHEY KNIFE	LATE PREHISTORIC/HISTORIC		CH	BR	H	M	3.2	30	11	7			S		EDW	134	GRGY
BN 35	1/9/1988	5	PP	PELICAN	PALEOINDIAN	H	PW	CO	R	M	4.4	31	24	5					UK	77	77
BN 36	1/16/1988	5	PP	UNTYPED	UNKNOWN	U	CH	SB		M	6.8	41	23	6	P				EDW	77	MB 21
BN 37	2/13/1988	5	PP	PGODLEY	PLATE ARCHAIC/LATE PREHISTORIC	A	QC	CO	R	M	7.5	44	22	8					PEDW	MB 21	MB 21
BN 38	3/26/1988	5	PAP	NONDIAGNOSTIC	PLATE PREHISTORIC		GS	CO			2.3	30	18	4			NA	NA	NA		
BN 39	4/30/1988	5	PP	UNTYPED	UNKNOWN	U	CH	SB		S	10.4	50	26	7		PB			EDWG	299	2
BN 40	9/10/1988	5	PP	UNTYPED	UNKNOWN	P	QC	CO		M	5.8	35	19	8		PB			EDWG	324	324
BN 41	9/10/1988	5	PBT	NONDIAGNOSTIC	UNKNOWN		CH			H	4	29	19	7		PB			EDWG	77	MB 21
BN 42	4/8/1989	5	BTF/UF	NONDIAGNOSTIC	UNKNOWN		CH			S	2.9	38	22	3			S		EDW	214	214
BN 43	9/8/1989	5	PP	ELLIS	MIDDLE/TRANSITIONAL ARCHAIC	U	UI	CO	H	H	5.9	34	22	6		PB	H		GR(U)	77	MB 21
BN 44	9/8/1989	5	PP	MARSHALL	LATE MIDDLE ARCHAIC	A	CH	BM	R	S	9.9	46	28	8					EDW	77	MB 21
BN 45	9/8/1989	5	PP	PPONCHARTRAIN	PMIDDLE/TRANSITIONAL ARCHAIC	A	QC	CO		M	13.4	60	28	6	P		M		EDW	324	324
BN 46	2/10/1990	5	PP	SAN PATRICE	PALEOINDIAN	A	QC	BB	R	M	5.8	38	25	7					PEDW	324	324
BN 47	2/10/1990	5	PP	BELL	EARLY ARCHAIC	A	CH	BM	H	S	10.4	49	32	7		OR			EDW	214	299
BN 48	3/10/1990	5	PP	PLAINVIEW	PALEOINDIAN	H	PW	CO	H	M	4.2	31	18	6			S		UK	DKGRGY	77
BN 49	3/24/1990	5	PP	EPPS	MIDDLE/LATE ARCHAIC	A	CH	TB		M	10.6	47	24	8	T		S		EDW	77	2
BN 50	3/24/1990	5	PBT	NONDIAGNOSTIC	UNKNOWN		CH			M	3.6	37	17	5	D	PB	S		EDWG	115	214
BN 51	4/7/1990	5	BF	UNTYPED	UNKNOWN	U	CH	BB		M	11.4	48	24	7			S	Y	EDW	115	115
BN 52	4/7/1990	5	BO	NONDIAGNOSTIC	UNKNOWN		BN	NA		M	13.1	117	18	14			NA	NA	NA		
BN 53	10/27/1990	5	SC	NONDIAGNOSTIC	UNKNOWN		PW			M	8.7	36	27	8		PB			GR(U)	77	BK/TN
BN 54	11/9/1990	5	PP	UNTYPED	UNKNOWN	U	NV	SB		S	12.2	54	29	11			A		OMN/HS	MB 21	MB 21
BN 55	1/1/1991	5	UT	NONDIAGNOSTIC	UNKNOWN		PW	BR		M	25.5	50	44	10					UK	YL/OR	YL/OR
BN 56	1/1/1991	5	PP	CLOVIS	PALEOINDIAN	P	CH	CO	R	S	8.1	43	22	6					EDW	115	RD/ORMT
BN 57	1/19/1991	5	PP/KN	PSCOTTSBLUFF	PLATE PALEOINDIAN	P	CH	DE	T	S	29.8	84	32	9			A		EDW	299	299
BN 58	2/2/1991	5	PP	PPONCHARTRAIN	PMIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO		S	10.6	63	25	7			M	Y	EDW	2	324
BN 59	3/29/1991	5	PP	YARBROUGH	LATE/TRANSITIONAL ARCHAIC	A	PW	CO	R	M	7.7	44	22	7		OR			UK	77	324
BN 60	4/13/1991	5	PP	UNTYPED	UNKNOWN	U	UI	SB		H	14	47	28	9			H		UK	324	324
BN 61	8/17/1991	5	PAP	NONDIAGNOSTIC	PLATE PREHISTORIC		GS	CO			0.9	22	12	3			M	Y	NA		
BN 62	8/17/1991	5	PMBC/PPRF	NONDIAGNOSTIC	UNKNOWN		CH	CO		S	1.4	27	16	6		OR	A		EDW	WH/YLORMT	WH/YLORMT
BN 63	10/8/1991	5	PP	SAN PATRICE (KEITH)	PALEOINDIAN	P	CH	CO	R	M	4.7	33	22	6			M	Y	ETX	77	77
BN 64	10/26/1991	5	PP	PELICAN	PALEOINDIAN	H	CH	CO	R	S	6.9	40	21	7			S		EDW	214	299
BN 65	10/26/1991	5	PP	SAN PATRICE	PALEOINDIAN	P	SO	CO	R	H	4	31	23	5			M	Y	UK	77	MB 21
BN 66	10/26/1991	5	BF	UNTYPED	UNKNOWN	U	CH	BB	R	M	14.7	53	25	10			S		PJVS/PEDW	77	324
BN 67	10/26/1991	5	PP	MOTLEY	MIDDLE/LATE ARCHAIC	P	CH	CO		M	14.9	62	27	8			S	Y	EDW	214	134
BN 68	12/7/1991	5	UT/PSP	NONDIAGNOSTIC	UNKNOWN		CH	BR		H	7.7	33	30	6			H	Y	UK	YL/OR	324
BN 69	12/7/1991	5	PP	PALMILLAS	MIDDLE/LATE ARCHAIC	U	CH	CO	R	H	10.5	46	21	10		PB			EDWG	77	77
BN 70	12/14/1991	5	PP	WODEN	EARLY ARCHAIC	A/UB	PW	CO		H	8.5	43	24	9		OR			UK	77/GYWH	77/GYWH
BN 71	1/6/1992	5	PP	PALMILLAS	MIDDLE/LATE ARCHAIC	U	PW	CO	R	H	6	41	18	8			M		UK	77/GRYLBN	77/TNBN
BN 72	1/11/1992	5	BF	UNTYPED	UNKNOWN	U	QC	SB	H	S	9.9	46	26	10					EDW	MB 21	MB 21
BN 73	1/11/1992	5	SC/GV	NONDIAGNOSTIC	UNKNOWN		PW	BR		M	21	50	18	15		PB			GR(U)	2	2
BN 74	2/8/1992	5	FG/GV/BS	NONDIAGNOSTIC	UNKNOWN		CH			M	6.7	26	29	7					EDW(S)	115	299
BN 75	2/8/1992	5	PP	UNTYPED	UNKNOWN	U	CH	SB/NB		S	9.9	45	26	8		PB	M	Y	EDWG	324	324
BN 76	2/15/1992	5	PP	PELICAN	PALEOINDIAN	U	FP	CO	H	H	3.3	24	20	6		PB	H		ETXG	77	77
BN 77	2/29/1992	5	PP	UNTYPED	UNKNOWN	U	QZ	SB		H	8.8	38	30	9			H		UK	MB 21	MB 21
BN 78	2/29/1992	5	PP	SAN PATRICE	PALEOINDIAN	P	QC	CO	R	M	7.2	39	28	6			S		PEDW	214	214
BN 79	3/6/1992	5	PP	DALTON	PALEOINDIAN	H	CH	CO	R	S	14.1	65	27	7			A		EDW	214	2
BN 80	4/11/1992	5	FG	NONDIAGNOSTIC	UNKNOWN		CH			M	6.6	31	21	9			S		EDW	299	134
BN 81	4/17/1992	5	BTF/UF	NONDIAGNOSTIC	UNKNOWN		CH	BR		S	1.8	27	16	3			S		EDW	DKGR	324
BN 82	8/8/1992	5	PP	WODEN	EARLY ARCHAIC	A/UB	PW	CO		S	5.8	37	21	8		PB			ETXG	2	2
BN 83	11/21/1992	5	PDR/PSC	NONDIAGNOSTIC	UNKNOWN		SO	CO	R	H	5	44	15	6					UK	3	214

Artifactno	Datefound	Accuracy	Function	Diagnostic	Period	Basalgrind	Material	Complete	Reworked	Wear	Weight	Length	Width	Thickness	Heattreat	Cortex	Patina	Colordif	Lithsource	Uvshortwv	Uvlongwave
BN 84	12/19/1992	5	FL	NONDIAGNOSTIC	UNKNOWN		UI	CO		H	16.6	49	39	8			H		UK	RD/BRGYMT	RD/BRGYMT
BN 85	1/30/1993	5	PBT/GV	NONDIAGNOSTIC	UNKNOWN		QC	CO		M	38.5	50	24	19		PB			PEDWG	MB 21	MB 21
BN 86	2/13/1993	5	BF	PDALTON	PPALEOINDIAN	P	CH	PE		M	2.7	28	14	5					EDW	299	2
BN 87	2/13/1993	5	PP	PGODLEY	PLATE ARCHAIC/LATE PREHISTORIC	U	UI	CO		H	8	40	22	8		OR	H		UK	MB 21	MB 21
BN 88	3/27/1993	5	PPP	NONDIAGNOSTIC	UNKNOWN		BN	CO		M	11.2	70	17	16			NA	NA	NA		
BN 89	4/9/1993	5	PP	TRAVIS	MIDDLE ARCHAIC	A	CH	CO		M	11.8	60	22	9			M		EDW	3	OR/RDMT
BN 90	4/23/1993	5	PP	GARY	MIDDLE/TRANSITIONAL ARCHAIC	U	QC	CO		H	14	52	28	9	TD		M		PEDW	3/WH	OR/RD/WHMT
BN 91	5/1/1993	5	PP	ELLIS	MIDDLE/TRANSITIONAL ARCHAIC	U	CH	CO	R	H	5.9	35	22	8			H		EDW	77	MB 21
BN 92	5/8/1993	5	PP	EPPS	MIDDLE/LATE ARCHAIC	A	CH	CO	R	M	18	61	27	9			M	Y	EDW	299	2
BN 93	5/8/1993	5	PP	PGODLEY	PLATE ARCHAIC/LATE PREHISTORIC	P	CH	CO		M	9.8	49	21	8			H		EDW	77	77
BN 94	6/5/1993	5	PP	KEITHVILLE	LATE PALEOINDIAN	P	CH	CO	H	M	2.5	25	18	6					EDW	77	MB 21
BN 95	6/5/1993	5	PP	UNTYPED	UNKNOWN	U	CH	MD/NB		H	3.2	18	23	5			M		PEDW	77	MB 21
BN 96	10/19/1993	5	PP	GARY	MIDDLE/TRANSITIONAL ARCHAIC	U	CH	CO	H	H	8.1	40	26	8			M		EDW	MB 21	MB 21
BN 97	10/23/1993	5	FL	NONDIAGNOSTIC	UNKNOWN		CH			M	3.1	30	21	4					EDW	299	299
BN 98	11/10/1993	5	PP	LANGE-LIKE	PLATE ARCHAIC	U	SO	IF	R	H	9.3	41	27	7			T		UK	MB 21	MB 21
BN 99	12/18/1993	5	BF	NONDIAGNOSTIC	UNKNOWN		CH	CO		H	19.1	47	30	12		PB			EDWG	GR/OR/RDMT	RD/ORMT
BN 100	2/12/1994	5	PP/PGO	KENT	MIDDLE/TRANSITIONAL ARCHAIC	U	QC	CO	R	H	3.6	30	16	9		PB			PEDW	MB 21	MB 21
BN 101	2/12/1994	5	PBPC	NONDIAGNOSTIC	UNKNOWN		CH	CO		M	3.6	24	15	8		PB	S		EDWG	299	134
BN 102	2/19/1994	5	PP	PSAN PATRICE	PPALEOINDIAN	U	QC	MD/NB		H	5.3	34	26	4			M		PEDW	77	77
BN 103	2/26/1994	5	FG	NONDIAGNOSTIC	UNKNOWN		CH			M	33.6	51	32	18		OR	S		EDW(GT)	299	214
BN 104	2/26/1994	5	PCO/USC	NONDIAGNOSTIC	UNKNOWN		CH	CO		S	8.9	41	21	9			A		EDW	134	BR
BN 105	3/19/1994	5	PP	SAN PATRICE	PALEOINDIAN	P	CH	CO	R	H	3.2	30	21	5					EDW	MB 21	MB 21
BN 106	4/1/1994	5	BF	UNTYPED	UNKNOWN	U	CH	DE/NB		S	3.4	22	23	6			M		EDW	115	214
BN 107	4/9/1994	5	PCO	NONDIAGNOSTIC	UNKNOWN		CH	BR		H	13.7	42	24	10		PB	M		EDW	299	299
BN 108	4/23/1994	5	BLCO	NONDIAGNOSTIC	UNKNOWN		CH	CO		H	7.8	35	16	10	T	PB	M		EDWG	324	324
BN 109	11/9/1994	5	PP	UNTYPED	UNKNOWN	U	CH	DE		S	6.6	30	28	7			S		EDW	134	299
BN 110	11/9/1994	5	PP	UNTYPED	UNKNOWN	U	QZ	SB		M	4.7	35	20	6			M		OQ	MB 21	MB 21
BN 111	11/9/1994	5	PP	PELLIS	PMIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO		S	6.7	40	23	7			M		EDW	GR/OR/WHMT	BK/OR/YLMT
BN 112	12/1/1994	5	DF/UF	NONDIAGNOSTIC	UNKNOWN		CH	CO		H	11.3	40	23	11	P	OR	S		PEDW	214	299
BN 113	12/7/1995	5	PP	UNTYPED	UNKNOWN	U	UI	CO		H	4.6	42	18	5			H		UK	77	77
BN 114	12/14/1995	5	UF	NONDIAGNOSTIC	UNKNOWN		CH	PE		H	9.8	28	40	6			S		EDW	115	115
BN 115	12/19/1995	5	PPBT	NONDIAGNOSTIC	UNKNOWN		QZ	BR		M	26.9	45	34	11		PB			CRG	2	324
BN 116	4/3/1996	5	PP	DALTON	PALEOINDIAN	P	UI	CO	R	H	8.5	42	25	7			H	Y	PEDW	115	115
BN 117	4/3/1996	5	PPBCO	NONDIAGNOSTIC	UNKNOWN		QC	CO			20.2	46	22	14		PB	S		EDWG	324	324
CN 1	3/5/1990	3	BF	UNTYPED	PPALEOINDIAN		CH	BR		S	56.2	66	50	12			M	Y	EDW	115	115
CN 1A	4/16/1990	3	BF/PRF	UNTYPED	UNKNOWN	U	UI	DE	PT	H	6.6	38	22	7			M		UK	77	77
CN 2	5/4/1990	3	PP	CLOVIS/DELHI	PALEOINDIAN	A	CH	CO	T	S	25.3	81	33	8			S		EDW	214	214
CN 3	5/4/1990	3	PP	YARBROUGH	LATE/TRANSITIONAL ARCHAIC	A	QZ	IF	R	H	9.7	44	30	7			M		QCSG	77	77
CN 4	5/14/1990	3	PP	PELICAN	PALEOINDIAN	P	CH	CO	R	H	8.9	44	31	5			S		PEDW	BK/GRGY	77
CN 5	3/2/1991	3	PP	CLOVIS	PALEOINDIAN	P	CH	CO		S	52.3	128	36	8			S	Y	EDW	299	134
CN 5A	3/14/1991	3	PB/USC	UNTYPED	PPALEOINDIAN		CH	BR		S	23.2	56	34	8		PB	S		EDWG	115	115
CN 5B	3/14/1991	3	BF	NONDIAGNOSTIC	UNKNOWN		CH	CO		M	20.2	35	40	9					PEDW	299	324
CN 5C	3/14/1991	3	PB/USC	UNTYPED	PPALEOINDIAN		CH	CO		S	12.8	57	28	7		PB	A		PEDW	2	2
CN 6	4/27/1991	3	PP/BS	PEARLY STEMMED LANC	PLATE PALEOINDIAN	U	QZ	SB	R	S	11.2	57	20	7			S		SGQ	324	324
CN 7	5/2/1991	3	PP	HELL GAP	PALEOINDIAN	P	CH	CO	R	S	6.2	42	21	6			A		UK	299	2
CN 8	5/2/1991	3	PP	DELHI	MIDDLE/LATE ARCHAIC	A	CH	CO		M	28	81	37	9					EDWG	324	2
CN 9	5/6/1991	3	PP	PONCHARTRAIN	MIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO	R	S	11.3	66	22	7			A		EDW	214	214
CN 10	5/13/1991	3	PP	DALTON	PALEOINDIAN	P	QZ	PE	H	H	11.8	35	35	8			M	Y	UK	77	77
CN 10A	12/14/1991	3	PP	SAN PATRICE	PALEOINDIAN	P	CH	BB		M	5	36	23	5			M	Y	EDW	324	77
CN 11	2/6/1992	3	PP	PSAN PATRICE	PPALEOINDIAN	A	CH	CO	R	M	5	31	22	6					EDWG	115	134
CN 12	2/13/1992	3	PP	CLOVIS	PALEOINDIAN	H	CH	PE		M	6.5	35	31	6			S		PEDW	77	77
CN 13	4/1/1992	3	PP	PMARCOS	PLATE/TRANSITIONAL ARCHAIC	A	QZ	BM	H	H	9.8	50	29	7			M		UK	299	2
CN 13A	4/23/1992	3	PP/SC	SCOTTSBLUFF	LATE PALEOINDIAN	U	CH	PE	T	M	5.9	21	31	6			S		PEDW	MB 21	MB 21
CN 14	4/27/1992	3	PP	BIG SANDY	LATE PALEOINDIAN/EARLY ARCHAIC	A	CH	TB	H	S	5.9	34	22	7			A		EDW	DKGR	324
CN 15	5/15/1992	3	PP	PLAINVIEW	PALEOINDIAN	P	CH	CO	R	S	6.8	48	18	6			S		EDW	299	299
CN 16	6/3/1992	3	PP	GODLEY	LATE ARCHAIC/LATE PREHISTORIC	A	CH	CO	T	H	11.6	53	27	8			H		EDW	3	3
CN 17	10/2/1992	3	PP	CLOVIS	PALEOINDIAN	P	CH	CO	R	M	9.5	45	25	7			A		EDW	214	214
CN 18	10/2/1992	3	PP/KN	DALTON/RED RIVER KN	PALEOINDIAN	P	QZ	BR	T	M	4.2	33	27	5					PEDWG	MB 21	MB 21
CN 19	10/5/1992	3	PP	SAN PATRICE	PALEOINDIAN	P	QZ	TB	R	M	5.6	31	24	7			S		PLAG	324	77
CN 20	10/5/1992	3	PP	UNTYPED	UNKNOWN	U	UI	CO	T	H	4.8	35	20	6			H		UK	324	77
CN 21	11/2/1992	3	PP/KN	DALTON/RED RIVER KN	PALEOINDIAN	P	CH	CO	T	M	4	28	26	5					EDW	324	77
CN 22	2/26/1993	3	USC	NONDIAGNOSTIC	UNKNOWN		CH	DE		H	15.5	52	30	7			H		EDW	299	3
CN 23	3/17/1993	3	BF	UNTYPED	UNKNOWN	U	UI	DE	H	H	7	43	18	9			H		UK	115	115
CN 24	4/9/1993	3	PP	SCOTTSBLUFF	LATE PALEOINDIAN	A	CH	PE		S	23.4	64	27	10			H		EDW	214	299
CN 25	5/21/1993	3	PP	TRAVIS	MIDDLE ARCHAIC	A	CH	CO	R	S	10.9	57	20	9	T		M		PEDW	324	RD
CN 26	11/12/1993	3	PP	UNTYPED	UNKNOWN	U	PFP	SB		H	13	47	28	8			H		UK	115	324
CN 27	12/1/1993	3	BF	UNTYPED	UNKNOWN	U	CH	MD		S	12	31	29	8			M		EDW	134	324
CN 28	1/3/1994	3	UF	NONDIAGNOSTIC	UNKNOWN		CH	BR		M	8.2	35	29	4			M		EDW	214	299
CN 29	1/14/1994	3	PP	UNTYPED	UNKNOWN	U	CH	DE		S	13.4	53	29	8			S		PEDW	214	299
CN 30	1/20/1994	3	BF/PF	UNTYPED	PPALEOINDIAN	U	CH	MD		S	21.1	46	41	7			S		EDW	134	324
CN 31	4/13/1994	3	UF	NONDIAGNOSTIC	UNKNOWN		CH	BR		M	7.2	44	32	4					EDW	115	299
CN 32	4/18/1994	3	PP	SNAPPED-BASE STEMMED	MIDDLE/LATE ARCHAIC	A/UB	UI	CO	R	H	11.6	47	29	9			H		UK	2	2

Artifactno	Datefound	Accuracy	Function	Diagnostic	Period	Basalgrind	Material	Complete	Reworked	Wear	Weight	Length	Width	Thickness	Heattreat	Cortex	Patina	Colordif	Lithsource	Uvshortwv	Uvlongwave
CN 33	4/25/1994	3	PP	UNTYPED	UNKNOWN	U	QZ	DE		H	3.2	0	19	6			M		PEDW	134	324
CN 34	5/1/1994	3	PP	PJOHNSON/PWEBB	PEARLY/MIDDLE ARCHAIC	U	CH	SB	H	M	12.8	0	31	8	P				EDW	299	324
CN 35	3/28/1995	3	PP	PELICAN	PALEOINDIAN	H	QZ	CO	R	M	10.4	40	27	8			M		UK	2	2
FR 1	06/00/70	3	PP	HARDIN	LATE PALEOINDIAN/EARLY ARCHAIC	S	CH	CO		S	35.4	90	39	8			M	Y	PEDW	214	2
FR 2	06/00/70	3	PP	ENSOR	TRANSITIONAL ARCHAIC	A	CH	CO	R	M	4.7	31	22	6			M		EDW	3	324
FR 3	07/00/70	3	PBST	NONDIAGNOSTIC	UNKNOWN	NA	HM	CO			50.1	53	22	23			Z		UK		
FR 4	07/00/70	3	PF	PSAN PATRICE	PPALEOINDIAN	A	CH	TB		H	5.5	29	24	6			M		PEDW	2	2
FR 5	09/00/70	3	USC/PHE	NONDIAGNOSTIC	UNKNOWN	A	CH	CO		H	7.4	27	22	8			S		PEDW	214	214
FR 6	02/00/71	3	PP/BS	PGODLEY	PLATE ARCHAIC/LATE PREHISTORIC	A	QZ	CO	T	M	5.5	36	18	7			H		PSGQ	BR	BR
FR 7	06/00/71	3	PB/USC	UNTYPED	PPALEOINDIAN		CH	CO		S	44.4	78	42	11		PB			EDWG	134	134
FR 8	09/00/72	3	DF/UF	NONDIAGNOSTIC	UNKNOWN		QZ			S	38.4	68	63	11		OR	M		JVS	77	324
FR 9	01/00/73	3	PP	KENT	MIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO		M	13.2	59	22	11		PB	M		EDWG	2	324
FR 10	06/00/73	3	BF	UNTYPED	UNKNOWN		CH	MD		H	14	47	29	8			M	Y	UK	299	134
FR 11	09/00/74	3	PP	SAN PATRICE	PALEOINDIAN	P	QZ	CO	R	H	4.5	34	20	5		PB			TECG	77/204	77/GY
FR 12	03/00/75	3	PP	KEITHVILLE	LATE PALEOINDIAN	A	OQ	CO		S	4.1	35	23	4					UK	77	77
FR 13	08/00/76	3	PP	UNTYPED	UNKNOWN	U	OQ	DE		M	17.5	64	26	0			M		PFQ	299	2
FR 14	03/00/77	3	PP	BELL	EARLY ARCHAIC	A	QC	CO	H	S	4.9	35	25	6	T				PEDW/PETXG	299	2
FR 15	10/00/77	3	BF/PF	UNTYPED	UNKNOWN	U	CH	SB		S	9.2	47	26	7			S		EDW	3	115
FR 16	01/00/78	3	PP	UNTYPED	UNKNOWN	U	QC	SB		H	5.1	31	22	6	P		M		PEDW/PETXG	324	324
FR 17	10/00/78	3	PB/USC	UNTYPED	PPALEOINDIAN		CH	CO		S	19.6	67	28	8		PB	A		EDWG	299	299
FR 18	03/00/79	3	DF/USC	NONDIAGNOSTIC	UNKNOWN		CH			M	11.6	45	33	9	P	PB			EDWG	134	324
FR 19	06/00/79	3	BF	UNTYPED	UNKNOWN	U	QZ	SB		M	18.4	65	26	10			M		ETXG	134	2
FR 20	02/00/80	3	BF	UNTYPED	UNKNOWN	U	CH	DE		S	11.7	45	27	8	P		M		EDW	214	214
FR 21	06/00/80	3	PP	DAWSON	MIDDLE ARCHAIC	U	QZ	PE		H	12.2	37	25	11			H		QCSG	2	2
FR 22	01/00/81	3	PP	EARLY SIDE-NOTCHED	LATE PALEOINDIAN	P	QC	CO	R	M	6.1	31	24	7	T				PEDW/PETXG	214	2
FR 23	04/00/81	3	FG	NONDIAGNOSTIC	UNKNOWN		CH			S	1.6	19	15	7			A		EDW	WH	WH/LTOR
FR 24	11/00/81	3	PP	UNTYPED	UNKNOWN	U	NV	SB		S	8	33	30	6		PPB			UK	BLGY	PPGY
FR 25	10/00/81	3	GF	NONDIAGNOSTIC	UNKNOWN		QZ	CO			25.3	35	32	15		PB			PSGQ		
FR 26	10/00/81	3	HS	NONDIAGNOSTIC	UNKNOWN		QZ	BR			21.4	32	25	16		PB			UK		
FR 27	03/00/82	3	PP	PONCHARTRAIN	MIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO		S	18.6	77	29	7			M	Y	EDW	214	299
FR 28	07/00/82	3	DR	NONDIAGNOSTIC	UNKNOWN	A	OQ	CO	R	M	13.5	56	30	11		PB	M		PFQ	214	2
FR 29	02/00/83	3	PP	UNTYPED	UNKNOWN	A	OQ	CO		M	25.5	69	33	10	T		S	Y	PFQ	299	134
FR 30	05/00/83	3	PP	DALTON	PALEOINDIAN	S	QZ	PE	H	M	18.8	50	38	9			S		WWC	77	77
FR 31	06/00/85	3	PP	UNTYPED	UNKNOWN	U	CH	DE		S	13	45	36	8	P		M		EDW	299	2
FR 32	01/00/86	3	PP	UNTYPED	UNKNOWN	U	QZ	SB		H	9.2	36	28	9			H		UK	LTBLGY	LTPPGY
FR 33	10/00/86	3	PP	UNTYPED	UNKNOWN	U	CH	DE	T	M	5.9	41	20	6			A		EDW	214	2
FR 34	03/00/91	3	PP	CLOVIS	PALEOINDIAN	H	CH	CO		S	34.2	115	30	7			A		PEDW	GRBR	324
FR 35	05/00/92	3	PP	PLAINVIEW	PALEOINDIAN	P	CH	CO		S	11.5	51	25	7			A		EDW	134	134
FR 36	04/00/96	3	PP	SNAPPED-BASE STEMMED	MIDDLE/LATE ARCHAIC	A/UB	CH	CO	R	S	9.8	43	27	8		PB	M		UK	MB 21	MB 21
LV 1	1/4/1991	2	BF	PREFUGIO	PMIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO		H	21.2	85	25	8			S		TEC	3	BLWH/BR
LV 2	2/22/1991	2	BF	UNTYPED	ARCHAIC	U	CH	MD		M	6.1	33	21	6			S		EDW	214	2
LV 3	3/2/1991	2	PP	UNTYPED	UNKNOWN	P	CH	CO		S	7.1	46	21	7			A		EDW	134	134
LV 4	3/2/1991	2	PP	SAN PATRICE	PALEOINDIAN	P	SFH	BB		H	11.3	51	33	6			M		UK	134	BR/GR/GY
LV 5	3/18/1991	5	PP	PELICAN	PALEOINDIAN	H	CH	CO	H	H	4.4	30	25	5			S		EDW	77	77
LV 6	3/20/1991	2	DF/SC	NONDIAGNOSTIC	UNKNOWN		CH	CO		S	10.1	39	34	9		PB			EDWG	214	2
LV 7	3/29/1991	2	HS	NONDIAGNOSTIC	UNKNOWN		UI				133.3	50	41	39					ETXG		
LV 8	4/19/1991	2	HS	NONDIAGNOSTIC	UNKNOWN		UI				117.2	50	46	31					EDW		
LV 9	4/19/1991	2	PP	PKENT	PMIDDLE/TRANSITIONAL ARCHAIC	A	CCH	CO	H	S	7.9	38	21	9			A		PTEC	77	77
LV 10	5/4/1991	2	PP	WODEN	EARLY ARCHAIC	A	J/Q	CO		H	7.9	43	23	7			S		TEC	77	77
LV 11	5/6/1991	2	DF/SC	NONDIAGNOSTIC	UNKNOWN		CH	CO		M	1.9	29	15	4	T	PB			EDWG	299	324
LV 12	5/29/1991	5	DF/SC	NONDIAGNOSTIC	UNKNOWN		CH	CO		S	20.5	53	47	8		PB			EDWG	324	324
LV 13	6/11/1991	2	PP	UVALDE	EARLY ARCHAIC	P	CH	IF		H	6.5	45	22	7					PEDW	214	2
LV 14	8/3/1991	5	PP	HELL GAP	PALEOINDIAN	H	QZ	CO	H	H	7.7	45	24	7					PTEC/PSD	77	77
LV 15	8/6/1991	5	PP	UNTYPED	ARCHAIC	A	CH	CO		M	9.9	50	24	8	D		S		EDW	3	BLWH/ORMT
LV 16	10/25/1991	5	BF	NONDIAGNOSTIC	UNKNOWN		CH	BR		H	9.1	37	31	7		PB	M		I-10-3	134	324
LV 17	10/27/1991	2	BF	UNTYPED	UNKNOWN	U	CH	DE		M	8.5	40	24	9			M		EDW	115	214
LV 18	1/3/1992	2	PP	ELLIS	MIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO	R	M	4	30	20	7		PB			EDWG	77	77
LV 19	1/22/1992	5	BF	UNTYPED	UNKNOWN	U	CH	MD		H	4	19	28	6	T				EDW	77	77
LV 20	2/10/1992	5	PP	SAN PATRICE (KEITH)	PALEOINDIAN	P	CH	BB	R	H	5.6	34	24	7	T				EDW	115	115
LV 21	2/10/1992	5	PP	SAN PATRICE	PALEOINDIAN	U	CH	BB		M	4.5	33	23	6			S		EDW	3	204
LV 22	2/13/1992	5	PP	LANGE-LIKE	PLATE ARCHAIC	A	CH	CO		H	10.4	47	29	7		PB	M		EDWG	GYGR/BRMT	GRGY
LV 23	2/25/1992	5	BF	UNTYPED	UNKNOWN		UI	DE		H	5.7	29	21	8			H		GR(U)	77	77
LV 24	3/13/1992	5	BF	UNTYPED	PARCHAIC	U	CH	DE	R	S	12.9	53	28	7	P				EDW	134	324
LV 25	3/23/1992	5	PP	SCOTTSBLUFF	LATE PALEOINDIAN	A	CH	CO		S	12.5	75	21	7			S	Y	EDW	299	115
LV 26	3/30/1992	5	BF	UNTYPED (FLUTE/IF?)	UNKNOWN		UI	IF		M	7.1	0	30	6			S	Y	UK	115	115
LV 27	3/30/1992	5	DF/UF	NONDIAGNOSTIC	UNKNOWN		CH	CO		M	10.6	34	33	9		PB	S		EDWG	2	2
LV 28	3/30/1992	5	BF	UNTYPED	UNKNOWN	U	CH	MD		M	13.8	27	38	8					EDW	134	324
LV 29	4/1/1992	5	BF	UNTYPED	ARCHAIC	U	CH	BR		M	8.1	36	27	9	T		M	Y	EDW	GYGR/BRMT	77
LV 30	4/1/1992	5	PP	EVANS	MIDDLE ARCHAIC	U	CH	SB		H	8.7	37	30	7		PB			EDWG	GYGR/BRMT	77
LV 31	4/1/1992	5	DF/SC	NONDIAGNOSTIC	UNKNOWN		CH			H	15.7	50	32	8	D	PB	S		EDWG	77	77
LV 32	4/8/1992	5	BF	UNTYPED	ARCHAIC	U	CH	DE	R	S	6.7	38	20	7	P		M		EDW	115	115
LV 33	4/20/1992	5	PP	SAN PATRICE (KEITH)	PALEOINDIAN	P	CH	LB		H	1.7	25	8	5	T		M		EDW	GYGR/BRMT	GRGY

Artifactno	Datefound	Accuracy	Function	Diagnostic	Period	Basalgrind	Material	Complete	Reworked	Wear	Weight	Length	Width	Thickness	Heattreat	Cortex	Patina	Colordif	Lithsource	Uvshortwv	Uvlongwave
LV 34	4/23/1992	5	PP	PEARLY SIDE-NOTCHED	PLATE PALEOINDIAN	P	CH	CO	H	M	3.6	30	20	7	P	PB			EDWG	134	324
LV 35	4/30/1992	5	PP	DELHI	MIDDLE/LATE ARCHAIC	A	CH	CO	R	M	19.4	78	27	8			M	Y	EDW	204	GRGY/WHMT
LV 36	5/2/1992	2	PP	SAN PATRICE	PALEOINDIAN	P	CH	CO		S	10.5	56	26	5					EDW	115	214
LV 37	5/7/1992	5	BF	UNTYPED	LATE ARCHAIC	P	UI	CO	H/T	H	6.3	35	19	10	T				PEDW	77	77
LV 38	5/8/1992	5	PP	SAN PATRICE	PALEOINDIAN	P	CH	CO	R	M	2.8	26	19	6					EDW	299	134
LV 39	5/8/1992	5	PP	PALMILLAS	MIDDLE/LATE ARCHAIC	A	CH	CO		M	7.6	43	25	6			M		EDW	324	324
LV 40	5/10/1992	5	DF	NONDIAGNOSTIC	UNKNOWN		CH			M	17.8	35	39	13		PB	M		EDWG	214	299
LV 41	5/15/1992	5	PP	SAN PATRICE	PALEOINDIAN	P	CH	BB	R	H	3.7	28	23	6					EDW	3	324
LV 42	6/3/1992	5	BF	UNTYPED	UNKNOWN	U	CH	MD		M	8.2	32	22	6			S		EDW	115	115
LV 43	6/3/1992	5	PP	KEITHVILLE	LATE PALEOINDIAN	H	CH	CO	R	M	4.5	34	21	7			S		EDW	3	134
LV 44	6/6/1992	5	PP	UNTYPED	LATE ARCHAIC	U	CH	CO		M	12	68	20	7			H		EDW	3	2
LV 45	6/16/1992	5	UT	NONDIAGNOSTIC	UNKNOWN		CH			M	10.7	29	33	7					EDW	134	324
LV 46	6/29/1992	5	PP	EARLY LANCEOLATE	PALEOINDIAN	P	CH	PE		S	4	24	23	5			A		PPT/PSTJ	GR	77
LV 47	7/6/1992	5	BF	UNTYPED	UNKNOWN	P	CH	CO	H	M	4.4	30	15	8			S		EDW	77	77
LV 48	7/31/1992	5	BF	UNTYPED	UNKNOWN		CH	MD		M	4.5	19	27	7			S		EDW	299	299
LV 49	8/6/1992	5	PP	SAN PATRICE	PALEOINDIAN	P	CH	CO		S	7.8	45	28	6			A		EDW	134	134
LV 50	8/9/1992	5	PP	UNTYPED	ARCHAIC	U	SO	SB		H	6.5	36	21	7			M		PGR(U)	GRGY	77
LV 51	8/12/1992	5	PP	SAN PATRICE	PALEOINDIAN	P	CH	CO	R	M	7.2	42	24	6					EDW	115	134
LV 52	9/24/1992	5	PP	BIG SANDY	LATE PALEOINDIAN/EARLY ARCHAIC	P	CH	CO	H	M	11	48	21	10		PB			EDWG	115	115
LV 53	9/28/1992	2	PP	EARLY SIDE-NOTCHED	LATE PALEOINDIAN	P	PW	CO		M	7.2	39	22	8	T				UK	GRGY	324
LV 54	10/1/1992	2	PP	EARLY LANCEOLATE	PALEOINDIAN	P	CH	PE		H	5.5	30	22	7			S		EDW	214	2
LV 55	10/1/1992	5	PP	SCOTTSBLUFF	LATE PALEOINDIAN	P	CH	CO	R	M	10.3	50	24	8		PB			EDWG	299	299
LV 56	10/1/1992	5	PP	PSAN PATRICE	PPALEOINDIAN	U	CH	DE		M	3.2	25	15	5					EDW	299	2
LV 57	10/1/1992	5	FL	NONDIAGNOSTIC	UNKNOWN		CH	BR		S	2	23	21	3			A		EDW	77	77
LV 58	10/3/1992	5	PP	UNTYPED	UNKNOWN	A	SO	CO	H	H	10	40	25	8	P				UK	77	77
LV 59	10/15/1992	2	BF	UNTYPED	UNKNOWN	U	CH	DE		S	4.3	31	21	5			A		EDW	134	134
LV 60	10/15/1992	2	BTF/GV	NONDIAGNOSTIC	UNKNOWN		CH			S	1.4	20	18	3			A		EDW	2	2
LV 61	10/24/1992	5	PP	PALMILLAS	MIDDLE/LATE ARCHAIC	A	QC	CO	R	S	5	39	19	8	T				PEDW	77	77
LV 62	10/24/1992	5	BF	UNTYPED	UNKNOWN	U	CH	DE		H	2.4	27	17	5			T		EDW	115	214
LV 63	10/29/1992	5	BF	UNTYPED	PPALEOINDIAN	U	HM	BR	T	H	6	31	23	17					PGR(U)	GRGY	324
LV 64	11/2/1992	2	BF	UNTYPED	UNKNOWN	U	UI	CO	H	H	4.8	43	14	6			H		UK	77	324
LV 65	11/8/1992	5	BF	UNTYPED	UNKNOWN	U	UI	MD/NB		H	10	32	25	8	D		M		PEDW	3	WH/RDBRMT
LV 66	11/16/1992	5	PP	UNTYPED	UNKNOWN	P	CH	CO	R	H	5.9	34	26	7			M		EDW	77/ORBRRDMT	77
LV 67	11/16/1992	5	PP	BIG SANDY	LATE PALEOINDIAN/EARLY ARCHAIC	U	CH	TB/NB		H	20.3	58	30	9			H		EDW	115	115
LV 68	11/16/1992	5	BF	UNTYPED	UNKNOWN	U	CH	DE		H	6.6	34	25	8			H		EDW	77	77
LV 69	11/16/1992	5	PP	UNTYPED	UNKNOWN	U	CH	CO	H	H	10.8	48	23	11					EDW	3	GY/YLORMT
LV 70	11/18/1992	5	USC	UNTYPED	UNKNOWN		CH	BR		H	2.5	17	16	5			S		EDW	299	324
LV 71	11/18/1992	5	HS	NONDIAGNOSTIC	UNKNOWN		QZ				202.3	72	47	38					UK		
LV 72	12/7/1992	5	PP	DAWSON	MIDDLE ARCHAIC	A	CH	CO	H	M	12	56	25	10			M		EDW	299	134
LV 73	12/7/1992	5	BF	UNTYPED	UNKNOWN	U	CH	SB		S	8.4	54	24	6			S	Y	EDW	299	324
LV 74	12/13/1992	5	UF	NONDIAGNOSTIC	UNKNOWN		CH		T	M	9.7	45	28	7			S		EDW	77/WHBN	77/WHBN
LV 75	12/16/1992	5	PP	MOTLEY	MIDDLE/LATE ARCHAIC	P	CH	CO	R	H	8.7	48	22	8			M		EDW	115	115
LV 76	12/22/1992	5	UF	NONDIAGNOSTIC	UNKNOWN		QC			M	13.4	49	24	9					EDW	299	134
LV 77	12/25/1992	5	PAP	PSCALLORN	LATE PREHISTORIC	P	CH	CO		S	4	41	16	6			S		EDW	299	GYRD
LV 78	12/27/1992	5	PP	SAN PATRICE (KEITH)	PALEOINDIAN	P	CH	CO	R	S	5.5	34	24	6					EDW	77	77
LV 79	1/5/1993	5	BF	UNTYPED	UNKNOWN	U	SO	BR	H	H	4.3	31	20	6			M		UK	77	77
LV 80	1/5/1993	5	PP	FIGUEROA	TRANSITIONAL ARCHAIC	U	CH	CO		H	2.7	30	17	5			H	Y	EDW	77	77
LV 81	1/16/1993	5	BF	UNTYPED	UNKNOWN	U	CH	SB	R	S	13.4	41	34	8	P				EDW	299	OR/RDMT
LV 82	1/16/1993	5	PP	SAN PATRICE	PALEOINDIAN	P	CH	CO		M	9.4	53	26	5			S		EDW	3	3
LV 83	1/18/1993	5	PP	CLOVIS	PALEOINDIAN	A	CH	BR	T	S	14.9	54	29	8			S		EDW	204	GY/BRMT
LV 84	1/21/1993	5	PP	PGARY	PMIDDLE/TRANSITIONAL ARCHAIC	A/UB	CH	CO	H	H	8.6	45	22	9		PB	M		EDWG	77	77
LV 85	1/21/1993	5	PP	ENSOR	TRANSITIONAL ARCHAIC	P	SO	CO		H	2.4	22	17	5		PB	T		PLRG	77	77
LV 86	1/22/1993	5	PP	SAN PATRICE	PALEOINDIAN	P	CH	PE		M	6	30	28	6	P	PB			EDWG	214	2
LV 87	1/22/1993	5	PP	SAN PATRICE (KEITH)	PALEOINDIAN	P	CH	CO	R	M	3.4	29	21	6	P		S		EDW	3	3
LV 88	1/22/1993	5	PP	GODLEY	LATE ARCHAIC/LATE PREHISTORIC	U	UI	CO	H	H	4.9	38	18	8			H		UK	77	77
LV 89	1/30/1993	5	PP	KENT	MIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO	R	M	7.8	46	20	9	P				EDW	134	DKGR
LV 90	2/1/1993	5	PP	KENT	MIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO	R	S	13.4	67	25	9	T				EDW	77	77
LV 91	2/4/1993	5	BF	UNTYPED	UNKNOWN	U	CH	DE		H	8	42	26	7	D	PB	M		EDWG	3	OR/RDMT
LV 92	2/12/1993	5	PP	SAN PATRICE (KEITH)	PALEOINDIAN	P	CH	CO		M	4.6	29	20	6			M		MF	77	77
LV 93	2/12/1993	5	PP	LANGE-LIKE	PLATE ARCHAIC	U	UI	CO		H	8.8	38	26	9			H		UK	3	OR/RDMT
LV 94	2/14/1993	5	PP	UNTYPED	UNKNOWN	A	CH	DE	T	H	6.6	39	23	9	T		H		EDW	3	OR/RDMT
LV 95	2/14/1993	5	PP	SAN PATRICE (KEITH)	PALEOINDIAN	P	CH	BB	H	M	2.7	25	18	7	T	PB			EDWG	324	324
LV 96	2/16/1993	5	BF	UNTYPED	UNKNOWN	U	CH	PE		H	3.8	25	18	6			S		EDW	77	77
LV 97	2/16/1993	5	PP	ELLIS	MIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO	H	S	6.6	34	27	8					EDW	115	214
LV 98	2/16/1993	5	PP	PELICAN/SAN PATRICE	PALEOINDIAN	P	CH	CO	H	M	5.6	34	26	7	T		M		EDW	77	77
LV 99	2/18/1993	5	PP	LANGE-LIKE	PLATE ARCHAIC	A	CH	CO	R	S	8.4	43	25	8	D		M		EDW	77	77
LV 100	2/23/1993	5	PP	KENT	MIDDLE/TRANSITIONAL ARCHAIC	U	CH	CO		M	3.9	34	18	7			M		EDW	77	77
LV 101	2/23/1993	5	PP	EARLY STEMMED LANC	LATE PALEOINDIAN	P	CH	CO	T	S	197	74	23	9			A		EDW	299	2
LV 102	2/23/1993	5	PP	ENSOR	TRANSITIONAL ARCHAIC	A	CH	CO	R	M	4.8	47	17	6			S	Y	EDW	2	2
LV 103	2/26/1993	5	PP	ELLIS	MIDDLE/TRANSITIONAL ARCHAIC	U	UI	PE		H	4.5	20	20	11			H		UK	77	77
LV 104	3/9/1993	5	BF	UNTYPED	UNKNOWN	U	CH	DE		M	8.9	37	27	8			S		PEDWG	3	3
LV 105	3/11/1993	5	BF	UNTYPED	UNKNOWN	U	CH	SB		M	7	31	25	8		PB			EDWG	2	324

Artifactno	Datefound	Accuracy	Function	Diagnostic	Period	Basalgrind	Material	Complete	Reworked	Wear	Weight	Length	Width	Thickness	Heattreat	Cortex	Patina	Colordif	Lithsource	Uvshortwv	Uvlongwave
LV 106	3/11/1993	5	PP	PELICAN	PALEOINDIAN	A	PW	TB		M	6.1	28	24	7			A		UK	GR	77
LV 107	3/19/1993	5	PP	PELICAN	PALEOINDIAN	U	CH	BB	R	S	5.7	27	28	6			A		EDW	3	RD/ORMT
LV 108	3/25/1993	5	BF	UNTYPED	UNKNOWN	U	CH	DE		M	6.4	41	20	6			M	Y	EDW	324	77
LV 109	3/28/1993	5	PP	SAN PATRICE	PALEOINDIAN	P	CH	CO	R	M	6.5	36	26	6			M		EDW	324	324
LV 110	3/31/1993	5	PP	LANGE-LIKE	PLATE ARCHAIC	A	CH	CO		S	10.9	45	27	9			A		PEDW	77	77
LV 111	4/3/1993	5	PP	SAN PATRICE (KEITH)	PALEOINDIAN	P	CH	CO		M	4.8	32	22	6		PB	S		EDWG	77	77
LV 112	4/5/1993	5	PP	SAN PATRICE	PALEOINDIAN	P	UI	CO	R	H	1.8	20	18	5			H		UK	77	77
LV 113	4/8/1993	5	BF	UNTYPED	UNKNOWN	U	PW	DE	T	H	7.5	40	23	7			H		UK	BR/BK/WH/OR	BR/BK/WH/OR
LV 114	4/8/1993	5	PP	KENT	MIDDLE/TRANSITIONAL ARCHAIC	A	QC	TB		M	10.9	48	24	8			S	Y	EDWG(MQTX)	77	77
LV 115	4/10/1993	5	USC	UNTYPED	PPALEOINDIAN		CH	BR		M	9	27	26	8			M		EDW	OR/WH	OR/WH
LV 116	4/12/1993	5	PP	SCOTTSBLUFF	LATE PALEOINDIAN	A	CH	PE		S	8.5	28	30	8					EDW	134	134
LV 117	4/15/1993	5	PP	SAN PATRICE	PALEOINDIAN	P	QZ	CO		M	7.8	47	26	6					TEC	77	77
LV 118	4/15/1993	5	PP	SAN PATRICE	PALEOINDIAN	P	CH	PE/NB		M	6.1	26	28	6	P		M		EDW	RD/ORMT	RD/ORMT
LV 119	4/17/1993	5	PP	SAN PATRICE	PALEOINDIAN	P	QZ	BB		H	7.2	38	25	6	T				FQ	BLGY/BKMT	BLGY/BKMT
LV 120	4/17/1993	5	AZ/GO	DALTON/CLEAR FORK	PALEOINDIAN		SO	DE		H	4.9	22	25	9		PB	M		CF	77	77
LV 121	4/17/1993	5	PP	PLAINVIEW	PALEOINDIAN	A	CH	TB		M	9.1	41	21	7			M		PEDW	77	77
LV 122	4/17/1993	5	AP	PERDIZ	LATE PREHISTORIC	A	CH	TB		M	1.5	28	17	3			S		EDW	3	3
LV 123	4/17/1993	2	PP	DALTON	PALEOINDIAN	P	CH	PE	R	M	7.7	39	26	6	P		M		EDW	324	324
LV 124	4/26/1993	5	PP	DAWSON	MIDDLE ARCHAIC	A	CH	CO	H	S	6.3	39	19	7			M	Y	EDW	2	2
LV 125	5/6/1993	5	PP	DALTON	PALEOINDIAN	U	CH	BB	R	M	8.9	41	22	8					EDW	2	2
LV 126	5/6/1993	5	BF	UNTYPED	UNKNOWN		PW	MD		M	9.5	32	34	6					UK	77	77
LV 127	5/7/1993	5	PP	WELLS	EARLY ARCHAIC	U	PW	CO	H	H	4.5	36	18	6					UK	77	77
LV 128	5/10/1993	5	PP	LANGE-LIKE	PLATE ARCHAIC	U	CH	CO		H	9.8	41	27	10		PB			EDWG	77	77
LV 129	5/12/1993	5	UF	PFOLSOM	PPALEOINDIAN		CH	BR		S	1.7	22	18	4					EDW	77	77
LV 130	5/15/1993	5	PP	EPPS	MIDDLE/LATE ARCHAIC	A	CH	CO	H	S	13.4	68	21	8			A		EDW	299	134
LV 131	5/23/1993	5	PP	ELLIS	MIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO	R	M	5.7	37	22	6		PB	T		EDWG	DKGR	DKGR
LV 132	5/28/1993	5	BF	UNTYPED	UNKNOWN	U	CH	DE		M	3.5	25	20	6			S	Y	EDW	77	324
LV 133	5/28/1993	5	PP	HARDIN	LATE PALEOINDIAN/EARLY ARCHAIC	A	CH	CO	H	S	18.3	63	29	10			A		EDW(GT)	LTGR	214
LV 134	5/31/1993	5	HS	NONDIAGNOSTIC	UNKNOWN		UI				134.2	79	38	29					OM		
LV 135	6/5/1993	5	PP	PALMILLAS	MIDDLE/LATE ARCHAIC	U	CH	CO		H	5.8	38	21	7					EDW	2	324
LV 136	6/5/1993	5	BF	UNTYPED	UNKNOWN	U	CH	DE/NB		M	4.2	28	30	6	D		M		EDW	214	134
LV 137	6/10/1993	5	PP	GARY	MIDDLE/TRANSITIONAL ARCHAIC	A	CH	BM/NB		M	12.4	47	28	9			M	Y	EDW	115	115
LV 138	6/13/1993	5	PP	SAN PATRICE	PALEOINDIAN	U	CH	BB	T	M	2.7	23	19	6	P	PB			EDWG	77	77
LV 139	6/16/1993	5	PP	MOTLEY	MIDDLE/LATE ARCHAIC	A	CH	IF		S	14.9	63	25	8	P		M		EDW	77	77
LV 140	6/18/1993	5	PP	EPPS	MIDDLE/LATE ARCHAIC		CH	PE		M	8.4	37	26	8			M		EDW	214	115
LV 141	6/18/1993	5	UT/HE	NONDIAGNOSTIC	UNKNOWN	A	CH	CO		S	3.7	25	18	7	T	PB	M		EDWG	77	77
LV 142	6/21/1993	2	DR	NONDIAGNOSTIC	UNKNOWN	U	CH	MD/NB	T	M	15.7	44	27	8		OR	M	Y	EDW	214	299
LV 143	6/23/1993	5	BF	PKENT	PMIDDLE/TRANSITIONAL ARCHAIC	U	CH	TB	T	M	10.8	53	22	7			S		EDW	134	2
LV 144	6/24/1993	5	PP	LANGE-LIKE	PLATE ARCHAIC	U	CH	CO		H	11.2	47	27	11		PB	M		EDWG	OR/GY/WHMT	OR/GY/WH/BR
LV 145	6/24/1993	5	SC/HE	PSAN PATRICE/PELICAN	PPALEOINDIAN	P	CH	CO	H	M	3.8	22	24	6			M	Y	JOC(L)	2	2
LV 146	6/28/1993	5	BF	UNTYPED	UNKNOWN	U	CH	DE		S	10.2	57	22	7			S		EDW	299	214
LV 147	7/10/1993	5	PP	PONCHARTRAIN	MIDDLE/TRANSITIONAL ARCHAIC	A	QZ	CO		S	25.4	80	28	9			M	Y	JF/SS	77	77
LV 148	7/19/1993	5	PP	GARY	MIDDLE/TRANSITIONAL ARCHAIC	A	NV	PE		H	8.7	28	29	9					AKN/PEDW	77	77
LV 149	08/00/93	5	DF/SP/GV	NONDIAGNOSTIC	UNKNOWN		CH	CO		H	5.8	26	23	8		PB	M	Y	EDWG	77	77
LV 150	8/15/1993	5	DF/SC	UNTYPED	PPALEOINDIAN		QC	BR		H	2	18	19	4		PB			EDWG	214	77
LV 151	8/31/1993	5	PP	MORRILL	EARLY/MIDDLE ARCHAIC	U	PW	CO	R	H	7.1	37	20	9		OR	T		UK	OR/GY/WHMT	OR/GY/WH/BR
LV 152	8/31/1993	5	PP	HARDIN	LATE PALEOINDIAN/EARLY ARCHAIC	P	CH	PE		S	14.6	34	37	9			M		EDW	2	2
LV 153	9/20/1993	5	PP	PKENT	PMIDDLE/TRANSITIONAL ARCHAIC	A/UB	CH	CO		H	10.1	50	21	10			M	Y	EDW	3	134
LV 154	9/23/1993	5	BF	UNTYPED	UNKNOWN	U	CH	DE		H	9.2	38	23	10			T		EDW	BLGY/BKMT	BLGY/BKMT
LV 155	10/7/1993	5	BF	UNTYPED	UNKNOWN	U	CH	DE		S	5.1	29	24	6			A		EDW	214	2
LV 156	10/15/1993	5	BF/BS	UNTYPED	UNKNOWN	U	CH	BB	R	S	8.7	46	24	7					EDW	3	134
LV 157	10/15/1993	5	PP	GODLEY	LATE ARCHAIC/LATE PREHISTORIC	A	CH	CO	R	M	5.6	38	17	7					EDW	WH/OR/GYMT	WH/YL/OR/BR
LV 158	10/27/1993	2	PP	CLIFTON	LATE PREHISTORIC	U	QZ	DE	T	M	3	34	18	6					UK	77	77
LV 159	10/31/1993	5	BF	ALBANY	PALEOINDIAN	P	CH	PE	T	H	3.4	26	19	6		PB		Y	EDW	77	77
LV 160	11/15/1993	5	PP	PELLIS	PMIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO	R	S	8	40	23	9					EDW	2	324
LV 161	11/5/1993	5	PP	DALTON COMPLEX	PALEOINDIAN	P	CH	CO	H	M	3.6	31	21	7					EDW	214	2
LV 162	11/7/1993	5	PP	DALTON COMPLEX	PALEOINDIAN	P	CH	CO	H	M	3.1	31	21	6	T				EDW	324	77
LV 163	11/11/1993	5	BF	UNTYPED	UNKNOWN	U	CH	DE/IF		H	6	37	24	6			M	Y	EDW	134	324
LV 164	11/14/1993	5	BF	UNTYPED	UNKNOWN	U	CH	DE/IF		M	3.9	27	21	6			M		EDW	299	2
LV 165	11/14/1993	5	PB/SC/GV	UNTYPED	PALEOINDIAN		CH	CO		S	7.4	43	22	7					EDW	324	324
LV 166	11/14/1993	5	PP	EDGEWOOD	TRANSITIONAL ARCHAIC	A	CH	CO	H	H	5.8	30	22	9			M		EDW	77	77
LV 167	11/14/1993	5	BF	UNTYPED	UNKNOWN	U	CH	SB		M	4.2	27	22	7			M		EDW	77	77
LV 168	12/1/1993	5	PP	PMARSHALL	PLATE MIDDLE ARCHAIC	U	UI	PE		H	7	27	29	7			H		PEDW	77	77
LV 169	12/5/1993	5	BF	UNTYPED	UNKNOWN	U	CH	DE/NB		H	7.3	32	22	9			M		EDW	3	OR/BR/GYMT
LV 170	12/5/1993	5	PP	ENSOR	TRANSITIONAL ARCHAIC	U	CH	SB		M	7.3	44	25	6					EDW	77	77
LV 171	12/8/1993	5	PP	ELLIS	MIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO	H	M	4.7	31	21	8			H		EDW	77	77
LV 172	12/15/1993	5	DR	NONDIAGNOSTIC	UNKNOWN		CH	CO	H	S	6.4	47	15	7			M		EDW	324	2
LV 173	12/21/1993	5	BF	UNTYPED	UNKNOWN	U	CH	DE		M	2.8	26	24	5			M	Y	EDW	214	324
LV 174	12/21/1993	5	PP	GARY	MIDDLE/TRANSITIONAL ARCHAIC	U	CH	PE		H	6.1	28	27	7		PB	H		EDWG	3	OR/BR/GYMT
LV 175	12/25/1993	5	UF	NONDIAGNOSTIC	UNKNOWN		CH	BR		S	12	42	44	5			M		EDW	115	115
LV 176	12/29/1993	5	PP	SCOTTSBLUFF	LATE PALEOINDIAN	A	CH	PE		S	6.2	23	30	6			S		EDW	134	324
LV 177	12/31/1993	5	BF	UNTYPED	UNKNOWN	U	UI	DE		H	3.7	21	22	7			H		UK	214	299

Artifactno	Datefound	Accuracy	Function	Diagnostic	Period	Basalgrind	Material	Complete	Reworked	Wear	Weight	Length	Width	Thickness	Heattreat	Cortex	Patina	Colordif	Lithsource	Uvshortwv	Uvlongwave
LV 178	1/3/1994	5	PP	KEITHVILLE	LATE PALEOINDIAN	H	CH	CO		H	2.5	26	17	5			M		EDW	214	214
LV 179	1/3/1994	5	PP	DALTON	PALEOINDIAN	P	CH	BB	H	M	5.3	30	28	7	T		M		EDW	115	3
LV 180	1/8/1994	5	UF/GV	NONDIAGNOSTIC	UNKNOWN		CH	CO		H	2.2	25	17	4					EDW	77	77
LV 181	1/8/1994	5	PP	KEITHVILLE	LATE PALEOINDIAN	P	CH	CO	R	M	3.5	28	18	7			B		EDW	134	77
LV 182	1/8/1994	5	DR	NONDIAGNOSTIC	UNKNOWN	U	CH	MD/NB	T	S	13.3	38	26	9			M	Y	EDW	214	214
LV 183	1/24/1994	2	PP	ELLIS	MIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO	R	M	5.1	33	20	7			M		EDW	77	77
LV 184	1/24/1994	2	DF/BL/SC	NONDIAGNOSTIC	UNKNOWN		CH	CO		S	13.2	61	30	6		PB	A		EDWG	299	134
LV 185	1/24/1994	2	BF/GV	NONDIAGNOSTIC	UNKNOWN		CH	CO		S	55.3	55	40	22			S		EDW	299	299
LV 186	1/28/1994	5	PP	HOXIE	EARLY ARCHAIC	P	CH	IF	T	M	4.7	40	15	6			M		EDW	214	2
LV 187	2/6/1994	5	PP	PMACON	PMIDDLE/LATE ARCHAIC	A	CH	CO		S	8.9	51	27	8					EDW	DKGR	77
LV 188	2/15/1994	5	BF	UNTYPED	UNKNOWN	U	CH	SB		M	5.1	37	23	5			M		EDW	GR	77
LV 189	2/18/1994	5	DR	DALTON	PALEOINDIAN	A	CH	CO	R	S	2	35	15	5					EDW	77	77
LV 190	3/19/1994	5	BF	UNTYPED	UNKNOWN	U	PW	SB	R	M	7.3	40	23	8	P	OR	M		UK	77	77
LV 191	3/24/1994	5	PD	NONDIAGNOSTIC	UNKNOWN		QZ	CO			8.7	33	33	5			NA	NA	UK		
LV 192	3/27/1994	5	BF	UNTYPED	UNKNOWN		CH	BR	PT	M	10.8	42	26	8					EDW	77	77
LV 193	4/3/1994	5	PP	KEITHVILLE	LATE PALEOINDIAN	P	CH	CO	H	H	2.2	23	18	6					EDW	77	77
LV 194	4/10/1994	5	PP	KEITHVILLE	LATE PALEOINDIAN	P	CH	CO	H	H	1.9	17	17	7			M		EDW	324	324
LV 195	4/13/1994	2	PP	PLAINVIEW	PALEOINDIAN	A	CH	CO		M	5.3	38	19	6			M	Y	PWWC	OR/WHMT	OR/WHMT
LV 196	4/13/1994	2	PP	LANGE	LATE ARCHAIC	A	CH	IF	R	S	11.7	56	27	8			S		EDW	115	115
LV 197	4/19/1994	5	PP	BIG SANDY	LATE PALEOINDIAN/EARLY ARCHAIC	P	CH	TB		H	5.2	37	20	5			M		EDW	2	324
LV 198	4/25/1994	2	PP	ELLIS	MIDDLE/TRANSITIONAL ARCHAIC	U	CH	PE/NB		H	6.6	27	25	9			H		EDW	77	77
LV 199	4/25/1994	5	FL/KN	NONDIAGNOSTIC	UNKNOWN		CH	CO		S	9.7	51	23	7	P	PB			EDWG	77	77
LV 200	4/30/1994	2	PP	SAN PATRICE (KEITH)	PALEOINDIAN	P	PW	BB/NB		H	2.8	28	21	5			H		UK	2	324
LV 201	5/2/1994	5	PP	ELLIS	MIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO	R	M	4.9	34	20	8			M		EDW	77	77
LV 202	5/2/1994	5	PP	PSCOTTSBLUFF	PLATE PALEOINDIAN	U	CH	IF/BR	T	H	6.3	42	24	6			M		EDW	299	134
LV 203	5/5/1994	5	PP	UVALDE	EARLY ARCHAIC		UI	AM			5.1	0	0	0					UK		
LV 204	5/8/1994	5	PP	ENSOR	TRANSITIONAL ARCHAIC	A	CH	TB	R	M	4.1	36	20	6			S		EDW	115	3
LV 205	5/8/1994	5	PP	WILLIAMS	MIDDLE/LATE ARCHAIC	A	CH	CO	R	S	18.9	65	33	9			S	Y	EDW	115	299
LV 206	5/8/1994	5	PP	ELAM	LATE ARCHAIC	A	CH	CO	R	H	5.3	30	23	7		PB			EDWG	77	77
LV 207	5/10/1994	5	PP	SCOTTSBLUFF	LATE PALEOINDIAN	A	CH	PE	T	M	9.8	40	31	6	P	PB			EDWG	214	214
LV 208	5/10/1994	5	PP	UNTYPED	UNKNOWN	P	CH	CO	H	M	5.2	38	17	7		PB			EDWG	77	77
LV 209	5/19/1994	5	PP	PEARLY STEMMED LANC	PLATE PALEOINDIAN	A	CH	PE		S	11.3	50	24	7			A		EDW	2	2
LV 210	5/28/1994	2	PP	CLOVIS/DALTON	PALEOINDIAN	A	CH	CO	H	M	8.8	42	25	7					EDW	DKGR	DKGR
LV 211	6/2/1994	5	PP	PLANGE	PLATE ARCHAIC	A	CH	CO	R	H	19.8	56	33	13			S		EDW	WH/OR/YL/BR	WH/OR/YL/BR
LV 212	6/2/1994	5	BF	UNTYPED	UNKNOWN	U	CH	DE/NB	R	S	5.1	38	17	6			M		EDW	324	324
LV 213	6/11/1994	5	BF	UNTYPED	UNKNOWN		CH	CO		M	13	49	24	11			M		EDW	3	DKGR
LV 214	6/18/1994	2	PP	PALMER	PALEOINDIAN	A	CH	TB/NB		M	7.5	38	22	9			M		EDW	3	DKGR
LV 215	6/24/1994	5	PP	MARSHALL	LATE MIDDLE ARCHAIC	A	CH	CO		M	10.4	50	28	7			S		EDW	BLGYMT	BLBKMT
LV 216	6/28/1994	5	PP	LANGE-LIKE	PLATE ARCHAIC	A	CH	CO		S	9.6	43	26	10					EDW	77	77
LV 217	7/8/1994	2	PP	KENT	MIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO		S	7.8	54	21	7					EDW	77	MB 21
LV 218	7/13/1994	5	BF	UNTYPED	UNKNOWN	A	CH	IF		S	10.3	41	27	7					EDW	77	77
LV 219	7/14/1994	5	UF/BL	NONDIAGNOSTIC	UNKNOWN		PW	BR/NB		S	7.8	26	30	6			M		UK	77	77
LV 220	7/24/1994	2	PP	KEITHVILLE	LATE PALEOINDIAN	P	CH	CO	R	M	5.4	35	26	6					EDW	77	77
LV 221	8/5/1994	5	PP	AFTON	MIDDLE/LATE ARCHAIC	A	CH	CO		M	14.1	53	35	7					WFC	77	77
LV 222	8/5/1994	5	PP	PALMILLAS	MIDDLE/LATE ARCHAIC	U/UB	CH	CO	R	H	5.5	32	23	8		PB	T		EDWG	77	77
LV 223	8/15/1994	5	AP	FRILEY	LATE PREHISTORIC	A	CH	CO		S	1.3	23	17	5					PQCSG	77	77
LV 224	8/28/1994	2	FL	NONDIAGNOSTIC	UNKNOWN		PW	CO		S	13.6	57	35	9					UK	GR/BRBN	OR/BRBN
LV 225	8/28/1994	5	PP	ENSOR	TRANSITIONAL ARCHAIC	A	CH	CO		M	6.1	35	21	7					GR(U)	77	77
LV 226	9/16/1994	2	PP	PONCHARTRAIN	MIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO		S	12.4	63	28	7	T		A		PEDW	299	2
LV 227	9/16/1994	5	PP	GODLEY	LATE ARCHAIC/LATE PREHISTORIC	A	CH	CO		M	7.6	44	21	6					EDW	77	77
LV 228	9/16/1994	2	PL	POVERTY POINT	MIDDLE/TRANSITIONAL ARCHAIC		DT	CO			75.3	97	22	20					PHS		
LV 229	9/19/1994	2	PP	PCASTROVILLE	PLATE ARCHAIC	A	CH	CO	H	S	16.9	58	30	10					MF	77	77
LV 230	9/22/1994	5	PP	EVANS	MIDDLE ARCHAIC	U	CH	SB		H	7.3	39	22	8			S	Y	EDW	77	77
LV 231	9/26/1994	5	PP	PEPPS	PMIDDLE/LATE ARCHAIC	A	CH	CO	H	M	5.7	36	21	8		PB	M		EDWG	134	2
LV 232	9/26/1994	5	AP	SCALLORN	LATE PREHISTORIC	A	CH	SB		M	1.9	30	18	5	D				WSF	134	DKGR
LV 233	9/30/1994	5	PP	ENSOR	TRANSITIONAL ARCHAIC	A	OC	CO		H	4.1	32	19	6		PB			GR(U)	GR	324
LV 234	9/30/1994	5	AZ/GO	CLEAR FORK	PEARLY ARCHAIC		CH	CO		S	30.2	71	33	10		OR	S		EDW	3	BR
LV 235	10/1/1994	2	PP	PRICE LOBED	PPALEOINDIAN	P	CH	CO		S	11.9	50	27	7					PARB	BLGYMT	BLBKMT
LV 236	10/13/1994	5	BF	UNTYPED	UNKNOWN	U	CH	SB		S	17.8	53	34	7			A		EDW	134	BR
LV 237	10/16/1994	2	BF	UNTYPED LANCEOLATE	UNKNOWN	U	CH	MD/IF		H	6.1	35	20	6			M		PEDW	134	RD/ORMT
LV 238	10/20/1994	5	DF/KN/HE	NONDIAGNOSTIC	UNKNOWN		CH	CO		S	18.7	59	40	6		PB	A		EDWG	77	77
LV 239	10/20/1994	5	PP	UNTYPED	UNKNOWN	P	CH	CO	R	H	3.9	33	18	6			M		EDW	324	77
LV 240	10/20/1994	5	BF	UNTYPED	UNKNOWN	U	CH	BR	R	M	7.7	45	23	6			M	Y	EDW	BR/GRMT	324
LV 241	10/23/1994	5	BF	UNTYPED	UNKNOWN	U	CH	MD		M	3	17	21	5			M	Y	EDW	77	77
LV 242	10/26/1994	5	BF	UNTYPED	UNKNOWN	U	CH	DE		M	4.2	24	24	7			M		EDW	77	77
LV 243	10/26/1994	5	BF	UNTYPED	UNKNOWN	U	CH	DE		H	4.1	24	21	8			M		EDW	115	115
LV 244	10/26/1994	2	DF/BSC	NONDIAGNOSTIC	UNKNOWN		CH	CO		S	20.9	69	33	7		PB	S		EDWG	134	134
LV 245	10/28/1994	5	BF	UNTYPED	UNKNOWN	A	CH	BR		H	6.8	40	20	6			M		EDW	214	214
LV 246	10/31/1994	5	PP	CLOVIS	PALEOINDIAN	P	CH	PE	T	S	10.7	46	0	7	T		H		PEDW	77	77
LV 247	10/31/1994	5	UF	NONDIAGNOSTIC	UNKNOWN		CH	BR		M	7.7	47	29	4	P		S	Y	EDW	134	134
LV 248	10/31/1994	5	PP	EPPS	MIDDLE/LATE ARCHAIC	A	CH	SB	H/T	M	11.4	47	30	10			S		PEDW/PKRF	77	77
LV 249	11/3/1994	5	BF	UNTYPED	UNKNOWN	U	CH	DE		M	6.4	30	24	6			M		PEDWG	77	77

Artifactno	Datefound	Accuracy	Function	Diagnostic	Period	Basalgrind	Material	Complete	Reworked	Wear	Weight	Length	Width	Thickness	Heattreat	Cortex	Patina	Colordif	Lithsource	Uvshortwv	Uvlongwave
LV 250	11/7/1994	2	USC	NONDIAGNOSTIC	UNKNOWN		CH	BR		M	13.3	40	27	10		PB	A		EDWG	299	2
LV 251	11/11/1994	5	PP	SAN PATRICE	PALEOINDIAN	P	CH	CO	R	M	6.2	40	24	6			S	Y	EDW	299	OR/PP
LV 252	11/11/1994	5	PP	CLOVIS	PALEOINDIAN	H	CH	CO	R	S	41.6	115	30	10			M	Y	EDW	DKGR	324
LV 253	11/13/1994	5	PP	PKEITHVILLE	PLATE PALEOINDIAN	H	CH	BB		H	3.9	32	20	6	P	PB	H		EDWG	OR/BR/GR	BK\BR\GY
LV 254	11/16/1994	5	PP	SCOTTSBLUFF	LATE PALEOINDIAN	A	CH	PE		M	14.4	45	33	6			H		EDW	WH/ORMT	115
LV 255	11/22/1994	5	PP	EARLY SIDE-NOTCHED	LATE PALEOINDIAN	H	CH	CO		H	4.4	33	20	6		PB			EDWG	77	77
LV 256	11/22/1994	5	BF	UNTYPED	UNKNOWN	U	CH	DE	T	S	6.6	42	20	8		PB			EDWG	77	77
LV 257	11/25/1994	5	PP	EDGEWOOD	TRANSITIONAL ARCHAIC	A	CH	CO	R	S	2.1	27	16	6					EDW	DKBLGR	77
LV 258	11/27/1994	5	PP	PEDERNALES	MIDDLE ARCHAIC	A	CH	CO	H	S	14.4	65	38	8			H		EDW	204	GR/GY/BR
LV 259	11/29/1994	5	UT	NONDIAGNOSTIC	UNKNOWN		PW			M	14.3	48	44	5					UK	3	WH/LTOR
LV 260	12/9/1994	5	AX/AZ	PFOURCHE MAL/PDALTON	PPALEOINDIAN		CH	CO	H	M	33	61	31	14					KKC	GY/GR/BR	DKGR/GY
LV 261	12/18/1994	5	BF	PSCOTTSBLUFF	PLATE PALEOINDIAN	U	CH	MD		M	8.8	28	30	7			A		EDW	324	324
LV 262	12/4/1994	5	AW/DR	UNTYPED	UNKNOWN	U	QC	DE		H	4	33	13	5			H		UK	MB 21	MB 21
LV 263	12/23/1994	5	UT	NONDIAGNOSTIC	UNKNOWN		CH			H	9.6	45	33	7			H		PEDW	324	77
LV 264	12/26/1994	5	BF	UNTYPED	UNKNOWN	U	CH	DE		M	7.2	41	25	7					EDW	134	DKGR/GY
LV 265	12/30/1994	5	PP	PTORTUGAS	PLATE MIDDLE ARCHAIC	U	CH	BB		M	5.2	37	28	5					EDW	115	134
LV 265A	1/1/1995	2	PP	EDGEWOOD	TRANSITIONAL ARCHAIC	U	CH	SB		H	4.5	32	21	7		PB			PEDWG	324	324
LV 266	1/1/1995	5	PP	SAN PATRICE	PALEOINDIAN	P	PW	CO	R	H	6.5	40	25	6			H		UK	115	RD/ORMT
LV 267	1/1/1995	2	PP	ELLIS	MIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO	R	M	5.3	36	21	6		OR			EDW	299	2
LV 268	1/13/1995	5	PP	YARBROUGH	LATE/TRANSITIONAL ARCHAIC	A	CH	CO		M	12.4	53	27	9			H	Y	EDW	299	134
LV 269	1/13/1995	5	FL/USC	NONDIAGNOSTIC	UNKNOWN		CH	BR/NB		H	14.2	31	34	9		PB	M		EDWG	214	134
LV 270	1/19/1995	5	PP	LANGE	LATE ARCHAIC	A	CH	IF/NB	H	M	26.3	83	30	9			H		EDW	299	299
LV 271	1/19/1995	5	FL/KN	PSCOTTSBLUFF	PLATE PALEOINDIAN		CH	DE	R	S	19.6	60	33	7			A		EDW	77	77
LV 272	1/28/1995	5	PP	DAWSON	MIDDLE ARCHAIC	U	CH	PE		H	8.4	37	23	9			H		EDW	324	77
LV 273	1/31/1995	5	PP	UNTYPED	UNKNOWN	A	CH	CO		M	7	51	21	5		PB			EDWG	324	324
LV 274	1/31/1995	5	FL/BL/UT	NONDIAGNOSTIC	UNKNOWN		CH	MD/NB		H	8.8	36	28	6			H		EDW	324	324
LV 275	2/6/1995	5	DF/UF	UNTYPED (CONCRETE)	UNKNOWN		CH	CO		S	34	57	44	11		PB	A		EDWG	214	214
LV 276	2/12/1995	2	PP	UNTYPED	PLATE/TRANSITIONAL ARCHAIC	A	QC	CO	R	S	35.5	101	35	11			S	Y	UK	77	77
LV 277	3/1/1995	5	PP	SAN PATRICE	PALEOINDIAN	P	CH	CO	R	M	4.3	36	22	5		PB			EDWG	MB 21	MB 21
LV 278	3/4/1995	5	PP	SAN PATRICE	PALEOINDIAN	P	CH	CO		S	6.3	41	25	6			H	Y	EDW	214	324
LV 279	3/4/1995	5	PP	SAN PATRICE	PALEOINDIAN	P	CH	CO	R	M	3.6	26	20	6					EDW	2	2
LV 280	3/8/1995	5	SNSC	UNTYPED	PPALEOINDIAN		CH	CO		S	4.9	34	18	6			A		EDW	77	77
LV 281	3/11/1995	5	PP	PALMILLAS	MIDDLE/LATE ARCHAIC	A	CH	CO		M	14.2	54	26	10			M		EDW	77	77
LV 282	3/18/1995	5	AP	UNTYPED	LATE PREHISTORIC	A	CH	CO		S	2.9	31	14	6					EDW	DKGR	77
LV 283	3/24/1995	5	PP	PJOHNSON/PWEBB	PEARLY/MIDDLE ARCHAIC	A	CH	CO		M	14.6	48	32	9			M		EDW	DKGR	DKGR
LV 284	3/26/1995	5	PP	UNTYPED	UNKNOWN	A	QZ	PE		M	10.9	38	26	8			M		PCAT/PTAL	BLWH	BLWH
LV 285	3/26/1995	5	BF	UNTYPED	UNKNOWN		CH	MD		M	18.4	37	28	15			M	Y	EDW	214	2
LV 286	3/28/1995	5	PP/BS	DAWSON	MIDDLE ARCHAIC	A	CH	TB		S	6.9	41	20	7			A		EDW	299	214
LV 287	4/1/1995	5	PP	UNTYPED	UNKNOWN	A	CH	CO	H	S	3.3	28	20	7			A		PTEC/PSTJ	MB 21	MB 21
LV 288	4/1/1995	5	PP	ELLIS	MIDDLE/TRANSITIONAL ARCHAIC	U	PQZ	IF	R	H	3.8	32	18	6			H		UK	324	77
LV 289	4/20/1995	5	PP/BS	PGARY	PMIDDLE/TRANSITIONAL ARCHAIC	U	CH	BB	R	S	12.8	59	27	7			A		PTEC	77	77
LV 290	4/21/1995	5	PP	SCOTTSBLUFF	LATE PALEOINDIAN	A	PW	TB		S	19.1	69	27	7					UK	299	RD/ORMT
LV 291	4/25/1995	5	BF	UNTYPED	UNKNOWN		QC	MD		M	5.3	23	27	6			M		TEC	MB 21	MB 21
LV 292	4/29/1995	5	PP	MARCOS	LATE/TRANSITIONAL ARCHAIC	A	CH	CO	H	M	9.7	44	28	8					EDW	77	77
LV 293	4/29/1995	5	PP	SAN PATRICE	PALEOINDIAN	P	CH	BB	R	M	4.6	32	26	6			S		EDW	214	2
LV 294	4/29/1995	5	PP	ELLIS	MIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO	R	M	3.8	26	21	6		PB			EDWG	214	324
LV 295	5/1/1995	5	PP	YARBROUGH	LATE/TRANSITIONAL ARCHAIC	U	CH	CO	H	H	11.9	47	25	10		PB	S		EDWG	77/PP	77/PP
LV 296	5/2/1995	5	PP	GARY	MIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO	H	S	1.9	31	7	5	P		A		EDW	77	77
LV 297	5/7/1995	5	PP	ELLIS	MIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO	H	M	6.1	35	24	7	P				EDW	77	77
LV 298	5/7/1995	5	PP	UNTYPED	UNKNOWN	A	CH	CO		H	13.9	60	27	9			M		EDW	214	299
LV 299	5/12/1995	5	PP	EDGEWOOD	TRANSITIONAL ARCHAIC	A	CH	CO	R	M	5.2	36	19	6					EDW	2	2
LV 300	5/16/1995	5	BF/PF	UNTYPED	UNKNOWN		CH	BR		H	19.6	43	28	14		PB			EDWG	77	77
LV 301	5/19/1995	5	BTF/UF	NONDIAGNOSTIC	UNKNOWN		CH	CO		S	3	35	20	4			A		EDW	134	324
LV 302	5/19/1995	5	DF/UF	NONDIAGNOSTIC	UNKNOWN		CH	CO		S	9.4	37	35	8		OR	A		EDWG	134	2
LV 303	5/31/1995	5	PP	GARY	MIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO		M	6.4	40	27	7		PB			EDWG	77	77
LV 304	5/31/1995	5	PP	GARY	MIDDLE/TRANSITIONAL ARCHAIC	A	QC	CO		H	9.4	46	29	10		PB			EDWG	77	77
LV 305	6/9/1995	5	PP	MARCOS	LATE/TRANSITIONAL ARCHAIC	A	NV	BM	H	M	8.5	35	32	8					OMN	77	BLGY
LV 306	6/12/1995	5	PP	SCOTTSBLUFF	LATE PALEOINDIAN	A	CH	CO		H	12.3	60	25	6			H		EDW	RD/ORMT	RD/ORMT
LV 307	6/22/1995	5	PB/GV	UNTYPED	PPALEOINDIAN		CH	BR		S	5.8	53	19	4					EDW	134	134
LV 308	8/20/1995	5	PP	SAN PATRICE (KEITH)	PALEOINDIAN	P	QC	CO	H	M	2.2	20	20	5		PB			EDWG	77	77
LV 309	9/7/1995	5	PP	UNTYPED	ARCHAIC	U	CH	SB		H	11.9	50	26	9			H		EDW	3	LTGY/DKRDBR
LV 310	9/23/1995	5	BF	UNTYPED	UNKNOWN	A	CH	PE		H	11.2	38	23	10			S	Y	EDW	WH/OR/BR/TN	WH/OR/BRGY
LV 311	9/26/1995	5	BTF/UF	NONDIAGNOSTIC	UNKNOWN		CH	BR	T	M	6.5	33	27	6			S		EDW	299	2
LV 312	9/30/1995	5	PP	DELHI	MIDDLE/LATE ARCHAIC	A	CH	CO		M	15.5	56	28	10		PB			EDWG	77	77
LV 313	10/7/1995	5	BF	UNTYPED	UNKNOWN	U	CH	SB		H	3.6	26	18	6			S		EDW	77	77
LV 314	10/14/1995	5	PP	PPALMILLAS	MIDDLE/LATE ARCHAIC	A	CH	CO		H	9.7	44	27	8			S		EDW	77	77
LV 315	10/19/1995	5	PP	SCOTTSBLUFF	LATE PALEOINDIAN	U	CH	DE		S	13.6	51	31	7			A		EDW	324	324
LV 316	10/19/1995	5	PP	UNTYPED	UNKNOWN	A	CH	CO	R	S	4.9	34	19	7		PB			EDWG	77	MB 21
LV 317	10/19/1995	5	PP	SAN PATRICE	PALEOINDIAN	P	CH	CO	R	H	4.3	34	20	7		PB	M		EDWG	OR/RDBR	324
LV 318	10/19/1995	5	PP	PELICAN	PALEOINDIAN	S	CH	BR	R	S	12	46	33	7	T		A		EDW	2	2
LV 319	10/26/1995	5	PP	UNTYPED	LATE ARCHAIC	A	CH	CO	H	M	7.5	41	31	7	T				EDW	77	77
LV 320	10/31/1995	2	PAP	UNTYPED	UNKNOWN	P	CH	CO		S	3.2	35	16	5	T				EDW	204	LTGY/RDBRMT

Artifactno	Datefound	Accuracy	Function	Diagnostic	Period	Basalgrind	Material	Complete	Reworked	Wear	Weight	Length	Width	Thickness	Heattreat	Cortex	Patina	Colordif	Lithsource	Uvshortwv	Uvlongwave
LV 321	11/8/1995	2	PP	PMOTLEY	PMIDDLE/LATE ARCHAIC	U	CH	SB	R	M	8.9	44	27	8					EDW	77	MB 21
LV 322	11/18/1995	5	PP	UNTYPED	UNKNOWN	P	CH	CO	H	S	2.7	26	19	7			M		EDW	LTGRGY/OR	77/DKBR
LV 323	11/23/1995	5	PP	ELLIS	MIDDLE/TRANSITIONAL ARCHAIC	U	CH	UF		M	6.6	37	24	7	D	PB			EDWG	77	77
LV 324	12/2/1995	5	BF/SC	PRICE LOBED	PPALEOINDIAN	S	CH	CO	T	S	35.5	78	44	9					EDW	324	324
LV 325	12/2/1995	5	PP	HELL GAP	PALEOINDIAN	S	CH	CO	R	S	5.7	35	21	6			A		EDW	115	2
LV 326	12/6/1995	5	PP	PPONCHARTRAIN	PMIDDLE/TRANSITIONAL ARCHAIC	U	UI	TB		H	24	69	29	10			H		PEDW	115	115
LV 327	12/11/1995	5	PP	WILLIAMS	MIDDLE/LATE ARCHAIC	A	CH	PE		H	9.1	25	32	10			M		EDW	77	77
LV 328	12/28/1995	2	PP	EARLY STEMMED	LATE PALEOINDIAN	S	CH	CO		S	17.6	63	32	9			H		PEDW	299	BR
LV 329	1/2/1996	5	PP	EARLY SIDE-NOTCHED	LATE PALEOINDIAN	H	CH	SB		M	5.7	40	23	6			M		EDW	77	77
LV 330	1/11/1996	5	BF	UNTYPED	UNKNOWN	U	CH	DE		S	7.9	40	25	7					EDW	OR	2
LV 331	1/13/1996	5	PP	GARY	MIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO		S	12.2	66	28	7			S	Y	EDW	324	324
LV 332	1/15/1996	5	PP	UNTYPED	UNKNOWN	U	CH	SB	R	H	4.9	33	19	8			M		EDW	299	324
LV 333	2/6/1996	5	PP/SP	UNTYPED	PALEOINDIAN	P	CH	DE	T	S	13.4	47	26	8			S		EDW	115	DKOR/DKRDBR
LV 334	2/6/1996	5	DF/UF	NONDIAGNOSTIC	UNKNOWN		CH	CO		M	3.1	33	20	4		PB			EDWG	2	2
LV 335	2/6/1996	5	BS/DR/AW	NONDIAGNOSTIC	UNKNOWN		CH	BR	H	M	3.7	41	11	6					EDW	DKRDBR	DKDKRDBR
LV 336	2/6/1996	5	PP	ELLIS	MIDDLE/TRANSITIONAL ARCHAIC	U	CH	PE		H	3.6	23	23	7		OR	M		EDW	77	77
LV 337	2/6/1996	2	PP	UNTYPED	ARCHAIC	A/UB	UI	CO	H	M	8.1	32	27	8	D		M		UK	77	77
LV 338	2/11/1996	5	PP	UNTYPED	ARCHAIC	A	CH	UF		M	9.3	48	27	8	T		S	Y	EDW	77	77
LV 339	3/6/1996	2	PP	LANGE-LIKE	LATE ARCHAIC	A	CH	CO	R	S	9	42	28	8					EDW	324	2
LV 340	3/20/1996	5	PP	LANGE-LIKE	LATE ARCHAIC	A	PW	CO		M	7	39	24	7	T				ETX	77	77
LV 341	3/20/1996	5	PP	SCOTTSBLUFF	LATE PALEOINDIAN	U	UI	CO	H	H	8.4	43	27	6			H		UK	OR/RDBRMT	DKOR/RDBRMT
LV 342	6/24/1996	5	PP	DALTON	PALEOINDIAN	S	CH	CO	H	M	6.5	40	22	7			M		EDW	77	77
LV 343	7/20/1996	5	PP	UNTYPED	UNKNOWN	A/UB	CH	CO	R	M	18.1	57	35	10		OR			FLC	3	WH/LTOR
LV 344	8/2/1996	5	PP	DALTON	PALEOINDIAN	P	CH	CO	H	M	5.2	25	0	6	T				ARB	77	77
LV 345	8/31/1996	5	PP	ABASOLO	EARLY/MIDDLE ARCHAIC	A	CH	CO		M	15.1	55	39	7			S	Y	EDW	115	115
TN 1	12/31/1983	5	PP	MARSHALL	LATE MIDDLE ARCHAIC	U	PW	CO		M	12.3	50	29	8		PB			ETXG	BR/OR	YL/OR/BR
TN 2	1/14/1984	5	PP	YARBROUGH	LATE/TRANSITIONAL ARCHAIC	A	CH	CO		S	11.9	56	23	9					EDW	2	2
TN 3	03/00/84	5	PP	ARCHAIC STEMMED	ARCHAIC	A	CH	CO		S	8.5	55	22	8			S		EDW	3	3
TN 4	10/00/84	5	BF	SCOTTSBLUFF	LATE PALEOINDIAN	U	CH	DE		S	21.9	74	29	10			S	Y	EDW	134	3
TN 5	10/00/84	5	BF	PCLOVIS	PALEOINDIAN	U	CH	DE		S	19.1	53	35	7			S	Y	EDW	134	2
TN 6	03/00/85	5	PP	YARBROUGH	LATE/TRANSITIONAL ARCHAIC	A	CH	CO	H	S	20.8	71	28	11			S		PEDW	134	BR
TN 7	03/00/85	5	PP	LANGE	LATE ARCHAIC	A	CH	CO		S	18.2	58	31	12		PB	T		EDWG	77	77
TN 8	4/6/1985	5	CO	NONDIAGNOSTIC	UNKNOWN		FP				284	85	53	48					UK		
TN 9	4/6/1985	5	PP	SCOTTSBLUFF	LATE PALEOINDIAN	A	CH	CO		S	15.8	84	24	6	P		S		JVS(BF)	77	77
TN 10	4/6/1985	5	PP	DAWSON	MIDDLE ARCHAIC	A	CH	CO	H	S	20.6	80	29	8			S		PTEC	2	2
TN 11	05/00/85	5	BKN	NONDIAGNOSTIC	UNKNOWN		PW			M	31.2	87	30	12			H		UK	77	77
TN 12	05/00/85	5	UF	NONDIAGNOSTIC	UNKNOWN		CH	CO		M	8.3	53	19	7			B		PUG(P)	77	77
TN 13	00/00/84	5	DF	NONDIAGNOSTIC	UNKNOWN		QC			M	14.8	62	33	7		OR			PEDWG	299	2
TN 14	00/00/83	5	CPF	NONDIAGNOSTIC	UNKNOWN		JS			M	8.1	35	20	10		PB			TEC	77	77
TN 15	00/00/85	5	BPC	NONDIAGNOSTIC	UNKNOWN		CH			M	7.6	39	18	10		PB			EDWG	3	204
TN 16	04/00/85	5	PHS	NONDIAGNOSTIC	UNKNOWN		UI				126.4	71	35	34					UK		
TN 17	05/00/85	5	PHS	NONDIAGNOSTIC	UNKNOWN		UI				104.4	52	45	34					UK		
TN 18	04/00/85	5	GF	NONDIAGNOSTIC	UNKNOWN		UI				0	0	0	0					UK		
TN 19	6/13/1985	5	UF	NONDIAGNOSTIC	UNKNOWN		CH		R	S	91.8	95	59	16	TD		S	Y	JVS	134	324
TN 20	6/19/1985	5	BTF	NONDIAGNOSTIC	UNKNOWN		CH			M	3.3	32	18	5					PEDW	214	299
TN 21	6/21/1985	5	GS	NONDIAGNOSTIC	UNKNOWN		UI				93	48	45	27					UK		
TN 22	7/10/1985	5	PP	PLAINVIEW	PALEOINDIAN	P	CH	CO	R	S	12.4	53	24	7			A		EDW(NB)	134	214
TN 23	7/31/1985	5	PP	DAWSON	MIDDLE ARCHAIC	A/UB	CH	CO		S	11.3	59	24	7					EDW	214	214
TN 24	8/26/1985	5	PP	SCOTTSBLUFF	LATE PALEOINDIAN	P	CH	CO		S	14.5	75	25	7					EDW	3	134
TN 25	8/26/1985	5	UK	NONDIAGNOSTIC	UNKNOWN		BN				45.7	121	38	9					NA		
TN 26	9/7/1985	5	SPC	NONDIAGNOSTIC	UNKNOWN		PW			H	50	56	48	16					UK	324	324
TN 27	9/18/1985	5	CD	NONDIAGNOSTIC	UNKNOWN		CH	AM			0	0	0	0					UK		
TN 28	9/18/1985	5	PP	ARCHAIC STEMMED	ARCHAIC	U	CH	DE		S	19.5	70	32	7					PEDW	77	BR
TN 29	10/26/1985	5	PP	ARCHAIC STEMMED	ARCHAIC	U	CH	DE		S	11.9	46	27	8					JOC(L)	134	BR
TN 30	11/2/1985	5	PP	UNTYPED	ARCHAIC	U	CH	DE		S	5.4	32	22	7	P				PEDW	134	134
TN 31	10/5/1985	5	GS	NONDIAGNOSTIC	UNKNOWN		UI				41.7	42	28	19					UK		
TN 32	10/29/1985	5	HS	NONDIAGNOSTIC	UNKNOWN		UI				108.4	47	40	32					UG		
TN 33	11/10/1985	5	GF	NONDIAGNOSTIC	UNKNOWN		UI				223.8	77	50	45					UK		
TN 34	11/10/1985	5	GF	NONDIAGNOSTIC	UNKNOWN		UI				85.4	46	44	30					UK		
TN 35	11/29/1985	5	UK	NONDIAGNOSTIC	UNKNOWN		BN	AM			0	0	0	0					NA		
TN 36	12/24/1985	5	GS	NONDIAGNOSTIC	UNKNOWN		UI				67.5	58	27	28					UK		
TN 37	1/1/1986	5	HS	NONDIAGNOSTIC	UNKNOWN		UI				90.1	55	37	27					OM		
TN 38	1/10/1986	5	HS	NONDIAGNOSTIC	UNKNOWN		UI				130.1	60	37	36					UG		
TN 39	1/10/1986	5	GV	NONDIAGNOSTIC	UNKNOWN		QZ			H	2.5	24	20	4			B		PEDW	324	324
TN 40	2/8/1986	5	PP	KENT	MIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO		S	9.8	50	21	8			S	Y	EDW	299	134
TN 41	2/14/1986	5	PP	YARBROUGH	LATE/TRANSITIONAL ARCHAIC	A	CH	CO	H	S	18.5	70	22	10					EDW	299	299
TN 42	3/15/1986	5	BF	UNTYPED	UNKNOWN	U	CH	DE		M	8.5	44	21	9					EDW	134	BR
TN 43	3/21/1986	5	PP	YARBROUGH	LATE/TRANSITIONAL ARCHAIC	A	CH	PE		M	9.4	31	26	10	P				EDW	134	2
TN 44	7/18/1986	5	DR	DALTON	PALEOINDIAN	P	CH	CO	H	S	7.5	55	21	7			S		EDW	2	2
TN 45	7/25/1986	5	PP	KENT/DARL/YARB-LIKE	LATE LATE ARCHAIC	A	CH	CO	H	M	3.9	34	15	8	P		S		EDW	299	2
TN 46	7/25/1986	5	USC	NONDIAGNOSTIC	UNKNOWN		CH	BR		S	9.2	36	29	7		PB			PARB	214	299
TN 47	9/27/1986	5	PP	SAN PATRICE	PALEOINDIAN	P	CJ	CO	H	M	2	20	19	5	P				PGR(U)	77	77

Artifactno	Datefound	Accuracy	Function	Diagnostic	Period	Basalgrind	Material	Complete	Reworked	Wear	Weight	Length	Width	Thickness	Heattreat	Cortex	Patina	Colordif	Lithsource	Uvshortwv	Uvlongwave
TN 48	9/27/1986	5	PP	ELLIS	MIDDLE/TRANSITIONAL ARCHAIC	U	CH	CO	H	H	5.3	33	24	8			H		EDW	324	77
TN 49	9/27/1986	5	UF	UNTYPED	PPALEOINDIAN		CH	BR		S	14.5	30	48	9			A		EDWG	134	2
TN 50	10/24/1986	5	PP	CLOVIS	PALEOINDIAN	U	CH	DE	R	S	8	41	23	7			S	Y	EDW	3	3
TN 51	10/24/1986	5	PP	UNTYPED	ARCHAIC	U	CH	SB	H	M	10.5	35	30	7			S		EDW	77	77
TN 52	12/8/1986	5	PP	PONCHARTRAIN	MIDDLE/TRANSITIONAL ARCHAIC	U	CH	CO		H	18.3	72	25	9			H		UK	OR/RD	OR/RD
TN 53	12/8/1986	5	BF	UNTYPED	ARCHAIC	U	CH	SB		S	10	32	32	9					EDW	214	2
TN 54	12/8/1986	5	PP	SCOTTSBLUFF	LATE PALEOINDIAN	P	CH	CO		M	14.2	27	53	8			M	Y	PEDW	214	134
TN 55	12/12/1986	5	PP	YARBROUGH	LATE/TRANSITIONAL ARCHAIC	A	CH	CO		S	11.5	57	27	7	D				PEDW	299	324
TN 56	12/14/1986	5	PP	PLAINVIEW	PALEOINDIAN	P	CH	CO	R	S	27.1	87	28	9			S		JVS(N)	77	77
TN 57	12/14/1986	5	PP	KEITHVILLE	LATE PALEOINDIAN	H	CH	CO	H	S	3	27	18	8					EDW	299	324
TN 58	1/24/1987	5	PP	KEITHVILLE	LATE PALEOINDIAN	H	CH	CO		M	6.6	34	22	7			M		EDW	214	2
TN 59	2/7/1987	5	DF	NONDIAGNOSTIC	UNKNOWN		CH			M	10.1	42	26	9		OR			EDW	134	134
TN 60	2/21/1987	5	DF/USC	NONDIAGNOSTIC	UNKNOWN		CH	CO		S	35.3	81	37	9		OR	S	Y	EDW	134	134
TN 61	2/28/1987	5	GS	NONDIAGNOSTIC	UNKNOWN		UI				95.1	48	38	29					UG		
TN 62	3/29/1987	5	DR	UNTYPED	UNKNOWN		CH	DE		M	4	51	10	6			M		EDW	214	324
TN 63	3/29/1987	5	PP	ELLIS	MIDDLE/TRANSITIONAL ARCHAIC	U	CH	CO	H	H	7.7	35	25	8		PB	H		EDWG	77	77
TN 64	4/7/1987	5	GF	NONDIAGNOSTIC	UNKNOWN		PW			M	21	71	27	8					UK	299	TN/RD
TN 65	4/7/1987	5	HS	NONDIAGNOSTIC	UNKNOWN		UI				147.3	60	39	40					UK		
TN 66	6/1/1987	5	PP	SAN PATRICE	PALEOINDIAN	A	PW	CO		S	5.1	38	21	5					UK	77	77
TN 67	6/3/1987	5	PP	KEITHVILLE	LATE PALEOINDIAN	A	CH	CO		M	5.6	40	18	7					EDW	2	324
TN 68	6/3/1987	5	HS	NONDIAGNOSTIC	UNKNOWN		QZ	AM			0	0	0	0					UK		
TN 69	6/12/1987	5	PP	ELLIS	MIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO	R	M	4.7	35	21	8					EDW	77	77
TN 70	7/9/1987	5	PP	WODEN	EARLY ARCHAIC	A/UB	PW	CO	H	H	5.2	34	20	6					UK	GRBN	GRBN
TN 71	7/23/1987	5	UK	NONDIAGNOSTIC	UNKNOWN		PW			M	16.7	57	21	8					UK	299	77
TN 72	8/6/1987	5	GF	NONDIAGNOSTIC	UNKNOWN		UI				228.1	120	45	43					UK		
TN 73	8/11/1987	5	PP	LANGE	LATE ARCHAIC	A	CH	CO	H	M	8.3	40	25	9		PB	S		EDWG	77	77
TN 74	11/26/1987	5	PP	PELICAN	PALEOINDIAN	P	CH	CO		S	13.7	52	30	7			S	Y	EDW	299	134
TN 75	12/8/1987	5	KN	HARAHEY KNIFE	LATE PREHISTORIC/HISTORIC		CH	CO	H	M	14.5	90	18	9			S		EDW	214	299
TN 76	12/8/1987	5	PP	YARBROUGH	LATE/TRANSITIONAL ARCHAIC	A	CH	CO		M	12	60	23	8			S		EDW	2	77
TN 77	12/15/1987	5	PP/BS	YARBROUGH	LATE/TRANSITIONAL ARCHAIC	A	CH	CO		M	10.7	49	23	9			M	Y	EDW	77	77
TN 78	12/15/1987	5	UF	UNTYPED	PPALEOINDIAN		CH	BR		S	11.8	57	35	6			A		EDW	299	2
TN 79	12/19/1987	5	FL	NONDIAGNOSTIC	UNKNOWN		PW	BR		M	18.6	33	40	12			S		UK	204	ORYLBR
TN 80	12/19/1987	5	KN	HARAHEY KNIFE	LATE PREHISTORIC/HISTORIC		CH	CO	H	M	24.9	74	30	9			S		PEDW	134	77
TN 81	12/19/1987	5	PP	SAN PATRICE	PALEOINDIAN		PW	AM			0	0	0	0					UK		
TN 82	1/1/1988	5	USC	NONDIAGNOSTIC	UNKNOWN		PW	BR		S	21.9	65	20	10		OR			UK	77	77
TN 83	1/9/1988	5	PP	DARL	TRANSITIONAL ARCHAIC	A	CH	TB	T	S	7.8	43	22	6			A		MF	77	324
TN 84	1/9/1988	5	PP	WODEN	EARLY ARCHAIC	A	PW	CO		M	5.6	44	20	7	P				UK	YLBN	YLBN
TN 85	1/9/1988	5	PP	EARLY STEMMED	LATE PALEOINDIAN	P	CH	CO		M	17.4	55	35	8		PB	M		EDWG	77	77
TN 86	2/6/1988	5	PF	CLOVIS	PALEOINDIAN	A	CH	PE		M	13.9	53	28	7			S		EDW	134	134
TN 87	2/6/1988	5	PP	PPALMILLAS	MIDDLE/LATE ARCHAIC	A	CC	CO	H	M	6.7	32	22	9	D				PTEC	134	2
TN 88	2/13/1988	5	PP	DALTON	PALEOINDIAN	S	CH	CO		M	10.8	53	30	6			S		EDW	134	134
TN 89	2/20/1988	5	PP	FOLSOM	PALEOINDIAN	P	CH	PE		M	4	23	24	4					EDW	214	2
TN 90	3/19/1988	5	PP	WODEN	EARLY ARCHAIC	A/UB	PW	CO		M	5.8	41	18	7		OR			UK	77	77
TN 91	3/19/1988	5	PP	EARLY STEMMED LANC	LATE PALEOINDIAN	P	CH	CO	H	M	3.5	27	20	6					EDWG	299	299
TN 92	4/6/1988	5	PP	YARBROUGH	LATE/TRANSITIONAL ARCHAIC	A	PW	CO		M	14.2	56	30	8	T				UK	77	77
TN 93	4/30/1988	5	PP	PSCOTTSBLUFF	PLATE PALEOINDIAN	A	CH	PE	H	S	11.4	38	31	7			S	Y	EDW	2	2
TN 94	5/25/1988	5	PP	DAWSON	MIDDLE ARCHAIC	A	CH	CO	H	M	7.4	52	17	9	P		M		JOC(L)	3	2
TN 95	7/11/1988	5	BF/BS	NONDIAGNOSTIC	UNKNOWN		CH	BR		H	22	64	30	7			H		PEDW	OR/WH	3
TN 96	9/10/1988	5	BF	UNTYPED	UNKNOWN	U	CH	DE		M	3.9	30	21	6		PB	S		EDWG	299	134
TN 97	11/24/1988	5	BL	NONDIAGNOSTIC	UNKNOWN		UI	AM			0	0	0	0					UK		
TN 98	11/24/1988	5	PP	PLAINVIEW	PALEOINDIAN	S	CH	CO		S	8.2	70	19	5			S	Y	EDW	134	134
TN 98A	12/14/1988	5	BF	UNTYPED	UNKNOWN		PW	SB		H	12	50	30	7			T		ETX	214	BK/OR
TN 99	12/28/1988	5	PP	GARY	MIDDLE/TRANSITIONAL ARCHAIC	A	QZ	CO		M	7.3	42	24	7	T				UK	77	77
TN 100	12/28/1988	5	PP	UNTYPED	ARCHAIC	U	CH	SB		S	12.7	48	28	7			S		EDW	299	134
TN 101	1/14/1989	5	PP	DALTON	PALEOINDIAN	S	CH	CO		S	19.3	78	33	7			Z	Y	PEDW	2	77
TN 102	1/21/1989	5	PP	SAN PATRICE	PALEOINDIAN	U	UI	CO	R	H	2.6	25	19	5			HB		UK	77	77
TN 103	2/10/1989	5	FL	NONDIAGNOSTIC	UNKNOWN		CH	BR		M	7.6	29	35	6	P		A		EDW	214	299
TN 104	2/10/1989	5	PP	UNTYPED	ARCHAIC	U	CH	SB		S	25.8	85	33	8			A		EDW	299	299
TN 105	2/18/1989	5	FG	NONDIAGNOSTIC	UNKNOWN		CH			M	7.2	34	23	9		PB	H		UK	GY	GY/OR
TN 106	3/1/1989	5	UF	NONDIAGNOSTIC	UNKNOWN		FP			H	14.2	48	29	11					UK	BL/GR	LTBL/BK
TN 107	3/1/1989	5	AN/NS	NONDIAGNOSTIC	UNKNOWN		UI				1494.2	185	100	58					UK		
TN 108	3/15/1989	5	DF	NONDIAGNOSTIC	UNKNOWN		CH	BR/NB		H	10.3	37	25	6		OR	H		EDW	3	3
TN 109	3/18/1989	5	PP	SAN PATRICE	PALEOINDIAN	P	CH	CO	R	M	2.5	25	20	5					PEDW	214	214
TN 110	3/30/1989	5	DF/USC	NONDIAGNOSTIC	UNKNOWN		CH	CO		M	13.6	54	20	12	T	PB	S		EDWG	214	2
TN 111	3/30/1989	5	PP	EARLY STEMMED LANC	LATE PALEOINDIAN	P/UB	CH	CO	H	S	18	63	26	9					EDW	299	299
TN 112	4/8/1989	5	PP	PSCOTTSBLUFF	PLATE PALEOINDIAN	U	CH	DE		S	15.4	60	26	9					EDW	134	134
TN 113	5/19/1989	5	DF	NONDIAGNOSTIC	UNKNOWN		CH			H	11.2	37	29	8					EDW	299	134
TN 114	6/15/1989	5	GS	NONDIAGNOSTIC	UNKNOWN		UI				78.1	55	33	33					UK		
TN 115	9/6/1989	5	PP	EARLY STEMMED	LATE PALEOINDIAN	U	CH	CO		M	17.4	58	29	9			H		EDW	115	115
TN 116	9/6/1989	5	PP/BS	SAN PATRICE	PALEOINDIAN	P	CH	CO		M	8.8	42	28	8					UK	214	2
TN 117	9/6/1989	5	PP	PALMILLAS	MIDDLE/LATE ARCHAIC	A/UB	CH	CO		S	11.4	50	32	7		PB	S		EDWG	77	77
TN 118	10/31/1989	5	USC	NONDIAGNOSTIC	UNKNOWN		CH			M	11.5	36	38	9		PB			EDWG	214	2

Artifactno	Datefound	Accuracy	Function	Diagnostic	Period	Basalgrind	Material	Complete	Reworked	Wear	Weight	Length	Width	Thickness	Heattreat	Cortex	Patina	Colordif	Lithsource	Uvshortwv	Uvlongwave
TN 119	11/14/1989	5	PP	ELLIS	MIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO		M	8.9	44	24	9			H		EDW	115	115
TN 120	11/14/1989	5	PP	DAWSON	MIDDLE ARCHAIC	U	CC	CO	H	H	6.9	36	22	9					UK	77	77
TN 121	2/10/1990	5	PP	KENT	MIDDLE/TRANSITIONAL ARCHAIC	A	PW	CO	R	S	6.4	37	20	8					UK	77	2
TN 122	2/10/1990	5	PP	PDALTON	PPALEOINDIAN	S	CH	CO	H	M	6.2	37	21	8			M		EDW	77	77
TN 123	2/17/1990	5	BF	UNTYPED	UNKNOWN	U	CH	DE		M	2.4	21	18	6			S		EDW	YL	OR/YL
TN 124	O2/17/90	5	BF/BS	NONDIAGNOSTIC	UNKNOWN		CH	CO		M	4.4	46	15	7					EDW	214	299
TN 125	3/2/1990	5	PP	LANGE	LATE ARCHAIC	S	CH	CO	R	M	16.8	60	31	10		PB			PEDWG	77	77
TN 126	3/10/1990	5	PP	EARLY SIDE-NOTCHED	LATE PALEOINDIAN	H	PW	CO		H	6.1	40	21	6		OR			UK	YLBN	YLBN
TN 127	3/10/1990	5	PP	YARBROUGH	LATE/TRANSITIONAL ARCHAIC	A	CH	CO	H	S	13.3	65	26	9			S	Y	EDW	2	324
TN 128	3/10/1990	5	PP	PEARLY SIDE-NOTCHED	PLATE PALEOINDIAN	A	JS	CO		S	4.4	37	22	5					PTEC/PMIN	77	77
TN 129	3/30/1990	5	PP	CASTROVILLE	LATE ARCHAIC	A	PW	CO	R	S	15.4	67	35	8					UK	299	299
TN 130	3/30/1990	5	PP	CLOVIS	PALEOINDIAN	H	CH	CO		S	31.1	91	29	10			S	Y	PEDW	134	LTGR
TN 131	3/30/1990	5	PP	PCLOVIS	PPALEOINDIAN	U	CH	DE/NB		H	10.4	44	23	7			H		KRF	DKBR/RDYL	DKBR/RDOR
TN 132	4/4/1990	5	PP	PMARSHALL	PLATE MIDDLE ARCHAIC	A	PW	CO		M	7.5	47	30	6					UK	BK/GRGY	BK/GRGY
TN 133	4/11/1990	5	USC	NONDIAGNOSTIC	UNKNOWN		PW			M	10.1	53	24	7			H		UK	77	77
TN 134	4/13/1990	5	PP	UNTYPED	UNKNOWN	A/UB	CH	CO	H	S	11.7	48	32	8			Z		EDW	134	134
TN 135	4/14/1990	5	PP	DALTON	PALEOINDIAN	P	CH	BB		S	16.8	71	24	8		OR	S		MF	77	77
TN 136	5/1/1990	5	PP	EARLY STEMMED	LATE PALEOINDIAN	H	CH	CO	R	M	8.6	42	27	8					PEDWG	77	77
TN 137	5/1/1990	5	PP	DALTON	PALEOINDIAN	U	CH	CO	H	H	7.2	38	27	7			H		UK	77	77
TN 138	5/9/1990	5	BF	UNTYPED	UNKNOWN	U	CH	DE		M	5.4	40	22	6			S		EDW	115	115
TN 139	5/9/1990	5	GF	NONDIAGNOSTIC	UNKNOWN		UI				82.8	68	45	30					UK		
TN 140	5/23/1990	5	PB	CLOVIS	PALEOINDIAN		CH	BR		M	11.2	51	24	9			A		EDW	134	2
TN 141	5/23/1990	5	PP	PLAINVIEW	PALEOINDIAN	S	CH	CO		M	6.5	47	19	5			S		EDW	2	324
TN 142	5/23/1990	5	PP	SCOTTSBLUFF	LATE PALEOINDIAN	A	CH	PE		S	8	29	30	7					EDW	214	299
TN 143	5/23/1990	5	PP	ELLIS	MIDDLE/TRANSITIONAL ARCHAIC	P	QC	CO	PR	M	10.3	47	29	10					PEDW/PTEC	134	77
TN 144	5/23/1990	5	BF/PF	NONDIAGNOSTIC	UNKNOWN		PW	TB		M	7.4	38	24	7		OR			UK	77	77
TN 145	9/24/1990	5	DR	UNTYPED	UNKNOWN	U	CH	CO	PT	H	10.8	60	18	8		PPB			PEDW	77	77
TN 146	10/22/1990	5	BTF/UF	NONDIAGNOSTIC	UNKNOWN	U	CH	PE/NB		H	1.7	17	20	5			H		PKRF	OR	DKOR
TN 147	10/22/1990	5	SC	NONDIAGNOSTIC	UNKNOWN		UI	AM			0	0	0	0					UK		
TN 148	11/9/1990	5	PP	PGARY	PMIDDLE/TRANSITIONAL ARCHAIC	A	OQ	CO	H/T	M	19.3	69	24	9		PB	S		PFQ	77	77
TN 149	1/1/1991	5	PP	BELL	EARLY ARCHAIC	P	CH	CO		S	10.8	54	40	5			S	Y	EDW(B)	214	2
TN 150	1/16/1991	5	PP	PSCOTTSBLUFF	PLATE PALEOINDIAN	U	CH	DE		S	10.4	40	32	7		PB			EDWG	134	2
TN 151	1/19/1991	5	PP	PSCOTTSBLUFF	PLATE PALEOINDIAN	U	CH	MD		S	10.4	29	35	7					PEDW	77	234
TN 152	1/19/1991	5	PP	SCOTTSBLUFF	LATE PALEOINDIAN	A	CH	CO		S	33	87	40	7			M	Y	EDW	214	2
TN 153	2/9/1991	5	UK	NONDIAGNOSTIC	UNKNOWN		BN				38.2	147	21	20					NA		
TN 154	2/17/1991	5	BF	UNTYPED	UNKNOWN		CH	CO		S	14.2	47	32	9			A		EDW	324	324
TN 155	2/19/1991	5	DR	SCOTTSBLUFF	LATE PALEOINDIAN	S	CH	CO	T	S	2.8	45	18	4			A		KRF	BRGR	GRBR
TN 156	2/19/1991	5	UF	NONDIAGNOSTIC	UNKNOWN		CH			M	9.9	45	32	6			S		EDW	3	204
TN 157	2/19/1991	5	PP	YARBROUGH	LATE/TRANSITIONAL ARCHAIC	A	OQ	PE	H	H	11	34	30	10	P	PB	M		GR(U)	77	77
TN 158	2/21/1991	5	PP	MOTLEY	MIDDLE/LATE ARCHAIC	P	QC	CO	R	M	8.5	45	23	8			S		PEDW	134	2
TN 159	2/21/1991	5	PP	UNTYPED	UNKNOWN	A	QC	CO	H	S	17.4	65	25	11			S		PEDW	134	2
TN 160	2/21/1991	5	PP	PSCOTTSBLUFF	PLATE PALEOINDIAN	U	CH	MD		S	10.5	40	33	7			S		EDW	214	214
TN 161	3/1/1991	5	PP	PMARSHALL	PLATE MIDDLE ARCHAIC	A	QC	CO		M	6	38	25	7			S		PEDW	77	77
TN 162	3/1/1991	5	UF	NONDIAGNOSTIC	UNKNOWN		CH	BR		M	6.3	33	36	4					EDW	115	115
TN 163	3/3/1991	5	DR	SCOTTSBLUFF/CLOVIS	LATE PALEOINDIAN	U	CH	MD	T	S	9.2	40	26	6			A		PEDW	134	324
TN 164	3/6/1991	5	GS	NONDIAGNOSTIC	UNKNOWN		UI				68.1	57	30	26					UK		
TN 165	3/13/1991	5	BF	UNTYPED	UNKNOWN	U	CH	MD/NB		M	18.3	55	34	9			H	Y	UK	115	115
TN 166	3/16/1991	5	PP	UNTYPED	PALEOINDIAN	A	QZ	PE		M	6.6	25	24	8					TEC	214	2
TN 167	3/16/1991	5	PP	DELHI	MIDDLE/LATE ARCHAIC	A	CH	CO		S	23.1	69	32	9	P				PEDW	299	2
TN 168	3/18/1991	5	PP	PLAINVIEW	PALEOINDIAN	P	CH	CO		S	7.9	58	17	6					PMIN	299	2
TN 169	3/23/1991	5	GS	NONDIAGNOSTIC	UNKNOWN		UI				100.1	40	55	29					UK		
TN 170	3/29/1991	5	SPC	NONDIAGNOSTIC	UNKNOWN		CH				227.9	90	37	38					EDW	LTYL	LTOR
TN 171	3/29/1991	5	PP	UNTYPED	UNKNOWN	A	CH	CO	T	H	7.9	26	28	9	T		S		PEDW	YL/OR/BK	3
TN 172	4/13/1991	5	PP	UNTYPED	UNKNOWN	U	CH	DE	R	M	8.8	43	25	6			S		EDW	214	299
TN 173	4/13/1991	5	PF	PSCOTTSBLUFF	PLATE PALEOINDIAN	U	QZ	PE		H	29.7	56	40	9			H	Y	FQ	115	2
TN 174	4/15/1991	5	BF	UNTYPED	UNKNOWN	U	CH	MD		M	6.6	29	29	5			S		EDW	299	234
TN 175	4/16/1991	5	BF	UNTYPED	UNKNOWN	U	CH	SB	R	H	13.9	52	27	10			M		EDW	299	2
TN 176	4/24/1991	5	HS	NONDIAGNOSTIC	UNKNOWN		UI				86.9	51	32	31					UG		
TN 177	4/29/1991	5	PP	EPPS	MIDDLE/LATE ARCHAIC	A	CH	CO		M	20.8	68	29	9	T				EDW	2	2
TN 178	4/29/1991	5	BF	UNTYPED	UNKNOWN		QZ	BR		M	10.1	31	32	9	D		S		PTEC	3	115
TN 179	4/29/1991	5	PP	ELLIS	MIDDLE/TRANSITIONAL ARCHAIC	A	QC	CO		H	7.5	37	22	8					PETXG	134	77
TN 180	5/1/1991	5	UF	NONDIAGNOSTIC	UNKNOWN		CH	BR		M	3.7	23	19	6					PEDW	77	77
TN 181	5/21/1991	5	BF	UNTYPED	UNKNOWN		CH	BR		M	8.9	42	25	7			S	Y	EDW	115	115
TN 182	5/21/1991	5	PP	CLOVIS	PALEOINDIAN	U	CH	BB	T	H	23.3	80	28	8			HB		EDW	WH/RUMT	WH/RUMT
TN 183	5/26/1991	5	DF/UF	NONDIAGNOSTIC	UNKNOWN		CH	BR		S	14	39	40	7		PB			EDWG	214	299
TN 184	5/26/1991	5	BF/PF	NONDIAGNOSTIC	UNKNOWN		QC	BR		S	54.6	53	49	18	T				LB	299	134
TN 185	9/7/1991	5	SPC/SC	NONDIAGNOSTIC	UNKNOWN		SO	BR		M	20.8	46	31	10		PB			PCIT	77	77
TN 186	10/16/1991	5	PP	EPPS	MIDDLE/LATE ARCHAIC	A	CH	PE		S	15.5	48	25	11		OR	S		EDW	3	3
TN 187	10/16/1991	5	CR	NONDIAGNOSTIC	UNKNOWN		CH	CO		H	30.7	80	30	14			H		UK	77	77
TN 188	10/28/1991	5	PP	PALMILLAS	MIDDLE/LATE ARCHAIC	A	QZ	CO		M	12.2	50	28	10		PB			GR(U)	134	77
TN 189	10/28/1991	5	PP	EPPS	MIDDLE/LATE ARCHAIC	A	PW	LB		M	7.5	44	22	7					UK	214	2
TN 190	11/20/1991	5	BF/PF	NONDIAGNOSTIC	UNKNOWN		CH	BR		H	13.5	50	21	12			S		EDW	214	299

Artifactno	Datefound	Accuracy	Function	Diagnostic	Period	Basalgrind	Material	Complete	Reworked	Wear	Weight	Length	Width	Thickness	Heattreat	Cortex	Patina	Colordif	Lithsource	Uvshortwv	Uvlongwave
TN 191	11/20/1991	5	PP	LANGE	LATE ARCHAIC	A	PW	CO		M	9.8	45	30	7					UK	77	77
TN 192	11/20/1991	5	PP	DALTON	PALEOINDIAN	H	CH	CO	R	M	10.6	50	24	7					PEDW	77	77
TN 193	12/14/1991	5	PP	CASTROVILLE	LATE ARCHAIC	A	QZ	CO	H	M	12.8	49	30	8			S		ETXG	77	77
TN 194	1/22/1992	5	PP	PALMILLAS	MIDDLE/LATE ARCHAIC	A/UB	QZ	CO		M	8.6	43	28	7					ETXG	77	77
TN 195	1/25/1992	5	PP	GARY	MIDDLE/TRANSITIONAL ARCHAIC	A/UB	PW	CO		H	13.4	66	24	9					UK	77	77
TN 196	2/11/1992	5	BF	UNTYPED	UNKNOWN	U	CH	SB		H	10.2	45	31	6	T		M	Y	EDW	214	2
TN 197	2/11/1992	5	PP	CLOVIS	PALEOINDIAN	S	PW	BB	R	M	14.5	69	23	6			M		UK	77	77
TN 198	2/25/1992	5	PP	PEARLY STEMMED LANC	PLATE PALEOINDIAN	P	QC	BB		S	9.3	48	19	8			S		PEDW	299	134
TN 199	3/5/1992	5	PP	SCOTTSBLUFF	LATE PALEOINDIAN	A	CH	CO		M	21.4	84	25	8			M		EDW	115	115
TN 200	3/10/1992	5	PP	DAWSON	MIDDLE ARCHAIC	A	CH	CO		S	12.2	64	23	9			S		EDW	3	134
TN 201	3/10/1992	5	DF/SC	NONDIAGNOSTIC	UNKNOWN		CH	BR		M	6.7	39	22	5		PB			PEDW/PKRF	299	134
TN 202	3/13/1992	5	BF	UNTYPED	UNKNOWN		CH	BR/NB		M	12.9	27	35	10			M		EDW	214	299
TN 203	3/21/1992	5	PP	GARY	MIDDLE/TRANSITIONAL ARCHAIC	A/UB	CH	CO		S	8.7	47	23	9		PB			EDWG	77	77
TN 204	3/21/1992	5	BF	UNTYPED	UNKNOWN	U	CH	SB		S	12.7	65	26	7			A		PEDW/PGSM	204	204
TN 205	4/7/1992	5	PP	EARLY STEMMED	LATE PALEOINDIAN	S	QC	TB		M	10.3	45	30	8	T				PTEC	77	77
TN 206	4/15/1992	5	BF	UNTYPED	UNKNOWN	U	CH	BB		M	8.7	44	28	6		PB	S		EDWG	299	OR/RDMT
TN 207	4/30/1992	5	PP	UNTYPED	PALEOINDIAN	P	CC	TB		S	2.6	35	12	4			A		PTEC	204	204
TN 208	4/30/1992	5	BF	UNTYPED	UNKNOWN	U	CH	SB		H	19.7	53	36	9			M		PWWC	OR/YL	OR/YL
TN 209	4/30/1992	5	PBPC	NONDIAGNOSTIC	UNKNOWN		CH	CO		S	17.5	46	26	11					EDW	3	TN/BK/OR
TN 210	4/30/1992	5	SPC/DR	NONDIAGNOSTIC	UNKNOWN		CH	CO		M	8.8	47	23	8		PB			EDWG	77	77
TN 211	5/7/1992	5	PP	GODLEY	LATE ARCHAIC/LATE PREHISTORIC	U	CH	CO	R	H	3.6	33	15	7			B		PEDW	77	77
TN 212	5/12/1992	5	PP	PBIG SANDY	PLATE PALEOINDIAN/EARLY ARCHAIC	P	QZ	CO		H	3.4	37	16	6			H		EDW	77	77
TN 213	5/12/1992	5	BTF/CF	PCLOVIS	PPALEOINDIAN		CH	CO		H	3.6	33	20	5			S		EDW	134	324
TN 215	5/19/1992	5	PP	PPALMILLAS	PMIDDLE/LATE ARCHAIC	U	PW	BB		H	9.1	43	26	10					UK	77	77
TN 216	7/3/1992	5	PP	PALMILLAS	MIDDLE/LATE ARCHAIC	A	QZ	TB		H	7.5	39	25	7	D		M		PTEC	77	77
TN 217	8/31/1992	5	BF/PF	NONDIAGNOSTIC	UNKNOWN		FP	BR		H	13	40	23	12					UK	134	BK/YLBN
TN 218	9/23/1992	5	BF	UNTYPED	UNKNOWN	U	QZ	SB		H	6.9	39	27	6	T	PB			PTEC	77	77
TN 219	10/6/1992	5	PP	PPALMILLAS	PMIDDLE/LATE ARCHAIC	U	QZ	CO		H	3.7	34	23	5		PB	M	Y	GR(U)	77	77
TN 220	10/14/1992	5	GS	NONDIAGNOSTIC	UNKNOWN		HM				74.5	45	30	31					EDW		
TN 221	11/13/1992	5	PP	UNTYPED	UNKNOWN	U	CH	CO		H	9.5	50	22	8			H		UK	2	2
TN 222	11/21/1992	5	BF	UNTYPED	UNKNOWN	U	PW	BB	T	H	13.2	49	28	9					UK	77	77
TN 223	11/21/1992	5	DF/UT	NONDIAGNOSTIC	UNKNOWN		CH	CO		S	53.2	90	50	11		OR			EDW	3	324
TN 224	11/21/1992	5	PP	MARSHALL	LATE MIDDLE ARCHAIC	S	QC	CO		M	11.2	46	31	6					EDW	134	BR
TN 225	11/24/1992	5	PSC	NONDIAGNOSTIC	UNKNOWN		PW			M	7.7	44	23	6		OR			UK	77	77
TN 226	11/24/1992	5	BF	UNTYPED	PARCHAIC	U	QZ	DE		H	6	35	25	7			H		TEC	77	77
TN 227	11/24/1992	5	FL	NONDIAGNOSTIC	UNKNOWN		CH			M	2.8	23	18	5					EDW	299	134
TN 228	11/30/1992	5	PP	DAWSON	MIDDLE ARCHAIC	A/UB	CH	CO		M	17.8	65	28	10			S	Y	EDW	3	2
TN 229	11/30/1992	5	PP	KENT/DARL/YARB-LIKE	LATE LATE ARCHAIC	A	QZ	CO	T	M	4.8	37	17	7			M		TEC	BR/OR	77/BR
TN 230	12/10/1992	5	PP/BS	PALMILLAS	MIDDLE/LATE ARCHAIC	A	QC	CO		M	8.7	45	26	8	P				EDW	324	77
TN 231	12/10/1992	5	PP	PLAINVIEW	PALEOINDIAN	P	CH	CO		S	4.7	43	17	5			S		EDW	134	134
TN 232	12/10/1992	5	GT	NONDIAGNOSTIC	UNKNOWN		UI	BR			71.7	80	46	10					UK	77	77
TN 233	12/16/1992	5	UF	NONDIAGNOSTIC	UNKNOWN		CH	BR		M	7	35	34	7					TEC	134	77
TN 234	12/19/1992	5	PP	SAN PATRICE	PALEOINDIAN	H	CH	CO		S	6.5	42	22	6			M	Y	PEDW	214	134
TN 235	1/2/1993	5	BF	UNTYPED	UNKNOWN	U	UI	MD		H	10.1	39	24	8			H		UK	234	299
TN 236	1/2/1993	5	BF	UNTYPED	UNKNOWN	U	CH	MD		H	15	40	40	8			H	Y	PEDW	234	324
TN 237	1/5/1993	5	DR	NONDIAGNOSTIC	UNKNOWN		QZ	CO		H	3.6	32	16	8			S		PFQ	77	77
TN 238	1/5/1993	5	PP	DALTON	PALEOINDIAN	A	CH	CO	R	S	21	69	35	8					PEDW	2	2
TN 239	1/5/1993	5	PP	ELLIS	MIDDLE/TRANSITIONAL ARCHAIC	P	CH	CO		H	5.7	30	23	8		PB	S		EDWG	115	299
TN 240	1/14/1993	5	BF	UNTYPED	UNKNOWN	U	CH	MD		H	8.7	30	23	8			H		PEDW	324	324
TN 241	1/25/1993	5	BF	UNTYPED	UNKNOWN	U	CH	MD		H	10.2	32	30	9			S		EDW	2	2
TN 242	1/25/1993	5	BF	UNTYPED	UNKNOWN	U	CH	SB		M	5.2	30	24	5			S		EDW	234	234
TN 243	1/25/1993	5	PP	LANGE	LATE ARCHAIC	U	QZ	CO		H	9.1	54	28	7		PB	H		UK	214	2
TN 244	1/25/1993	5	PT	SAN JACINTO	LATE PREHISTORIC		UI	BR			83.3	87	93	6			Z		UK		
TN 245	1/25/1993	5	UK	NONDIAGNOSTIC	UNKNOWN		MM				724.6	160	71	45					NA		
TN 246	1/30/1993	5	PP	EPPS	MIDDLE/LATE ARCHAIC	A	QC	TB		H	11.1	44	23	9			H	Y	EDW	214	2
TN 247	1/30/1993	5	BF	UNTYPED	ARCHAIC	U	QC	DE		M	7.1	29	32	7	P		S		GRC	134	2
TN 248	2/11/1993	5	BF/PF	NONDIAGNOSTIC	UNKNOWN		QZ	BR		H	24	48	27	15			S		PTEC	115	299
TN 249	2/11/1993	5	GS	NONDIAGNOSTIC	UNKNOWN		UI				114.9	60	36	35					UG		
TN 250	2/13/1993	5	PP	GARY	MIDDLE/TRANSITIONAL ARCHAIC	U	UI	CO	H	H	6.1	30	20	9			H		UK	77	77
TN 251	2/13/1993	5	UT/FL/BL	NONDIAGNOSTIC	UNKNOWN		CH	CO		H	24.8	65	35	10		PB	S		EDWG	324	2
TN 252	2/13/1993	5	PP	ANGOSTURA (TX)	LATE PALEOINDIAN/EARLY ARCHAIC	P	PW	CO	H	H	5.2	30	23	6		PB	H		UK	299	234
TN 253	2/20/1993	5	PP	EPPS	MIDDLE/LATE ARCHAIC	A/UB	CH	CO	H	M	7.3	45	24	7					EDW	77	77
TN 254	2/20/1993	5	FL/USC	NONDIAGNOSTIC	UNKNOWN		CH	CO		M	9.6	32	31	9		PB			EDWG	134	324
TN 255	2/20/1993	5	PP	CLOVIS/PLAINVIEW	PALEOINDIAN	H	CH	CO		M	3.8	34	19	5					PTEC	77	77
TN 256	2/25/1993	5	PP	PELICAN	PALEOINDIAN	P	PW	CO	H	S	6.4	36	28	7					UK	77	77
TN 257	2/25/1993	5	PP	SCOTTSBLUFF	LATE PALEOINDIAN	S	CH	CO		S	13	70	24	7			H	Y	EDW	3	204
TN 258	2/27/1993	5	PP	PEARLY SIDE-NOTCHED	PLATE PALEOINDIAN	A	CH	CO		S	6.9	40	25	6			M	Y	EDW	134	324
TN 259	2/27/1993	5	PP	GARY	MIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO		M	7	45	22	8		OR			EDW	77	77
TN 260	2/27/1993	5	PP	DALTON	PALEOINDIAN	P	CH	CO	R	S	6.7	40	24	6	P		A		EDW	299	2
TN 261	3/2/1993	5	FL/BL	NONDIAGNOSTIC	UNKNOWN		CH	PE		H	3.9	22	21	7			M	Y	EDW	3	2
TN 262	3/2/1993	5	PPB	UNTYPED	PPALEOINDIAN		CH	BR		H	6.4	30	21	12			S		EDW	3	324
TN 263	3/2/1993	5	HS	NONDIAGNOSTIC	UNKNOWN		UI				159.1	68	50	32					UK		

Artifactno	Datefound	Accuracy	Function	Diagnostic	Period	Basalgrind	Material	Complete	Reworked	Wear	Weight	Length	Width	Thickness	Heattreat	Cortex	Patina	Colordif	Lithsource	Uvshortwv	Uvlongwave
TN 264	3/5/1993	5	FL	NONDIAGNOSTIC	UNKNOWN		CH			H	5.6	34	24	7					PEDW	299	2
TN 265	3/5/1993	5	FL/BSC	NONDIAGNOSTIC	UNKNOWN		CH	BR		H	6.9	32	27	7		PB	M		EDWG	204	324
TN 266	4/9/1993	5	UT	NONDIAGNOSTIC	UNKNOWN		CH	BR		M	5.6	33	29	4	P				EDW	299	2
TN 267	4/20/1993	5	PBT/SP	NONDIAGNOSTIC	UNKNOWN		JS			H	8.3	38	23	8		PB			PTEC	77	77
TN 268	4/20/1993	5	PP	PYARBROUGH	PLATE/TRANSITIONAL ARCHAIC	U	QZ	DE	H	M	6.1	34	20	9	T		M		UG(O)	77	MB21
TN 269	5/1/1993	5	BF	UNTYPED	UNKNOWN	U	CH	DE		S	15.8	55	29	9			S		EDW	299	3
TN 270	5/3/1993	5	PP	MARSHALL	LATE MIDDLE ARCHAIC	A	CH	CO	R	H	11.7	42	32	8			H	Y	EDW	77	77
TN 271	5/8/1993	5	PP	GARY	MIDDLE/TRANSITIONAL ARCHAIC	A	QC	CO		H	9.1	46	24	8			S		EDW	2	324
TN 272	5/8/1993	5	SC	NONDIAGNOSTIC	UNKNOWN		CH	CO	T	H	8.7	30	27	7		PB	H	Y	EDWG	115	115
TN 273	5/10/1993	5	BF/PF	NONDIAGNOSTIC	UNKNOWN		CH	BR		M	7.2	30	29	7		PB			EDWG	299	299
TN 274	5/18/1993	5	PP	PLAINVIEW	PALEOINDIAN	A	CH	PE		S	3.3	23	19	6			A		EDW	3	204
TN 275	5/18/1993	5	PP	ELAM	LATE ARCHAIC	A	CH	CO		M	3.6	29	17	6		PB			EDWG	77	77
TN 276	6/5/1993	5	PP	PADENA	PLATE/TRANSITIONAL ARCHAIC	A	CH	CO		M	14.3	62	29	7	P				EDW	299	299
TN 277	6/5/1993	5	PP	SAN PATRICE	PALEOINDIAN	P	CH	BB		M	7.5	50	26	6			S		EDW	3	134
TN 278	6/9/1993	5	PP	PALMILLAS	MIDDLE/LATE ARCHAIC	A	CH	CO		H	7.1	38	25	7		PB	M	Y	EDWG	134	BR
TN 279	6/9/1993	5	PP	GARY	MIDDLE/TRANSITIONAL ARCHAIC	A/UB	PW	CO		S	5	40	23	6		OR			UK	77	77
TN 280	6/9/1993	5	PP	YARBROUGH	LATE/TRANSITIONAL ARCHAIC	A	CH	CO	H	M	10.7	43	26	9		PB			EDWG	77	77
TN 281	6/9/1993	5	PP	KENT	MIDDLE/TRANSITIONAL ARCHAIC	A	CH	PE		M	4.3	27	18	0		PB	S		TECG	77	77
TN 282	6/9/1993	5	PP	GARY	MIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO		H	11.3	48	27	9		PB	H	Y	PEDWG	77	77
TN 283	6/12/1993	5	PP	PADENA	PLATE/TRANSITIONAL ARCHAIC	A	JS	CO	T	M	9.6	46	25	7			M	Y	PTEC	2	2
TN 284	6/12/1993	5	BF	NONDIAGNOSTIC	UNKNOWN	U	NV	DE		M	8.1	37	31	7			A		AKN	WHGY	PPGY
TN 285	6/12/1993	5	PP	PYARBROUGH	PLATE/TRANSITIONAL ARCHAIC	A	CH	CO		H	16.2	62	29	9			H		EDW	115	214
TN 286	6/9/1993	5	PP	NONDIAGNOSTIC	UNKNOWN		BN	CO		H	2	37	13	3			NA	NA	NA		
TN 287	6/9/1993	5	AW	NONDIAGNOSTIC	UNKNOWN		BN	CO		H	2.9	69	17	3			NA	NA	NA		
TN 288	9/21/1993	5	PS	NONDIAGNOSTIC	UNKNOWN		FP				265	80	61	32					UK		
TN 289	10/19/1993	5	BF	UNTYPED	UNKNOWN	A	QZ	PE		H	14	42	28	11		PB	M		PEDWG/PUG	2	2
TN 290	10/23/1993	5	PP	ELLIS	MIDDLE/TRANSITIONAL ARCHAIC	A	PW	CO		M	7.8	39	26	9		OR			UK	GR/RDORMT	77
TN 291	10/25/1993	5	PP	UNTYPED	UNKNOWN	A	UK	PE		H	7.5	33	26	8			M		PGR(U)	77	77
TN 292	10/25/1993	5	PP	UNTYPED	UNKNOWN	U	QZ	BB	H	M	5.3	37	21	6		OR	M		TEC	77	77
TN 293	10/25/1993	5	BF	UNTYPED	UNKNOWN	A	QZ	PE		H	20.8	40	40	9			M		PEDWG/PUG	324	324
TN 294	11/10/1993	5	UF	NONDIAGNOSTIC	UNKNOWN		FP	BR		H	12.7	40	37	7			H	Y	UK	3	GY/WH RD/OR
TN 295	11/15/1993	5	PP	BELL	EARLY ARCHAIC	A	CH	BM	H	S	9.7	58	29	6			M		EDW	3	299
TN 296	12/2/1993	5	PP	BIG SANDY	LATE PALEOINDIAN/EARLY ARCHAIC	A	CH	PE		M	4.7	22	24	6			S		EDW	2	2
TN 297	12/4/1993	5	PP	GARY	MIDDLE/TRANSITIONAL ARCHAIC	U	QZ	CO		H	2.9	30	21	6			M		TEC	77	77
TN 298	12/4/1993	5	DF/UF	NONDIAGNOSTIC	UNKNOWN		CH	BR		H	6.9	31	24	8		PB	S		EDWG	77	77
TN 299	12/10/1993	5	PP	PONCHARTRAIN	MIDDLE/TRANSITIONAL ARCHAIC	A	CH	CO		S	20.1	67	30	10			A		EDW	299	299
TN 300	12/13/1993	5	BF	UNTYPED	UNKNOWN	U	CH	SB	T	S	17.3	71	27	8			H		EDW	134	134
TN 301	12/31/1993	5	PP	GARY	MIDDLE/TRANSITIONAL ARCHAIC	A	QZ	CO	R	H	4.8	32	22	7			H		FQ	77	MB 21
TN 302	12/31/1993	5	PP	ANGOSTURA (TX)	LATE PALEOINDIAN/EARLY ARCHAIC	A	QZ	CO	H	H	4.1	30	21	6		PB	H		PEDWG/PUG	77	77
TN 303	1/12/1994	5	FL/BL/UT	UNTYPED	PPALEOINDIAN		CH	PE		S	7.9	52	26	5			A		CH	77	77
TN NLD6	1/16/1994	5	MBC	PPOVERTY POINT	PMIDDLE/TRANSITIONAL ARCHAIC		UI	CO		H	15.9	42	23	14			H		UK		
TN 304	1/20/1994	5	PP	UNTYPED	UNKNOWN	A	UI	CO		H	27.3	78	32	10			H		PEDW	299	299
TN 305	1/20/1994	5	BF	NONDIAGNOSTIC	UNKNOWN	U	CH	BR		H	7.1	32	25	8			H		EDW	324	77
TN 306	1/20/1994	5	PP	EARLY SIDE-NOTCHED	LATE PALEOINDIAN	H	CH	CO		M	5.5	37	23	6			M	Y	EDW	134	2
TN 307	1/31/1994	5	PP	SAN PATRICE	PALEOINDIAN	U	CH	DE		H	4	33	26	5	T				EDW	77	77
TN 308	1/31/1994	5	PP	GARY	MIDDLE/TRANSITIONAL ARCHAIC	A	QC	CO	H	M	5.5	33	24	7			H		EDW	77	77
TN 309	2/12/1994	5	PP	PELICAN	PALEOINDIAN	U	UI	BB	R	H	3	21	23	5			H		UK	77	77
TN 310	3/19/1994	5	PP	PGARY	PMIDDLE/TRANSITIONAL ARCHAIC	A	UI	CO	R	H	8.7	40	27	9			H		UK	77	77
TN 311	3/26/1994	5	PP	SCOTTSBLUFF	LATE PALEOINDIAN	A	CH	PE	B	S	47.4	83	30	10			S		EDW	214	299
TN 312	3/28/1994	5	PP	ELAM	LATE ARCHAIC	A	CH	CO	R	S	2.9	30	18	5			S		EDW	115	214
TN 313	4/13/1994	5	BF/KN	HARVEY-MINEOLA BIFACE	LATE ARCHAIC/LATE PREHISTORIC		PW	BR		H	7.2	35	19	7		OR			UK	77	77
TN 314	4/13/1994	5	PP	GARY	MIDDLE/TRANSITIONAL ARCHAIC	A	JS	CO	R	M	4.2	30	23	8		PB			PQCSG	77	MB 21
TN 315	4/23/1994	5	PP	GODLEY	LATE ARCHAIC/LATE PREHISTORIC	U	CH	CO	R	H	11.7	56	23	8			H		EDW	214	299
TN 316	5/3/1994	5	BF	UNTYPED	UNKNOWN	U	CH	PE/NB		H	23.7	52	29	11			H		EDW	OR/WH	134
TN 317	5/3/1994	5	PBT	NONDIAGNOSTIC	UNKNOWN		CH	BR		H	6.1	31	19	8		PB			EDWG	324	324
TN 318	5/18/1994	5	BF/PF	UNTYPED	PPALEOINDIAN		CH	MD		S	51.3	63	39	13			S	Y	EDW	OR/WH	134
TN 319	10/21/1994	5	AW	NONDIAGNOSTIC	UNKNOWN		BN	CO		H	12.3	88	20	6			NA	NA	NA		
TN 320	10/24/1994	5	PP	KENT	MIDDLE/TRANSITIONAL ARCHAIC	U	PW	CO		H	11.6	50	22	10			M		UK	2	324
TN 320A	10/24/1994	5	HS	NONDIAGNOSTIC	UNKNOWN		UI				215.1	90	46	32					UK		
TN 321	10/24/1994	5	AW	NONDIAGNOSTIC	UNKNOWN		AN	CO		H	3	58	12	3			NA	NA	NA		
TN 322	11/20/1994	5	BF/PF	UNTYPED	UNKNOWN		CH	CO		M	9.5	44	28	7			M		EDW	214	2
TN 323	11/20/1994	5	PP	GARY	MIDDLE/TRANSITIONAL ARCHAIC	U	QZ	CO		H	7.4	44	22	7			H	Y	FQ	2	2
TN 324	11/20/1994	5	DF/SC	NONDIAGNOSTIC	UNKNOWN		CH	CO		M	32.2	55	39	14		PB			EDWG	324	324
TN 325	11/20/1994	5	PP	EVANS	MIDDLE ARCHAIC	U	CH	CO		H	7.7	47	22	8		PB	M		EDWG	77	77
TN 326	11/29/1994	5	PP	ENSOR	TRANSITIONAL ARCHAIC	A	CH	CO	R	H	7.2	35	25	7		PB			EDWG	77	77
TN 327	11/29/1994	5	PP	PLAINVIEW	PALEOINDIAN	P	QC	CO		M	9.5	61	18	6			M		TEC	324	2
TN 328	1/23/1995	5	PP	KENT	MIDDLE/TRANSITIONAL ARCHAIC	A	QC	CO		H	7	51	18	9			M		PEDW	77	77
TN 329	2/10/1995	5	PP	GARY	MIDDLE/TRANSITIONAL ARCHAIC	U	QZ	CO		H	6.3	40	20	8			M		UK	77	77
TN 330	2/10/1995	5	FL/SC/GV	NONDIAGNOSTIC	UNKNOWN		PW	BR		H	3.8	30	20	6		PB	S		UK	77	77
TN 331	3/25/1995	5	PP	SCOTTSBLUFF	LATE PALEOINDIAN	P	CH	CO	H	M	10.6	51	25	9			S		EDW	214	299
TN 332	3/28/1995	5	PP	EARLY STEMMED LANC	LATE PALEOINDIAN	H	CH	CO		S	12.2	62	20	8			M	Y	EDW	2	2
TN 333	4/11/1995	5	UF	NONDIAGNOSTIC	UNKNOWN		CH	CO		M	4.2	42	20	4		PB	S		EDWG	324	324

Artifactno	Datefound	Accuracy	Function	Diagnostic	Period	Basalgrind	Material	Complete	Reworked	Wear	Weight	Length	Width	Thickness	Heattreat	Cortex	Patina	Colordif	Lithsource	Uvshortwv	Uvlongwave
TN 334	4/21/1995	5	PP	ENSOR	TRANSITIONAL ARCHAIC	A	CH	CO	H	M	5.1	27	25	7			S		EDW	134	2
TN 335	9/5/1995	5	UT/GV	NONDIAGNOSTIC	UNKNOWN		CH	BR		S	1	16	16	4			S		EDW	DKRDOR	77
TN 336	9/5/1995	5	PP	SCOTTSBLUFF	LATE PALEOINDIAN	U	CH	DE		M	10	54	23	8			S		EDW	2	214
TN 337	9/5/1995	5	FL/USC	NONDIAGNOSTIC	UNKNOWN		CH	CO		M	4.7	38	20	6			S		EDW	299	2
TN 338	11/16/1995	5	PBT	NONDIAGNOSTIC	UNKNOWN		CH	CO		M	7.1	37	23	9		PB			EDWG	324	324
TN 339	11/16/1995	5	HS	NONDIAGNOSTIC	UNKNOWN		QZ	CO			115.2	57	41	35					PUG		
TN 340	11/16/1995	5	PP	BIG SANDY	LATE PALEOINDIAN/EARLY ARCHAIC	A	PW	TB	R	M	10.9	55	26	10			S		ETXG	3	2
TN 341	11/16/1995	5	DF	NONDIAGNOSTIC	UNKNOWN		CH			H	5	42	23	7		PB			EDWG	324	324
TN 342	12/7/1995	5	BF	UNTYPED	UNKNOWN	U	CH	DE		H	6.2	32	25	8			M	Y	EDW	2	2
TN 343	12/14/1995	5	AZ	DALTON	PALEOINDIAN		CH	PE/NB		M	16.4	33	30	12			M	Y	EDW	324	2
TN 344	12/14/1995	5	PP	UNTYPED	UNKNOWN	U	CH	SB		S	8	45	24	6			S		EDW	324	324
TN 345	12/19/1995	5	PP	CLOVIS	PALEOINDIAN	U	CH	MD		M	13.1	38	27	7			M		EDW	324	2
TN 346	12/19/1995	5	PP	UNTYPED	UNKNOWN	U	CH	SB		M	6.6	34	25	7			M		EDW	77	77
TN 347	12/19/1995	5	AW	NONDIAGNOSTIC	UNKNOWN		CH	CO		M	7.1	41	20	9		PB	M		EDWG	77	77
TN 348	4/3/1996	5	PP	BIG SANDY	LATE PALEOINDIAN/EARLY ARCHAIC	P	UI	CO	H	H	5.1	34	20	6			H		UK	3	2
TN 348A	4/3/1996	5	PAW	NONDIAGNOSTIC	UNKNOWN		BN	CO			7.8	77	20	5			NA		NA		

Part II: Artifact Color Data

Artifactno	Colororig	Colorweath	Colorcort	Munsellor1	Munsellor2	Munsellor3	Munsellor4	Munsellor5	Munsellwt1	Munsellwt2	Munsellwt3	Munsellwt4	Munsellwt5	Munsellct1	Munsellct2	Munsellct3	Munsellct4	Munsellct5
BN 1	GYBR/DKGYBR/LTGYSP			10 YR 5/2	10 YR 4/2	10 YR 7/2												
BN 2	BR	DKBR/RDYL		7.5 YR 5/2	7.5 YR 5/4				7.5 YR 4/6	7.5 YR 7/6								
BN 3	LTBR/YL/YLBR/LTBLGY		DKYLBR	10 YR 8/4	10 YR 8/6	10 YR 7/6	10 YR 5/6	7.5 YR N6/0						10 YR 4/4				
BN 15	LTBR/GYBR/GYSP		DKYLBR	10 YR 6/3	10 YR 5/2	10 YR 5/1								10 YR 4/4				
BN 16	LTBRGY/RDGY/LTRD			10 YR 6/2	2.5 YR 5/2													
BN 17	LTGY/LTBR/BRYL/LTGYSP			10 YR 7/2	10 YR 7/3	10 YR 6/6												
BN 18	YLBR/LTGYSP	RDHT		10 YR 5/6					10 R 4/6									
BN 19	LTBR/LTYLBR/LTGYSP			10 YR 7/4	10 YR 6/4													
BN 20	LTBR/BR/LTLTBRSP			10 YR 6/3	10 YR 5/3	10 YR 7/4												
BN 21	DKGY			2.5 Y N4/0														
BN 22	WH	YL/RDYLMT		2.5 Y 8/2					2.5 Y 7/6	7.5 YR 7/6								
BN 23	DKDKGY/DKGY/RDBR/LTGYMT			7.5 YR N3/0	7.5 YR 4/1	5 YR 5/4												
BN 24	DKYLBR/YLBRMT			10 YR 3/4	10 YR 5/4													
BN 25	GY		BK/LTRDBR	5 YR 5/1										7.5 YR 5/3				
BN 26	DKRDBR/DKRDGY			5 YR 3/2	5 YR 4/2													
BN 27	GYBR/BRYL			10 YR 5/2	10 YR 6/6													
BN 28	RDBR/LTRDBR			5 YR 4/4	5 YR 6/3													
BN 29	DKBR/BR/DKYLBR/GYBR		LTBR	7.5 YR 4/2	7.5 YR 4/6	10 YR 4/4	10 YR 5/2							10 YR 7/3				
BN 30	RD/LTBRMT/LTGYSP	LTRD/RDBR		2.5 YR 5/4	10 YR 7/3				10 R 5/3	5 YR 5/3								
BN 31		RDGY/RDBR							5 YR 5/2	7.5 YR 6/6								
BN 32	DKBR/BR/LTRDMT/DKGYBR			7.5 YR 3/4	7.5 YR 5/4	10 R 4/4	10 YR 4/2											
BN 33	LTBR/YLBR/LTGYSP			10 YR 7/3	10 YR 5/4													
BN 34	DKGY/LTGYMT			7.5 YR N4/0	10 YR 7/1													
BN 35	DKGY/DKBR			10 YR 3/2	10 YR 4/3													
BN 36	RDYL/DKBR	YLRDHT		7.5 YR 7/6	7.5 YR 5/6				5 YR 5/6									
BN 37	GYBR/LTYLBR			10 YR 5/2	10 YR 6/4													
BN 38	BK																	
BN 39	RDGY/LTBR/LTGY	BRYLST/YLBR	DKYLBR	5 YR 5/2	10 YR 7/3	10 YR 7/2			10 YR 6/6	10 YR 5/6								
BN 40	DKYLBR		DKGY/DKBR	10 YR 4/4										10 YR 3/1	10 YR 3/3			
BN 41	DYTLBR		DKBR	10 YR 4/6										7.5 YR 4/4				
BN 42	DKRDGY/DKRDBR/LTGYSP			5 YR 4/2	5 YR 3/4													
BN 43		YLRD							5 YR 5/6									
BN 44	RDYL/LTGYWHSP			7.5 YR 7/6														
BN 45	RDYL/BRYL/LTGYWHSP	RDHT		7.5 YR 7/6	10 YR 6/6				2.5 YR 5/6									
BN 46	YLBR/LTYLBR/YLRD			10 YR 5/6	10 YR 6/4	5 YR 5/6												
BN 47	BR/DKYLBR		WH	10 YR 5/3	10 YR 4/4													
BN 48	BK																	
BN 49	DKGYRD	DKRDBR/LTRDGY		5 YR 4/2					5 YR 3/2									
BN 50		LTRDHT	DURDHT						10 R 4/3					10 R 2.5/2				
BN 51		RDGY/LTRD/RDMT/LTBRSP							10 R 5/1	10 R 6/1	10 R 5/3	10 R 4/4	10 YR 7/3					
BN 52																		
BN 53	LTBR/LTYLBR/DKBR		GY	10 YR 7/4	10 YR 6/6	10 YR 3/3								10 YR 5/1				
BN 54	LTGY/BKSP			10 YR 7/1	10 YR 2/1													
BN 55	LTBR			10 YR 8/3														
BN 56	LTBRGY/LTGYSP			10 YR 6/2														
BN 57	DKDKGYBR/DKGYBR/LTGYSP			10 YR 3/2	10 YR 4/2													
BN 58	LTBRYL/YLBR/DKYLBR			10 YR 6/4	10 YR 5/6	10 YR 4/6												
BN 59	GYBR/YLBR		WH	10 YR 4/2	10 YR 5/4													
BN 60		BR/LTBR/RD							7.5 YR 5/6	10 YR 7/4								
BN 61	BK	RD		10 YR 2/1					10 R 4/8									
BN 62	LTBRGY		DKGY/WH	10 YR 6/2														
BN 63	YL/YLBR/DKBR/BRYL/LTGYSP			10 YR 7/6	10 YR 5/6	7.5 YR 5/6	10 YR 6/6											
BN 64	LTRD/LTBRSP			2.5 YR 4/2	10 YR 8/3													
BN 65	BRYL/YLBR/BR	DKGYST		10 YR 6/6	10 YR 5/4	10 YR 5/3												
BN 66	GY/LTBRBN/LTGYSP			10 YR 5/1	10 YR 7/3													
BN 67	LTBRGY/GY/DKGY/LTGYSP			10 YR 6/2	10 YR 5/1	10 YR 4/1												
BN 68	DKYLBR	LTBR/LTGYMT/LTYLBR/YLBR/BR		10 YR 4/2					10 YR 8/3	10 YR 7/2	10 YR 6/4	10 YR 5/4	10 YR 5/3					
BN 69	YL/YLBR		YLBR	10 YR 7/6	10 YR 5/6									10 YR 5/4				
BN 70	DKGY/WH		BK	10 YR 3/1														
BN 71	DKGY/WHMT			10 YR 4/1	10 YR 8/1													
BN 72	BR/DKBRMT/LTGYSP			7.5 YR 5/4	7.5 YR 5/6													
BN 73	DKBR			7.5 YR 3/2														
BN 74	GYBR/RDSP			10 YR 5/2														
BN 75	LTYLBR/YLBR/LTGYSP//RDBR		DKBR	10 YR 6/4	10 YR 5/6	10 YR 5/4								10 YR 3/3				
BN 76	BRYL/LTBRYLMT		DKBR	10 YR 6/8										10 YR 3/3				
BN 77	YL	RDYL/LTRDYL							7.5 YR 6/6									
BN 78	BR	RDYL/LTBR/LTGYSP		7.5 YR 5/4					7.5 YR 7/6	10 YR 6/4								
BN 79	DKGYBR/RDBR			10 YR 4/2	2.5 YR 5/4													
BN 80	GY			10 YR 5/1														

Artifactno	Colororig	Colorweath	Colorcort	Munsellor1	Munsellor2	Munsellor3	Munsellor4	Munsellor5	Munsellwt1	Munsellwt2	Munsellwt3	Munsellwt4	Munsellwt5	Munsellct1	Munsellct2	Munsellct3	Munsellct4	Munsellct5
BN 81	DKGY			10 YR 5/1														
BN 82	BR/DKBR		WH	10 YR 5/3	10 YR 3/3									10 YR 8/1				
BN 83	LTBR/LTYLBR			10 YR 7/4	10 YR 6/4													
BN 84		YL/WHSP							10 YR 7/8	10 YR 8/2								
BN 85	DKYLBR/YLBR			10 YR 4/4	10 YR 5/4													
BN 86	LTBR/WH			10 YR 7/4	10 YR 8/2													
BN 87		RD							2.5 YR 4/6									
BN 88																		
BN 89	GYBR	LTGY		10 YR 5/2					10 YR 7/1									
BN 90	DKRDBRHT	BLPKGY		2.5 YR 3/4					5 YR 6/2	5 YR 7/2								
BN 91	GYBR	BR/RDYL/DKBR		10 YR 5/2					7.5 YR 5/6	7.5 YR 7/6	7.5 YR 4/4							
BN 92	DKYLBR/LTBRSP	LTYL/LTYLBR		10 YR 4/4	10 YR 7/3				2.5 Y 7/4	2.5 Y 6/4								
BN 93	LTGY/WHSP	WH/YL/RDYLSP		10 YR 7/1					2.5 YR 8/2	2.5 YR 7/6	7.5 YR 7/6							
BN 94	YLBR/BRYL/WHLTGYSP			10 YR 5/6	10 YR 6/6													
BN 95	GYBR	BRYL/BR		10 YR 5/2					10 YR 6/8	10 YR 5/3								
BN 96	GY/DKGY	RDYL/GYMT		2.5 YR 5/1	7.5 YR N3/0				7.5 YR 6/6	10 YR 5/1								
BN 97	LTGY/WHSP/GYBRSP			10 YR 7/1														
BN 98	DKGY/DKDKGY/BR/LTGY			7.5 YR N4/0	7.5 YR N2/0	7.5 YR 4/6	10 YR 7/2											
BN 99	BRYL/GY/WHMT		DKBR	10 YR 6/6	10 YR 5/1	10 YR 8/1								10 YR 4/3				
BN 100	BR/LTGYSP			7.5 YR 5/6														
BN 101	YLBR	BR	DKGY	10 YR 5/4					7.5 YR 5/2					7.5 YR 3/2				
BN 102	RDYL/LTGYSP	BR/RDYL/RDBR/DKRDBR		7.5 YR 6/6					7.5 YR 5/4	7.5 YR 7/6	5 YR 5/4	5 YR 3/3						
BN 103	GY/DKGY		WH	10 YR 5/1	10 YR 4/1									10 YR 8/2				
BN 104	DKGY/LTGYBN			7.5 YR N3/0	7.5 YR 7/0													
BN 105	LTBR/YLBRMT/LTGYSP			10 YR 7/4	10 YR 5/6													
BN 106	GYBR/LTGYSP	YLBR		10 YR 5/2					10 YR 5/4									
BN 107	GYBR	LTBLGY	DKRDBR	10 YR 5/2					7.5 YR N7/0					5 YR 3/3				
BN 108	LTBR/LTYLBR/LTGYBRGYSP		DURD	10 YR 6/3	10 YR 6/4									10 R 3/4				
BN 109	DKGYBR			10 YR 4/2														
BN 110	LTBR/LTYLBR/BRGY			10 YR 6/3	10 YR 6/4	10 YR 5/2												
BN 111	LTBRGY/LTGYSP	LTYLBR/YL/RDBRMT		10 YR 5/2					10 YR 6/4	10 YR 7/6	10 YR 4/4							
BN 112	LTRD	LTBLRD	BR/PK	2.5 YR 4/2					10 R 6/2					7.5 YR 5/2	7.5 YR 8/4			
BN 113		DKYLBR							10 YR 4/6									
BN 114	LTRDBR/PKGY/	WHMT/PKGY/YLSP		5 YR 6/4	5 YR 6/2				5 YR 8/1	5 YR 7/2	10 YR 8/6							
BN 115	GYMT/BRYL			10 YR 6/1	10 YR 5/1	10 YR 6/6												
BN 116		BRYLMT/LTBR/YL							10 YR 6/6	10 YR 7/3	10 YR 7/6							
BN 117	LTBR	RDBR	DKGYBR	10 YR 7/3					2.5 YR 4/4					10 YR 4/2				
CN 1	LTGY/WH/LTBRGY			10 YR 7/1	10 YR 8/2	10 YR 6/2												
CN 1A	DKBR	WH		10 YR 4/3														
CN 2	DKYLBR	LTBRGY		10 YR 3/4					10 YR 6/2									
CN 3	DKGY	YLBRMT		2.5 Y 4/0					10 YR 5/6									
CN 4	YL	DKBR/LTGY		10 YR 7/6					10 YR 3/3									
CN 5	DKGYBR/DKRDBR/YLRD/LTBRSP			10 YR 4/2	5 YR 3/4	5 YR 5/8	10 YR 7/4											
CN 5A	LTBR/GY/BR			10 YR 6/3	10 YR 5/1	10 YR 5/3												
CN 5B	LTBRGY	LTBR/YLBR		10 YR 6/2					10 YR 7/4	10 YR 4/6								
CN 5C	DKYLBR/RDBR			10 YR 4/6	2.5 YR 4/4													
CN 6	BK			5 Y 2.5/1														
CN 7	DKYLBR	LTYLBRMT		10 YR 4/6					10 YR 6/4									
CN 8	YLBR/DKGYBR			10 YR 5/4	10 YR 3/2													
CN 9	LTBRGY/RDSP			10 YR 6/2	10 R 4/6													
CN 10	YL/DKBRGY/LTBRGY			10 YR 8/6	10 YR 7/8	10 YR 6/2												
CN 10A	RDBR/LTYLBR/LTBRSP			2.5 YR 5/4	10 YR 6/4	10 YR 5/3												
CN 11	LTGY/RDBR/BRYL			10 YR 7/2	2.5 YR 5/4	10 YR 6/6												
CN 12	DKGYBR/YLSP			10 YR 3/2	10 YR 7/6													
CN 13	LTBRYL	LTYLBR		10 YR 6/6														
CN 13A	DKGY			2.5 YR 3/0														
CN 14	DKGY			10 YR 3/1														
CN 15	GYBR	DKRDBRMT		10 YR 5/2					5 YR 4/2									
CN 16	GY	LTGY		2.5 Y N5/0					2.5 Y N7/0	10 YR 7/1								
CN 17	GYBR/LTGYMT			10 YR 5/2	10 YR 7/2													
CN 18	DKYLBR/DKGYBN			10 YR 4/4	10 YR 3/1													
CN 19	DKYLBR/DKGYBR			10 YR 3/6	10 YR 4/2													
CN 20		YLRD							5 YR 5/8									
CN 21	LTBR	YL/LTGY		10 YR 7/4					10 YR 7/6	10 YR 7/2								
CN 22	DKRDBR	LTBLGY/WHSP		2.5 YR 3/4														
CN 23																		
CN 24	GY	GY/DKBRGY/YLBR/RDBRMT		2.5 Y 5/0					10 YR 5/1	10 YR 4/2	10 YR 5/8	5 YR 5/4						
CN 25	BR/LTBRSP	RDBR/DURDHT		10 YR 7/4					2.5 YR 4/2	2.5 YR 4/4	10 R 3/4							
CN 26		WH/LTGY/ORRDSP																

Artifactno	Colororig	Colorweath	Colorcort	Munsellor1	Munsellor2	Munsellor3	Munsellor4	Munsellor5	Munsellwt1	Munsellwt2	Munsellwt3	Munsellwt4	Munsellwt5	Munsellct1	Munsellct2	Munsellct3	Munsellct4	Munsellct5
CN 27	GY	DKGYBR/DKGYSP		10 YR 5/1					10 YR 4/2									
CN 28	BRGY/LTBRGY/YLRDSP			10 YR 5/2	10 YR 6/2	5 YR 5/6												
CN 29	GYBR/LTRD			10 YR 5/2	2.5 YR 4/2													
CN 30	DKGYBR/DKDKGYBR/LTGYMT			10 YR 4/2	10 YR 7/2													
CN 31	LTBRGY/GY			10 YR 6/2														
CN 32		RDBR/LTBR							10 YR 5/4	10 YR 7/3								
CN 33	LTBR	RDYL		10 YR 7/3					5 YR 6/6									
CN 34	LTBR/YL/BRMT	LTPKHT		10 YR 7/4	10 YR 7/6	7.5 YR 5/4												
CN 35	YLBR/LTGYMT/LTRD			10 YR 5/4	10 YR 7/1	10 R 5/3												
FR 1	DKGY/YLBR/LTYLBRMT/LTGYSP	YLBR/YLRD		10 YR 4/1	10 YR 5/4	10 YR 6/4			5 YR 5/6									
FR 2	LTGY	LTYLBR		10 YR 7/2					10 YR 6/6									
FR 3	DKBR			10 YR 2/2														
FR 4	GYBR	YLBR/RDBRSP		10 YR 5/2					10 YR 5/6	2.5 YR 4/4								
FR 5	DKBR/YLSP			10 YR 4/3	10 YR 7/6													
FR 6	RDBK	GY							10 YR 6/1									
FR 7	DKYLBR/DURD/RDBR/LTBRSP			10 YR 4/4	10 R 3/2													
FR 8	DKGYBR/DKOLGRSP	DKGY/RD	LTGY/WH	2.5 Y 4/2	2.5 Y 3/2				5 Y 3/1	2.5 YR 5/6								
FR 9	DKYLBR/BR		RDBR	10 YR 4/4	10 YR 5/3									5 YR 4/4				
FR 10	LTRD	RDGYMT		10 R 5/4					10 R 5/1									
FR 11	LTGYBR/LTRD/DURDSP		WH	10 YR 6/2	10 R 5/2	10 R 5/4	10 R 3/2											
FR 12	BRYL/YLBR/LTBRSP			10 YR 6/6	10 YR 5/6													
FR 13	LTBRGY/LTBR/LTYLBR	YLBRSP		10 YR 6/2	10 YR 6/3	10 YR 6/4			10 YR 5/8									
FR 14	BRYL/YLBR	RDHT		10 YR 6/6	10 YR 6/4													
FR 15	DKGYBR/DKRDGY/LTBRBN			10 YR 4/2	10 R 4/1	10 YR 6/3												
FR 16		RDYL/YLRD/DKGYRDMTHT							5 YR 6/8	5 YR 5/8	5 YR 4/2							
FR 17	BR/DKGY/LTGYSP	DURD	BK	10 YR 5/3	10 YR 4/1	10 YR 7/2			2.5 YR 3/2									
FR 18	DKBR/BR/LTYLBR/LTGYSP		DKYLBR/RDMTHT	10 YR 4/3	10 YR 5/3	10 YR 6/4	10 YR 7/2							10 YR 4/4				
FR 19	DKBR/LTBRMT			10 YR 3/3	10 YR 5/3													
FR 20	LTBR/GY	LTRD/PHT		10 YR 5/3	10 YR 5/1				10 R 4/4									
FR 21	DKGY/DKYLBRBN	BR		10 YR 4/1	10 YR 4/4													
FR 22	LTYLBR	YLRDHT		10 YR 6/4					10 YR 4/6									
FR 23	WH/GY			10 YR 8/1	10 YR 5/1													
FR 24	LTBLWH	LTYLST																
FR 25	PPRD																	
FR 26	DKGYRD																	
FR 27	GYBR	LTBR/LTYLBR/WH/BLGY		10 YR 5/2					10 YR 7/4	10 YR 6/4								
FR 28																		
FR 29	DKYLBR/YLBR	LTGY/DURDHT		10 YR 4/4					2.5 YR 3/2									
FR 30	DKBLGY/LTGY/LTBRGY/DKGY	LTBLGY/BR		2.5 YR N4/0	10 YR 7/1	10 YR 6/2	2.5 YR N/0											
FR 31	DKYLBR/LTYLBRMT	RD/PHT		10 YR 3/4	10 YR 6/3													
FR 32	LTBR	WH		10 YR 7/4														
FR 33	DKGYBR/LTBLGYSP			10 YR 3/2														
FR 34	DKGYBR/LTYLBR/LTBRYLSP			10 YR 3/2	10 YR 6/6													
FR 35	DKGY/DKGYBR			10 YR 4/1	10 YR 4/2													
FR 36	DKBR/DKGYBR	LTYLBR		10 YR 3/3	10 YR 4/2				10 YR 5/4									
LV 1	RDBR/BR/LTBR	LTGY		5 YR 4/4	7.5 YR 4/6	10 YR 7/3			10 YR 7/1									
LV 2	YLBR/LTGY			10 YR 5/4	10 YR 5/6	10 YR 7/2												
LV 3	DKBRGY/OLBR/LTGYSP			2.5 Y 4/2	2.4 Y 4/4	2.5 Y 7/2												
LV 4	RDDYL/BRYL/LTBR			7.5 YR 7/6	10 YR 6/6	10 YR 8/2												
LV 5	YLBR/BRYL/LTGY			10 YR 5/8	10 YR 6/8	10 YR 7/2												
LV 6	LTYLBR/LTLTYLBR/DKYLBR		LTBR	10 YR 6/4										10 YR 8/3				
LV 7																		
LV 8																		
LV 9	RDYL/YLRD			7.5 YR 3/6	5 YR 5/8													
LV 10	YLBR/LTYLBR/DKYLBR/GY			10 YR 5/6	10 YR 5/1													
LV 11	BRYL/DKYLBR			10 YR 6/6	10 YR 4/6													
LV 12	BR/YLBRMT			7.5 YR 5/6	10 YR 5/8													
LV 13	RDYL/LTBRGY			7.5 YR 6/8	10 YR 6/2													
LV 14	LTYLBR/BR			10 YR 6/4	10 YR 5/3													
LV 15	LYBR/WH	BRYLST		10 YR 8/3	10 YR 8/2				10 YR 6/6									
LV 16	LTBR	DKYLBR/LTLTBR		10 YR 7/4					10 YR 4/6	10 YR 8/2								
LV 17	LTYLBR			10 YR 6/4														
LV 18	DKYLBR/YLBR			10 YR 4/4	10 YR 5/6													
LV 19		YLRDHT							10 YR 4/6									
LV 20	BRYL/LTBR/YLMT			10 YR 6/6	10 YR 7/3	10 YR 7/8												
LV 21	LTBR	YLBR/DKYLBRMT		10 YR 6/3					10 YR 5/4	10 YR 4/6								
LV 22	YLBR	LTBR/WH		10 YR 5/6					10 YR 7/3	10 YR 8/2								
LV 23		BR							7.5 YR 4/6									
LV 24	YLBR/LTBR			10 YR 5/4	10 YR 7/4													

Artifactno	Colororig	Colorweath	Colorcort	Munsellor1	Munsellor2	Munsellor3	Munsellor4	Munsellor5	Munsellwt1	Munsellwt2	Munsellwt3	Munsellwt4	Munsellwt5	Munsellct1	Munsellct2	Munsellct3	Munsellct4	Munsellct5
LV 25	DKYLBR/YLBR/LTGY			10 YR 4/4	10 YR 4/6	10 YR 5/6	10 YR 7/2											
LV 26	BRYL/RDBR	LTGYSP		10 YR 6/6	5 YR 5/4													
LV 27	YLBR/DKGY	YL	DKYLBR	10 YR 5/6	10 YR 4/1				10 YR 7/6					10 YR 3/4				
LV 28	GYBR/LTGYSP			10 YR 5/2	10 YR 7/2													
LV 29	YLBR	RDHT/BKST		10 YR 5/6														
LV 30	BRYL		DKYLBR	10 YR 6/8										10 YR 4/4				
LV 31	DKYLBR	RDHT		10 YR 4/4					10 R 4/6									
LV 32	LTYLBR/LTBR/LTGY			10 YR 6/4	10 YR 7/4	10 YR 7/2												
LV 33	LTBR	LTRDBRMTHT		10 YR 7/4					5 YR 6/4									
LV 34	BR/DKBR	RDHT	DKGY	10 YR 4/4	7.5 YR 5/6													
LV 35	LTYL/LTGY/PKGYMT			2.5 Y 7/4	2.5 Y 7/2	7.5 YR 7/2												
LV 36	BRYL/BR/YLBRMT			10 YR 6/6	10 YR 4/3	10 YR 5/6												
LV 37		DKRDBR/DKRDHT/WHSP							2.5 YR 3/4	2.5 YR 3/6								
LV 38	LTYLBR/LTBR/WHLTGYSP			10 YR 6/4	10 YR 7/4													
LV 39	LTGY/LTYLBR/YL/LTGYYLSP			10 YR 7/2	10 YR 6/4	10 YR 7/6	10 YR 8/6											
LV 40	YLBR/BRYL		DKYLBR	10 YR 5/6	10 YR 6/6													
LV 41	YLRD/BRYL/LTGYSP			5 YR 5/6	10 YR 6/6													
LV 42	GY/DKRDGY/WHSP			10 YR 5/1	10 YR 4/2	10 YR 8/2												
LV 43	GYBR/BR			10 YR 5/2	10 YR 4/3													
LV 44	LTBR	LTLTBR/YLSP		10 YR 6/3					10 YR 7/4	10 YR 7/6								
LV 45	GYBR/DKYLBRBN			10 YR 5/2	10 YR 4/4	10 YR 4/6												
LV 46	DKGY/RDBR/RD			2.5 Y N4/0	5 YR 5/4	2.5 YR 4/6												
LV 47	DKYLBR/BRYLSP			10 YR 4/4					10 YR 6/6									
LV 48	BR/LTBRGY			10 YR 5/3	10 YR 6/2													
LV 49	YLBR/LTBRSP			10 YR 5/4	10 YR 7/4													
LV 50	BRYL/YL			10 YR 6/6	10 YR 7/8													
LV 51	LTBR/LTRDBRMT/LTGYSP			10 YR 7/4	5 YR 6/4	5 YR 7/1												
LV 52	BRYL/LTGY/DKYLBR			10 YR 6/6	10 YR 7/1	10 YR 4/4												
LV 53	BR	RDHT		10 YR 5/3					2.5 YR 4/6									
LV 54	GY/LTOLGY/WHLTGYSP			5 Y 6/1	5 Y 6/2													
LV 55	LTBR/YL/DKYLBRSP/WHSP			10 YR 7/4	10 YR 7/6	10 YR 4/4	10 YR 8/2											
LV 56	DKYLBR			10 YR 4/6														
LV 57	YLRD			5 YR 4/6														
LV 58	YLRD			5 YR 4/6														
LV 59	DKRDBR/LTGYSP			5 YR 3/4	5 YR 7/1													
LV 60	YLOR/YLRD/LTBR			5 YR 5/6	10 YR 8/4													
LV 61	LTYLBR	DKRD/RDHT							10 R 3/6	10 R 4/6								
LV 62	LTBR	LTRDBRST		10 YR 7/4	10 YR 8/3				5 YR 6/4									
LV 63	BK			7.5 YR N2/0														
LV 64		BR/DURD		7.5 YR 4/6	10 R 3/4													
LV 65	DKGY	WH/RDST		5 YR 3/1					7.5 YR N8/0	2.5 YR 4/6								
LV 66	RDYL	BR		7.5 YR 6/6					7.5 YR 4/6									
LV 67	BR	LTBR/GYBR/DKGYBR		7.5 YR 5/2					10 YR 7/4	10 YR 5/2	10 YR 3/2							
LV 68	RDYL	LTBR		7.5 YR 6/6					10 YR 8/3									
LV 69	YL/BRYL/DKYLBR/DKGYMT			10 YR 7/6	10 YR 6/6	10 YR 4/4	10 YR 4/1											
LV 70	YLBR/RDBR/LTBRSP			10 YR 5/4	2.5 YR 5/4	10 YR 8/3												
LV 71																		
LV 72	LTBR	GYBR/GY/BRMT		10 YR 8/3	10YR 7/3				10 YR 5/2	10 YR 5/6	10 YR 5/3							
LV 73	YLBR	GYBR/LTGYBR		10 YR 5/6					10 YR 5/2	10 YR 6/2								
LV 74	DKYLBR/YLBRBN	LTGY		10 YR 4/6	10 YR 5/6				10 YR 7/2									
LV 75	YL	DKYLBR		10 YR 7/6					10 YR 4/6									
LV 76	LTBR/YLBR			10 YR 6/3	10 YR 5/6													
LV 77	LTGY	LTYLBRMT		10 YR 7/2					10 YR 6/4									
LV 78	DKYLBR/BR			10 YR 4/4	7.5 YR 5/6													
LV 79	YLRD/YLBR			5 YR 4/6	10 YR 5/8													
LV 80	LTBR/WH	BR/DKRD		10 YR 7/3	10 YR 8/3	10 YR 8/2			10 YR 5/3	10 R 3/6								
LV 81	YLBR	BR/LTBRMT		10 YR 5/4					10 YR 5/3	10 YR 7/4								
LV 82	LTGY/WH/YLSP			10 YR 7/2	10 YR 8/3	10 YR 7/6												
LV 83	DKBLGY/LTGYBN/WHSP			2.5 Y N3/0	2.5 Y N8/0													
LV 84	DKYLBR/YLBR			10 YR 4/4	10 YR 5/4													
LV 85	BRYL	YLRD/RDST		10 YR 6/6					5 YR 4/6	10 R 4/6								
LV 86	DKBR/BR/RDYL	LTGYSP	DKRD	7.5 YR 5/6	7.5 YR 5/3	7.5 YR 7/6												
LV 87	LTGY/RD/LTRD			10 YR 7/2	2.5 YR 4/6	2.5 YR 4/2												
LV 88		RDYL							5 YR 6/6									
LV 89	BRYL			10 YR 6/6														
LV 90	GY	RDHT		10 YR 5/1														
LV 91	LTBR/LTYLBR	RDHT		10 YR 7/3	10 YR 6/4				2.5 YR 4/6									
LV 92	DKGY/WHSP	LTRD/LTBRGY		2.5 YR N4/0					2.5 YR 6/6	10 YR 6/2								
LV 93		YL/WH							10 YR 7/6	10 YR 8/1								

Artifactno	Colororig	Colorweath	Colorcort	Munsellor1	Munsellor2	Munsellor3	Munsellor4	Munsellor5	Munsellwt1	Munsellwt2	Munsellwt3	Munsellwt4	Munsellwt5	Munsellct1	Munsellct2	Munsellct3	Munsellct4	Munsellct5
LV 94	LTBR/WH	RDHT		10 YR 8/3	10 YR 8/1													
LV 95		YLRD/RDHT							5 YR 4/4	10 R 4/4								
LV 96	DKRDBR			5 YR 3/2														
LV 97	YLBR/WHSP			10 YR 5/6	10 YR 5/8													
LV 98	YLBR	YLRD		10 YR 5/6					5 YR 5/8									
LV 99	GY/LTBR	RDHT		5 YR 5/1	10 YR 7/3				10 R 4/6									
LV 100	LTYLBR/BRYL/LTBRGY			10 YR 6/4	10 YR 6/6	10 YR 6/2												
LV 101	BR/LTRD/WHLTSP			7.5 YR 4/6	10 R 5/4													
LV 102	RDYL/YLRD/GY			5 YR 6/6	5 YR 5/6	5 YR 5/1												
LV 103		YLRD							5 YR 5/6									
LV 104	BR/PKGY/DKGYSP			7.5 YR 5/4	7.5 YR 6/2	7.5 YR N4/0												
LV 105	RDYL/BR		DKBR	7.5 YR 7/6	7.5 YR 4/6									7.5 YR 4/2				
LV 106	DKBR/BR			7.5 YR 4/4	7.5 YR 5/8													
LV 107	BR/RDYL			7.5 YR 5/2	7.5 YR 6/6													
LV 108	LTBRGY/OLGY/GY	RDYL/PKGY		2.5 YR 6/2	5 Y 5/2	7.5 YR 5/1			7.5 YR 6/6	7.5 YR 7/2								
LV 109	LTOLGY/LTBRGY	BR		5 Y 6/2	2.5 YR 6/2				7.5 YR 5/6									
LV 110	RDYL/BR			7.5 YR 7/6	7.5 YR 5/6													
LV 111	YL	DKYLBR		10 YR 7/6										10 YR 4/6				
LV 112		RDYL							7.5 YR 6/6	7.5 YR 7/6								
LV 113	RDYL	DKBR							7.5 YR 4/4									
LV 114	GYBR	LTBRGY/BR/DKBR		10 YR 5/2					10 YR 6/2	10 YR 5/3	10 YR 4/3							
LV 115	LTGY/WHMT			7.5 YR N7/0	7.5 YR N8/0													
LV 116	GY/LTGYMT			10 YR 5/1	10 YR 6/1													
LV 117	BR/RDYL			7.5 YR 5/6	7.5 YR 7/6													
LV 118	LTBR	BR/RD		7.5 YR 6/6					7.5 YR 5/6									
LV 119	WH	RDHT		10 YR 8/2														
LV 120	LTGY	BR		5 Y 7/2					7.5 YR 5/6									
LV 121	RD	LTRD/RDYLSP		10 R 4/6					10 R 6/4	5 YR 7/6								
LV 122		LTBR/LTLTBRMT							7.5 YR 6/4	10 YR 8/3								
LV 123	DKGY/LTGY	LTRDBR/LTRD		7.5 YR N3/0	5 YR 6/1				2.5 YR 6/4	2.5 YR 6/6								
LV 124	LTBR	LTYLBR/YLBR		10 YR 6/3					10 YR 6/4	10 YR 5/6								
LV 125	LTYLBR			10 YR 6/4														
LV 126	RD/DKYLBR/DKGY			10 R 4/6	10 YR 4/4	10 YR 3/2												
LV 127	BR/LTRD			10 YR 5/3	2.5 YR 4/2													
LV 128	RDYL		BR	7.5 YR 7/8										7.5 YR 5/6				
LV 129	RDYL			7.5 YR 7/6														
LV 130	GY/WHSP			10 YR 5/1														
LV 131	YL	BRYL	YLBR	10 YR 8/8					10 YR 6/6					10 YR 5/8				
LV 132	DKYLBR	WH		10 YR 3/6					10 YR 8/2									
LV 133	GY/LTGYMT			2.5 Y N5/0	2.5 Y 7/2													
LV 134																		
LV 135	BR/RDYL			7.5 YR 5/6	7.5 YR 6/6													
LV 136	GYBR	DKRDGY/DURD		10 YR 5/2					10 R 4/1	10 R 3/6								
LV 137	GY	LTGY/LTBRMT		10 YR 5/1					10 YR 7/1	10 YR 7/2	10 YR 7/3							
LV 138	YLBR	RDHT		10 YR 5/4														
LV 139	LTBR/DKGYBR	YLRD/RDBR		10 YR 7/4	10 YR 4/2				5 YR 4/6	5 YR 4/4								
LV 140	GYBR	LTGY/LTBRMT		10 YR 5/2					10 YR 7/2	10 YR 7/3								
LV 141	LTBR/LTYLBR	RDBRHT		10 YR 7/4	10 YR 6/4				2.5 Y 4/4									
LV 142	DURD/GYRD/LTBR	YLBR/BR/RDBR/BR/DKRDBR		2.5 YR 3/2	10 YR 6/3				10 YR 5/6	5 YR 4/6	10 YR 4/3	10 YR 5/3	2.5 YR 3/4					
LV 143	RDBR	LTGY/LTBR/YLSP		5 YR 4/3					5 YR 6/1	10 YR 8/3	10 YR 7/6							
LV 144	LTBR	BRYL/GYBR/YLRDMT		10 YR 8/4					10 YR 6/8	10 YR 5/2	5 YR 5/8							
LV 145	WH/LTGY/LTBR/DKRDBR			10 YR 8/2	10 YR 7/2	10 YR 7/3	5 YR 5/4											
LV 146	BRYL/LTBR/LTGYSP			10 YR 6/6	10 YR 6/3													
LV 147	DKGY	DKGYBR/YLBR/LTBR		10 YR 4/1					10 YR 4/2	10 YR 5/4	10 YR 7/4							
LV 148	RDYL			7.5 YR 7/6	7.5 YR 7/8													
LV 149	DKGY/DKGYBR			10 YR 4/1	10 YR 4/2													
LV 150	BRYL	RDYL		10 YR 6/6					7.5 YR 6/8									
LV 151	WH/LTGYMT	RDYL	DKGY						7.5 YR 6/6									
LV 152	GYBR	LTOLBR/LTBR		2.5 Y 5/2					2.5 Y 5/4	10 YR 7/4								
LV 153	GYBR	YLBR		10 YR 5/2					10 YR 5/4									
LV 154	WH	LTBR/YL		10 YR 8/1					10 YR 8/4	10 YR 8/5								
LV 155	BR/PKWHSP			10 YR 4/4	7.5 YR 8/2													
LV 156	LTBR/DKGYBRSP			10 YR 7/4	10 YR 8/4	10 YR 4/2												
LV 157	WH/LTGYSP	RDYLSP		2.5 Y 8/2					7.5 YR 7/6									
LV 158	LTYLBR	RDBR		10 YR 6/4					5 YR 5/4									
LV 159	RDYL	YLRD	DKBR	7.5 YR 7/6					7.5 YR 5/6					7.5 YR 3/2				
LV 160	BRYL/YLBR/DKYLBRSP			10 YR 6/6	10 YR 5/6	10 YR 5/8												
LV 161	YLBR/DKYLBR			10 YR 5/6	10 YR 4/6													
LV 162	RDYL/LTGYSP	RDBR/RDHT		7.5 YR 6/6	7.5 YR 7/6				5 YR 5/4	2.5 YR 4/6								

Artifactno	Colororig	Colorweath	Colorcort	Munsellor1	Munsellor2	Munsellor3	Munsellor4	Munsellor5	Munsellwt1	Munsellwt2	Munsellwt3	Munsellwt4	Munsellwt5	Munsellct1	Munsellct2	Munsellct3	Munsellct4	Munsellct5
LV 163	YL/BRYL/LTGYSP	RDYL		10 YR 7/6	10 YR 6/6				7.5 YR 6/6									
LV 164	BRYL/YLBR/LTGYSP			10 YR 6/6	10 YR 5/8													
LV 165	DKGY	DKYLBR		10 YR 3/1					10 YR 4/4									
LV 166	DKBR/BRLTGYSP			7.5 YR 5/6	7.5 YR 4/4													
LV 167	LTBR/BR/RDYL			7.5 YR 6/4	7.5 YR 5/4	7.5 YR 7/6												
LV 168	LTGYSP	RDYL/BR/DKBR							7.5 YR 6/6	7.5 YR 5/6								
LV 169	LTBR	YLBR		10 YR 6/3					10 YR 5/4	10 YR 5/6								
LV 170	RDBR/DKRDBR			5 YR 4/4	5 YR 3/2													
LV 171	YL	YLBRMT		10 YR 7/6					10 YR 5/6									
LV 172	DKGY	BR/YLBR/DKYLBR		5 YR 3/1					10 YR 5/3	5 YR 5/4	10 YR 4/8							
LV 173	LTYLBR/LTGYSP	DKYLBR		10 YR 6/6					10 YR 4/6									
LV 174	DKGY	PKGY/LTRDMT		7.5 YR N4/0					5 YR 6/2	5 YR 7/2	2.5 YR 4/2							
LV 175	BR	LTBRGY/LTGY/RDBRMT		10 YR 5/3					10 YR 6/2	10 YR 7/2	5 YR 4/4							
LV 176	DKYLBR	WH/YLSP		10 YR 4/4	10 YR 4/6				10 YR 8/1	10 YR 7/6								
LV 177		WH/LTBR/YL							10 YR 8/2	10 YR 6/4								
LV 178	DKBR/BR	LTBR/LTYLBR		10 YR 4/3	10 YR 5/3				10 YR 6/3	10 YR 6/4								
LV 179	WH	YLBRSP/LTRD/RDHT		10 YR 8/1					10 YR 5/4	10 R 5/4	2.5 YR 4/6							
LV 180	BR/RDYL/LTGYSP			7.5 YR 5/6	7.5 YR 6/6													
LV 181	BR/PKWHMT/LTGYSP			7.5 YR 5/6	7.5 YR 8/2													
LV 182	LTBRGY	GYBR/YLBR		10 YR 6/2					10 YR 5/2	10 YR 5/4								
LV 183	BR/LTGYSP			7.5 YR 5/6	7.5 YR 4/6													
LV 184	YLBR/DKYLBRMT		LTGY	10 YR 5/4	10 YR 4/4									10 YR 7/2				
LV 185	LTBR	LTYLBR/BRMT		10 YR 7/3					10 YR 6/4	10 YR 5/3								
LV 186	YLBR/RDBR			10 YR 5/4	2.5 YR 4/4													
LV 187	LTYLBR			10 YR 6/4														
LV 188	LTGY	LTBR/WH		10 YR 7/1					10 YR 7/4	10 YR 8/2								
LV 189	LTGY/LTBRSP			10 YR 7/2	10 YR 6/3													
LV 190	BR/DKYLBR		DURD	10 YR 5/6	10 YR 4/6									10 R 3/4				
LV 191	PKGY	DKRDGY		7.5 YR 7/2					10 R 4/6									
LV 192	BR/DKBR/DKBRBN			7.5 YR 5/8	10 YR 3/4	10 YR 4/2												
LV 193	BR			7.5 YR 5/6														
LV 194		RDYL							7.5 YR 6/6	7.5 YR 6/8								
LV 195	BR/LTGY			10 YR 5/3	10 YR 7/2													
LV 196	LTBR	LTBR/LTYLBR		10 YR 8/3					10 YR 7/4	10 YR 6/4								
LV 197	BR	BRYL/GYBR/YLBR/RDYLMT		7.5 YR 5/6					10 YR 6/6	10 YR 5/2	10 YR 5/6	5 YR 6/6						
LV 198	LTBR	RDYL/PKWH		10 YR 6/3					10 YR 6/6	5 YR 8/2								
LV 199			DKRDGY											5 YR 4/2				
LV 200	LTYL	BR		2.5 Y 8/4					7.5 YR 4/6	7.5 YR 5/6								
LV 201	LTBR	BR/WH		7.5 YR 6/4					7.5 YR 5/6									
LV 202	GYBR	YLBR/LTGYSP		10 YR 5/3					10 YR 5/4									
LV 203																		
LV 204	LTGY/LTBR/YLMT			10 YR 7/2	10 YR 7/3	10 YR 7/6												
LV 205	WH/LTGY/LTBRMT			5 Y 8/2	2.5 Y 7/2	10 YR 7/3												
LV 206	YL		YLBR	10 YR 8/6										10 YR 5/6				
LV 207	BRYL/WHSP	RDHT		10 YR 6/6														
LV 208	BR		DKBR	7.5 YR 5/6										7.5 YR 3/4				
LV 209	LTBRGY/LTGY/WH			10 YR 6/2	10 YR 7/2	10 YR 8/2												
LV 210	DKGY/LTGYSP			10 YR 4/1														
LV 211	BR	LTGYSP		7.5 YR 5/4														
LV 212	GY	DKYLBR		10 YR 7/1					10 YR 4/4									
LV 213	LTBLGY	LTBR		2.5 Y N7/0					10 YR 6/3									
LV 214	DKBLGY/LTGYSP	LTGY/LTBR/RUSP		7.5 YR N5/0					10 YR 7/2	10 YR 6/3								
LV 215	GY/DKBRSP			10 YR 6/1	10 YR 3/3													
LV 216	LTRD/RDGY/GY			2.5 YR 4/2	5 YR 5/2	5 YR 5/1												
LV 217	DKGY/LTBRSP			10 YR 4/1	10 YR 6/3													
LV 218	DKGY/BRSP			10 YR 3/1														
LV 219	DKGY			10 YR 3/1														
LV 220	YLBR/WH/LTGYSP			10 YR 5/6														
LV 221	DKDKGY/DKGY	LTBR		10 YR 3/1	10 YR 4/1				10 YR 6/3									
LV 222	YL	RDBRMT	DKYLBR	10 YR 7/6										10 YR 5/4				
LV 223	RDBR			5 YR 4/4														
LV 224	RDGY/LTYLBR/LTBR			5 YR 5/2	10 YR 6/4	10 YR 6/3												
LV 225	RDYL/BRYL/LTGYWHSP			7.5 YR 6/8	10 YR 6/8													
LV 226		LTRDHT							10 R 4/3	10 R 5/3								
LV 227	RDYL/BR/LTYLBR/LTGYSP			7.5 YR 6/6	7.5 YR 5/4	10 YR 6/4												
LV 228	BK			10 YR 2/1														
LV 229	DKGY			10 YR 3/1														
LV 230	BRYL/LTGYSP	YLBR/LTGY/RDGY		10 YR 6/6					10 YR 5/6	10 YR 7/1	10 R 6/1							
LV 231	LTBR	DKYLBR	DKBR	10 YR 6/3					10 YR 4/4					10 YR 3/3				

Artifactno	Colororig	Colorweath	Colorcort	Munsellor1	Munsellor2	Munsellor3	Munsellor4	Munsellor5	Munsellwt1	Munsellwt2	Munsellwt3	Munsellwt4	Munsellwt5	Munsellct1	Munsellct2	Munsellct3	Munsellct4	Munsellct5
LV 232	DKGY			2.5 YR N3/0														
LV 233	YLBR/DKYLBR/BR/RDYLSP		DKBR	10 YR 5/6	10 YR 4/6	7.5 YR 5/6	7.5 YR 7/6							10 YR 3/2				
LV 234	LTGY/LTBRMT/LTBRGY			10 YR 7/2	10 YR 7/3	10 YR 6/2												
LV 235	WH/YLMT/LTGYSP			10 YR 7/6	10 YR 7/2													
LV 236	DKRDBR/YLRD			5 YR 3/3	5 YR 5/6													
LV 237	BR			10 YR 5/3														
LV 238	YLBR/YLRDMT		YL/DKYLBR	10 YR 5/4										10 YR 8/6	10 YR 3/4			
LV 239	YL	DKYLBR		10 YR 7/6					10 YR 4/6									
LV 240	RDBR/LTGYSP	DKRDGY/YLBR/DKRDBR/YLRD/DKBR		5 YR 4/4					5 YR 4/2	10 YR 5/4	5 YR 3/3	5 YR 4/6	7.5 YR 3/4					
LV 241	RDYL	BR/PKGY		7.5 YR 6/8					7.5 YR 4/6	7.5 YR 6/2								
LV 242	PK	RDYL/BR		7.5 YR 7/4					7.5 YR 6/6	7.5 YR 5/6								
LV 243	LTBR	BRYL		10 YR 7/4					10 YR 6/6									
LV 244	BLGY/OLGY/OL/YLBRSP		DKRDBR	2.5 Y N5/0	5 Y 5/2	5 Y 5/4	10 YR 5/4							5 YR 3/4				
LV 245	LTBR	BRYL/YLBR		10 YR 7/3					10 YR 6/6	10 YR 5/4								
LV 246	GY	RDHT/LTORSP/ORRD		2.5 Y N5/0					2.5 YR 4/6									
LV 247	GYBR/BR/RDBR	PKGY		10 YR 5/2	10 YR 5/3	5 YR 5/4			5 YR 6/2									
LV 248	LTBR/WH/DKGY/LTGY	LTYLBR/GY/BRGY/LTBLGYMT		10 YR 7/3	10 YR 8/2	10 YR 5/1	10 YR 7/1		10 YR 6/4	2.5 Y N5/0								
LV 249	BR/RDYL/DKBR			7.5 YR 5/6	7.5 YR 6/6	7.5 YR 4/4												
LV 250	LTBR/DKBRBN		WH	7.5 YR 6/4	7.5 YR 3/2	7.5 YR 3/4												
LV 251	LTBR/LTRDYL/PKWH	PKGY/WHMT		7.5 YR 6/4	7.5 YR 7/6	7.5 YR 8/2			7.5 YR 6/2	7.5 YR N8/0								
LV 252	DKGYBR/LTGYSP/DKYLBR			10 YR 4/2	10 YR 7/2	10 YR 4/6	10 YR 3/2											
LV 253	LTBR	DKYLBRMT		10 YR 7/3					10 YR 4/4									
LV 254	DKGYBR	LTGY/WH/YLST		10 YR 4/2					10 YR 7/1	10 YR 8/1	10 YR 8/6							
LV 255	PK/RDYL/BRMT/LTGYSP		BR	7.5 YR 7/4	7.5 YR 6/6	7.5 YR 5/8												
LV 256	YL		BR	2.5 YR 7/6										2.5 YR 4/6				
LV 257	GY/LTGYMT			10 YR 5/1	10 YR 7/2													
LV 258	DKGYBR	WH/LTLTBR/PK/LTBR		10 YR 3/2					10 YR 8/2	10 YR 8/3	10 YR 6/3							
LV 259	WH/LTLTBR/LTBR/			10 YR 8/2	10 YR 7/3	10 YR 6/3												
LV 260	WH/LTGYMT			10 YR 8/2	2.5 Y 7/2													
LV 261	DKYLBR/LTBRSP			10 YR 4/4	10 YR 6/3													
LV 262	DKBR			10 YR 2/2														
LV 263	GYBR	LTBR/YL/RDBRMT		10 YR 5/2					10 YR 7/4	10 YR 7/6	2.5 YR 4/4							
LV 264	LTBR/BRYLMT			10 YR 7/4	10 YR 6/6													
LV 265	LTBR			10 YR 7/3														
LV 265A																		
LV 266	RDBR	LTRD/YLRD		5 YR 4/3					10 R 4/4	5 R 5/6								
LV 267	BR/YLBR/LTGYSP			10 YR 5/3	10 YR 5/4	10 YR 5/8												
LV 268	GY/LTGY/LTBRGYMT	RDGY/LTRD		10 YR 5/1	10 YR 6/1	10 YR 6/2			10 R 5/1	10 R 5/2								
LV 269	RDBR/LTBRSP		LTBR	5 YR 4/3	10 YR 8/3									10 YR 8/4				
LV 270	DKGYBR	LTGY/LTBR/LTYLBR/WHSP		10 YR 7/2					10 YR 7/2	10 YR 7/4	10 YR 6/4	10 YR 8/2						
LV 271	DKGYBR/DKYLBR			10 YR 3/2	10 YR 3/4													
LV 272	YL/GYSP	BR		10 YR 7/6					10 YR 5/6									
LV 273	YLBR/RDBR		DURD/RD	10 YR 5/4	2.5 YR 4/4									10 R 3/4	10 R 4/6			
LV 274	GYBR	LTYLBR/RDYL/LTBR		10 YR 5/2					10 YR 6/4	5 YR 6/6	10 YR 7/4							
LV 275	DKYLBR/LTBRMT	RDBR/YLRD	DKBR	10 YR 3/4	10 YR 4/4	10 YR 7/4			5 YR 4/4	5 YR 4/6				10 YR 2/2				
LV 276	DKGYBR	GYBR		10 YR 3/2					10 YR 5/2									
LV 277	BR/RDYLMT	DKGY	LTBR	7.5 YR 5/6	7.5 YR 6/6				10 YR 3/1					10 YR 8/3				
LV 278	LTBR/LTYLBR/LTBRGY/LTGYSP			10 YR 7/3	10 YR 7/4	10 YR 6/4	10 YR 6/2											
LV 279	BRYL/LTGYSP			10 YR 6/6	10 YR 5/6	10 YR 7/2												
LV 280	GY			10 YR 5/1														
LV 281	YLBR/LTBR/LTGY/WHMT/LTGYSP			10 YR 5/4	10 YR 7/4	10 YR 7/2	5 Y 8/6											
LV 282	LTBR/BRYL			10 YR 7/3	10 YR 8/3	10 YR 6/6												
LV 283	DKGY	LTBRGY		10 YR 4/1					10 YR 6/2									
LV 284	GY	WH		10 YR 5/1														
LV 285	GY/LTGYSP	LTGY/GY/GYBR		10 YR 5/1	10 YR 7/2				2.5 Y 7/	2.5 Y N6/0	2.5 Y 5/2							
LV 286	GYBR/DKGYBR			2.5 Y 5/2	2.5 Y 4/2													
LV 287	RD			10 R 4/6														
LV 288	DKGYBR	BR		2.5 YR 4/2					7.5 YR 5/6									
LV 289	RD/LTRD			10 R 4/6	10 R 4/3													
LV 290	YLBR/LTBRGY/DKGYBR/WHSP			10 YR 5/4	10 YR 6/2	10 YR 4/2	10 YR 8/2											
LV 291	DURD/DKGYRD/LTRD			10 R 3/3	10 R 3/1	10 R 4/3												
LV 292	YL/LTBRSP/BRYL			10 YR 7/8	10 YR 6/8													
LV 293	DKBR	LTYLBR/YLBR/YL		10 YR 3/3					10 YR 6/4	10 YR 5/4	10 YR 7/6							
LV 294	BR	YLRD	DKBR	7.5 YR 5/4					7.5 YR 5/6					7.5 YR 3/4				
LV 295	DKYLBR	LTBRMT	DKYLBR	10 YR 5/4					10 YR 7/4					10 YR 4/4				
LV 296	DKRDGY/DURD			10 R 3/1	10 R 3/2													
LV 297	BR/LTGYSP	BR/BRYL		7.5 YR 5/4					7.5 YR 4/6	10 YR 6/6								
LV 298	LTBR/LTGYSP	LTBR/LTYLBR/LTGYSP		10 YR 7/3					10 YR 7/4	10 YR 6/4								
LV 299	LTYL/BRYL/RDYL/LTGYSP			2.5 Y 7/4	10 YR 6/6	7.5 YR 6/6												

Artifactno	Colororig	Colorweath	Colorcort	Munsellor1	Munsellor2	Munsellor3	Munsellor4	Munsellor5	Munsellwt1	Munsellwt2	Munsellwt3	Munsellwt4	Munsellwt5	Munsellct1	Munsellct2	Munsellct3	Munsellct4	Munsellct5
LV 300	YLBR/WHSP		DKYLBR	10 YR 5/6														
LV 301	DKYLBR			10 YR 3/4														
LV 302	PKGY/DKYLBR		WH	5 YR 7/1	10 YR 4/4													
LV 303	BR/RDYL/LTGYSP			7.5 YR 5/6	7.5 YR 7/6													
LV 304	BR/RDYL		DKBR	7.5 YR 5/6	7.5 YR 7/6									7.5 YR 3/4				
LV 305	LTGY/DKGYSP/LTRD/RDGY			10 YR 7/2	10 R 4/6	5 YR 5/2												
LV 306	DKGYBR	LTBRGY/YL/LTBR/GY/WH		10 YR 6/2	10 YR 7/6	10 YR 7/4	10 YR 6/1	10 YR 8/2										
LV 307	DKBR/DKYLBR			10 YR 3/3	10 YR 3/4	10 YR 4/4												
LV 308	BR			7.5 YR 5/6														
LV 309	DKYLBR/DKGYMT	PKGY/DKGY/WHMT		10 YR 4/4	10 YR 4/1													
LV 310	WH	LTGY		10 YR 8/1					10 YR 7/1									
LV 311	BRYL/GYBR	LTGY/LTBR		10 YR 6/6	10 YR 5/2				10 YR 7/2	10 YR 6/3								
LV 312	BR	DKBR		7.5 YR 5/8					7.5 YR 4/4									
LV 313	YLBR/YL	YL		10 YR 6/8	10 YR 7/6													
LV 314	LTYL/LTGYYL	LTBR/LTYLBR/BRYLSP		2.5 Y 7/4					10 YR 7/4	10 YR 6/4	10 YR 6/6							
LV 315	DKGYBR/DKGY			10 YR 4/2	10 YR 4/1													
LV 316	DKYLBR	YLBR		10 YR 4/6														
LV 317	LTBR/LTLTBR/DKBRMT			10 YR 7/4														
LV 318	YLBR/LTBRMT	RDHT		10 YR 5/4	10 YR 6/3													
LV 319	BRYL/LTYLBR	YLRDHT		10 YR 6/6	10 YR 6/4				5 YR 5/6									
LV 320	LTGY/PKGY	LTRD/RDSPHT		5 YR 7/1	5 YR 6/2				10 R 6/2	10 R 4/6								
LV 321	DKYLBR/GYSP			10 YR 4/6	10 YR 6/1													
LV 322	GY	LTGY/DKGYMT		10 YR 6/1					10 YR 7/1									
LV 323	YLBR			10 YR 5/6														
LV 324	YLBR/DKYLBRSP/LTYLGYSP			10 YR 4/6	10 YR 5/6													
LV 325	YLBR/LTYLBR			10 YR 5/4	10 YR 6/4													
LV 326																		
LV 327	LTGY	BRYL/BR		10 YR 7/2					10 YR 6/6	7.5 YR 5/6								
LV 328	DKGYBR	LTGY/LTLTBR/LTBRMT		10 YR 4/2					10 YR 7/2	10 YR 7/3	10 YR 6/3							
LV 329	DKGY	YLBR/BRYL/DKYLBR							10 YR 5/6	10 YR 6/6	10 YR 4/4							
LV 330	BR/RDYL			7.5 YR 5/6	7.5 YR 6/6													
LV 331	BR/LTBR/DKYLBRMT/LTGYSP			10 YR 5/3	10 YR 6/3	10 YR 4/6												
LV 332	LTGY	LTBR/LTYLBR		10 YR 7/2					10 YR 7/4	10 YR 6/4								
LV 333	LTBRGY	LTYLBRSP		10 YR 6/2					10 YR 6/4									
LV 334	YL/BRYL			10 YR 7/6	10 YR 6/6													
LV 335	YLRD			5 YR 4/6														
LV 336	LTBR	BRYL/YL		10 YR 7/4					10 YR 6/6	10 YR 7/6								
LV 337	LTBR	DKBR/DKRDHT		10 YR 7/4														
LV 338	WH/LTGYBN	LTBR		10 YR 8/2	10 YR 7/2				10 YR 7/3									
LV 339	BR/RDYL/WHSP/LTGYSP			7.5 YR 5/6	7.5 YR 6/6													
LV 340	LTYLBR	RD/DURDHT		2.5 Y 6/4					10 R 4/6	10 R 3/4								
LV 341		LTGY/RDSP/RDBRSP							10 YR 7/1	10 R 5/6	2.5 YR 5/4							
LV 342	DKGY	DKGYBR		10 YR 4/1					10 YR 4/2									
LV 343	LTGY			10 YR 7/2														
LV 344	RDYL																	
LV 345	RDYL	PKWHMT		7.5 YR 6/6					7.5 YR 8/2									
TN 1	DKGY/BR		RU															
TN 2	DKYLBR			10 YR 4/6														
TN 3	LTGY/GY/YLBR			10 YR 5/4														
TN 4	LTGY/GY/YLBR			10 YR 7/1	10 YR 5/1	10 YR 5/4												
TN 5	DKYLBR/LTGY			10 YR 4/4	10 YR 7/1													
TN 6	GYBR	DKGYBR/DKYLBR		10 YR 5/2					10 YR 4/2	10 YR 3/4								
TN 7	YLBR	RDBRMT		10 YR 5/6					2.5 YR 4/4									
TN 8																		
TN 9	DKGYBR	LTYLBRMT/RDBR		10 YR 4/2														
TN 10	DKGYBR	DKYLRDBR		10 YR 4/2														
TN 11	DKGY	LTGY	LTGY															
TN 12	YLBR			10 YR 5/6	10 YR 5/8													
TN 13	BR	BRYL		10 YR 5/3														
TN 14	RD	BRYL	DKBR/BL															
TN 15	LTGYMT		RD/GYRD	10 YR 7/1														
TN 16																		
TN 17																		
TN 18																		
TN 19	DKOLGY	YLBR		5 Y 3/2					10 YR 5/6									
TN 20	DKGYYLBRMT			10 YR 4/3	10 YR 4/6													
TN 21																		
TN 22	DKGY			5 YR 3/1														
TN 23	LTBRMT			10 YR 4/3														

Artifactno	Colororig	Colorweath	Colorcort	Munsellor1	Munsellor2	Munsellor3	Munsellor4	Munsellor5	Munsellwt1	Munsellwt2	Munsellwt3	Munsellwt4	Munsellwt5	Munsellct1	Munsellct2	Munsellct3	Munsellct4	Munsellct5
TN 24	GYBRMT/DKYLBR			10 YR 5/2	10 YR 4/4													
TN 25																		
TN 26																		
TN 27																		
TN 28	DKYLBR			10 YR 4/6														
TN 29	GYBR/YLBR			10 YR 4/2	10 YR 5/2	10 YR 5/4												
TN 30	GYBR			10 YR 4/2	10 YR 5/2													
TN 31																		
TN 32																		
TN 33																		
TN 34																		
TN 35																		
TN 36																		
TN 37																		
TN 38																		
TN 39	BRYL			10 YR 6/6														
TN 40	LTBRGY	DKBRGY/DKBRMT		10 YR 6/3					10 YR 4/4	10 YR 3/3								
TN 41	LTBR/DKYLBR			10 YR 6/3	10 YR 5/4													
TN 42	LTBR/BRYL			10 YR 7/4	10 YR 6/6													
TN 43	DKYLBR/LTGYMT			10 YR 4/6	10 YR 7/1													
TN 44	GY			2.5 YR 5/0														
TN 45	LTBR	DKYLBR		10 YR 7/3					10 YR 5/6									
TN 46	LTYLBR			10 YR 6/4														
TN 47	DKYLBR			10 YR 4/4														
TN 48	LTGY	YLBR							10 YR 5/6									
TN 49	YLBR			10 YR 4/4														
TN 50	LTYLBR	LTBRGYMT		10 YR 6/4					10 YR 6/2									
TN 51	YLBR/BRYL/LTGYMT			10 YR 6/4	10 YR 6/8	10 YR 6/1												
TN 52	LTGY	WH/RDMT																
TN 53	LTGY/DKGYBR			10 YR 5/2	10 YR 4/3													
TN 54	LTGY			10 YR 7/2					10 YR 6/6									
TN 55	LTBRGY	RDGY/RDHT		10 YR 6/2														
TN 56	DKGYBR/DKYLBRMT	LTRD		10 YR 3/2	10 YR 3/4													
TN 57	DKYLBR			10 YR 4/6														
TN 58	LTBRGY	YLBRMT		10 YR 6/4					10 YR 5/4									
TN 59	LRBRGY	BR	BK	10 YR 6/2					10 YR 4/3									
TN 60	RDBR/BRMT/LTGYMT	BLGY		10 R 5/1	10 YR 5/3	10 YR 7/2												
TN 61																		
TN 62	GYBR	YLBR		10 YR 5/2					10 YR 5/8									
TN 63		YLBR/ORBR							10 YR 5/8									
TN 64																		
TN 65																		
TN 66	BRYL																	
TN 67	LTBRYL/DKGYMT			10 YR 6/6	10 YR 3/1													
TN 68	RD																	
TN 69	BRYL/GYMT			10 YR 6/6	10 YR 5/1													
TN 70	BK																	
TN 71																		
TN 72																		
TN 73	LTYLBR	DKYLBR/OLGR	LTGY/WH	10 YR 6/4					10 YR 4/6									
TN 74	GY/LTRDMT	YLBR		10 YR 6/1	10 R 5/3				10 YR 5/6									
TN 75	LTYLBR			10 YR 6/4														
TN 76	BR	YLBR		10 YR 5/3					10 YR 5/6									
TN 77	GY	YLBR		10 YR 5/1					10 YR 5/8									
TN 78	DKYLBR/LTGYMT			10 YR 4/4														
TN 79																		
TN 80	GY/LTGY/BRGYMT	YLBR/DKYLBR		10 YR 5/1					10 YR 6/4	10 YR 5/6								
TN 81																		
TN 82			BK															
TN 83	BK/WHGYBRMT																	
TN 84	LTBRBY																	
TN 85	LTBR	YLBR/DKYLBR		10 YR 6/3					10 YR 5/8	10 YR 4/6								
TN 86																		
TN 87	BROR			7.5 YR 5/6														
TN 88	GY	LTYLBRMT		10 YR 5/1					10 YR 6/4									
TN 89	DKGY/LTGYMT			10 YR 4/1														
TN 90	DKBR/BK		LTBR															
TN 91	DKYLBR/LTBR			10 YR 3/4	10 YR 6/3													
TN 92	BRYL/BRYLRDBRMT			10 YR 6/6	10 YR 5/6	5 YR 4/3												

Artifactno	Colororig	Colorweath	Colorcort	Munsellor1	Munsellor2	Munsellor3	Munsellor4	Munsellor5	Munsellwt1	Munsellwt2	Munsellwt3	Munsellwt4	Munsellwt5	Munsellct1	Munsellct2	Munsellct3	Munsellct4	Munsellct5
TN 93	GY/GYBR			10 YR 5/1	10 YR 5/2													
TN 94	LTGY/BR/RDBR/DKGY																	
TN 95	GY	WH/LTGY/ORMT																
TN 96	LTBR			10 YR 6/3														
TN 97	TN																	
TN 98	GY/LTGYBR/DKGYBR/BR			10 YR 5/1	10 YR 6/2	10 YR 4/2	10 YR 4/3											
TN 98A	LTYLBR	BK																
TN 99	BR			7.5 YR 5/8														
TN 100	LTBRGY/LTRDBR			2.5 YR 6/2	5 YR 6/3													
TN 101	DKGY	BR/DKYLBR		10 YR 4/1					10 YR 5/3	10 YR 4/4								
TN 102		BRYL							10 YR 5/6									
TN 103	LTBR	LTRD/LTGYMTHT		10 YR 7/3					2.5 YR 6/2									
TN 104	GYBR																	
TN 105		LTBLGY	BR															
TN 106	WH																	
TN 107																		
TN 108		LTGY/ORMT							2.5 YR 7/2									
TN 109	YLBR/LTBUWHMT			10 YR 5/6														
TN 110		BRGY/RD/PKGYMT																
TN 111	LTYLBR/BRYL			2.5 Y 6/4	10 YR 6/8													
TN 112	GYBR			10 YR 5/2														
TN 113	LTBR			10 YR 7/3														
TN 114																		
TN 115																		
TN 116	BR/WHSP			10 YR 5/3														
TN 117	BRYL	DKBRYLMT		10 YR 6/6					10 YR 5/4									
TN 118	LTGYMT/YLBRMT/PK			10 YR 7/2	10 YR 5/4													
TN 119	BLGY																	
TN 120	YL/YLBR			10 YR 7/8	10 YR 6/6													
TN 121	DKGY			10 YR 3/1														
TN 122	BRYL/RDYL/PKGY			10 YR 6/6	7.5 YR 6/6	7.5 YR 7/2												
TN 123	LTGY	WH		7.5 YR 7/0					7.5 YR 8/0									
TN 124	PKWH/RDYL			7.5 YR 8/2	7.5 YR 8/6													
TN 125	BR		DKBR	7.5 YR 5/4										7.5 YR 3/2				
TN 126	DKGY/BK/LTGY/WHMT		BK															
TN 127	YLBR/GYBR/GY/LTBRMT			10 YR 5/8	10 YR 5/2	10 YR 5/1	10 YR 8/3											
TN 128	YLRD			5 YR 4/6	5 YR 5/6													
TN 129	GYBR/LTGYBR/DKGYBRBN			10 YR 5/2														
TN 130	BRYL/LTGY/RDYL/RDMT			10 YR 6/6	10 YR 7/1	7.5 YR 6/8	10 R 4/8											
TN 131	DKRDBR	YLRD/LTYL		5 YR 3/4					5 YR 5/6									
TN 132	WH/DKYLBR			10 YR 8/2														
TN 133	DKYLBR	LTBRGY		10 YR 4/4					10 YR 6/2									
TN 134	DKGYBR/GYBR			10 YR 4/2	10 YR 5/2													
TN 135	DKGY/WHSP		LTGY	7.5 YR 3/0					10 YR 7/2									
TN 136	BRYL/DKYLBR/LTBR			10 YR 6/6	10 YR 4/6	10 YR 7/4												
TN 137		LTBR/WH							10 YR 8/3	10 YR 8/1								
TN 138		WH/YLMT							10 YR 8/2	10 YR 7/6								
TN 139																		
TN 140	DKBR			7.5 YR 3/4														
TN 141	YLBR	GYBR		10 YR 5/6					10 YR 5/2									
TN 142	DKGYBR/LTBRMT			10 YR 4/2														
TN 143	DKBR/OLGY/BR			7.5 YR 4/6	5 Y 4/2	7.5 YR 4/4												
TN 144	BR		DKGY	7.5 YR 5/4														
TN 145	WHBRBKMT	RUT																
TN 146	DKBR	WH		7.5 YR 4/2					2.5 Y 8/3									
TN 147																		
TN 148	BR/GYMT			7.5 YR 5/4	7.5 YR 5/0													
TN 149	WH	RDYL		2.5 Y 8/2					7.5 YR 7/6									
TN 150	DKBR/LTBRSP		WH/RUT	10 YR 3/3	10 YR 7/3													
TN 151	BR/BRWHMT/WH/LTGY			10 YR 4/4	10 YR 8/2	10 YR 7/2												
TN 152	LTBR	YLBR		10 YR 7/4					10 YR 5/4	10 YR 5/6								
TN 153																		
TN 154	RDBR/BR/DKBRMT/DKGYSP			5 YR 4/3	7.5 YR 4/4	7.5 YR 5/6	7.5 YR N4/0											
TN 155	DKGY/DKBRMT			10 YR 3/1	10 YR 4/3													
TN 156	LTBRGY	YLRDMT		2.5 Y 6/2					5 YR 4/6									
TN 157	DKBR/LTBRMT			7.5 YR 5/6														
TN 158	YLBR/LTBRMT			10 YR 5/4	10 YR 5/6	10 YR 8/4												
TN 159	YLBR/DKYLBR/LTBRMT			10 YR 5/4	10 YR 4/4	10 YR 8/4												
TN 160	DKYLBR/BR			10 YR 4/4	10 YR 4/3													

Artifactno	Colororig	Colorweath	Colorcort	Munsellor1	Munsellor2	Munsellor3	Munsellor4	Munsellor5	Munsellwt1	Munsellwt2	Munsellwt3	Munsellwt4	Munsellwt5	Munsellct1	Munsellct2	Munsellct3	Munsellct4	Munsellct5
TN 161	YL	DKYL		10 YR 8/6	10 YR 8/8				10 YR 7/8									
TN 162	LTBRGY/LTORMT			10 YR 6/2														
TN 163	DKGY/BK/BKSP			2.5 Y N3/0	2.5 Y N2/0													
TN 164																		
TN 165	BR	LTGYORMT/YLBR		7.5 YR 4/4					10 YR 5/6									
TN 166	YL/RDSP			10 YR 7/6	10 R 3/4													
TN 167	DKYLBR/BR/YLRDHT			10 YR 4/4	10 YR 5/3	5 YR 4/6												
TN 168	LTYLBR/DKYLBR/DKGYBK			10 YR 6/4	10 YR 4/6	7.5 YR N3/0	7.5 YR N2/0											
TN 169																		
TN 170																		
TN 171	LTYL	LTBR		2.5 Y 7/4					10 YR 7/4									
TN 172	YLBR			10 YR 5/4	10 YR 5/6													
TN 173	LTBR/LTGY/LTRDST			10 YR 7/3	10 YR 7/2													
TN 174	BR/BRYLMT			10 YR 4/3	10 YR 6/6													
TN 175		LTGY/LTYLBR/BR/RDBRMT							10 YR 7/2	10 YR 6/4	10 YR 5/3	5 YR 5/4						
TN 176																		
TN 177	BR/YLBR	YLRDMTHT		10 YR 5/3	10 YR 5/4				10 YR 7/6	10 R 3/4								
TN 178	LTRD/RD	RDGY		10 R 6/2	10 R 5/3				10 R 6/1									
TN 179	BRYL/RDYL			10 YR 6/8	7.5 YR 6/6													
TN 180	LTYL/LTYLBR			2.5 Y 7/4	2.5 Y 6/4													
TN 181	LTGY	LTBR/RDBRMT		2.5 Y 7/2					10 YR 7/4	5 YR 4/4								
TN 182	GY	WH/LTGY/ORMT		7.5 YR 6/0														
TN 183	BR/LTBR/DKBRMT			10 YR 5/3														
TN 184	DKGY/LTGYMT			10 YR 4/1	10 YR 7/1													
TN 185	LTYL/LTYLBR			2.5 Y 7/4	10 YR 6/4													
TN 186	LTGY/GYBR	LTBLGY		10 YR 7/2	10 YR 5/2													
TN 187		RUBR																
TN 188	YL/DKYL/LTYLMT/DKYLBR			10 YR 6/6	10 YR 5/8													
TN 189	DKGYBR/BR			10 YR 4/2	10 YR 5/3													
TN 190	YLBR	LTBR/DKBRMT		10 YR 5/4														
TN 191	DKGY/BRYL			10 YR 3/1	10 YR 6/6													
TN 192	BRYL			10 YR 6/6														
TN 193	GY	BR/YLBR		10 YR 5/1					10 YR 5/3	10 YR 5/4								
TN 194	TY/BKSP			10 YR 5/1														
TN 195	LTGY	DKGY		10 YR 7/2					10 YR 3/1									
TN 196	LTYLBR	GYBR/LTBRMT		10 YR 6/4					10 YR 5/2	10 YR 5/3								
TN 197	DKGYBR/DKBR/DKYLBR	LTRD/YLRDSP		10 YR 3/2	10 YR 3/3	10 YR 4/4			10 R 6/3	5 YR 5/6								
TN 198	LTBRGY	DKGY		10 YR 6/2					10 YR 4/1									
TN 199	LTYLBR	LTGY/LTBRMT		10 YR 6/4					10 YR 7/2	10 YR 7/4								
TN 200	DKGY/DKGYRD/RDWHMT	LTBLGY		7.5 YR 4/0	10 R 4/1	10 R 3/2												
TN 201	DKYLBR/LTYLBRMT			10 YR 3/4														
TN 202	GY	BR/LTYLBR		10 YR 6/1					10 YR 5/3	10 YR 6/6								
TN 203	DKGYBR/DKGY/BKMT			10 YR 3/2	10 YR 3/1	10 YR 2/1												
TN 204	GY/DKGY/LTBRGY/OLBRMT			2.5 Y 5/0	2.5 Y 4/0	2.5 Y 6/2	2.5 Y 4/4											
TN 205	BRYL/YL			10 YR 6/6	10 YR 7/6													
TN 206	LTBR	LTYLBR/DKRDBRMT		10 YR 7/3					10 YR 6/4	5 YR 3/2								
TN 207	BRYL			10 YR 6/6														
TN 208	BR/LTGY			10 YR 5/3	10 YR 7/2													
TN 209	LTBRGY	GY/DKYLBR		10 YR 6/2					10 YR 5/1	10 YR 4/4								
TN 210	DKGYBR/BR			10 YR 3/2	10 YR 5/3													
TN 211	BR			7.5 YR 5/6														
TN 212	PKGY/WH	BR		7.5 YR 7/2					7.5 YR 5/6									
TN 213	DKBR	GY/LTGYMT		7.5 YR 4/2					10 YR 5/1	5 Y 7/2								
TN 215	LTBR/LTBRGY/BRYL/DKYLBRMT			10 YR 7/4	10 YR 6/2	10 YR 6/6	10 YR 4/6											
TN 216	YL/YLBR	RD/DKOLGYMTHT		10 YR 7/6	10 YR 5/6				10 R 4/6	5 Y 3/2								
TN 217	YL/YLBR/WH			10 YR 7/6	10 YR 5/6													
TN 218	RDYL/BR			7.5 YR 6/6	7.5 YR 5/4													
TN 219	BR	YLBR/GY		7.5 YR 5/4					10 YR 5/6	10 YR 5/1								
TN 220																		
TN 221		WH/RU																
TN 222	DKRDBR/DKRD			5 YR 3/2	5 YR 3/6													
TN 223	DKYLBR		WH	10 YR 4/4										10 YR 8/1				
TN 224	YLMT			10 YR 7/6														
TN 225	DKYLBR/DKGY/LTGY			10 YR 4/4	10 YR 4/1	10 YR 7/1												
TN 226	LTRDBR	RD		5 YR 6/4					10 R 5/6									
TN 227	GYBR/YLBRGYMT			10 YR 5/2														
TN 228	DKGYBR	LTBLGY		10 YR 4/2														
TN 229	LTYLBR	YLRD/DKRDGY		10 YR 6/4					5 YR 4/6									
TN 230	YL	YLBR/LTRDHT		2.5 Y 7/6					10 YR 5/8	10 R 4/6								

Artifactno	Colororig	Colorweath	Colorcort	Munsellor1	Munsellor2	Munsellor3	Munsellor4	Munsellor5	Munsellwt1	Munsellwt2	Munsellwt3	Munsellwt4	Munsellwt5	Munsellct1	Munsellct2	Munsellct3	Munsellct4	Munsellct5
TN 231	DKGYBR/LTGYBRMT			2.5 YR 4/2														
TN 232																		
TN 233	YL/DKGYBR/LTBRGY/LTRD/RDMT			10 YR 7/6	10 YR 4/2	10 YR 6/2	2.5 YR 4/2	10 R 5/6										
TN 234	BRYL	LTBR/LTGYMT/YLBRMT		10 YR 6/6					10 YR 6/3	10 YR 5/6								
TN 235																		
TN 236	GY			10 YR 6/1														
TN 237	BR			7.5 YR 5/6														
TN 238	DKOLGY/BKSP			5 Y 3/2	5 Y 2.5/1													
TN 239	LTBR	BRYL	DKYLBR	10 YR 8/4					10 YR 6/6									
TN 240	LTGY			10 YR 6/1														
TN 241	YLBR	YL/DKGYBRMT		10 YR 5/4					10 YR 7/6	10 YR 4/2								
TN 242	LTYLBR/YL/BRMT			10 YR 6/4	10 YR 7/6	10 YR 5/3												
TN 243	YL	YLBR		10 YR 8/6					10 YR 5/6									
TN 244																		
TN 245																		
TN 246	BRYL	DKYLBR		10 YR 6/6					10 YR 4/6									
TN 247	LTYL	LTLTYL/DKYLMT/RDHT		2.5 YR 7/4					10 R 4/6									
TN 248	LTBR/LTORBN	DKYLBR		10 YR 7/3					10 YR 4/4									
TN 249																		
TN 250		RD							10 R 4/6									
TN 251	YL	LTYL/DKYLMT		10 YR 7/6														
TN 252	YLRD	LTYLBR		5 YR 4/6					10 YR 6/3									
TN 253	DKYLBR/LTBRSP			10 YR 4/4	10 YR 8/3													
TN 254	YLRD/LTYLRD/LTBRBN			5 YR 4/6	10 YR 7/4													
TN 255	DKRD/YLSP			2.5 YR 3/4														
TN 256	DKBR/LTBR			10 YR 4/3														
TN 257	BRYL/DKBRYL/LTBRYL	LTBRGY/DKBRGYMT		10 YR 6/6					10 YR 6/2									
TN 258	DKYLBR/RD/LTBR			10 YR 4/4	10 YR 5/3													
TN 259	BR/LTGYSP			7.5 YR 5/6	7.5 YR 5/8													
TN 260	DKYLBR/BR/LTBRSP	RDHT		10 YR 4/4	10 YR 4/6	7.5 YR 5/6												
TN 261	GYBR	WH/LTGY		10 YR 5/2					10 YR 8/2	10 YR 7/1								
TN 262	DKYLBR/YLBR/LTBR			10 YR 4/4	10 YR 5/4	10 YR 6/3												
TN 263																		
TN 264	LTYLBR/DKBRSP			10 YR 6/4														
TN 265	BR/DKBR	DKBR		7.5 YR 5/4	7.5 YR 5/6				7.5 YR 4/4									
TN 266	LTYLBR/DKGYMT			10 YR 6/4														
TN 267	RD		YL	10 R 4/6										10 YR 7/6				
TN 268																		
TN 269	DKGYBR	LTBRGY/LTGY		10 YR 4/2					10 YR 6/2	10 YR 7/2								
TN 270	BRYL/LTBR/DKBRMT	YL/RUSP		10 YR 6/6	10 YR 6/3				10 YR 7/6									
TN 271	YLBR/LTBRMT			10 YR 5/4	10 YR 7/4													
TN 272	RDGY/RDBR		WH	5 YR 5/2	2.5 YR 5/6													
TN 273	LTBR			10 YR 6/3	10 YR 7/4													
TN 274	GYBR/LTRDMT			10 YR 5/2	2.5 YR 4/2													
TN 275	YL/DKYLBR			10 YR 7/6	10 YR 4/6													
TN 276	DKGYBR//LTGYBRSP			10 YR 4/2														
TN 277	LTGY	LTBR/LTYLGYSP/DKBR							10 YR 6/3	10 YR 5/3								
TN 278	LTBR/YL/GYLTRDMT			10 YR 8/4	10 YR 8/6													
TN 279	DKGYBR	BK	GYBR	10 YR 3/2										10 YR 5/2				
TN 280	LTYLBR	BR		10 YR 6/4					7.5 YR 4/6									
TN 281	DKRD/YL/DKGYSP		BKRD						10 R 3/6	10 YR 7/6								
TN 282	YL	DKYLBR/WH		10 YR 7/6														
TN 283	RD	BR/DKRDGY		10 R 4/6					10 YR 5/3	5 YR 4/2								
TN 284	LTGY/GY			5 Y 6/1	5 Y 5/1													
TN 285	LTBR	DKGY/ORMT		10 YR 7/3					10 YR 4/1									
TN 286																		
TN 287																		
TN 288																		
TN 289	LTRDYL	RDYL/DKRDYL/LTRDYLMT		10 YR 7/6					7.5 YR 6/6									
TN 290	BR/RDYL			7.5 YR 5/8	7.5 YR 6/6													
TN 291	BR/YLRD/LTBRSP			7.5 YR 4/6	5 YR 5/6													
TN 292	RDGY/DKRDSP			10 YR 5/1														
TN 293	YL/BRYL/DKBRSP			10 YR 7/6	10 YR 6/6	10 YR 3/3												
TN 294																		
TN 295	LTBR	LTYLGY/GY		10 YR 6/3					10 YR 6/2	10 YR 6/1								
TN 296	LTBRGY/LTYLBR	DKYLBR		10 YR 6/2	10 YR 6/4				10 YR 4/4									
TN 297	DKRD			10 R 3/6														
TN 298		BR	YLRD						10 YR 5/4					5 YR 5/6				
TN 299	GYBR/LTGYMT/LTRD			2.5 YR 5/2	10 R 4/2													

Artifactno	Colororig	Colorweath	Colorcort	Munsellor1	Munsellor2	Munsellor3	Munsellor4	Munsellor5	Munsellwt1	Munsellwt2	Munsellwt3	Munsellwt4	Munsellwt5	Munsellct1	Munsellct2	Munsellct3	Munsellct4	Munsellct5
TN 300	LTGY	DKGY/LTGY		2.5 YR 7/2					10 YR 3/0	2.5 Y 7/2								
TN 301	DKRD	LTRD/RDGYMT		10 R 3/6					10 R 5/1									
TN 302	YL	YLRD		10 YR 7/6					5 YR 4/6	5 YR 5/6								
TN 303	ORRD			2.5 YR 4/6														
TN NLD6																		
TN 304		WH/DKGY/LTORMT							10 YR 8/1									
TN 305	LTGY	YLRD		10 YR 7/1					5 YR 5/8									
TN 306	DKYLBR/LTYLBRMT			10 YR 4/4														
TN 307	BR/LTYLSP			7.5 YR 5/6														
TN 308	GY	YL/DKBRSP							10 YR 7/6									
TN 309		BR/RDYLSP							7.5 YR 5/6	5 YR 6/6								
TN 310		RDYL/YL/LTGYSP							7.5 YR 7/6	10 YR 8/6								
TN 311	BR/LTGYSP			10 YR 5/3														
TN 312	LTBR/DKBR/LTLTBRSP			10 YR 7/6														
TN 313																		
TN 314	DKYLBR			10 YR 6/4														
TN 315	LTYLBR/LTBR/RUSP			10 YR 6/4	10 YR 6/3													
TN 316	LTBRGY	LTYLBR/YLRD		10 YR 6/2					10 YR 5/6	5 YR 5/6								
TN 317	LTBR	YLBR		10 YR 8/3					10 YR 5/6									
TN 318	GYBR	LTBLGY		10 YR 5/2														
TN 319																		
TN 320	GYBR			10 YR 5/2														
TN 320A																		
TN 321																		
TN 322	LTYLBR/LTBRGYMT			10 YR 6/4	10 YR 6/3													
TN 323	LTGY	LTBR/WH		10 YR 7/1					10 YR 8/3	10 YR 8/2								
TN 324	YLBR/DKYLBR			10 YR 5/4	10 YR 4/6													
TN 325	YLBR	LTBRMT	LTGY	10 YR 5/6					10 YR 8/3					7.5 YR 7/0				
TN 326	BR			7.5 YR 4/6														
TN 327	PKGY/RDGY/LTRD/WH			7.5 YR 7/2	10 R 5/1	10 R 4/4	10 YR 8/2											
TN 328	GY	YL/LTBRMT/WHSP/LTRDST		10 YR 5/1					10 YR 7/6	10 YR 8/4	10 YR 8/2	2.5 YR 6/6						
TN 329	YL/YLBR	YLRDST		10 YR 7/6	10 YR 5/6													
TN 330	BRYL/DKYLBRMT			10 YR 6/6	10 YR 3/4													
TN 331	DKGYBR/DKGY			10 YR 4/2	10 YR 4/1													
TN 332	DKYLBR			10 YR 3/4	10 YR 3/6													
TN 333	RDBR/LTBRMT			5 YR 5/4	10 YR 7/3													
TN 334	BR/LTYLBR	LTBRMT/LTBLGY		10 YR 5/3	10 YR 6/4													
TN 335		BR/DKBRBN							7.5 YR 5/4	7.5 YR 5/6	7.5 YR 4/6							
TN 336	LTRD/LTGYSP			2.5 YR 4/2	10 YR 7/2													
TN 337	RDGY/DKRDGY	LTBRSP		5 YR 5/2	5 YR 4/2				10 YR 7/4									
TN 338	LTGY	LTBRBN	RDBR	10 YR 7/2					10 YR 7/4					5 YR 4/4				
TN 339	GY/DKGY																	
TN 340	RDBR/YLBRBN/WHSP			5 YR 5/3	10 YR 5/6	10 YR 5/1												
TN 341	BR/DKBRSP/LTBRSP			7.5 YR 5/4														
TN 342	LTBRGY/LTGYSP	RDBR		10 YR 6/2	10 YR 7/2				5 YR 5/3									
TN 343	GYBR/BR	LTBRGY/RDBR		10 YR 5/2	10 YR 5/3				10 YR 6/2	5 YR 4/3								
TN 344	DKRDGY/RDBR			5 YR 4/2	5 YR 4/3													
TN 345		RDBR/RDYL/LTRDBR/GYMT							5 YR 4/4	5 YR 6/6	5 YR 6/4	5 YR 6/1						
TN 346		LTBRGY/LTYLBR/RDYLMT							10 YR 6/2	10 YR 6/4	7.5 YR 6/6							
TN 347	YL/LTBR			10 YR 7/6	10 YR 7/4													
TN 348		LTLTBR/LTBR/BRYL							10 YR 7/4	10 YR 6/3	10 YR 6/6							
TN 348A																		

APPENDIX C

ARTIFACT DATABASE CODES

ARTIFACT DATABASE CODES

(P prefix used with any code means "possible")

Function

AN	Anvil
AP	Arrow Point
AX	Ax
AW	Awl
AZ	Adz
BF	Untyped Biface
BKN	Backed Knife
BL	Blade
BLCO	Blade Core
BO	Bobbin
BPC	Bipolar Core
BS	Burin Spall
BSC	Backed Scraper
BST	Bola Stone
BTF	Bifacial Thinning Flake
CD	Chipping Debris
CF	Channel Flake
CO	Core
CR	Crescent-Shaped Tool
CPF	Chipped Pebble Fragment
DF	Decortication Flake
DR	Drill
FL	Flake
FG	Chert Fragment
GF	Geofact (non-artifact)
GO	Gouge
GS	Ground Stone
GT	Gorget
GV	Graver
HE	Hafting Element
HS	Hammerstone
KN	Knife
MBC	Microblade Core
NS	Nutting Stone
PBCO	Pebble Core
PB	Prismatic Blade
PBT	Pebble Tool
PD	Pendant (conically drilled)
PF	Preform
PL	Plummet
PP	Projectile Point
PRF	Perforator
PS	Pitted Stone
PT	Pottery
SC	Scraper
SNSC	Snub-nosed Scraper
SP	Spokeshave
SPC	Split Cobble
UF	Utilized Flake (flake with at least one worked edge or obvious chipping from use)
UK	Unknown
USC	Unifacial Scraper
UT	Unifacial Tool (undetermined function)

ARTIFACT DATABASE CODES (continued)

Diagnostic

UNTYPED	Artifact whose diagnostic type has not been identified
NONDIAGNOSTIC	Artifact that does not have diagnostic features

Material

AN	Antler	MM	Mammoth Molar
BN	Bone	NV	Novaculite
CC	Chalcedony	OC	Oolitic Chert
CCH	Chalcedonic Chert	PW	Petrified Wood
CH	Chert	QC	Quartzitic Chert and Cherty Quartzite
CJ	Claystone/Jasper	QT	Quartz
DT	Diorite	QZ	Quartzite
FP	Fossil Palm	SFH	Siliceous Fossil Hash
GS	Gar Scale	SO	Siliceous Oolite
HM	Hematite	UI	Unidentified
J/Q	Jasper/Quartzite		
JS	Jasper		

Cortex

OR	Original	PB	Pebble

Patina

A	Absent	M	Moderate
B	Beach Polish	S	Slight
C	Chalky	T	Stained
G	Glazed	Z	Stony Bryozoan Encrustation
H	Heavy		

ARTIFACT DATABASE CODES (continued)

Lithic Source

AKN	Arkansas Novaculite (Hot Springs region)
ARB	Arbuckle Mountains
CAT	Catahoula
CF	Cotter Formation (northeast Oklahoma, Northwest Arkansas)
CH	Chuska
CIT	Citronelle Gravels (east Louisiana)
CRG	Colorado River Gravels
EDW	Edwards Plateau
EDW(B)	Edwards (Belton Lake)
EDWG	Edwards Gravels
EDW(GT)	Edwards (Georgetown locality)
EDW(NB)	Edwards (New Braunfels)
EDW(S)	Big Spring Edwards (Segovia)
ETX	East Texas (Tertiary formation)
ETXG	East Texas Gravels
FLC	Florence Chert, Oklahoma
FQ	Fisher Quartzite
GRC	Guadalupe River Cobble (Seguin specimen Acme-11)
GR(U)	Gravel Source (Unidentified)
GSM	Great Smoky Mountains (Eastern Tennessee)
HS	Hot Springs, Arkansas
I-10-3	Specimen collected by Banks (Edwards?)
JF	Jackfork Formation (Ouachita Mountains)
JOC(L)	"Lowrance" Chert from Joins-Oil Creek Formation, Arbuckle Mountains
JVS	Johns Valley Shale, Ouachita Mountains
JVS(BF)	Big Fork Chert, Johns Valley Shale, Ouachita Mountains
JVS(N)	Johns Valley Shale (Nova Chert)
KKC	KeokukChert, western Ozark Mountains
KRF	Knife River Flint
LAG	Louisiana Gravels
LB	Lower Boone Formation (northeastern Oklahoma and northwestern Arkansas)
LRG	Lampasas River Gravel
MF	Marble Falls
MIN	Minnelusa
MQTX	Acme clay pit, McQueeny, Texas (Edwards Gravel)
NA	Not Applicable
OM	Ouachita Mountains
OMN	Ouachita Mountains Novaculite
OQ	Ogallala Quartzite
PT	Pinetop (Ouachita Mountains)
QCSG	Queen City Sand Gravels
SD	Spanish Diggings
SGQ	Seymour Gravel Quartzites (eastern edge of the Llano Estacado)
SS	Stanley Shale Formation (Ouachita Mountains)
STJ	St. Joe Formation (Ozark Mountains)

ARTIFACT DATABASE CODES (continued)

Lithic Source (continued)

TAL	Tallahatta
TEC	Tecovas
TECG	Tecovas Gravel
UG	Uvalde Gravels (Cretaceous, north-central Texas)
UG(O)	Uvalde Gravels (Ogallala)
UG(P)	Uvalde Gravels (Proctor)
UK	Unknown
WFC	Wreford Chert (Flint Hills, Kansas)
WSF	Wesley Formation, Stanley Group (Ouachita Mountains)
WWC	Weeping Water Creek (southeastern Nebraska

Color

BK	Black
BL	Blue
BN	Streaked or Banded
BR	Brown
DK	Dark
DU	DullGR Green
GY	Gray
HT	Color resulting from Heat Treating
LT	Light
MT	Mottled
OL	Olive
OR	Orange
PK	Pink
PP	Purple
RD	Red
RU	Rust
SP	Splotches or Spots
ST	Stain
TN	Tan
WH	White
YL	Yellow

Complete

AM	Artifact Missing
BB	Base Broken
BM	Barbs Missing
BR	Artifact Broken (irregular break or no apparent distal or proximal end)
CO	Complete
DE	Distal End present
IF	Impact Fracture
LB	Longitudinal Break
MD	Midsection
NB	New Break
PE	Proximal End present
SB	Stem Broken
TB	Tip Broken
UF	Unfinished Artifact

ARTIFACT DATABASE CODES (continued)

Reworked

B	Artifact Rebuilt with plastic	R	Resharpened (extent not specified)
H	Heavily Resharpened	T	Retooled from an earlier artifact

Heat-Treated

D	Fire Damaged (i.e. spalls and pot-lid fractures)	T	Heat Treated
		TD	Both Heat Treated and Fire Damaged
P	Possibly Heat Treated		

Basal Grinding

A	Absent	U	Uncertain (due to heavy wear over entire artifact or because base is missing)
H	Heavy		
P	Present		
S	Slight	UB	Unfinished Base

Accuracy

5 = Position accurate within 30 meters
4 = Position accurate within 100 meters
3 = Position accurate within 150 meters
2 = Position accurate within 2 kilometers (Error is always that the artifact is plotted farther east than its actual location.)
1 = Accuracy uncertain
0 = No location recorded

ARTIFACT DATABASE CODES (continued)

Reference Artifacts for Ultraviolet Responses

Reference No.	Artifact No.	Lithic Source	Shortwave Response	Longwave Response
2	TN 2	EDW	Medium Orange	Dark Reddish-Orange
3	TN 3	EDW	Yellowish-Gray with Rusk Mottling	Medium-Dark Orange with Rusk Mottling
77	TN 77	EDW	Dull Orangish-Brown	Non-Fluorescent
115	TM 115	EDW	Light Orange with Dark Orange Mottling	Medium Orange with Dark Orange Mottling
134	TN 134	EDW	Orangish-Green	Dull Brownish-Orange
204	TN 204	PEDW/PGSM	Light Bluish-Green with Rust Mottling	Medium Brownish-Orange with Rust Mottling
214	TN 214	EDW	Greenish-Orange	Orange
299	TN 299	EDW	Greenish-Orange*	Orange
324	TN 324	EDWG	Brownish-Orange	Dark Reddish-Brown
MB-21	BN 21	SS/JF	Velvety-Black	Velvety-Black

* Reference artifact 299 is a little more green than reference artifact 214

EDW	Edwards Plateau, Texas
PEDW/PGSM	Possible Edwards Plateau/Possible Great Smokey Mountains, eastern Tennessee
EDWG	Edwards Gravels, Texas
SS/JF	Stanely Shale Formation/jackfork Formation, Ouachita Mountains, Arkansas

APPENDIX D

DIAGNOSTIC TYPES

Table 14. Alphabetical Listing of Diagnostic Types in the Study Collection

Diagnostic Type	Number
Abasolo	1
Adena	2
Afton	1
Albany Biface	1
Angostura (Texas)	2
Archaic Stemmed	3
Bell	4
Big Sandy	9
Castroville	3
Clear Fork Uniface	1
Clifton	2
Clovis	21
Dalton	27
Darl	2
Dawson	12
Delhi	5
Early Lanceolate	2
Early Side-notched	9
Early Stemmed	6
Early Stemmed Lanceolate	7
Edgewood	4
Elam	3
Ellis	26
Ensor	9
Epps	11
Evans	4
Figueroa	1
Folsom	2
Friley	1
Gary	27
Godley	10
Harahey Knife	3
Hardin	3
Harvey-Mineola Biface	1
Hell Gap	3
Hoxie	1
Johnson/Webb	2

Table 14. Alphabetical Listing of Diagnostic Types in the Study Collection (continued)

Diagnostic Type	Number
Keithville	13
Kent	15
Kent/Darl/Yarbrough-like	2
Lange	8
Lange-like	10
Macon	1
Marcos	3
Marshall	8
Midland	1
Morrill	1
Motley	5
Palmer	1
Palmillas	18
Pedernales	1
Pelican	13
Perdiz	1
Plainview	13
Ponchartrain	11
Poverty Point-type	2
Refugio	1
Rice Lobed	2
San Jacinto (pottery)	1
San Patrice	53
Scallorn	2
Scottsbluff	36
Snapped-base Stemmed	2
Tortugas	1
Travis	2
Uvalde	2
Wells	1
Williams	2
Woden	6
Yarbrough	17
Nondiagnostic	199
Untyped	195
Total	880

Table 15. Total Number of Artifacts in Study Collection for Each Diagnostic Type

Diagnostic Type	Definite	Possible	Total
San Patrice	48	5	53
Scottsbluff	26	10	36
Dalton	24	3	27
Gary	23	4	27
Ellis	24	2	26
Clovis	18	3	21
Palmillas	14	4	18
Yarbrough	15	2	17
Kent	12	3	15
Keithville	12	1	13
Pelican	13	0	13
Plainview	13	0	13
Dawson	12	0	12
Epps	10	1	11
Ponchartrain	6	5	11
Godley	6	4	10
Lange-like	10	0	10
Big Sandy	8	1	9
Early Side-notched	6	3	9
Ensor	9	0	9
Lange	7	1	8
Marshall	5	3	8
Early Stemmed Lanceolate	4	3	7
Early Stemmed	6	0	6
Woden	6	0	6
Delhi	5	0	5
Motley	4	1	5
Bell	4	0	4
Edgewood	4	0	4
Evans	4	0	4
Archaic Stemmed	3	0	3
Castroville	2	1	3
Elam	3	0	3
Harahey Knife	3	0	3

Table 15. Total Number of Artifacts in Study Collection for Each Diagnostic Type (continued)

Diagnostic Type	Definite	Possible	Total
Hardin	3	0	3
Hell Gap	3	0	3
Marcos	2	1	3
Adena	0	2	2
Angostura (TX)	2	0	2
Clifton	2	0	2
Darl	2	0	2
Early Lanceolate	2	0	2
Folsom	1	1	2
Johnson/Webb	0	2	2
Kent/Darl/Yarbrough-like	2	0	2
Poverty Point-type	1	1	2
Rice Lobed	0	2	2
Scallorn	1	1	2
Snapped-base Stemmed	2	0	2
Travis	2	0	2
Uvalde	2	0	2
Williams	2	0	2
Abasolo	1	0	1
Afton	1	0	1
Albany Biface	1	0	1
Clear Fork Uniface	1	0	1
Figueroa	1	0	1
Friley	1	0	1
Harvey-Mineola Biface	1	0	1
Hoxie	1	0	1
Macon	0	1	1
Midland	1	0	1
Morrill	1	0	1
Palmer	1	0	1
Pedernales	1	0	1
Perdiz	1	0	1
Refugio	0	1	1
San Jacinto (pottery)	1	0	1
Tortugas	0	1	1
Wells	1	0	1

Table 16. Diagnostic Types of Artifacts in Study Collection, Grouped by Period

Diagnostic Type	Period	Age
Clovis	Paleoindian	11,500-11,000 B.P.
Folsom	Paleoindian	11,050-10,150 B.P.
Dalton	Paleoindian	10,500-9900 B.P.
Plainview	Paleoindian	10,150-10,010 B.P.
Hell Gap	Paleoindian	10,000-9500 B.P.
San Patrice	Paleoindian	10,000-8000 B.P.
Early Lanceolate	Paleoindian	
Midland	Paleoindian	
Palmer	Paleoindian	
Pelican	Paleoindian	
Albany Biface	Paleoindian	
Rice Lobed	Paleoindian	9500-8500 B.P.
Scottsbluff	Late Paleoindian	9120-8650 B.P.
Early Side-notched	Late Paleoindian	
Early Stemmed	Late Paleoindian	
Early Stemmed Lanceolate	Late Paleoindian	
Keithville	Late Paleoindian	
Hardin	Late Paleoindian/Early Archaic	10,000-7500 B.P.
Big Sandy	Late Paleoindian/Early Archaic	10,000-6000 B.P.
Angostura (Texas)	Late Paleoindian/Early Archaic	8800-7500 B.P.
Bell	Early Archaic	8000-5500 B.P.
Hoxie	Early Archaic	
Uvalde	Early Archaic	
Wells	Early Archaic	
Woden	Early Archaic	
Clear Fork Uniface	Early Archaic	
Abasolo	Early/Middle Archaic	
Johnson/Webb	Early/Middle Archaic	
Morrill	Early/Middle Archaic	

Table 16. Diagnostic Types of Artifacts in Study Collection, Grouped by Period (continued)

Diagnostic Type	Period	Age
Dawson	Middle Archaic	
Evans	Middle Archaic	4600-3000 B.P.
Pedernales	Middle Archaic	4000-3200 B.P.
Travis	Middle Archaic	4650-4050 B.P.
Marshall	Middle Archaic	ca 3000 B.P.
Tortugas	Late Middle Archaic	
Afton	Middle/Late Archaic	5000-2000 B.P.
Epps	Middle/Late Archaic	3500-2500 B.P.
Macon	Middle/Late Archaic	3500-2000 B.P.
Motley	Middle/Late Archaic	3500-2500 B.P.
Delhi	Middle/Late Archaic	3300-2200 B.P.
Palmillas	Middle/Late Archaic	
Snapped-base Stemmed	Middle/Late Archaic	
Williams	Middle/Late Archaic	
Gary	Middle/Transitional Archaic	4500-1200 B.P.
Ellis	Middle/Transitional Archaic	4000-1300 B.P.
Kent	Middle/Transitional Archaic	4000-1500 B.P.
Ponchartrain	Middle/Transitional Archaic	4000-1500 B.P.
Refugio	Middle/Transitional Archaic	4000-1000 B.P.
Poverty Point-Type	Middle/Transitional Archaic	3700-2000 B.P.
Lange	Late Archaic	2850-2600 B.P.
Castroville	Late Archaic	2800-2400 B.P.
Elam	Late Archaic	
Lange-like	Late Archaic?	
Kent/Darl/Yarbrough-like	Late Late Archaic	
Godley	Late Archaic/Late Prehistoric	
Harvey-Mineola Biface	Late Archaic/Late Prehistoric	
Adena	Late/Transitional Archaic	2750-2250 B.P.
Marcos	Late/Transitional Archaic	2600-1800 B.P.
Yarbrough	Late/Transitional Archaic	2500-1000 B.P.

Table 16. Diagnostic Types of Artifacts in Study Collection, Grouped by Period (continued)

Diagnostic Type	Period	Age
Ensor	Transitional Archaic	2200-1400 B.P.
Figueroa	Transitional Archaic	2200-1400 B.P.
Darl	Transitional Archaic	ca 1800 B.P.
Edgewood	Transitional Archaic	
Archaic Stemmed	Archaic	
San Jacinto	Late Prehistoric	1560-560 B.P.
Friley	Late Prehistoric	1300-900 B.P.
Scallorn	Late Prehistoric	1300-800 B.P.
Perdiz	Late Prehistoric	800-500 B.P.
Clifton	Late Prehistoric	
Harahey Knife	Late Prehistoric/Historic	700-250 B.P.

APPENDIX E

LITHIC MATERIALS IDENTIFICATION

LITHIC MATERIALS IDENTIFICATION
MCFADDIN BEACH
by

Larry D. Banks

On 10-14 July and August 28 through 1 September 1995, a portion of the collections assembled from McFaddin Beach were examined for the purpose of identifying the raw materials represented in the chipped stone tools from the collections as a whole. The afternoon of 10 July was spent in briefings by Ms. Melanie Stright concerning the work that had been performed earlier on ultraviolet fluorescence, and the format of collection preparation for the materials identification. The collections were assembled at the home of Paul Tanner, and laid out in trays with numerical sequence for each collection available at the time. The collections examined during this time concerned only those belonging to Paul Tanner (334 specimens), Joe Coen (37 specimens), and Jesse Fremont (28 specimens). Of this total number, however, only 296 specimens fell within the category of chipped stone tools. During the examinations performed in August, some unresolved questions concerning those materials examined in June were re-analyzed and the collections of H. J. (Joe) Louvier and Murray Brown were examined. The collection of Juan Garcia was briefly scanned the evening of August 31 primarily for detecting material types and or artifact classification types not previously seen in collections from McFaddin Beach.

The numbers of specimens considered in the identification of "lithic materials" for the purposes of this report are: Paul Tanner 334, Jesse Fremont 28, Joe Coen 37, Joe Louvier 308, and Murray Brown 112. Of these total numbers (819), however, a number of the cataloged numbers include objects of bone, ground stone, alligator gar scales, etc. that are not from "lithic sources" as identified for purposes of this report. Also a number of artifacts with cataloged numbers were not available for this examination. The total numbers included in these categories to be subtracted from the total is 55; therefore, the total number from which the statistics reported herein are derived is 764.

Examinations were made mostly under natural light, with the aid of a sixteen power hand lens, a binocular microscope and to a large extent by comparison to the provenienced materials from the Banks collection. Materials identified under artificial light are so identified. The raw materials of the comparative collection taken to Port Arthur in June were selected on the basis of anticipated types and localities most reasonably expected to be represented at McFaddin Beach. However, before the examinations had proceeded very far, it was obvious that the comparative specimens did

not begin to cover the geographic range reflected in the collections. In August a more refined set of comparative specimens was used in addition to an additional collection of lithic materials made during the intervening period of time from source areas in Texas from which earlier comparative materials were not available. As presented herein, the notes made during the examination followed a format of artifact number, type of artifact, material type, and applicable notes concerning the presence of cortex, physical evidence of heat treatment, and other notable attributes. If such phenomena were unobserved, they simply are not mentioned in the text. Artifact classifications follow descriptions provided by Turner and Hester (1985), and Perino (1985). Initial classifications for materials examined in June were determined by Nathan Banks in comparison to the cited sources, and following discussion by Melanie Stright, Dawn Youngblood, Paul Tanner and Larry Banks the classifications as assigned herein were utilized. Stright, Tanner and Banks were responsible for the classifications made in August.

Many of the artifacts have been subjected to intentional rejuvenation and effects of mechanical weathering to such an extent that original classifications of both typology and lithic material are difficult and in some cases impossible to identify with high degrees of reliability. In those instances where classifications represent best guesses, they are accompanied by a question mark. Color descriptions are indexed to the Munsell Book of Color as determined in natural light.

Before describing the subject materials, some comments concerning the environmental setting pertaining to lithic resources in general are appropriate. The geographic and geologic setting of the McFaddin Beach locality west of the mouth of the Sabine River on the upper Texas Gulf Coast could hardly be positioned in a more disadvantaged area of the United States regarding availability to natural raw materials required for stone tool production. In fact the seemingly nefarious name for the only volume specifically concerning raw material resources for stone tools in the area is derived in part from the well-known absence of lithic materials on the upper Texas Gulf Coast (Banks, 1990). In proto and early historic times, the raw materials for the relatively few arrowpoints made of chert were, for all practical purposes, obtained as gastroliths in alligator stomachs by Atakapan peoples living in the general area. Most arrowpoints were made of alligator gar scales. There simply are no rocks of any appreciable size or type commonly found as gravels or otherwise on the upper Texas Gulf Coast.

Due north of the recent coastal sands and clays, however, the organically rich sediments of Tertiary-aged deposits contain considerable quantities of varying qualities of silicified (petrified) wood, most notable of which are the petrified palm woods often occurring in fairly large sizes and very high quality of knappable stone. The nearest bedrock sources (slightly less than 160 kilometers (100 miles) of potential lithic materials in proximity to McFaddin Beach are successively from south to north the east-west linear outcrops of the Catahoula and Manning Formations (Banks 1990:48) . These sources are of limited potential simply because of the relatively poor quality of rock they contain in

comparison to types used for lithic materials elsewhere, but they are the nearest bedrock sources of potential contributions of knappable gravels to the lower Sabine and Neches River systems. Also, Reid Ferring (personal communication) has informed the writer that he has observed high quality, but small sizes of chalcedonic rocks in limited exposures of the Catahoula.

Even farther north, approaching the environs of the headwaters of the Sabine River, Cypress Creek, and the Sulphur River, pebbles and less frequently cobble-sized gravels of quartzite, chert, and novaculite derived from the Ouachita Mountains via reworked Cetaceous gravels can be found in Eocene Formations. Also, substantial outcrops of orthoquartzite reflecting considerable aboriginal usage have been found in the headwaters of the Sabine River. Cobbles derived from that source and possibly other similar sporadic outcrops nearer the coast associated with salt diapers are presently unknown to exist in Sabine River gravels, but they should be expected to some degree. Relatively substantial sources of gravels, possibly related to the Citronella or even Amite gravels farther to the east occur to the immediate north and northeast in south-westernmost Louisiana (Banks 1990:48), and it should be especially noted that Chawner 1936:35) made note of the presence of siliceous oolite in the Citronella, although the location of those gravels were in east central Louisiana. Small Dalton points made of yellow siliceous oolite have been reported from sites in the Gilmer area of Upshur County Texas, and the nearest known substantive exposures of siliceous oolite are of Ordovician aged rocks in the flanks of the Ozark Mountains, but even here, the type materials occur in colors of varying shades of gray. Oolitic rocks are reported (Texas Geologic Atlas, Brownwood Sheet) in the Marble Falls Formation near Lampasas Texas, but no further descriptions are available as to whether the oolitic portions are siliceous or not. Attempts to identify siliceous oolite in Central Texas formations by this writer have so far been unsuccessful.

The nearest sources of extensive and abundant quantities of various types of chert are outcrops of the Edwards Group whose nearest proximity of the eastern escarpment of the Edwards Plateau to McFaddin Beach is roughly 274 kilometers (170 miles) to the northwest; the Ouachita Mountains some 400 kilometers (250 miles) to the north; and the Arbuckle Mountains due west of the Ouachita Mountains. In both cases, there are no geographic obstacles to be overcome between McFaddin Beach and those source areas of lithic materials. Also it may be of special interest to point out that caches of large cobble to small boulder sized cortexed nodules of Edwards chert have been found in the Gulf Coastal Plain about midway between the nearest Edwards outcrops and McFaddin Beach. Also a single large (42 pound) boulder of Edwards chert was found by Bill Young south of Corsicana, in close proximity to a cache of Clovis flake blades. The boulder had been prepared as a core for flake blade removal. Though not found in close proximity to McFaddin Beach, these materials are still within the Gulf Coastal Plain as defined by Fenneman (1938:100-101) and certainly within range of the Gulf Coast. The peculiar and distinctive siliceous biomicrite from Pisgah Ridge (Banks 1990:52-53) is also an intermediate potential source of rock for chipped stone tools in southeast Texas.

Finally, and perhaps of greatest relevance to the Texas Gulf Coast, in addition to the potential of bedrock sources of raw material reflected in the easternmost edges of the Edwards Plateau, cobbles derived from the various formations in the Edwards Group and hydrologically transported to the southeast by five major river drainages (Neuces, San Antonio, Guadalupe, Colorado, and Brazos) into the Gulf of Mexico, provided an almost inexhaustible source of raw materials for folk visiting or living in the McFaddin Beach vicinity. West of the Guadalupe River in the vicinity of Seguin, Texas, higher elevations of interfluves contain literally hundreds of acres of large cobble to small boulder size gravels of chert, quartzite, and to a lesser extent, petrified wood. These gravels are referred to in the Texas Geologic Atlas as "High Gravel Deposits [that are] topographically high areas not associated with present drainage"systems. Just how these deposits are related, if at all, to the Uvalde Gravels defined by Byrd (1971) and discussed by Banks (1990:56-57) has yet to be determined, but for all practical purposes those to the south east of the Austin-San Antonio vicinity are essentially the same. Barnes (1970) describes the constituents of the Highland Gravels as "cobbles of well-rounded chert up to 5 inches in size, pebbles of variegated quartzite, limestone, chert, and quartz; occupies topographically high areas not associated with present drainage". And from the same type of topographic setting on interfluves west of the Guadalupe River in the vicinity of Seguin and several miles west of the Colorado River, they appear to be of less areal extent than the Guadalupe gravels.

Without question the origin of the gravels in both cases are from the Edwards Plateau, and with minor constituents derived from the Central Mineral Region or the Llano Uplift of Texas. They are found today as in late Pleistocene and early Holocene times literally strewn across the landscape below and adjacent to the Balcones Escarpment demarcation between the Edwards Plateau and the Gulf Coastal Plain.

Also of particular interest, the Brazos River provides another potential source of exotic materials to the Gulf Coast derived from the Llano (pronounced yano and not to be confused with the distinctively different Llano Uplift.) Estacado with specific applicability to rocks (cherts and vividly colored quartzites) from the Tecovas Formation. Pebbles of Tecovas jasper have been found by the writer on gravel bars of the Brazos River below Lake Whitney Dam, and though it would require considerable selectivity for relatively small pebbles and cobbles to be found near the Gulf Coast, it would not be an impossibility by any means.

Tanner Collection

1. Unidentified, rectangular-stemmed dart point. Made of dark gray and brown petrified wood typical of much of the Tertiary aged materials from east Texas. A cortex remnant of "rusty" color is indicative of the rock having been derived from a gravel source.

2. Yarbrough? Made of dark yellowish-brown (10 YR 4/6) Edwards chert.

3. Kent or possibly Ellis type dart point. Made of semi-translucent Edwards chert, light gray to gray to yellowish-brown (10 YR 5/4). Slight patination typical of Edwards.

4. Broken blade of well-made, unidentified biface. Made of light gray (10 YR 7/1) to gray (10 YR 5/1) and yellowish-brown (10 YR 5/4) Edwards chert.

5. Broken, unidentified biface. Made from a large flake blade of high-quality dark yellowish-brown (10 YR 4/4) Edwards chert with light gray (10 YR 7/1) internal splotching.

6. Possibly "Yarbrough" dart point, severely resharpened and classification questionable. The coloration changes from the "fresher" flaking reflected in the resharpened portions of original material as grayish-brown (10 YR 5/2) altered by weathering to a more lustrous dark grayish-brown (10 YR 4/2) and dark yellowish-brown (10 YR 3/4) surface. Edwards?

7. Strongly shouldered /slightly barbed dart point. Kent/Yarbrough? type. Made of yellowish-brown (10 YR 5/6) Edwards chert mottled with reddish brown (2.5 YR 4/4) staining from weathering. Tiny remnant of pebble cortex remaining on one corner of the stem.

8. Fossil Palm core.

9. Scottsbluff. Mottled chert. Basic coloration of dark grayish-brown (10 YR 4/2) mottled to lighter yellowish-brown shades and tinges of reddish-brown. An open vug surrounded by a weathered bleb or rind of light gray occurs as a spall on one edge of the blade. There is a slight luster associated with a reddish tinge suggestive of having been heat-treated, but heat-treatment is not conclusive. The rock is typical of weathered Big Fork chert cobbles found in the Johns Valley Shale of the Ouachita Mountains, and it is probably the source of this rock.

10. Rectangular stemmed and severely resharpened blade of a Wells-like dart point. Basic material is dark grayish-brown (10 YR 4/2) weathered to dark yellowish-reddish-brown. The distal tip of the point grades into a slightly translucent very light gray as typical of Tecovas cherts. The rest of the material is opaque. Best guess of rock type is Tecovas.

11. Incomplete preform or cutting tool (knife) . Dark gray petrified wood with light gray weathered cortex.

12. Utilized flake blade. Yellowish-brown (10 YR 5/6 to 5/8) unidentified chert. It is opaque with very slight translucence on thin edges. Exhibits well-healed internal fractures. Typical of some of the Proctor-Uvalde gravels, but no definite cortex is present. The slight luster on both the dorsal and ventral faces is probably attributable to beach polish rather than the rock type.

13. Decortication flake of unidentified chert, possibly Edwards, but the brown (10 YR 5/3) type material is weathered to a brownish-yellow, and possibly slightly altered grain size to very fine grained quartzite. Hand specimens collected from Edwards outcrops often exhibit a gradation from chert to quartzite or vice-versa, and to reflect that phenomena, the term "quartzose" is proposed here for distinguishing these particular materials. Exhibits cortex on dorsal surface and two edges. Edwards Gravel source.

14. Chipped (tested?) fragment of a pebble. Red Tecovas jasper weathered brownish-yellow with very dark brown to black cortex. This "insignificant" specimen (as artifacts go) is interesting from a source point of view in that some attempt of explanation as to its presence at McFaddin Beach cries for an answer. Does it represent Brazos River gravels found farther west on the Gulf Coast, and where was the mouth of the Brazos (the nearest potential source?) of Tecovas before it was brought to McFaddin Beach, and why would some insignificant item like this have been brought to this area anyway? It was not a highly desirable size for tool manufacture, etc.

15. Scraper. Made of light gray (10 YR 7/1) slightly mottled with red and grayish-red cortex remnant. Made of Edwards gravel.

16. Geofact not examined.

17. Geofact not examined.

18. Geofact not examined.

19. Large secondary (no cortex present) flake removed from a preform. Made of dark olive gray (5 Y 3/2) chert had been preformed and heat-treated before the secondary flaking commenced. Heat spans (pot lids) and reddened surface of the flaked preform is indicative of secondary heat-treatment. Time lapse between the two events may have been a considerable time as reflected in differences in weathering. The weathered dorsal surface is yellowish-brown (10 YR 5/6) color in contrast to the darker ventral surface. One edge exhibits some flake removal as a result of being used for cutting or scraping activity. It is typical of mottled cherts from the Johns Valley Shale of the Ouachita Mountains.

20. Secondary flake of dark grayish-yellow brown (10 YR 4/3 to 4/6) and mottled. It is similar to No. 12 above, but has a darker coloration. Slightly translucent on thin edges. Unidentified chert, possibly Edwards.

21. groundstone

22. Resharpened Dalton or Plainview. Made of very dark gray (5 YR 3/1) Edwards chert, sometimes referred to colloquially as New Braunfels chert. Homogeneous root beer color and slightly translucent on thin edges.

23. Wells or possible Gary-like dart point. Made of light brown (10 YR 4/3) slightly mottled Edwards chert. Poorly or totally unthinned base similar to the Woden dart point defined by Turner and Hester (1993).

24. Dalton. Made of mottled grayish-brown (10 YR 5/2) to dark yellowish-brown (10 YR 4/4) Edwards chert.

24. bone

26. Chipped decortication flake of petrified wood.

27. missing (chipping debris)

28. Broken blade of shouldered, but untyped dart point. Dark yellowish-brown (10 YR 4/6) subtly banded high quality chert. Edwards-like but not a certainty.

29. Broken untyped blade of biface. Made of grayish-brown (10 YR 4/2 to 5/2) to yellowish-brown (10 YR 5/4) fossiliferous chert. Fusilinids present, but the chert is definitely not Florence. During second examination comparison to specimens of “Lowrance” chert from the Joins-Oil Creek Formation of the Arbuckle Mountains was a good match microscopically.

30. Broken untyped blade of biface. Grayish-brown (10 YR 4/2 and 5/2). The slightly more convex side is slightly reddened and has increased luster suggesting heat-treatment. Possible Edwards, and similar to No. 20 above.

31- 38. Missing.

39. Flake, possibly decortication, but both surfaces exhibit polish and possible early stages of cortex development. Has a worn burin-like graver on one edge. Brownish-yellow (10 YR 6/6) very fine grained quartzite. Basically identical to the “quartzite portion” of chert-quartzite material in no. 13 above. This one exhibits more wear on the surfaces, however. Edwards?

40. Neches River (?) dart point. Light brownish-gray (10 YR 6/3) mottled to darker (10 YR 4/4) and dark brown (3/3) Edwards chert. Dendrites common on one face and very infrequent on other suggests differences from exposure to ground surface.

41. Heavily resharpened dart point (Yarbrough?). Made of pale brown (10 YR 6/3) to dark yellowish-brown (10 YR 5/4) Edwards chert.

42. Broken untyped biface. Stem missing. Very pale brown (10 YR 7/4) to brownish-yellow (6/6) Edwards chert.

43. Broken untyped biface. Dark yellowish-brown (10 YR 4/6) Edwards chert. Red corner of stem suggests heat treatment. Mottled with light gray (10 YR 7/1) non-fossiliferous blebs.

44. Heavily resharpened Dalton/Meserve-like point. Homogenous gray (2.5 YR 5/0). Edwards.

45. Elam-like or Kent. Heavily resharpened. Made of very pale brown (10 YR 7/3) weathered to darker (10 YR 5/6) yellowish-brown Edwards chert. Slightly reddened, darker shade, and increased luster on one surface suggests heat treatment.

46. Broken scraper. Light yellowish-brown (10 YR 6/4) with darker splotching on dorsal crest. Pebble cortex. Fossiliferous, opaque chert. Fossils not identifiable with hand lens. Suggested Arbuckle Mountain source. Check further.

47. San Patrice dart point resharpened to a nub. Made of dark yellowish-brown (10 YR 4/4) well-indurated claystone /jasper. One reddened ear is suggestive of heat-treatment. Though no cortex is present, a gravel source is suggested simply because the type material it is made of typically results from claystone/jasper.

48. Epps dart point, heavily resharpened. Heavily weathered yellowish-brown (10 YR 5/6) surface. Original rock appears to have been light gray Edwards.

49. Scraper made from large flake blade, with bulb of percussion removed from ventral side of blade. Made of high quality yellowish-brown (10 YR 4/4) semi-translucent Edwards chert. Subtle banding similar to Proctor Uvalde gravels. Edwards Gravel.

50. Broken blade of untyped biface. Attempted reshaping of stem. Light yellowish-brown (10 YR 6/4) Edwards chert mottled to lighter light brownish-gray (10 YR 6/2).

51. Broken blade of wide, heavily resharpened, untyped biface. Mottled Edwards chert. Yellowish-brown (10 YR 6/4), brownish-yellow (6/8), and light gray (6/1).

52. Yarbrough (?). Original chert type is unobservable because of thick encrustation, white with red splotches. Tiny light gray spot on one surface is probably indicative of original material.

53. Broken blade of shouldered untyped biface. Made of light gray (10 YR 5/2) to dark grayish brown (10 YR 4/3) Edwards chert.

54. Untyped, slightly shouldered dart point with slightly flared stem exhibiting basal grinding. Made of light gray (10 YR 7/2) chert weathered to (10 YR 6/6). Similar material type to No. 29 above, but probably Edwards chert.

55. Yarbrough (?). Light brownish-gray (10 YR 6/2) chert altered to reddish-gray and red by heating. One surface severely heat fractured and spalled with pot lids. Possibly Edwards.

56. Dalton or unfluted Clovis dart point made of slightly mottled dark grayish-brown (10 YR 3/2) to dark yellow-brown (3/4). One side of the blade is slightly reddened, but is more typical of weathering of Nova-chert from the Johns Valley Shale of Ouachita Mountains rather than heat-treatment. Ouachita Mountain source suggested.

57. Edgewood (?). Severely resharpened blade. Made of dark yellowish-brown (10 YR 4/6) Edwards chert.

58. Edgewood (?). Made of light brownish-gray (10 YR 6/4) weathered to splotched yellowish-brown (10 YR 5/4). Edwards chert.

59. Decortication flake. Made of light brownish-gray (10 YR 6/2) splotched and weathered to brown (10 YR 4/3) Edwards chert. Cortex on dorsal surface is black.

60. Large unifacial flake scraper. Made of mottled reddish-brown (10 R 5/1) to brown (10 YR 5/3) Edwards chert with light gray (10 YR 7/2) splotches containing black dendrites. Cortex on dorsal surface. Flakes removed from the dorsal side reflect light bluish-gray patina.

61. groundstone

62. Broken blade of drill. Made of grayish-brown (10 YR 5/2) chert mottled to yellowish-brown (10 YR 5/8). Edwards chert.

63. Heavily resharpened Epps (?) dart point. So heavily patinated and worn that original material type cannot be accurately identified. The present surface is yellowish-brown (10 YR 5/8) weathered orangish-brown. Remnant of cortex with chatter marks reflects gravel source of raw material. Edwards gravel source.

64. Piece of petrified wood with minimal, if any, aboriginal flaking.

65. hammerstone

66. San Patrice. Made of very fine quality brownish-yellow petrified wood.

67. Edgewood or highly modified Ensor. Light brownish-yellow (10 YR 6/6) to very dark gray (10 YR 3/1) mottling. Edwards chert.

68. hammerstone

69. Epps-like with resharpened blade. Slightly mottled brownish-yellow (10 YR 6/6) and gray (10 YR 5/1) splotched Edwards chert.

70. Severely resharpened untyped Gary-like contracting and stubbed-off stem. Made of black petrified wood.

71. Piece of petrified wood. One end reflects minor flaking.

72. geofact

73. Heavily resharpened Epps-like biface with slightly beveled blade. Made of light yellowish-brown (10 YR 6/4) basic material weathered to darker yellowish-brown (4/6) with olive gray (greenish) tinge. Light gray to white cortex on one surface. Quartz filled vugs. Identical match with Specimen No. I-10-10 collected west of the Colorado River on Interstate 10 locality. Edwards gravel.

74. Pelican. Colors vary from one side to other as reflection of effects of weathering. Made of gray (10 YR 6/1) subtly mottled to weak red (10 R 5/3) on one ear. Other side (slightly convex) weathered to yellowish-brown (10 YR 5/6) Edwards chert.

75. Severely resharpened Harahey knife. Made of light yellowish-brown (10 YR 6/4) Edwards chert.

76. Yarbrough (?) with beveled or “twisted” blade. Made of brown (10 YR 5/3) Edwards chert weathered to yellowish-brown (10 YR 5/6) surface.

77. Yarbrough/Epps (?). Interior chert as reflected on one surface of the blade and in a “fresher” burinated spall along one edge of the blade is gray (10 YR 5/1), and other side is weathered yellowish-brown (10 YR 5/8). Edwards chert.

78. Large unifacial flake scraper. Beautiful very high-quality subtly-banded dark yellowish-brown (10 YR 4/4) Edwards chert. Light gray splotching on the dorsal surface.

79. Gouge or scraper. High quality petrified wood.

80. Heavily resharpened (depleted) Harahey knife. The basic rock is gray (10 YR 5/1) with light gray and brownish-gray mottling and grading into a yellowish-brown (10 YR 6/4) and darker yellowish-brown (5/6). Probable Edwards.

81. San Patrice dart point. Missing from collection.

82. Thick unifacial steeply edged scraper. Pointed on one end and the other unthinned stem end has slightly indented edges as if it was intended for hafting. Petrified wood with black cortex staining on both surfaces and on unthinned Woden-like stem.

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83. Very well made Edgewood with broken distal tip. Chert is black with small white to grayish-brown dots. Marble Falls chert from vicinity of Lampasas, but obtainable as river gravel also.

84. Yarbrough made of pale brownish-gray petrified wood. Pinkish red tinging may be indicative of heat-treatment.

85. Possible Lange or Williams. Distal tip is rounded. Pale brown (10 YR 6/3) with surfaces weathered to yellowish-brown (10 YR 5/8) to dark yellowish-brown (4/6). Thin subtle cortex remnant on one side that still exhibits chatter marks from stream battering. Edwards Gravel.

86. Aborted “Clovis-like” preform with hinge fracture across the blade. Edwards chert.

87. Small Epps (?). Trinity- like point. Heavily resharpened with broken distal tip, and a fire spall on one surface of stem. Strong brown (7.5 YR 5/6) but appears to be more of a brownish-orange. Chalcedony with translucent edges. Possible Tecovas.

88. Dalton. Gray (10 YR 5/1) mottled to lighter shades of light yellowish-brown (10 YR 6/4). Slightly translucent on thin edges. Edwards.

89. Broken base of Folsom. Dark gray (10 YR 4/1) with light gray splotches. High quality Edwards chert.

90. Kent or Woden (?). Dark brown to black petrified wood with light brown cortex on the end of the unthinned stem.

91. Untyped dart point. Heavily resharpened blade with Elam-like stem, but it exhibits basal grinding. Possible Elam made from fragment of an earlier late-paleo type. Differences in coloration occur from one side to other and is translucent on thin edges. Very high quality Edwards chert. One side is dark yellowish-brown (10 YR 3/4), and other (ventral?) side exhibits a pale brown (10 YR 6/3) cortex-like surface. Probably from Edwards Gravel.

92. Yarbrough (?). Brownish-yellow (10 YR 6/6) to brownish-yellow (5/6) and reddish-brown (5 YR 4/3) splotching. High quality petrified wood. Reddened edge of the distal tip is indicative of heat treatment.

93. Untyped Broken biface. Shouldered and slightly contracting and rounded off stem (Gary?). Gray (10 YR 5/1) to grayish-brown (10 YR 5/2) Edwards chert.

94. Heavily resharpened Wells-like. Relatively poor quality chert. Highly mottled light gray to brown, reddish-brown, and dark gray fossiliferous chert, but fossils not identifiable with hand lens. Reddened portion along one edge of stem may reflect heat-treatment. A single, round, cross-section of a fusilinid is observable under microscope. Probable “Lowrance chert” from Arbuckles.

95. Broken blade of large biface. Burinated along one edge and other edge used as unifacial scraper. Heavily patinated, white to light gray with orange dots. Raw material appears to have been gray and possibly Edwards, but not certain.

96. Broken distal tip of biface. Pale brown (10 YR 6/3) Edwards chert. Pebble cortex on one surface. Edwards gravel.

97. Artifact unavailable for inspection.

98. Plainview. Gray (10 YR 5/1) to light grayish-brown (10 YR 6/2) on one surface. Other side is dark grayish-brown (10 YR 4/2) to brown (10 YR 4/3). Edwards.

98A. Possible Dalton preform. Light yellowish-brown petrified wood with black organic staining on all surfaces. East Texas source area.

99. Gary, rounded off distal tip. Strong brown (7.5 YR 5/8). Reddened edge of stem indicative of heat-treatment. Unidentified very fine-grained quartzite similar to No. 13 above.

100. Broken biface. Stem missing. Light brownish-gray (2.5 YR 6/2) to light reddish-brown (5 YR 6/3) opaque Edwards chert.

101. Dalton. Small splotches of interior material is dark gray (10 YR 4/1) weathered to brown (10 YR 5/3) and dark yellowish-brown (10 YR 4/4). Has encrustation of bryozoans on both surfaces of blade. Possibly Edwards.

102. San Patrice. Brownish-yellow (Munsell Strong brown 10 YR 5/6). Heavily patinated, worn, and polished from beach wear. Unidentified type material.

103. Unifacial flake. Pale red (2.5 YR 6/2) subtly mottled with light gray along one edge. The unaltered material is very pale brown (10 YR 7/3). Reddish color is probably result of heat-treatment. Edwards.

104. (FT 11) Large blade of Delhi-like dart point, but stem is missing. High quality grayish-brown Edwards chert.

105. Chert fragment. Brown pebble cortex on one edge. Heavily patinated light bluish-gray surfaces elsewhere.

106. Flaked fragment of white petrified palm wood with open vesicles from palm straw.

107. Nutting Stone

108. Decortication flake. Cortex on dorsal side. High quality chert identical to No. 78 above, but highly-weathered light gray (2.5 Y 7/2) with orange splotching. Edwards.

109. San Patrice. Yellowish-brown (10 YR 5/6) with very light bluish-white sporadic dots. Possible Edwards.

110. Scraper. Possibly made from “Clovis” decortication flake blade; at least it is from flake blade typical of Clovis. Mottled brownish-gray, red, pinkish-gray. Chemical weathering possibly too strong for positive identification. Edwards-like. Pebble cortex on dorsal side, and heat-treated. Edwards gravel.

111. Contracting-stemmed, slightly-shouldered, heavily-resharpened blade. Possibly Gary or more appropriately defined as Woden? Poorly developed cortex at base of unthinned stem. Light yellowish-brown (2.5 Y 6/4) to brownish-yellow (10 YR 6/8). Opaque Edwards chert.

112. Broken blade, untyped. Grayish-brown (10 YR 5/2). Edwards chert.

113. Decortication flake. Very pale brown (10 YR 7/3). Edwards chert.

114. groundstone

115. Lange-like dart point. Heavily patinated Edwards.

116. San Patrice. Brown (10 YR 5/3) with tiny white dots sprinkled throughout matrix. Burinated span on one edge of distal tip. Unidentified source.

117. Marshall or Marshall-1ike Woden (?) with barbs broken off. Brownish-yellow (10 YR 6/6) slightly mottled to darker (5/4) chert. Cobble cortex still present at base of unthinned stem. Edwards Gravel similar to No. 109.

118. Flake scraper. Mottled light gray (10 YR 7/2) different shades through yellowish-brown (10 YR 5/4) with pinkish tinge. Cortex still present on two edges. Edwards gravel.

119. Epps-like. Typical bluish-gray Edwards. Heavy patination over entire point.

120. Wells-like. Yellow (10 YR 7/8) to yellowish-brown (10 YR 6/6). Homogeneous color and texture. Flake scars almost worn off. Yellow chalcedony. Source unknown. Check further.

121. Yarbrough. Very dark gray (10 YR 3/1). Very fine quality petrified wood.

122. Unthinned Dalton/Pelican-like. Brownish-yellow (10 YR 6/6) grading into reddish- yellow (7.5 YR 6/6), pinkish-gray (7.5 YR 7/2) along edge. Edwards.

123. Broken distal tip of biface. Light gray (7.5 YR 7/0) weathered white (7.5 YR 8/0) Edwards.

124. Broken edge of bifacial preform. Pinkish-white (7.5 YR 8/2) to reddish-yellow (7.5 YR 8/6). Edwards.

125. Lange-like dart point. Brown (7.5 YR 5/4) with remnant of darker cortex. Dark Brown (7.5 YR 3/2). Gravel source possibly Edwards.

126. Edgewood. Mottled Dark gray, black, to light gray, white petrified wood. Black cortex on both sides of blade.

127. Yarbrough-1ike. One corner of stem broken off. Heavily resharpened blade. Yellowish-brown (10 YR 5/8) to grayish-brown (10 YR 5/2) to gray (10 YR 5/1) mottled with very pale brown (10 YR 8/3) splotching. Edwards.

128. Edgewood-like. Yellowish-red (5 YR 4/6 to 5/6). Waxy luster, opaque jasper. Uncertain source, possibly Tecovas, but too homogeneous in color and texture for typical Tecovas types. Very close microscopic match to Minnelusa.

129. Marcos-like. Basic color grayish-brown (10 YR 5/2) with both light and darker shades in bands. Petrified wood, very high quality.

130. Clovis. Brownish-yellow (10 YR 6/6) to light gray (10 YR 7/1) on one side, and reddish-yellow (7.5 YR 6/8) with red (10 R 4/8) mottling on the other side. Beautiful semi-translucent honey colored "Edwards"(?) chert from north central Texas.

131. Untyped broken biface. Basic color yellowish-red (5 YR 5/6) to lighter yellow, but this surface is highly weathered, worn, and patinated. In cross section the patina is white and 2 mm thick. The interior chert is high quality dark reddish-brown (5 YR 3/4). In microscopic comparison and ultraviolet light fluorescence it is virtually identical to Knife River Flint.

132. Marcos-like. White (10 YR 8/2) grading into dark yellowish-brown petrified wood.

133. Harvey-Mineola biface. Matches Jelks description perfectly. Dark yellowish-brown (10 YR 4/4) weathered to light brownish-gray (10 YR 6/2) cortex. Petrified wood.

134. Langtry-like or Woden resharpened blade and unthinned, squared-off stem. Dark grayish-brown (10 YR 4/2) to grayish-brown (5/2). Edwards.

135. Broken blade of strongly beveled untyped biface. Dalton (?). Made of very dark gray (7.5 YR 3/0) with tiny white dots. Grades (weathering?) into light gray (10 YR 7/2) chert. Good microscopic comparison to Marble Falls, but the artifact reflects slightly increased illusion of translucency and luster. Weathering alone could have created such changes.

136. Marcos-like. Brownish-yellow (10 YR 6/6) to dark yellowish-brown (10 YR 4/6) and very pale brown (10 YR 7/4). Changes in coloration and patterning is typical of cobble weathering, but no cortex is present. Source not certain. Possible Edwards.

137. Severely resharpened Dalton. Flake scars completely worn off and heavy patination of very pale brown (10 YR 8/3) to white (8/1). Original material unobservable.

138. Broken blade of untyped biface. White (10 YR 8/2) weathered and splotched with yellow (10 YR 7/6). Edwards.

139. Geofact.

140. Scraper/knife made on faceted Clovis-like flake blade. High quality dark brown (7.5 YR 3/4) semi-translucent Edwards.

141. Plainview. Yellowish-brown (10 YR 5/6) mottled to grayish-brown (10 YR 5/2) and lighter colored splotching. Edwards.

142. Scottsbluff, broken mid-section stem and lower blade. Dark grayish-brown (10 YR 4/2) with very pale brown splotching. Edwards.

143. Ellis/Edgewood (?). Strong brown (7.5 YR 4/6). Lower 2/3 is opaque fine grained quartzite and towards the distal end material grades into a thin band of olive gray (5 Y 4/2) chert, and the distal tip is brown (7.5 YR 4/4) chert with an increased luster. Gradation from quartzite to chert and the color variation is typical of both Edwards and Tecovas. Edwards is probably best guess. Tecovas is typically more varied in coloration.

144. Biface preform. Brown (7.5 YR 5/4) petrified wood. Cortex remnant of dark gray present on both faces.

145. Pandale-like, crudely flaked. Mottled in shades of white, brown, and black with rust colored staining. Exhibits porous veins filled with iron oxide staining parallel to axis of the blade. Possible Edwards.

146. Broken distal tip of biface. White (2.5 Y 8/3) outer surface of thick patina. Interior rock exposed in broken cross section is dark brown high quality chert (7.5 YR 4/2). Almost identical to No. 131 above, but the patina on 146 is slightly thinner. Same microscopic and fluorescent comparisons to Knife River Flint as 131.

147. Scraper. Not available for inspection.

148. Large, heavily resharpened blade, broken in cross section. Later attempt for refitting with a new crudely-flaked contracting Gary-like stem. Flaking on the stem is much “fresher” than rest of the blade, and appears to result from late Archaic modification of an earlier form of broken artifact. Relatively poor quality orthoquartzite, brown (7.5 YR 5/4) with gray (7.5 YR 5/0) mottling. Small open vugs and plant molds. Good comparison to the brown variety of Fisher quartzite found in headwaters of the Sabine River and should be found as gravels downstream. However, no cortex is evident in this case.

149. Bell/Andice/Calf Creek. More typical of Andice. Basic rock is white (2.5 Y 8/2) stained and weathered to reddish-yellow (7.5 YR 7/6) chert. Identical to white Edwards from northeast side of Belton Lake.

150. Broken blade of untyped biface. Very well made, slightly shouldered Scottsbluff-like (in outline) blade with stem missing. Dark brown (10 YR 3/3) chert, slightly splotched with very pale brown (10 YR 7/3) spots. White, slightly rust-stained cortex on one side of blade. Edwards gravel.

151. Broken mid-section of large untyped biface, but one side exhibits parallel flaking. Brown (10 YR 4/4) grading laterally into mottled brown and white to white (10 YR 8/2) and light gray (10 YR 7/2) chert. Edwards (?).

152. Large, wide Scottsbluff, but it lacks basal grinding. From small fracture on one corner of stem, chert is very pale brown (10 YR 7/4). All other surfaces are weathered and stained to yellowish-brown (10 YR 5/4 to 5/6). Edwards.

153. bone

154. Untyped biface. Unavailable for inspection.

155. Drill made on small Scottsbluff. Lacks basal grinding. Very dark gray (10 YR 3/1) with mottled dark brown (10 YR 4/3) splotching. Microscopic and ultraviolet light fluorescence comparison is identical to Knife River Flint.

156. Bifacial thinning flake. Light brownish-gray (2.5 Y 6/2) weathered/mottled to yellowish-red (5 YR 4/6). Edwards.

157. Broken Palmillas-like large thick and heavily resharpened blade. Strong brown (7.5 YR 5/6) and lighter shade of splotching. Orthoquartzite, small thin remnant of cortex on one surface of stem. Reddened edge of blade is suggestive of heat-treatment. Gravel source.

158. Motley-Epps like dart point. Yellowish-brown (10 YR 5/4 to 5/6), with very pale brown (8/4) splotching. VFG quartzose chert. Edwards (?).

159. Large Edgewood/Frio-like, with heavily resharpened blade. Basic material yellowish-brown (10 YR 5/4) to dark yellowish-brown (10 YR 4/4) splotching with very pale brown (10 YR 8/4). Other side weathered to slightly lighter color. VFG cherty quartzite. Edwards (?).

160. Broken mid-section of large biface with parallel flaking. Scottsbluff (?). Dark yellowish-brown (10 YR 4/4) to brown (10 YR 4/3) Edwards.

161. Small Motley-like. Yellow (10 YR 8/6 to 8/8) weathered in places to darker yellow (7/8). VFG cherty quartzite or possibly weathered Edwards.

162. Fragment of flake scraper. Light brownish-gray (10 YR 6/2) with light orangish mottling. Edwards.

163. Scottsbluff (?) with broken stem and distal end resharpened to drill with blade broken off at juncture with blade. Very dark gray (2.5 Y N3/0) to black (N2/0). Tiny black spots of dendrites sprinkled throughout matrix. Doubtful Edwards (?).

164. groundstone

165. Broken untyped biface. Strongly shouldered, parallel flaking (?), but stem and distal tip broken off. The two breaks occurred at widely separated times as evidenced by differences in weathering. Basic material is brown (7.5 YR 4/4) weathered to very light gray with orange splotching on one side and yellowish-brown (10 YR 5/6) on other side. Type material uncertain. Check further.

166. Broken base of Angostura/First View-like point. Basic yellow (10 YR 7/6) with vivid dusky-red (10 R 3/4) dots. VFG Tecovas quartzite.

167. Yarbrough (?), Palmillas-like (?). Dark yellowish-brown (10 YR 4/4) to brown (5/3), yellowish-red (5 YR 4/6). Yellowish-red and waxy luster may result from heat-treatment. Edwards (?).

168. Plainview. Light yellowish-brown (10 YR 6/4) grades at distal end to dark yellowish- brown (10 YR 4/6) sprinkled with dendrites toward stem that grades into banded very dark gray (7.5 YR N3) to black (N2). Typical of Minnelusa/Casper/Madera. Check further when comparative specimens are-available.

169. groundstone

170. Split cobble of Edwards.

171. Broken fragment of Palmillas-like dart point. Pale yellow (2.5 Y 7/4) weathered to very pale brown (10 YR 7/4). Reddened area of the broken ear and stem are indicative of heat-treatment. Edwards (?).

172. Broken distal end of resharpened parallel flaked biface (Scottsbluff?). Yellowish-brown (10 YR 5/4 to 5/6). Semi-translucent on thin edges. Edwards.

173. Large broken base of Dalton (?). Preform (?). Very fine-grained mottled quartzite of very pale brown (10 YR 7/3), light gray (10 YR 7/2), stained weak red. Heavily patinated and worn. Fisher quartzite from headwaters of Sabine River, possibly obtained as gravel.

174. Broken mid-section of untyped biface. Brown (10 YR 4/3) to brownish-yellow (6/6). Slightly splotched Edwards.

175. Thick broken blade of untyped biface. Strongly shouldered with stem missing. Mottled, highly weathered light gray (10 YR 7/2), light yellowish-brown (10 YR 6/4) to brown (10 YR 5/3) to reddish-brown (5 YR 5/4). Edwards.

176. hammerstone

177. Epps. Brown (10 YR 5/3) to yellowish-brown (10 YR 5/4) mottled to yellow (10 YR 7/6) and dusky-red (10 R 3/4) on distal end. Waxy luster. Luster and red distal tip are indicative of heat-treatment. Edwards.

178. Untyped biface fragment. Pale red (10 R 6/2) to weak red (5/3) weathered to reddish-gray (10 R 6/1). Tecovas quartzite (?).

179. Ellis-like. Brownish-yellow (10 YR 6/8) to reddish-yellow (7.5 YR 6/6). Heavily worn. Very fine-grained unidentified cherty quartzite, probably East Texas gravels.

180. Small flake scraper. Made of pale yellow (2.5 Y 7/4) to light yellowish-brown (2.5 Y 6/4) chert with well-healed reddish-brown hairline fractures. Edwards (?).

181. Broken biface. Stem and distal tip are missing. The broken cross-section is light gray (2.5 Y 7/2). Surfaces are weathered to mottled very pale brown (10 YR 7/4) and reddish-brown (5 YR 4/4). Edwards.

182. Broken Clovis. End of stem is missing, but broken cross-section patinated to same degree as blade. Recent (?) flake removed from distal tip reveals gray (7.5 YR 6/0) chert. All other surfaces are heavily patinated and worn from beach wear, and are mottled white, light gray and orange. Edwards.

183. Flake scraper. Brown (10 YR 5/3) mottled with both lighter and darker shades of brown. Cortex on dorsal surface. Edwards gravel.

184. Broken rounded base of large thick untyped biface. Probably preform and exhibits trace of heat-treatment. Dark gray (10 YR 4/1) with splotched light gray (10 YR 7/1). Dense opaque cherty-quartzite typical of Lower Boone of northeast Oklahoma, northwest Arkansas.

185. Cobble scraper. Pale yellow (2.5 Y 7/4) to light yellowish-brown (10 YR 6/4) siliceous oolite. Cobble cortex remains on dorsal side, and clearly indicates a gravel source of the rock. Chawner (1936:135) describes the presence of siliceous oolite in the Citronella gravels of East Central Louisiana but does not provide any description of the rock itself. An identical form of yellow siliceous oolite has been reported (Banks: in press) for a small resharpened Dalton point found at Site 109 for the Gilmer investigations being conducted by Horizon Environmental Services, Inc. of Austin, Texas. This will be examined further.

186. Motley/Epps-like broken biface. Basic material is light gray (10 YR 7/2) and grayish-brown (10 YR 5/2), and typical light-bluish gray Edwards patination occurs on the surfaces and on the broken cross-section of the blade.

187. Large, thick, broken edge of a preform reworked into a crescent shaped tool (?). Severely weathered and patinated with rusty-brown colored rind. No observable original material, and identity undetermined.

188. (check for classification). Made of yellow (10 YR 6/6) very fine-grained quartzite mottled with both darker and lighter shades of yellowish-color on one side and the other side is dark yellowish-brown (10 YR 5/8). Exhibits cortex remnants on both faces and at the base of the stem. Gravel source.

189. Palmillas-like broken dart point. Dark grayish-brown (10 YR 4/2) to brown (10 YR 5/3) petrified wood.

190. Broken bifacial preform. Yellowish-brown (10 YR 5/4) Edwards chert mottled to lighter and darker shades of brown.

191. Yarbrough. Very dark gray (10 YR 3/1) and brownish-yellow (10 YR 6/6) petrified wood.

192. Resharpened Dalton or possibly Clovis. Made of uniformly colored brownish-yellow (10 YR 6/6) chert. Possibly Edwards, but not a certainty.

193. Ellis. Gray (10 YR 5/1) quartzite, weathered to brown (10 YR 5/3) and yellowish-brown (10 YR 5/4). Typical of quartzites found as gravels in the Queen City Sand Formation of east Texas, and probably occurs in Sabine River Gravels.

194. Ellis-like. Aborted attempt of basal thinning because of inadequate ability of the rock to fracture properly. Made of gray (10 YR 5/1) quartzite sprinkled with tiny black dots. Typical of Queen City Sand Formation gravels.

195. Kent/Gary/Woden-like. Light gray (10 YR 7/2) petrified wood, weathered to very dark gray (10 YR 3/1) on both surfaces and at the base of the unthinned stem.

196. Untyped, broadly shouldered, and broken biface. Light yellowish-brown (10 YR 6/4) Edwards chert mottled to grayish-brown (10 YR 5/2) and very pale brown (10 YR 5/3). Reddened areas on both surfaces near the stem are indicative of heat-treatment.

197. Plainview/Dalton/possibly unfluted Clovis. Material type may have precluded the ability to flute the point. Very dark grayish-brown (10 YR 3/2), dark brown (10 YR 3/3), and dark yellowish-brown (10 YR 4/4). Spots of lavender (pale red 10 R 6/3) occur on both surfaces and associated with splotches of yellowish-red (5 YR 5/6). Very high quality of petrified wood.

198. Slightly shouldered, broken, and untyped biface. Flake at distal tip exhibits light brownish-gray (10 YR 6/2) coloration. All other surfaces are weathered to darker uniform dark gray (10 YR 4/1). Edwards chert or possibly VFG quartzite. McFaddin materials in general tend to reflect minute differences between chert and quartzite that may be a result of the effects of weathering peculiar to this area. Normally distinctions are much clearer.

199. Large Scottsbluff. Spall on one corner of stem exhibits light yellowish-brown (10 YR 6/4) chert as does a flake on the edge of the blade toward distal end. All other surfaces patinated to light gray (10 YR 7/2) with very pale brown (10 YR 7/4) splotching. Edwards chert.

200. Yarbrough. Subtly mottled colors from dark gray (7.5 YR 4/0) to dark grayish-red (10 R 4/1), and dusky-red (10 R 3/2) with white splotches. Semi-translucent on thin edges. Other side weathered to lighter shades of same basic colors, patination of light bluish-gray. Edwards.

201. Flake scraper. Dark yellowish-brown (10 YR 3/4) with lighter splotches. Cobble cortex on dorsal side. Same material as 131 and 146. Possibly from very high quality Edwards gravels, but it also resembles some varieties of Knife River flint. The rock type is almost identical with a chipped cobble found in Williamson Creek in southeast part of Austin, Texas as weathered from the Edwards.

202. Broken rectangular base of large untyped biface. Basic material gray (10 YR 6/1) weathered to brown (10 YR 5/3) and light yellowish-brown (10 YR 6/6). Edwards.

203. Kent/Gary-like. Contracting unthinned stem with cortex at base. Very dark grayish-brown (10 YR 3/2) to very dark gray (10 YR 3/1) with black (10 YR 2/1) splotching. Edwards gravel.

204. Broken contracting stemmed dart point with broken stem. Gary (?). Beautiful high-quality gray (2.5 Y 5/0) to dark gray (2.5 Y 4/0) with splotches of light brownish-gray (2.5 Y 6/2) to olive brown (2.5 Y 4/4). Possibly Edwards, but a mental comparison with chert from the Great Smoky Mountains of eastern Tennessee gives cause for caution. Check further.

205. Ellis/possibly Lange-like. Broken distal tip. Brownish-yellow (10 YR 6/6) to yellow (10 YR 7/6) very fine-grained cherty quartzite. Exhibits tiny open vugs and one quartz-filled vug. Reddened base of the stem is indicative of heat-treatment. Tecovas (?) quartzite.

206. Broken blade of untyped biface. Broken cross-section exhibits very pale brown (10 YR 7/3) color, and surfaces mottled to light yellowish-brown (10 YR 6/4) to dark reddish-brown (5 YR 3/2). Small remnant of cortex near distal end on one face. Edwards gravel.

207. Very small, thin, Plainview-like dart point or large Talco arrowpoint. Distal end is broken. Beautiful brownish-yellow (10 YR 6/6), semi-translucent chalcedony. Tecovas best guess.

208. Blade of large broken biface. Stem broken off, but reveals wide, flaring shoulders. Brown (10 YR 5/3) chert matrix heavily interspersed with light gray (10 YR 7/2) fragments of fossil hash. Similar to Pisgah Ridge materials but not exact match. Good microscopic and fluorescent comparisons to one variety of chert from the Weeping Water Creek in southeastern Nebraska.

209. Broken fragment. Light brownish-gray (10 YR 6/2) weathered in splotches to gray (10 YR 5/1), dark yellowish-brown (10 YR 4/4) cherty dolomite with quartz-filled vugs. Edwards.

210. Flake scraper with pointed graver-like tip. Very dark grayish-brown (10 YR 3/2) to brown (10 YR 5/3) Edwards gravel. Cortex covers dorsal side.

211. Small Godley-like dart point. Strong brown (7.5 YR 5/6) chert, possibly Edwards, but source uncertain. Heavily worn and polished.

212. Small Edgewood-like dart point. Fresh flake on one edge exhibits pinkish-gray (7.5 YR 7/2) fine-grained quartzite with small white rectangular inclusions. Rest of artifact is completely covered with strong brown (7.5 YR 5/6) patinated and heavily worn encrustation. Good microscopic comparison with coarse-grained weathered Edwards chert.

213. Flake scraper. Dark brown (7.5 YR 4/2) (in fresh flake). All other surfaces weathered to gray (10 YR 5/1) splotched with spots of light gray (5 Y 7/2). Edwards.

214. Large Yarbrough. Thick, and has basally unthinned stem like Woden. Gray (5 Y 5/1), splotched with light olive gray (5 Y 6/2) Edwards chert.

215. Ellis-like. Very pale brown (10 YR 7/4) mottled light brownish-gray (10 YR 6/2), brownish-yellow (10 YR 6/6) to dark yellowish-brown (10 YR 4/6). Well-healed hairline fractures and quartz-filled vugs. Very fine-grained petrified wood.

216. Yarbrough/Ellis-like. Yellow (10 YR 7/6) to yellowish-brown (10 YR 5/6) on fresh breaks. Surfaces mottled red (10 R 4/6) to dark olive gray (5 Y 3/2). Very fine-grained quartzite. If the red areas reflect heat treatment, such treatment was conducted after the tool was flaked. Tecovas quartzite (?).

217. Broken edge of bifacial preform. Yellow (10 YR 7/6) to yellowish-brown (10 YR 5/6) with white palm-straw fillings. Petrified palm wood.

218. Untyped shouldered and broken biface. Reddish-yellow (7.5 YR 6/6) to brown (7.5 YR 5/4) fine-grained quartzite. Pebble cortex on one surface. Reddened shoulder indicative of heat-treatment. Possibly Tecovas.

219. Ellis/Yarbrough-like. Brown (7.5 YR 5/4) fine-grained quartzite. Weathered on one face to yellowish-brown (10 YR 5/6) and gray (10 YR 5/1) splotched on other. Unthinned base contains cortex remnant. Gravel source.

220. groundstone

221. Palmillas (?). Only rough outline is observable because of wear. Entire artifact heavily encrusted with white and rust-colored patina. Heavily worn, and no original surface observable. Unidentified chert type.

222. Untyped broken blade of biface. The proximal edge of the broken plane reflects an aborted attempt of restemming the point. Dark reddish-brown (5 YR 3/2) to dark red (5 YR 3/6) petrified wood.

223. Large flake knife. Made from dark yellowish-brown (10 YR 4/4) chert grading into white (10 YR 8/1) band beneath thick weathered rind of the original chert nodule. Edwards.

224. Lange (?). Distal tip broken. Yellow (10 YR 7/6) with slight mottling in lighter shades. White quartz-filled vugs on one face. Very fine-grained quartzitic chert. Edwards.

225. Harvey-Mineola Biface. Dark yellowish-brown (10 YR 4/4), dark gray (10 YR 4/1) and light gray (10 YR 7/1). Petrified wood. Cortex remnant along one unchipped edge.

226. Broken blade of untyped biface. Light reddish-brown (5 YR 6/4) exhibited in fresh flakes at broken stem and on one edge. Exhibits red (10 R 5/6) fine-grained quartzite. The surface is completely patinated and worn. Tecovas quartzite.

227. Flake showing minimal use wear. Grayish-brown (10 YR 5/2) mottled yellowish-brownish gray. Edwards chert.

228. Yarbrough Dark grayish-brown (10 YR 4/2) on one side. Other side is slightly patinated with light bluish-gray. Edwards.

229. Yarbrough-1ike. Incredible sequences of rejuvenation on the blade portion. Basic rock is light yellowish-brown (10 YR 6/4) fine-grained quartzite (reflected in third stage of resharpening). Intermediately weathered and flaked surface is yellowish-red (5 YR 4/6), and the original flaked surface of the stem reflects a dark reddish-gray patina. Good microscopic comparison to Tecovas quartzite.

230. Yarbrough. Base of stem is unthinned and appears to be intentionally burinated along lateral edge. Yellow (2.5 Y 7/6) weathered to yellowish-brown (10 YR 5/8) chert, and stem and one ear are weak red (10 R 4/6), probably from heat-treatment. Very fine-grained quartzitic chert, unweathered center exposes the yellowish original rock. Edwards.

231. Firstview. Dark grayish-brown (2.5 YR 4/2) with lighter splotching. Edwards.

232. Gorget

233. Relatively large flake scraper. Highly mottled yellow (10 YR 7/6), dark grayish-brown (10 YR 4/2), light brownish-gray (10 YR 6/2), weak red (2.5 YR 4/2) and red (10 R 5/6). Distinctive pale blue angular patterns of quartz-filled vugs. Tecovas.

234. San Patrice (Rogers side-notched variety). Brownish-yellow (10 YR 6/6) from fresh flakes on one edge. One surface weathered to pale brown (10 YR 6/3) with light gray splotching, and other side splotched with yellowish-brown (10 YR 5/6). Edwards (?).

235. Completely worn and encrusted broken mid-section of untyped biface. No original surface of the rock is observable. Unidentifiable.

236. Broken mid-section of large untyped biface. Completely encrusted and worn. Original material appears to have been gray (10 YR 6/1) chert. Edwards (?).

237. Drill formed on broken contracting-stemmed (Gary?) biface. Strong brown (7.5 YR 5/6) very fine-grained and heavily-worn quartzite. Fisher (?). Check further.

238. Large Dalton, resharpened blade. Dark olive-gray (5 Y 3/2), with black (5 Y 2.5/1) dendritic splotching. Edwards (?).

239. Edgewood/Ellis (?). Very pale brown (10 YR 8/4) with edges weathered to brownish-yellow (10 YR 6/6) and cortex remnant of dark yellowish-brown. Edwards gravel.

240. Broken mid-section of slightly shouldered biface. Original material appears to have been light gray (10 YR 6/1). Edwards chert (?).

241. Broken mid-section of untyped biface. Yellowish-brown (10 YR 5/4) in broken cross-section. Weathered to mottled yellow (10 YR 7/6) and dark grayish-brown (10 YR 4/2). Well-healed fractures filled with light blue-gray quartz. Edwards.

242. Broken blade of untyped biface. Light yellowish-brown (10 YR 6/4) mottled splotching of yellow (10 YR 7/6) and brown (10 YR 5/3). Edwards.

243. Yarbrough. Basally unthinned with cortex remaining at base of stem. Yellow (10 YR 8/6) very fine-grained quartzite. Heavily worn and coated with yellowish-brown (10 YR 5/6) patina. Unidentified.

244. Pottery

245. Mammoth molar

246. Yarbrough-1ike, but with beveled blade. Brownish-yellow (10 YR 6/6), weathered (patinated) to dark yellowish-brown (10 YR 4/6). Heavily patinated and worn. Very fine-grained quartzitic chert. Edwards.

247. Broken distal end of untyped biface. Pale yellow (2.5 YR 7/4) mottled to lighter and darker shades and reddened (10 R 4/6) on edges. Reddened areas possibly from heat-treatment. Very fine-grained quartzitic chert identical to Seguin specimen Acme-11 from Guadalupe River cobble. Edwards.

248. Fragment of large thick bifacial preform. Very pale brown (10 YR 7/3) weathered to dark yellowish-brown (10 YR 4/4) on edges. Has characteristic light orange streaking observable under hand lens. Very fine-grained quartzite. Possibly Tecovas.

249. groundstone

250. Broken, resharpened, worn, and encrusted contracting-stemmed Gary. Red (10 R 4/6) slightly waxy coating. All flake scars worn off. Original material unobservable.

251. Large flake scraper. Yellow (10 YR 7/6) mottled to both lighter and darker shades. Cobble cortex on one side and both ends. Edwards gravel.

252. Pelican. Blade severely resharpened. Yellowish-red (5 YR 4/6). Edges inside pebble cortex is light yellowish-brown (10 YR 6/3). Flake scars are heavily worn. Petrified wood.

253. Godley-like. Stem is either snapped off or intentionally unthinned. Dark yellowish-brown (10 YR 4/4) with dots and slight splotching of very pale brown (10 YR 8/3). Edwards chert.

254. Flake scraper. Basic yellowish-red (5 YR 4/6) on one side. Other side is slightly lighter in color. Very pale brown (10 YR 7/4) streak across one surface. Pebble cortex and minor chatter marks on one edge. Edwards gravel.

255. Midland/unfluted Folsom (?). Dark red (2.5 YR 3/4) chert with minor dull yellowish splotching, and obverse side exhibits dark gray quartz-filled vugs surrounded by pale yellow rings. Best guess is Tecovas.

256. Pelican. Dark brown (10 YR 4/3) with lighter shades of brown. Petrified wood.

257. Scottsbluff . Brownish yellow (10 YR 6/6), mottled darker and lighter shades on one side. Other side is light brownish-gray (10 YR 6/2) with darker mottled dotting. Dramatic differences from one side to the other from effects of weathering. Edwards.

258. Small corner-notched biface (Ensor, Ellis-like). Dark yellowish-brown (10 YR 4/4) with reddish tinge on one side; lighter colored brown (10 YR 5/3) on other side. Edwards.

259. Gary. Strong brown (7.5 YR 5/6 to 5/8). Light gray splotching on both surfaces of stem and lower blade. Porous character of splotching typical of carbonate rind on chert nodules. Edwards.

260. Dalton/Pelican-like. Resharpened blade. One ear broken off. Other ear exhibits dark red coloration suggestive of heat-treatment. Dark yellowish-brown (10 YR 4/4, 4/6) to strong brown (7.5 YR 5/6) with minor very pale brown splotching. Edwards.

261. Snapped off proximal end of attempted blade removal from core. Grayish-brown (10 YR 5/2) with white (10 YR 8/2) to light gray (10 YR 7/1) patination on reverse (weathered) side. Edwards.

262. Broken edge of thick preform. Dark yellowish-brown (10 YR 4/4), yellowish-brown (10 YR 5/4) to pale brown (10 YR 6/3). Edwards chert.

263. hammerstone

264. Flake (relatively large) of debitage. Light yellowish-brown (10 YR 6/4) with dark brown splotching on one edge. Dull, earthy luster. Heavily weathered. Edwards (?).

265. Broken edge of thick flake scraper. Brown (7.5 YR 5/4) to strong brown (7.5 YR 5/6) and darker beneath cortex of (7.5 YR 4/4). Cortex along one edge. Edwards gravel.

266. Flake scraper. Light yellowish-brown (10 YR 6/4) with dark gray mottling and quartz-filled disconnected fractures. Reddened edge at bulb of percussion may be indicative of heat-treatment. Edwards.

267. Debitage flake scraper, similar to backed bladelet. Red (10 R 4/6) jasper, weathered yellow (10 YR 7/6) cortex. Tecovas is best guess.

268. Broken blade of narrow resharpened biface. Heat-treated Ogallala Quartzite. Uvalde gravel.

269. Broken blade of large untyped biface. Light brownish-gray (10 YR 6/2) with fresh fracture on distal tip exhibiting dark grayish-brown (10 YR 4/2). The light brownish-gray grades into light gray (10 YR 7/2). Typical Edwards light bluish-gray patination. Edwards.

270. Marshall/Martindale-like with resharpened blade. Brownish-yellow (10 YR 6/6) to very pale brown (10 YR 6/3) and darker brown splotching on one side (ventral), and weathered to yellow (10 YR 7/6) with rusty splotching on other side. Edwards.

271. Gary. Yellowish-brown (10 YR 5/4) mottled and splotched with lighter very pale brown (10 YR 7/4). Weathered quartzitic chert or VFG quartzite. Upon further checking, matches quartzitic Edwards chert.

272. Scraper. Reddish-gray (5 YR 5/2) on ventral side. Reddish-brown (2.5 YR 5/6) with white porous cortex on dorsal side. Edwards gravel.

273. Broken biface preform. Very pale brown (10 YR 6/3 to 7/4). Cortex remnants. Edwards gravel.

274. Broken base of Plainview. Grayish-brown (10 YR 5/2) with mottling of weak red (2.5 YR 4/2). Edwards.

275. Elam or Neches River (?). Yellow (10 YR 7/6) grading into slightly darker colors of dark yellowish-brown (10 YR 4/6). Pebble cortex on both surfaces. Edwards gravel.

276. Palmillas-like. Dark grayish-brown (10 YR 4/2) with lighter colored splotching. Edwards. Reddened distal tip may be indicative of heat-treatment.

277. San Patrice. Pale brown (10 YR 6/3) with light yellowish-gray splotches. Other side is darker brown {10 YR 5/3). Flake at distal tip exposes light gray interior. Edwards.

278. Epps-like. Very pale brown (10 YR 8/4) to yellow (10 YR 8/6) mottled with gray to weak red splotching and cortex remnant. Edwards gravel.

279. Kent. Very dark grayish-brown (10 YR 3/2) petrified wood. Black beneath cortex of grayish-brown (10 YR 5/2). Cortex on both surfaces, at distal tip, and at base.

280. Yarbrough. Thick blade and severely resharpened. Fresher flakes on one edge reveal light yellowish-brown (10 YR 6/4) Edwards chert. Weathering has produced an overall color of strong brown (7.5 YR 4/6). Pebble cortex remnant on one surface of blade and tiny remnant at base of stem. Edwards gravel.

281. Yarbrough/Kent (?). Broken thick blade. Distal half of blade missing. Dark red (10 R 3/6) with yellow (10 YR 7/6) weathering on both faces, and blackish-red cortex remnant on one side. Dark gray splotching. Tecovas gravel .

282. Gary. Fresh break at distal tip exhibits yellow (10 YR 7/6) raw material. Remainder is highly weathered, worn, and altered to darker yellowish-brown shades. Tiny remnant of cortex with chatter marks on one surface; white weathering crust on other side. Edwards (?) gravel.

283. Gary. Fresh flakes on one edge exhibits red (10 R 4/6) jasper. One side weathered to brown (10 YR 5/3); the other to dark reddish-gray (5 YR 4/2). Heavily worn flake scars and slightly polished surfaces. Tecovas (?).

284. Broken distal end of large untyped biface. Light gray (5 Y 6/1) to gray (5 Y 5/1) Arkansas novaculite. Typical of materials near Hot Springs.

285. Yarbrough (?). Basically very pale brown (10 YR 7/3) with mottling of dark gray (10 YR 4/1) and orange splotching. Heavily patinated Edwards.

286. Bone point

287. Sliver bone awl

288. Pitted stone

289. Untyped broken biface. Shouldered and rectangular-stemmed. Reddish-yellow (7.5 YR 6/6) mottled darker and lighter shades. Fresher break on distal tip is a lighter reddish-yellow (10 YR 7/6). Few dark gray and red grains of sand. Fine-grained quartzite, with tiny cortex remnant. Gravel source, possibly Edwards/Uvalde.

290. Yarbrough (?). Strong brown (7.5 YR 5/8) to reddish-yellow (7.5 YR 6/6). Silica-filled vesicles. Cortex remnant on one side near thicker part of shoulder. Same basic material as 252 above. Petrified wood.

291. Epps-like. Strong brown (7.5 YR 4/6) to yellowish-red (5 YR 5/6). Heavily worn surfaces. Very pale brown splotches. Almost identical to some of the yellow-brown petrified wood, but lacks defined wood grain. Source uncertain, but probably from gravel.

292. Ensor-like. Reddish-gray (10 YR 5/1) with distinctive dark red splotching. Cortex remnant at base of stem. Tecovas quartzite.

293. Broken base of large untyped biface. Similar to no. 289, but larger and more crudely flaked. Yellow (10 YR 7/6) to brownish-yellow (10 YR 6/6) with darker brown (10 YR 3/3) splotches. VFG quartzite. Same basic rock as no. 289 also. Possibly made by same individual.

294. Base of biface preform. Heavily worn with flake scars removed. Heavy patination. Multi-colored weathered surfaces distinctive from one side to the other. Both sides exhibit plant stem molds typical of quartzites, but also resembles petrified palm wood. Surfaces too heavily patinated for accurate identification.

295. Yarbrough. Pale brown (10 YR 6/3) patinated to light yellowish-gray (10 YR 6/2) and gray (10 YR 6/1). Edwards.

296. Edgewood/Ellis (?). Light brownish-gray (10 YR 6/2) and light yellowish-brown (10 YR 6/4) weathered to dark yellowish-brown (10 YR 4/4). Edwards.

297. Garyito. Dark red (10 R 3/6). Heavily worn. Dark gray silica grains visible with hand lens. Tecovas quartzite.

298. Rounded decortication flake with retouched edges. Brown (10 YR 5/4) weathered and worn. Dorsal side covered with yellowish-red (5 YR 5/6) cortex. Edwards gravel.

299. Yarbrough. Grayish brown (2.5 YR 5/2) with lighter gray mottling grading into weak red (10 R 4/2) at distal end. Edwards.

300. Untyped, large, shouldered biface. Stem missing, but was apparently straight to slightly contracting. At broken stem material exhibits light gray (2.5 YR 7/2) Edwards chert. Weathering progresses successively outward to very dark gray (10 YR 3/0) to outermost weathered surface of light gray (2.5 Y 7/2). Edwards.

301. Gary. Dark red (10 R 3/6) mottled with lighter weak red to reddish-gray (10 R 5/1) . Heavily worn and patinated. Fisher quartzite.

302. Pelican (?) with severely resharpened blade. Yellowish-red (5 YR 4/6 to 5/6). Heavily worn surfaces. Actual raw material only observable in one flake on resharpened distal tip of yellow (10 YR 7/6) VFG quartzite. Small remnant of cortex on one side. Gravel source, possibly Edwards or Uvalde.

303. Unifacial flake scraper from blade. Beautiful homogenous-colored, semi-translucent orangish red (red 2.5 YR 4/6) chert. Most similar to Chuska, but not a certainty.

304. Large Yarbrough. Heavily patinated with white (10 YR 8/1) dark gray and pale orange splotching. Typical of Edwards, but fresh material unobservable.

305. Broken biface fragment. Heavily worn and patinated. Yellowish-red (5 YR 5/8) staining. Raw material in fresh flake of edge is light gray (10 YR 7/1) Edwards.

306. Edgewood Very subtly mottled dark yellowish-brown (10 YR 4/4) with both darker and lighter shades. Edwards.

307. Broken untyped (possibly Pelican or San Patrice) biface. Strong brown (7.5 YR 5/6) with light yellow splotching. Reddened ear on one shoulder indicative of heat-treatment. Edwards.

308. Gary/Wells (?). Mottled yellow (10 YR 7/6) with gray and dark brown splotching. Gray “splotching” is unweathered grainy quartzitic chert. Heavily weathered Edwards.

309. San Patrice/Pelican (?). Strong brown (7.5 YR 5/6) splotched with reddish-yellow (5 YR 6/6). Completely patinated and worn. Fresh material unobservable. Source uncertain.

310. Gary/Yarbrough (?). Distal tip resharpened. Reddish-yellow (7.5 YR 7/6) to yellow (10 YR 8/6). Light gray very infrequent splotches. Original material unobservable. Heavily patinated and worn.

311. Large Scottsbluff. Brown (10 YR 5/3) with light gray splotching. Edwards.

312. Small Palmillas. Basically very pale brown (10 YR 7/6) with darker and lighter splotching. Edwards.

313. Harvey-Mineola Biface. Piece of petrified wood like backed bladelet.

314. Garyito. Dark yellowish-brown (10 YR 4/6) jasper. Pebble cortex. Gravel source, possibly Queen City Sand Formation.

315. Ensor. Light yellowish-brown (10 YR 6/4) to pale brown (10 YR 6/3). Small rust colored splotches. Edwards.

316. Large broken Dalton. Heavily worn and patinated. Patina about 2 mm thick. Broken blade exhibits light brownish-gray chert (10 YR 6/2). Remainder of surfaces weathered to light yellowish-brown (10 YR 5/6) to yellowish-red (5 YR 5/6). Edwards.

317. Broken biface preform. Very pale brown (10 YR 8/3) weathered to yellowish-brown (10 YR 5/6). Cortex remnant on one side of blade. Edwards gravel.

318. Large broken mid-section of untyped biface. Grayish brown (10 YR 5/2) with typical light blue-gray patina. Edwards.

319. Bone awl

320. Yarbrough. Grayish-brown (10 YR 5/2) petrified wood.

321. Bone awl

322. Tortugas or biface preform (?). Basic light yellowish-brown (10 YR 6/4) mottled with light brownish-gray (10 YR 6/3). Edwards.

323. Very pale brown (10 YR 8/3) to white (10 YR 8/2) weathering. Single “fresh” flake on one edge exhibits light gray (10 YR 7/1) Fisher quartzite. All other surfaces completely encrusted and patinated.

324. Decortication flake scraper. Yellowish-brown (10 YR 5/4) to dark yellowish-brown (10 YR 4/6). Edwards gravel.

325. Evans. Yellowish-brown (10 YR 5/6) mottled to very pale brown (10 YR 8/3). Cortex on reverse side of light gray (7.5 YR 7/0). Edwards gravel.

326. Ensor with resharpened blade. Strong brown (7.5 YR 4/6) cortex remnant with chatter marks. Edwards gravel.

327. Plainview. Multi-colored; pinkish-gray (7.5 YR 7/2), reddish-gray (10 R 5/1), weak red (10 R 4/4) to white (10 YR 8/2). Cherty quartzite. Tecovas.

328. Kent (?) with twisted stem. Coarse grained chert or VFG quartzite. Highly mottled yellow (10 YR 7/6), gray (10 YR 5/1), very pale brown (10 YR 8/4), with white (10 YR 8/2) splotches and dots, and light red (2.5 YR 6/6) staining. Basic material is the gray quartzitic chert. Possibly Edwards.

(Artifacts Viewed Under Artificial Light)

329. Gary. Yellow (10 YR 7/6) quartzite grades into yellowish-brown (10 YR 5/6). Heavily worn. Flake scars removed. Stained with yellowish-red at base of stem. Probably same unknown source of other yellow quartzites.

330. Flake. Brownish-yellow (10 YR 6/6) subtly mottled to dark yellowish-brown (10 YR 3/4). Cortex remnant on one edge. Petrified wood from gravel source.

331. Yarbrough (?). Large stem, resharpened blade. Dark grayish-brown (10 YR 4/2) to dark gray (10 YR 4/1). Edwards.

332. Hell Gap-like. Heavy basal grinding, slightly shouldered. Distal tip broken. Dark yellowish-brown (10 YR 3/4 to 3/6). Obverse side heavily worn. Edwards.

333. Flake scraper. Reddish-brown (5 YR 5/4) mottled with light pale brown (10 YR 7/3). Cortex remnant. Edwards gravel.

334. Edgewood, distal tip broken. Brown (10 YR 5/3) to light yellowish-brown (10 YR 6/4). Slightly mottled with pale brown splotching and initial development of light bluish- gray patina. Edwards.

Coen Collection

1. Large broken base of rounded biface. Light gray (10 YR 7/1) mottled to white (10 YR 8/2) and light brownish-gray (10 YR 6/2) Edwards chert.

1A. Broken distal end of untyped biface. Dark brown (10 YR 4/3). Encrusted and worn. Broken mid-section also worn and coated with white encrustation. Uncertain source.

2. Large Clovis resharpened into a Yarbrough dart point. Clovis fluting still observable. Dark yellowish-brown (10 YR 3/4) mottled to light brownish-gray (10 YR 6/2). Slightly translucent on thin edges. Edwards.

3. Yarbrough. Resharpened blade, with impact fracture at distal tip. Dark gray (2.5 Y 4/0). Very fine-grained quartzite weathered to mottled yellowish-brown (10 YR 5/6). Queen City Formation quartzite from gravel.

4. Pelican. Yellow (10 YR 7/6) mottled to dark brown (10 YR 3/3). Tiny white inclusions. Round and rectangular open vugs. Slight encrustation of light gray patina on both surfaces. Edwards (?).

5. Large Clovis. Slightly piano-convex in cross-section. Dorsal side is dark grayish-brown (10 YR 4/2) grading into reddish-brown at distal and proximal ends. Splotched with numerous tiny light gray splotches. Ventral (slightly flatter) side is dark reddish-brown (5 YR 3/4) with yellowish-red (5 YR 5/8) and very pale brown (10 YR 7/4) splotching. The differences in coloration from one side to the other are most likely from differences of exposure to the surface of the ground, etc. VHQ Edwards.

5A. Broken, percussion end of Clovis flake blade. One edge used as cutting/scraping tool. Pale brown (10 YR 6/3) slightly mottled to gray (10 YR 5/1) and brown (10 YR 5/3). Cobble cortex with chatter marks observable along one edge. Edwards gravel.

5B. Bristol Biface. Light brownish-gray (10 YR 6/2) mottled to very pale brown (10 YR 7/4) and yellowish-brown (10 YR 4/6). Edwards (?).

5C. Flake knife/scraper. Made from prismatic (Clovis?) blade. Pebble cortex with chatter marks on the wide distal end. The end with the bulb of percussion has been resharpened into a sharp point (graver?). Beautiful semi-translucent dark yellowish-brown (10 YR 4/6) grading into splotched reddish-brown (2.5 YR 4/4). Possibly Edwards.

6. Yarbrough-like. Burinated spall on one edge of the stem. Black (5 Y 2.5/1). Very dense chert-like quartzite. Very similar to Seymour gravel quartzites along eastern edge of Llano Estacado.

7. Hell Gap. Dark yellowish-brown (10 YR 4/6) subtly mottled to light yellowish-brown (10 YR 6/4). Source uncertain. Check further for possible relationship to Proctor gravels.

8. Lange (?). Yellowish-brown (10 YR 5/4) grading into very dark grayish-brown (10 YR 3/2). Ventral side slightly lighter in color. Very subtle "banding" at base of the stem is typical of cobble cortex development. Edwards gravel source.

9. Yarbrough/possible Pontchartrain (?). Light brownish-gray (10 YR 6/2) with few tiny red (10 R 4/6) dots. Edwards.

10. Large resharpened Dalton. Distal end broken. Yellow (10 YR 8/6) with darker (10 YR 7/8) to light brownish-gray (10 YR 6/2). Very fine-grained quartzite. Source uncertain.

10A. Broken San Patrice. Reddish-brown (2.5 YR 5/4) with light yellowish-brown (10 YR 6/4) and pale brown (10 YR 5/3) splotching. Edwards.

11. San Patrice. Multi-colored light gray (10 YR 7/2), reddish-brown (2.5 YR 5/4), and brownish-yellow (10 YR 6/6). Edwards gravel.

12. Base of Clovis dart point. Very dark grayish brown (10 YR 3/2). Mottled with yellow (10 YR 7/6) dots. Possibly Edwards, but source not a certainty.

13. Ellis-like. Light brownish-yellow (10 YR 6/6), weathered on surface to light yellowish-brown. Very fine-grained quartzite or well indurated siltstone of undetermined source.

13A. Broken proximal end of wide parallel-flaked biface. Scottsbluff (?). Very dark gray (2.5 YR 3/0) Edwards chert?

14. Edgewood/Ensor (?). Broken distal end. Very dark gray (10 YR 3/1) Edwards chert.

15. Plainview. Basically grayish-brown (10 YR 5/2), slightly mottled to dark reddish-brown (5 YR 4/2). Edwards.

16. Godley. Gray (2.5 Y N5/0) with patinated surfaces weathered to light gray (2.5 Y N7/0) and light gray (10 YR 7/1). The higher surfaces of both sides reflect an older weathered surface from which later retouched edges formed. Edwards.

(Due to rain, the following artifacts from the Coen collection were examined under artificial light.)

17. Dalton. Grayish-brown (10 YR 5/2) with light gray (10 YR 7/2) mottling. Edwards.

18. Dalton, resharpened and broken in attempt to retouch blade to (Cody-like) Red River knife. Dark yellowish-brown (10 YR 4/4) with very dark gray (10 YR 3/1) banding across one ear on one side and near broken distal tip on other side. Very fine-grained quartzite. Though no cortex per se is present, the banding at the ends are indicative of being from a cobble. Probably Edwards gravels (Seguin).

19. San Patrice (St Johns variety). Dark yellowish-brown (10 YR 3/6) to dark grayish-brown (10 YR 4/2) very fine-grained quartzite. Louisiana gravels (?).

20. Yarbrough. Completely encrusted with thick yellowish-red patina (5 YR 5/8), and flake scars worn off. Original material not observable. Quartzite-like appearance.

21. Dalton. Resharpened at angle across the blade like Red River knife. Very pale brown (10 YR 7/4) mottled to yellow (10 YR 7/6) and light gray (10 YR 7/2). Edwards.

22. Flake knife/scraper. Dark reddish-brown (2.5 YR 3/4). Semi-translucent on thin edges. Patinated on both sides with light bluish-gray and tiny white dots. Edwards.

23. Heavily resharpened distal end of untyped biface. Completely patinated on all surfaces including the broken cross section; original material unobservable. Patination identical to Edwards types. The different degrees of patination reflected from the interior surfaces to the edges suggest edge rejuvenation of an older blade at the same time in which the blade was broken.

24. Scottsbluff. Broken in cross-section towards distal tip. The break in cross-section exhibits gray (2.5 Y 5/0) fresh material. Surfaces are subtly mottled gray (10 YR 5/1), dark brownish-gray (10 YR 4/2), yellowish-brown (10 YR 5/8), and reddish-brown (5 YR 5/4). Edwards chert.

25. Yarbrough-1ike. Axis of stem is at slight angle to axis of blade. Reddish-brown (2.5 YR 4/2 to 4/4) and outer edges are dusky red (10 R 3/4). Brownish interior is more subtly splotched with very pale brown (10 YR 7/4). Heat-treated. Possible Edwards, but definite source not certain.

26. Untyped blade of broken biface. Stem broken off. Completely encrusted with thick white to light gray patina dotted with orangish-red dots. Flake scars worn completely away. The “dotting” reflected on the surface may result from open

ends of palm straw, and be indicative of petrified palm wood source, but this is not a certainty.

27. Broken mid-section of untyped biface. Parallel flaking on blade is suggestive of Scottsbluff. Dark grayish-brown (10 YR 4/2) with scattered dots of dark gray. In broken cross-section, a gray (10 YR 5/1) Edwards matrix is revealed.

28. Large bifacial thinning flake. One edge exhibits retouch or use as cutting tool. Brownish-gray (10 YR 5/2) to light brownish-gray (10 YR 6/2) mottled with yellowish-red (5 YR 5/6) dots. Edwards.

29. Broken distal end of parallel flaked blade. Scottsbluff (?). Grayish-brown (10 YR 5/2) grading into weak red (2.5 YR 4/2). Edwards (?).

30. Broken mid-section of wide thin untyped biface. Dark grayish-brown (10 YR 4/2) to very dark grayish-brown high quality Edwards chert. Mottled spot on one edge of light gray (10 YR 7/2).

31. Bifacial thinning flake. Opaque light brownish-gray (10 YR 6/2) with gray quartz-filled well-healed fracture. Edwards chert.

32. Yarbrough. Completely coated with reddish-brown (10 YR 5/4) and very pale brown (10 YR 7/3) encrustation. Original material unobservable.

33. Broken distal end of biface. Very pale brown (10 YR 7/3) weathered to reddish-yellow (5 YR 6/6), very fine-grained quartzite. Possible Edwards, but source uncertain.

34. Severely resharpened Gary-like biface. Mottled very pale brown (10 YR 7/4), yellow (10 YR 7/6), brown (7.5 YR 5/4) with slight pinkish-tinge may be due to heat-treatment. Edwards.

35. Pelican. Plano-convex in cross section. Yellowish-brown (10 YR 5/4) mottled with light gray (10 YR 7/1) splotching. Weak red (10 R 5/3) on resharpened distal end. Very fine-grained quartzite. Source uncertain.

Jessie Fremont Collection

(Examined under Natural Light)

1. Large Marcos. Basic rock is beautiful dark gray (10 YR 4/1) chert that grades into mottled yellowish-brown (10 YR 5/4) and light yellowish-brown (10 YR 6/4). Small areas of light gray splotching. Reverse side reflects yellowish-brown

grading into yellowish-red (5 YR 5/6). Differences in colors from the opposing sides are attributable to differences in surface exposure. Edwards (?).

2. Ellis. Light gray (10 YR 7/2) weathered to light yellowish-brown (10 YR 6/6). Edwards chert.

3. Small grooved elongate maul. Battering exhibited on "hammer" end of maul. Made of hard, very dark brown (10 YR 2/2) hematite.

4. San Patrice preform (?). Grayish-brown (10 YR 5/2) weathered to yellowish-brown (10 YR 5/6) and splotching of reddish-brown (2.5 YR 4/4). Probably Edwards.

5. Unifacial hafted scraper with Yarbrough-like stem. Scraping edge is worn smooth, but other surfaces are heavily worn also. Dark brown (10 YR 4/3) with prominent yellow (10 YR 7/6) splotches. Edwards (?).

6. Godley-like, small dart point of reddish-black very fine-grained quartzite. The final tool form is made from an older and larger biface as evidenced by the thick weathered gray (10 YR 6/1) cortex. Seymour gravel quartzite (?).

7. Large flake scraper. Made of dark yellowish-brown (10 YR 4/4) to dusky red (10 R 3/2) and reddish-brown, and splotched with very pale brown. Cortex on dorsal surface. Edwards Gravel source.

8. Large decortication flake used as cutting/scraping tool. Splotchy dark grayish-brown (2.5 Y 4/2) to very dark olive green (2.5 Y 3/2). Distinctive silica cemented very fine-grained quartzite. Weathered to very dark gray (5 Y 3/1) and red (2.5 YR 5/6). Light gray to white cortex on dorsal side of scraper. Typical of chert from the Johns Valley Shale of the Ouachita Mountains.

9. Kent/ Yarbrough-like. Dark yellowish-brown (10 YR 4/4) to brown (10 YR 5/3). Cortex remnants of reddish-brown (5 YR 4/4). Edwards Gravel source.

10. Broken mid-section of large biface possibly used as another tool similar to Bristol Biface. Weak red (10 R 5/4) weathered on reverse side to subtly mottled reddish-gray (10 R 5/1). Resembles Florence chert without fossils. Distinctive minute grains. Source uncertain. Check further.

11. San Patrice. Multi-colored very fine-grained quartzite. Light grayish-brown (10 YR 6/2), weak red (10 R 5/2 to 5/4) and dusky red (10 R 3/2) splotching. Has a white chalky looking silica rind on one side. Dark gray silica cemented fractures and vug filling. Tecovas quartzite gravel.

12. San Patrice. Brownish-yellow (10 YR 6/6) to yellowish-brown (10 YR 5/6), with very pale brown splotching. Thin linear lines running diagonally across the blade give appearance of petrified wood grain, but the rock is orthoquartzite. Light gray silica “eyes” on both surfaces have appearance of crinoid stem cross sections. Source undetermined.

13. Broken blade of untyped large biface. Light brownish-gray (10 YR 6/2), pale brown (10 YR 6/3) and light yellowish-brown (10 YR 6/4). Weathered splotches of yellowish-brown (10 YR 5/8). Very fine grained silica cemented orthoquartzite with gray (10 YR 5/1) quartz-filled vugs; individual rounded and spicule-like quartz grains. Uncertain source, possibly Fisher quartzite.

14. Resharpened blade of Bulverde possibly Merrill-like dart point. Brownish-yellow (10 YR 6/6) to yellowish-brown (10 YR 6/4) quartzitic chert. Reddened distal tip and splotching on one face are indicative of heat-treatment. Possible Edwards or East Texas gravel source.

15. Blade of broken untyped biface (stem missing). Dark grayish-brown (10 YR 4/2) with curvate indistinct banding of dark reddish-gray (10 R 4/1) and outermost edge of pale brown (10 YR 6/3). Edwards chert.

16. Broken untyped biface blade. Stem and distal tip missing. Reddish-yellow (5 YR 6/8) and yellowish-red (5 YR 5/8) with dark grayish-red (5 YR 4/2) mottling. Has waxy luster. Same rock as No. 14 above. Cherty quartzite of indefinite source. Probably heat-treated as reflected in color and increased luster.

17. Flake blade used as scraper /knife. Brown (10 YR 5/3) to dark gray (10 YR 4/1) mottled with light gray (10 YR 7/2) splotches. Black cobble cortex on one end. Grading into the cortex area, the chert becomes more translucent with a dusky red (2.5 YR 3/2) color. Same phenomena observed in Edwards gravels. Apparently the weathering affects the brown chert by altering it to a more reddish color.

18. Decortication flake/scraper. Dark brown (10 YR 4/3) to brown (10 YR 5/3) and light yellowish-brown (10 YR 6/4). Opaque, with very small circular splotches of light gray (10 YR 7/2) sprinkled throughout. Dark yellowish-brown (10 YR 4/4) cortex on dorsal side. Minor red mottling on the cortex surface that appears to result from heat-treatment. Edwards gravel source.

19. Broken blade of untyped, strongly-shouldered biface. Dark brown (10 YR 3/3) to pale brown (10 YR 5/3) mottled quartzite. Cherty center, but grains increase in coarseness towards outer surface (as result of weathering?). East Texas gravel quartzite.

20. Broken distal end of untyped biface. The broken cross-section exhibits minor retouch. Pale brown (10 YR 5/3) and gray (10 YR 5/1) altered to mottled weak red (10 R 4/4) from heat-treatment or possibly from weathering. Edwards chert.

21. Palmillas/Kent/Yarbrough-like. Heavily worn and patinated with brown cortex-like patina. Dark gray (10 YR 4/1) very fine-grained quartzite. Concentric banding in cross-section is dull, dark yellowish-brown (10 YR 4/4). Typical of Queen City Sand gravels.

22. Edgewood. Blade resharpened into rounded scraper-like shape. Light yellowish-brown (10 YR 6/4) altered to yellowish-red (10 YR 4/6) with heat-treatment. Same yellow rock type as 14 above.

23. Fragment. White (10 YR 8/1) to gray (10 YR 5/1) Edwards.

24. Broken blade of shouldered and tapered stem (Gary-like?) biface. Very pale bluish-white novaculite (no good color match with available chips) with gray quartz-filled and well-healed hairline fractures. Light yellowish staining on one side may be indicative of inner pebble cortex.

25. Pebble of purplish-red quartzite like Seymour gravels.

26. Pebble of dark grayish red quartzite.

27. Large Wells/Yarbrough (?). Grayish-brown (10 YR 5/2) chert weathered/patinated to very pale brown (10 YR 7/4), light yellowish-brown (10 YR 6/4) and white/bluish-gray. Edwards.

28. Large broken drill. Same basic rock as 13 above. Quartzite. Tiny remnant of pebble cortex on one ear indicative of gravel source.

29. Yarbrough. Dark yellowish-brown (10 YR 4/4) subtly mottled to lighter shades of yellowish-brown. Dusky red (2.5 YR 3/2) at base of stem is indicative of heat-treatment. Initial formation of light gray patina on one side. Made of “yellow” quartzite like Nos. 13 and 28 from gravel sources.

30. Base and lower blade of large wide Dalton. Blade resharpened severely into rounded distal end. Distinctively mottled dark gray (2.5 YR N/4) with bluish cast. Well-rounded grains of light gray (10 YR 7/1) to light brownish-gray (10 YR 6/2) quartz embedded in dark gray (2.5 YR N/0) silica cement. Possible cross-sections of very small crinoid stems are present, but distinctions are difficult because of poor preservation. Weathered surface has light bluish-gray patina. Edges and surfaces of stem exhibit brownish weathering that does not appear to

extend very far onto the blade; staining from effects hafting (?). Good match with Weeping Water Creek, Nebraska.

31. Broken distal end of untyped biface. Dark yellowish-brown (10 YR 3/4) on one side; light yellowish-brown (10 YR 6/3) mottling with reddened distal tip. Possible heat-treatment (?). Edwards chert.

32. Broken blade of shouldered biface. Made of pale brown (10 YR 7/4) quartzite as evidenced from one small opening in patina. Completely encrusted with white chalky patina, but definitely quartzite.

33. Broken mid-section of untyped biface. Very dark grayish-brown (10 YR 3/2) with slight spots of light blue-gray. Edwards.

34. Eastern Clovis. Very dark grayish-brown (10 YR 3/2). Translucent on thin edges that are light yellowish-brown (10 YR 6/6) and subtle splotches of light brownish-yellow. Beautiful Edwards (?).

35. Dalton. Dark gray (10 YR 4/1) to dark grayish-brown (10 YR 4/2). Edwards.

H.J. (Joe) Louvier Collection

1. Refugio dart point. Worn and slightly patinated. Mottled in multiple shades of reddish- brown (5 YR 4/4), strong brown (7.5 YR 4/6) to very pale brown (10 YR 7/3), and light gray (10 YR 7/1) patina. Opaque. Tecovas chert.

2. Broken untyped biface fragment. Yellowish-brown (10 YR 5/4 to 5/6) to light gray (10 YR 7/2). Opaque with light gray blebs. Edwards.

3. Uvalde. Dark brownish-gray (2.5 Y 4/2) to olive brown (2.5 Y 4/4) with light gray (2.5 Y 7/2) splotching. Gives an illusion of translucency and waxy luster. Edwards.

4. San Patrice. Wide base with one corner of stem broken off. Siliceous fossil hash with silica cement and silica-replaced fossil fragments, mostly sponge spicules. Exhibits tiny quartz-filled vugs. Grades from reddish-yellow (7.5 YR 7/6), brownish-yellow (10 YR 6/6) to very pale brown (10 YR 8/2). Specific source unidentified.

5. Pelican. Yellowish-brown (10 YR 5/8) very subtly grading into brownish-yellow (10 YR 6/8). Light gray (10 YR 7/2) silica-cemented minute fractures and vugs. Edwards.

6. Decortication flake scraper. Very pale brown (10 YR 8/3) cortex on dorsal side. Light yellowish-brown (10 YR 6/4) subtly mottled with both lighter and darker shades of yellowish-brown. Edwards gravel identical to some of the 1-10 gravels collected west of the Colorado River.

7. hammerstone

8. hammerstone

9. Untyped, possibly Kent or Carrollton-like, but it has no basal grinding. Severely resharpened and shoulders rounded by rejuvenation. High quality, slightly translucent reddish-yellow (7.5 YR 3/6) to yellow-red (5 YR 5/8) unidentified chalcedonic chert, possibly Tecovas.

10. Yarbrough-1ike. Yellowish-brown (10 YR 5/6) to both darker and lighter shades. Gray (10 YR 5/1) silica-filled veins on one edge. Rock type grades from jasper on one face to fine-grained Tecovas quartzite on the other side.

11. Decortication flake scraper. Brownish-yellow (10 YR 6/6) to dark yellowish-brown (10 YR 4/6). Reddened on bulbed end from heat-treatment that also exhibits cortex remnant. Edwards gravel.

12. Decortication flake scraper. Opaque, strong brown (7.5 YR 5/6) to subtly mottled yellowish-brown (10 YR 5/8). Cortex remnant on dorsal side. Weathered Edwards chert similar to cobble collected by Scott in southeast edge of Austin. Edwards gravel.

13. Fairland (?). One ear broken off. Impact fracture on distal end. Reddish-yellow (7.5 YR 6/8) with light brownish-gray (10 YR 6/2) incompletely silicified blebs exposed on opposing sides of the blade. Slight reddening toward distal tip. Tiny red stained fossil-like spiculitic rods. Edwards (?).

14. Hell Gap or long-stemmed Pelican. Blade is severely resharpened. Basal grinding. Homogeneously colored very dense light yellowish-brown (10 YR 6/4) to brown (10 YR 5/3). No exact color match. Very fine-grained quartzite. Similar to, but denser than Tecovas comparative specimens. Compare Tecovas and Spanish Diggings specimens.

15. Lange-like. Very pale brown (10 YR 8/3) to white (10 YR 8/2) with brownish-yellow (10 YR 6/6) staining on higher surfaces of flake scars. Heat spall on one surface of stem, and one corner of stem broken off. Edwards chert.

16. Broken biface fragment. Pebble cortex. Very pale brown (10 YR 7/4) mottled (weathered) to darker dark yellowish-brown (10 YR 4/6) and lighter very pale brown (10 YR 8/2). Slightly fossiliferous chert identical to specimen 1-10 -3.

17. Untyped broken blade of biface. Light yellowish-brown (10 YR 6/4) Edwards.

Un.Fl. (unnumbered flake) exhibiting prismatic flake scar removal. Beautiful dark reddish-brown (5 YR 3/4) with splotches of yellowish-red (5 YR 5/6), semi-translucent Edwards chert.

Un.Fl. (unnumbered flake) like one above, but slightly redder shading. Beautiful material. Edwards.

18. Poorly made Ellis/Edgewood-like. Dark yellowish-brown (10 YR 4/4) to yellowish-brown (10 YR 5/6). Cortex remnant on one surface. Edwards gravel.

19. Broken mid-section of strongly-shouldered untyped biface. Yellowish-red (10 YR 4/6) heat-treated Edwards.

20. Palmer or Keithville variety of San Patrice. Stem is ground on base and in corner notches. One ear is broken off . Stem and lower blade on one side are reddened from heat-treatment. Brownish-yellow (10 YR 6/6) mottled with subtle splotches of very pale brown (10 YR 7/3) and yellow (10 YR 7/8). Edwards chert.

21. Blade of untyped biface, possibly San Patrice, with stem broken off. Pale brown (10 YR 6/3) mottled and stained to darker shades of yellowish-brown (10 YR 5/4) to dark yellowish-brown (10 YR 4/6). Edwards.

22. Yarbrough. Yellowish-brown (10 YR 5/6), weathered to very pale brown (10 YR 7/3) to white (10 YR 8/2). Cortex remnant on one surface of blade. Edwards gravel.

23. Broken distal end of untyped biface. Heavily worn; flake scars obliterated to large extent. Thick-bladed. Strong brown (7.5 YR 4/6) cortex. Original material unobservable. From gravel source.

24. Broken blade of untyped biface. One side exhibits slight degree of parallel flaking. Edges resharpened. Yellowish-brown (10 YR 5/4), very pale brown (10 YR 7/4) with slightly reddened surficial tinging, from heat-treatment (?). Edwards chert.

25. Scottsbluff. Dark yellowish-brown (10 YR 4/4 to 4/6) on one side. Other side is yellowish-brown (10 YR 5/6) with light gray (10 YR 7/2) splotching. Edwards.

26. Broken biface fragment. Flute scar retained on one side. Subtly mottled brownish-yellow (10 YR 6/6) to reddish-brown (5 YR 5/4). Initial stages of light gray splotched patina on side opposite the flute.

27. Large triangular-shaped decortication flake with crude retouch along edges. Basic rock was yellowish-brown (10 YR 5/6). Coarsely defined concentric banding to shades of dark gray (10 YR 4/1). Band beneath cortex remnant has glossy luster and is yellow (10 YR 7/6). Cortex remnant is dark yellowish-brown (10 YR 3/4). Chatter marks on cortex surface. Edwards gravel.

28. Broken mid-section of large untyped biface. Plano-convex in cross-section. Grayish-brown (10 YR 5/2) with slight light gray (10 YR 7/2) splotching. Opaque. Edwards.

29. Broken, probably uncompleted strongly shouldered untyped biface. Thick bodied, no retouch on edges. Yellowish-brown (10 YR 5/6) with slightly reddened surface from heat-treatment. Black staining on one side. Edwards.

30. Evans. Brownish-yellow (10 YR 6/8) with dark yellowish-brown (10 YR 4/4) cortex remnants on both sides of blade. Edwards gravel.

31. Large decortication flake scraper. Dark yellowish-brown (10 YR 4/4) heat-spalled and altered by heat-treatment to red (10 R 4/6). Edwards gravel.

32. Broken distal end of untyped biface. Light yellowish-brown (10 YR 6/4) to very pale brown (10 YR 7/4). Light gray (10 YR 7/2) well-healed quartz-filled vugs. Slightly reddish tinge on one side from heat-treatment (?). Edwards.

33. Half of a longitudinally-split small San Patrice (Keithville variety). Very pale brown (10 YR 7/4) mottled to shades of light reddish-brown (5 YR 6/4) from heat-treatment. A single fossil clast of turretella is visible on one side. Heavily worn, but not patinated. Edwards.

34. Small Edgewood/Frio-like dart point. Brown (10 YR 4/4) to strong brown (7.5 YR 5/6). Slight reddening on one side of stem. Dark gray cortex on other side. Edwards gravel.

35. Marshall. Barbs broken or removed as result of resharpening blade edges. Mottled pale yellow (2.5 Y 7/4), light gray (2.5 Y 7/2), to pinkish-gray (7.5 YR 7/2). Edwards.

36. San Patrice. Brownish-yellow (10 YR 6/6) mottled to brown (10 YR 4/3) and yellowish-brown (10 YR 5/6). Small light spots of typical Edwards splotching. Edwards.

37. Untyped, thick bodied, heavily-resharpened biface. Final form appears to result from attempts to re-stem the broken blade of a previously existing biface. Coarsely defined rounded out side notches. Worn flake scars. Dark reddish-brown (2.5 YR 3/4) to dark red (2.5 YR 3/6). Tiny spots of white encrustation on one corner of stem and on one side of blade. Original material obscured by heavy heat-treatment and wear. Appears to have been Edwards, but not a certainty.

38. San Patrice. Light yellowish-brown (10 YR 6/4) to very pale brown (10 YR 7/4). Small and subtle white to light gray silica-filled splotches. Edwards.

39. Palmillas. Light gray (10 YR 7/2) to light yellowish-brown (10 YR 6/4) to yellow (10 YR 7/6). Minute splotches of light gray and yellow (10 YR 8/6). Edwards.

40. Thick decortication flake. Yellowish-brown (10 YR 5/6) to brownish-yellow (10 YR 6/6). Edwards gravel. Dark yellowish-brown cortex on dorsal surface.

41. San Patrice. Yellowish-red (5 YR 5/6) to brownish-yellow (10 YR 6/6). Light gray splotching. Edwards.

42. Broken mid-section of untyped biface. Gray (10 YR 5/1) to dark reddish-gray (10 YR 4/2). White (10 YR 8/2) splotching. Edwards.

43. Big Sandy-like. Grayish-brown to brown (10 YR 5/2 to 4/3). Edwards.

44. Yarbrough (?). Pale brown (10 YR 6/3) weathered to very pale brown (10 YR 7/4) and yellow (10 YR 7/6) splotching. Gray silica-filled vugs. Edwards.

45. Bristol Biface or possibly thick flake scraper. Plano-convex in cross-section, with steeply beveled edges. Thin, lamellar banding in shades of grayish-brown (10 YR 5/2) and dark yellowish-brown (10 YR 4/4 and 4/6) give the rock the appearance of being petrified wood, but the rock is typical of Edwards cobbles and boulders near Evant, Texas and possibly elsewhere in the Edwards Plateau.

46. Base and lower blade of broken Plainview. Very high-quality dark gray (2.5 Y N4) grading subtly to reddish-brown (5 YR 5/4) to red (2.5 YR 4/6) on one corner of stem. Semi-translucent on thin edges. Pinetop (Ouachita Mts) or St. Joe (from flanks of the Ozarks) (?). Check both types for fluorescence.

47. Thick-bodied, severely resharpened Godley. Dark yellowish-brown (10 YR 4/4) with weathered splotching to brownish-yellow (10 YR 6/6). Edwards.

48. Broken untyped mid-section of biface. Brown (10 YR 5/3) to light brownish-gray (10 YR 6/2). Edwards.

49. San Patrice. Yellowish-brown (10 YR 5/4), very pale brown (10 YR 7/4) splotching. Edwards.

50. Broken blade of shouldered, probably contracting-stemmed (stem broken off slightly below the shoulder) Gary (?). Brownish-yellow (10 YR 6/6) to yellow (10 YR 7/8). Heavily worn siliceous oolite. Probably from gravel source, but cortex not present on this specific piece.

51. San Patrice. Very pale brown (10 YR 7/4) mottled to light reddish brown (5 YR 6/4). Light gray (5 YR 7/1) silica filling of vein-like splotches. Edwards.

52. Big Sandy-like. Thick, heavily resharpened. Brownish-yellow (10 YR 6/6) to light gray (10 YR 7/1), dark yellowish-brown (10 YR 4/4). Cortex remnant on base. Edwards gravel.

53. Ensor or, more likely, Palmer. Corner-notched with notches ground. Brown (10 YR 5/3) altered to red (2.5 YR 4/6) on lower blade and stem from heat-treatment. Quartzitic petrified wood.

54. Broken untyped mid-section of biface. Gray (5 Y 6/1) to light olive gray (5 Y 6/2) with white and light gray tiny splotches. Edwards.

55. Scottsbluff. with resharpened blade. Very pale brown (10 YR 7/4) to yellow (10 YR 7/6) with dark yellowish-brown (10 YR 4/4) small dots and white (10 YR 8/2) splotching beneath the cortex remnant near distal tip on one face of blade. Edwards gravel.

56. Broken distal end of untyped biface. Dark yellowish-brown (10 YR 4/6). Edwards.

57. Large bifacial thinning flake. Beautiful, semi-translucent on thin edges. Yellowish-red (5 YR 4/6). Good match with one of the Fremont Clovis points, and possibly from the same artifact. VHQ Edwards.

58. Lange (?). Severely resharpened blade. Heavily worn. Yellowish-red (5 YR 4/6). Possibly heat-treated. Siliceous oolite and toward distal end the oolites are cemented with white silica cement.

59. Broken distal end of untyped biface. Dark reddish-brown (5 YR 3/4), light gray (5 YR 7/1) splotching. Semi-translucent on thin edges. The broken cross-section exhibits unsuccessful attempt to re-stem the broken blade. Edwards.

60. Secondary flake. Yellowish-orange (yellowish red 5 YR 5/6) and very pale brown (10 YR 8/4). Broken graver tip on one edge. Edwards.

61. Palmillas. Light yellowish-brown original material, altered to dark red (10 R 3/6) and red (10 R 4/6) with heat-treatment. Quartzitic chert, fossil-like unidentifiable wisps. Edwards (?).

62. Broken distal-end of untyped biface. Very pale brown (10 YR 7/4 and 8/3) with weathered staining to light reddish-brown (5 YR 6/4). Well-worn flake scars. Edwards.

63. Broken distal end of untyped biface. Black (7.5 YR N/2) very fine-grained hematite. Flake scars heavily worn. Could be from any one of several different north-central, central, or east Texas sources, and probably from river gravels.

64. Elongate, severely resharpened, untyped biface. Edges flaked off to same width of slightly indented stem. Proximal end of stem is widest point. Flake scars worn off and heavily patinated (cortexed) with strong brown (7.5 YR 4/6) to dusky red (10 R 3/4) at base of stem. Original material unobservable.

65. Broken mid-section of untyped biface. Broken section exposes very dark gray (5 YR 3/1) interior. Flake scars worn off and encrusted with white (7.5 YR N/8) and red (2.5 YR 4/6) staining. Heat spall (pot lid fracture) on one side. Edwards (?).

66. Martindale-like or Edgewood (?). Barbs broken off. Reddish-yellow (7.5 YR 6/6) weathered to strong brown (7.5 YR 4/6). White, incompletely silicified blebs on one side of blade. Worn flake scars and broken distal tip. Edwards.

67. Big Sandy. Broken distal end. Broken cross-section is brown (7.5 YR 5/2) Edwards chert. All other surfaces thickly patinated with splotchy very pale brown (10 YR 7/4), grayish-brown (10 YR 5/2), and very dark grayish-brown (10 YR 3/2). Flake scars heavily worn, but still observable. Incredible ultraviolet fluorescence identical to artifact No. 208 of Tanner collection.

68. Broken distal end of untyped biface. Original material was reddish-yellow (7.5 YR 6/6) chert weathered and encrusted to very pale brown (10 YR 8/3). Edwards.

69. Palmillas-like. Splotchy yellow (10 YR 7/6), brownish-yellow (10 YR 6/6) and dark yellowish-brown (10 YR 4/4) with dark gray (10 YR 4/1). Severely resharpened, thick-bodied blade. Edwards.

70. Fragment of flake scraper. Yellowish-brown (10 YR 5/4) with reddish-brown (2.5 YR 5/4) and very pale brown (10 YR 8/3) splotching. Edwards.

71. hammerstone

72. Wells. Heavily resharpened thick blade. Very pale brown (10 YR 8/3 and 7/3) mottled and splotched with dots of grayish-brown (10 YR 5/2), gray (10 YR 5/6) and brown (10 YR 5/3). Edwards.

73. Broken blade of untyped shouldered biface. Stem missing. Yellowish-brown (10 YR 5/6) on one side and grayish-brown (10 YR 5/2) to light grayish-brown (10 YR 6/2) initial stages of patination on other side. Edwards.

74. Pointed flake scraper. Opaque, dark yellowish-brown (10 YR 4/6) to yellowish-brown (10 YR 5/6). Subtle concentric banding. Older flaked surface of light gray (10 YR 7/2) patina on dorsal side. Scraper made from older artifact? Edwards.

75. Palmillas-like. Yellow (10 YR 7/6) weathered to dark yellowish-brown (10 YR 4/6). Edwards.

76. Flake scraper. Chert-quartzitic chert texture. Pale brown (10 YR 6/3) quartzitic portion grades into finer-grained and more lustrous yellowish-brown (10 YR 5/6). Edwards chert.

77. Ensor. Light gray (10 YR 7/2) subtly mottled to light yellowish-brown (10 YR 6/4). Edwards.

78. Ellis. Dark yellowish-brown (10 YR 4/4) to strong brown (7.5 YR 5/6). Resharpened blade. Edwards.

79. Broken Gary (?). Heavily resharpened. No good color match; closest is yellowish-red (5 YR 4/6) and yellowish-brown (10 YR 5/8). Heavily worn. Siliceous oolite.

80. Edgewood (?). Base material is very pale brown (10 YR 7/3, 8/3) and white (10 YR 8/2). Weathered and heavily encrusted to brown (10 YR 5/3) and on other side to dark red (10 R 3/6). Edwards.

81. Broken blade of slightly barbed, untyped biface; stem missing. Made on large plano-convex flake, but the plano side's edges are steeply retouched also as biface. Yellowish-brown (10 YR 5/4) mottled to brown (10 YR 5/3) and splotched to very pale brown (10 YR 7/4). Reddened area of medial ridge of convex side suggests heat-treatment. Gray silica-cemented vugs. Edwards.

82. San Patrice. Light gray (10 YR 7/2) with white (10 YR 8/3) and yellow (10 YR 7/6) splotches. Reverse side slightly darker. Edwards

83. Broken and reworked Clovis (?). Flute scars retained on both faces of the blade. Dark bluish-gray; closest match is very dark gray (2.5 Y N3/) and subtle

concentric banding in lighter shades of gray and splotched white (2.5 Y N8). Made from Edwards nodule.

84. Kent/Woden. Unthinned stem with cortex at base. Thick-bodied from heavy resharpening. Worn flake scars. Dark yellowish-brown (10 YR 4/4) and yellowish-brown (10 YR 5/4). Edwards gravel.

85. Edgewood/Ellis. Brownish-yellow (10 YR 6/6) weathered to yellowish-red (5 YR 4/6) and red (10 R 4/6) staining. Heavily worn. Fossiliferous siliceous oolite; one cross-section appears to be a fusilinid, and tiny rings surrounding oolite spherules are red. Small cortex remnant on one side. Gravel source, possibly from Lampasas River.

86. San Patrice. Strong brown (7.5 YR 5/6), brown (7.5 YR 5/3) and reddish-yellow (7.5 YR 7/6). Made from large decortication flake; cortex remnant on most of one side of the blade which is curved and the concave side where the cortex is present is only about 2 mm thick. Light gray spots and splotches. Edwards gravel. Cortex is dark red, possibly from heat-treatment.

87. San Patrice (Keithville variety). Light gray (10 YR 7/2) grades into red (2.5 YR 4/6) and weak red (2.5 YR 4/2). Reddened areas have slight increase in luster. Heat-treated (?). Edwards chert.

88. Palmillas (?). Heavily resharpened blade. Heavily worn and patinated with reddish-yellow (5 YR 6/6) cortex. Original rock unobservable.

89. Palmillas (?). Resharpened blade. Thick-bodied. Brownish-yellow (10 YR 6/6). Crudely flaked. Edwards.

90. Kent (?). Original material appears to have been gray (10 YR 5/1) Edwards chert made from heat-treated preform. The blade reveals later rejuvenation. Higher surfaces of flake scars are reddened from heat-treatment.

91. Broken untyped blade of biface. Very pale brown (10 YR 7/3) to light yellowish-brown (10 YR 6/4) and reddish (2.5 YR 4/6) tinging from heat-treatment. Cortex remnant on one side, and heat fracture (pot lid) on other side. Edwards gravel .

92. San Patrice (Keithville variety). Basic rock was dark gray (2.5 YR N4/0) weathered to light red (2.5 YR 6/6) and light brownish-gray (10 YR 6/2). Tiny white dots in matrix. Marble Falls chert. Possibly from gravel although no cortex is present.

93. Yarbrough (?). Original material unobservable. Heavily worn and encrusted with yellow (10 YR 7/6) to white (10 YR 8/1) cortex.

94. Broken untyped biface. Very pale brown (10 YR 8/3) to white (10 YR 8/1) original material with gray quartz-filled, well-healed fractures. Reddened surfaces on both sides indicate heat-treatment, and stem reflects “fresher” flaking in attempt to re-stem an earlier and broken blade. Edwards.

95. Untyped biface. Yellowish-red (5 YR 4/4) to red (10 R 4/4). Severely resharpened blade. Heat-treated Edwards gravel. Cortex remnant on one side.

96. Untyped shouldered biface. Contracting-stemmed small point; blade broken in mid-section. All flake scars and edges worn smooth, but no patination. Dark reddish-brown (5 YR 3/2). Edwards. Tendency towards translucency on thin edges.

97. Marshall (?). Yellowish-brown (10 YR 5/6 to 5/8) with tiny white dots and splotches. Heavily resharpened blade. Flute-like flake scar on one side. Edwards.

98. Pelican. Heavily resharpened blade. Fresher flaking on edges reveals yellowish-brown (10 YR 5/6). All other surfaces weathered to yellowish-red (5 YR 5/8). Reddened ears are indicative of heat-treatment. Edwards.

99. Lange-like stem with resharpened blade. Gray (5 YR 5/1) to very pale brown (10 YR 7/3); heat-treated to red (10 R 4/6) on stem and one side of blade. Pot lid fracture on one side. Edwards.

100. Small Yarbrough. Light yellowish-brown (10 YR 6/4), brownish-yellow (10 YR 6/6) and light brownish-gray (10 YR 6/2). Edwards.

101. Dawson-like stem. Appears to have been retooled from an earlier broken biface blade. Strong brown (7.5 YR 4/6) with weak red (10 R 5/4) tinging. White and light gray tiny spots and splotches. High quality Edwards chert.

102. Fairland/Ensor-like. Resharpened blade. Reddish-yellow (5 YR 6/6) to yellowish-red (5 YR 5/6) with gray (5 YR 5/1) bleb on one edge of stem. Edwards.

103. Untyped, shouldered, expanding-stemmed biface. Blade broken above shoulder. Flake scars worn off and completely covered with thick pebble-like cortex. Yellowish-red (5 YR 5/6). Break across the blade exhibits the same degree of cortex patination. Original material unobservable.

104. Broken blade of untyped biface. Brown (7.5 YR 5/4), splotched with pinkish-gray (7.5 YR 6/2) to dark gray (7.5 YR N4/). Unidentified chert, possibly weathered Edwards gravel, but no cortex is present.

105. Broken blade of untyped biface. Distal tip and stem missing. Reddish-yellow (7.5 YR 7/6) with strong brown (7.5 YR 4/6) and dark brown (7.5 YR 4/2) cortex. Edwards gravel.

106. Unshouldered Pelican (?). Made of high-quality petrified wood. Color of dark brown (7.5 YR 4/4) to strong brown (7.5 YR 5/8). Semi-translucent.

107. Broken Pelican. Base of stem broken off. Brown (7.5 YR 5/2) to reddish-yellow (7.5 YR 6/6) Edwards.

108. Broken blade of untyped biface. Light brownish-gray (2.5 YR 6/2), olive gray (5 Y 5/2) mottled to reddish-yellow (7.5 YR 6/6) and pinkish-gray (7.5 YR 7/2). Gray (7.5 YR 5/1) quartz-filled vugs, and small white round splotches. Edwards.

109. San Patrice. Light olive gray (5 Y 6/2), light brownish-gray (2.5 YR 6/2) weathered to strong brown (7.5 YR 5/6). Dark gray quartz-filled and well-healed fracture. Tiny white and light gray splotches. Edwards.

110. Kent/Yarbrough-like. Beautiful reddish-yellow (7.5 YR 7/6) shading into strong brown (7.5 YR 5/6). Almost waxy luster and semi-translucent on thin edges. Honey-colored chert from north-central Texas, possible Edwards, but not a certainty.

111. Very well-made San Patrice/Pelican (?). Yellow (10 YR 7/6) with weathered cortex remnants on both faces of dark yellowish-brown (10 YR 4/6). Edwards gravel.

112. San Patrice. Reddish-yellow (7.5 YR 6/6 to 7/6). Cortex completely obscuring original material. Flake scars worn off. Unidentifiable.

113. Broken distal end of untyped biface. Reddish-yellow petrified wood reflected in "fresh" crude flakes on both edges. Dark brown (7.5 YR 4/4) cortex on both faces and in broken cross-section. Original artifact was broken and distal end, weathered with cobble-like cortex, and then edges were later reflaked from the earlier blade.

114. Yarbrough. One side is light brownish-gray (10 YR 6/2) with "dull" luster. Other side is darker; brown (10 YR 5/3) and dark brown (10 YR 4/3). Dull quartzitic chert. Contains both open and quartz-filled vugs. Gives appearance of dull well-indurated siltstone, but one "fresh" flake on one edge reveals grayish-

brown (10 YR 5/2) quartzitic chert. Poor quality of Edwards gravel identical to materials at Acme clay-pit near McQueeny, Texas.

115. Scraper. Light gray (7.5 YR N7/0) to white (7.5 YR N8/0) slightly mottled. Edwards.

116. Broken base of Scottsbluff, but lacks basal grinding. Broken above the shoulder. Gray (10 YR 5/1) mottled light gray (10 YR 6/1). Edwards.

117. San Patrice. Strong brown (7.5 YR 5/6) to reddish-yellow (7.5 YR 7/6). Very dense quartzite. Well-healed quartz-filled fractures. Tecovas.

118. Broken San Patrice. Light brown (7.5 YR 6/6) on fresh break across blade. Weathered to strong brown (7.5 YR 5/6) tinged with red on edges and one ear. Edwards.

119. San Patrice. White (10 YR 8/2) Fisher quartzite. Reddened surfaces on both faces of blade are indicative of heat-treatment..

120. Broken distal end of untyped biface. Light gray (5 Y 7/2) on fresh break. Weathered to strong brown (7.5 YR 5/6) cortex. Pebble cortex on one surface. Siliceous oolite. Typical of Cotter formation, NE Oklahoma, NW Arkansas. Interesting comparison to the other yellow siliceous oolites at McFaddin.

121. Plainview. Red (10 R 4/6) weathered and splotched to pale red (10 R 6/4) and reddish-yellow (5 YR 7/6). Fossiliferous (unidentified sponge and fossil ghosts). Opaque, unidentified (but possibly Edwards) chert.

122. Broken Perdiz arrowpoint. Mottled light brown (7.5 YR 6/4) to very pale brown (10 YR 8/3) patina. Edwards.

123. Dalton. Original material on one side is very dark gray (7.5 YR N3/0) to light gray (5 YR 6/1). Other side weathered to light reddish-brown (2.5 YR 6/4) to light red (2.5 YR 6/6). Possibly heat-treated. The dark gray side has round, white, and incompletely silicified blebs on weathered surface. Resharpening of the blade appears to have taken place after heat-treatment, and blade broken at same time of rejuvenation. Edwards.

124. Wells/Dawson-like. Pale brown (10 YR 6/3) weathered to light yellowish-brown (10 YR 6/4). Other side is yellowish-brown (10 YR 5/6). Edwards.

125. Dalton (?). Base of stem and one side of stem broken off. Light yellowish-brown (10 YR 6/4). Edwards.

126. Mid-section of broken untyped biface. Beautiful multi-colored red (10 R 4/6), dark yellowish-brown (10 YR 4/4), very dark gray (10 YR 3/2) petrified wood. Thin, well-made point.

127. Wells. Brown (10 YR 5/3) to weak red (2.5 YR 4/2), good quality petrified wood.

128. Kent-like; short rectangular stem, strongly shouldered. Reddish-yellow (7.5 YR 7/8) with strong brown (7.5 YR 5/6) cortex on one face of blade. Edwards gravel.

129. Flake of reddish-yellow (7.5 YR 7/6) Edwards chert.

130. Large Motley with severely resharpened blade. Gray (10 YR 5/1) with white internal splotching. Edwards.

131. Yarbrough. Resharpened blade. Yellow (10 YR 8/8) weathered staining to brownish-yellow (10 YR 6/6). Cortex remnant of yellowish-brown (10 YR 5/8). Edwards gravel.

132. Broken (distal?) end of untyped biface. Dark yellowish-brown (10 YR 3/6), homogenous coloration. White (10 YR 8/2) patina development on one side. Edwards.

133. Large rectangular, slightly expanding-stem, untyped biface. Blade edges severely resharpened to thick edges in contrast to the edge angles on the stem. Barbs or shoulders that may have been present originally, have been removed by the rejuvenation. Slightly mottled gray (2.5 Y N5/0) to light gray (2.5 Y 7/2). Edwards typical of the Georgetown locality.

134. hammerstone.

135. Untyped, strongly-shouldered and roughly rectangular stemmed biface. Strong brown (7.5 YR 5/6) to reddish-yellow (7.5 YR 6/6). Subtle light splotching. Moderately worn flake scars. Edwards chert.

136. Untyped biface fragment, distal end. In broken cross-section chert is grayish-brown (10 YR 5/2). All other surfaces are dark reddish-gray (10 R 4/1) to dusky red (10 R 3/6) from heat-treatment or burning. Pot lid fractures on both faces. Edwards.

137. Gary. One shoulder broken off. In “fresh” break chert is gray (10 YR 5/1). All other surfaces slightly lighter and mottled in shades of light gray (10 YR 7/l to 7/2) and splotches of very pale brown (10 YR 7/3). Edwards.

138. Possibly Palmer, but notching is more of side-notch than from the corner and the notching appears to have been added to a larger broken distal end of another biface made from a decortication flake. Cortex remnant is on one side of blade. Yellowish-brown (10 YR 5/4) with slightly reddish tinge (from heat-treatment?). Edwards gravel.

139. Epps or Motley. Dark grayish-brown (10 YR 4/2). Weathered surfaces altered to yellowish-red (5 YR 4/6) and reddish-brown (5 YR 4/4). Small impact fracture at distal tip exhibits very pale brown (10 YR 7/4) color. Probably heat-treated. The biface also exhibits unusual narrow, longitudinal flakes from base of the stem into the lower portion of the blade. Edwards chert.

140. Yarbrough (?). Grayish-brown (10 YR 5/2) weathered and mottled to light gray (10 YR 7/2) to very pale brown (10 YR 7/3). Edwards.

141. Hafted (side notched) unifacial flake scraper. Plano-convex. Cortex on dorsal side. Interior portion of the ventral side is very pale brown (10 YR 7/4) to light yellowish-brown (10 YR 6/4). Edges and dorsal side are reddish-brown (2.5 YR 4/4) from heat-treatment. Edwards gravel.

142. Broken mid-section of large untyped biface. One end (distal?) had been converted to a drill and drill bit then broken off. The opposing sides of the blade are different colors; first, pale brown (10 YR 6/3) mottled to shades of yellowish-brown (10 YR 5/6) to strong brown (5 YR 4/6). Second side, reddish-brown (10 YR 4/3), brown (10 YR 5/3), and dark reddish-brown (2.5 YR 3/4). Cortex remnant on one side and at opposite end of drill bit. Two flakes on opposing faces expose dusky red (2.5 YR 3/2) and grayish-red interior. Edwards.

143. Large flake blade converted to biface, or possibly even made from an earlier biface. Base of stem is unthinned although attempted thinning is evident on one side, which was abandoned because of a bad fracture. The artifact exhibits differences in “freshness” between flake removals exhibited on opposing faces. The ventral side reflects older patina. Original chert is reddish-brown (5 YR 4/3) weathered to light gray (5 YR 6/1), splotched with spots of very pale brown (10 YR 8/3) and yellow (10 YR 7/6). Edwards.

144. Yarbrough. Very pale brown (10 YR 8/4) weathered and mottled to brownish-yellow (10 YR 6/8), grayish-brown (10 YR 5/2) and yellowish-red (5 YR 5/8). Cortex remnant at base of stem. Edwards gravel.

145. Hafted scraper made on unifacial stem shaped like Dalton or Johnson stem. Scraping end is bifacially flaked like so many of the Johnson-type scrapers. White (10 YR 8/2) to light gray (10 YR 7/2) and very pale brown (10 YR 7/3). Dorsal side is darker reddish-brown (5 YR 5/4) and very pale brown (10 YR 7/3).

Fossiliferous chert; Turritella clast only identifiable type. Others are white maciated fragments. Good match with Oil Creek-Joins or Lowrance chert from Arbuckle Mountains.

146. Broken blade of large untyped biface. Brownish-yellow (10 YR 6/6) to pale brown (10 YR 6/3). Tiny light gray splotching. Edwards.

147. Delhi (?). Large biface. "Fresh" flake on one shoulder exhibits dark gray (10 YR 4/1) quartzitic sandstone (quartzite) from the Jackfork or Stanley Shale of the Ouachita Mountains. Other surfaces weathered to dark grayish-brown (10 YR 4/2) to yellowish-brown (10 YR 5/4) and very pale brown (10 YR 7/4). The weathering and wear also gives the rock a false appearance of being finer-grained and chert.

148. Broken Gary (distal end broken off). Reddish-yellow (7.5 YR 7/6 to 7/8). Arkansas Novaculite. Surfaces are worn and slightly weathered. The weathering gives an illusion of slight translucency that is atypical of novaculite.

149. Unifacial flake scraper shaped roughly like a shark tooth. Made from decortication flake from edge of a pebble. Cortex retained around the proximal end and on both faces. Flaking occurred only on one side. Dark gray (10 YR 4/1) and dark grayish-brown (10 YR 4/2). Edwards gravel.

150. Decortication flake used as scraper on one edge. Brownish-yellow (10 YR 6/6) weathered to reddish-yellow (7.5 YR 6/8). Cortex remnant on one edge. Quartzitic chert. Edwards gravel.

151. Rectangular-stemmed, resharpened blade, untyped biface. Resembles Carrollton with shoulders reduced by blade rejuvenation. White, light gray mottled petrified wood. Weathered and stained to reddish-yellow (7.5 YR 6/6). Dark gray cortex remnants on both faces.

152. Broken very well-made Marcos. Broken above shoulders. Grayish brown (2.5 Y 5/2) in "fresh" break across blade. Surfaces weathered to light olive brown (2.5 Y 5/4) and very pale brown (10 YR 7/4). Edwards.

153. Yarbrough (?), basally unthinned like Woden. Grayish-brown (10 YR 5/2), higher surfaces of flake scars on one side weathered to yellowish-brown (10 YR 5/4). Edwards.

154. Broken distal end of untyped biface. White (10 YR 8/1) and whiter. Slight staining of very pale brown (10 YR 8/4) to yellow (10 YR 8/5). Interior break is white (10 YR 8/1). Flake scars worn off of one side. Edwards.

155. Broken distal end of untyped biface. Brown (10 YR 4/4) high-quality Edwards chert, with pinkish-white (7.5 YR 8/2) splotches.

156. Broken untyped biface. Shoulders removed by resharpening, and stem is broken off. Very pale brown (10 YR 7/4 to 8/4) with dark grayish-brown (10 YR 4/2) dots and splotches. Edwards.

157. Palmillas. White (2.5 Y 8/2) with reddish-yellow (7.5 YR 7/6) splotching from weathering. Light gray internal splotches. Edwards.

158. Broken distal end of untyped biface. From the edge of the break, the blade was spalled and thinned toward the distal tip, and a Clifton-like stem was added to the thinned area of the spall. Light yellowish-brown (10 YR 6/4) with worn distal tip of reddish-brown (5 YR 5/4). Flake scars worn and slightly polished. Dense, very fine- grained, unidentified quartzite.

159. Broken Epps. Angled break across blade above the shoulders exhibits retouch and the distal tip is worn and possibly used as a graver. In "fresh" break the rock is reddish-yellow (7.5 YR 7/6). Surface on one side weathered to yellowish-red (7.5 YR 5/6). Dark brown (7.5 YR 3/2) cortex remnant on reverse side. Edwards.

160. Yarbrough. Thick-bodied, resharpened blade. Brownish-yellow (10 YR 6/6) to yellowish-brown (10 YR 5/6). Tiny dots of dark yellowish-brown (10 YR 5/8) sprinkled sporadically. Gray quartz-filled vugs and a single white fossil (sponge?) present on one side. Edwards.

161. Fairland. Resharpened blade. Yellowish-brown (10 YR 5/6) to dark yellowish-brown (10 YR 4/6). Tiny darker rod-like fossil fragments sprinkled in matrix. Edwards.

162. Fairland. Resharpened blade. Reddish-yellow (7.5 YR 6/6 to 7/6) altered to reddish-brown (5 YR 5/4) and red (2.5 YR 4/6) through heat-treatment. Subtle light gray internal splotches. Edwards.

163. Broken fragment of untyped biface. Yellow (10 YR 7/6) to brownish-yellow (10 YR 6/6). Other side weathered to reddish-yellow (7.5 YR 6/6). Light gray internal splotching. Edwards.

164. Broken untyped biface fragment. Impact fracture on distal tip. Brownish-yellow (10 YR 6/6) to yellowish-brown (10 YR 5/8). Light gray internal splotching. Edwards.

165. Unifacial flake scraper made from prismatic blade. Has burin-like graver tip in center of the widest broken edge. Very dark gray (10 YR 3/1) on ventral side.

Weathered to dark yellowish-brown (10 YR 4/4) on dorsal side. Differences in color may have resulted from concentric banding (weathering) of nodule. Very high quality Edwards chert.

166. Severely resharpened, thick-bodied, nubbed Edgewood. Broken shoulder and one corner of stem. Strong brown (7.5 YR 5/6) to brown (7.5 YR 4/4). Incompletely silicified blebs of white limestone surrounded by dark gray concentric "eyes", and internal light gray splotching. Possible fossils (unidentifiable) on one side of stem. Edwards.

167. Blade of small untyped biface. Stem broken off. Light brown (7.5 YR 6/4) to brown (7.5 YR 5/4) and reddish-yellow (7.5 YR 7/6). One white circular bleb of unsilicified limestone on one side. Edwards.

168. Broken, stem and lower blade of Williams-like biface. Heavily worn and patinated. Original material obscured, but under microscope, the internal light gray splotching so typical of Edwards is observable. Even the break across the blade is heavily patinated. Weathered surfaces are reddish-yellow (7.5 YR 6/6), brown (7.5 YR 5/6) and strong brown (7.5 YR 5/6). Possible Edwards.

169. Broken distal end of untyped biface. Distal tip broken off also. Thick-bodied. Pale brown (10 YR 6/3) in "fresh" break. Surfaces weathered to yellowish-brown (10 YR 5/4 and 5/6). Edwards.

170. Broken untyped biface. One corner of expanding stem broken off. Marcos (?). Reddish-brown (5 YR 4/4) to dark reddish-brown (5 YR 3/2). Worn flake scars. Edwards.

171. Ellis-like. Yellow (10 YR 7/6) mottled to yellowish-brown (10 YR 5/6). Healed, quartz-filled fracture at angle across the blade gives appearance of petrified wood grain, but it is Edwards chert.

172. Untyped biface with severely resharpened blade. Small, slightly tapered, rectangular stem. Blade is reflaked with almost oblique technique with thick-bodied, almost diamond-shaped cross-section. Original material appears to have been very dark gray (5 YR 3/1) altered by weathering to mottled brown (10 YR 5/3), yellowish-brown (5 YR 5/4), and dark yellowish-brown (10 YR 4/8). Edwards chert.

173. Broken distal tip of untyped biface. Light yellowish-brown (10 YR 6/6) weathered to dark yellowish-brown (10 YR 4/6). Internal light gray splotching. Edwards.

174. Gary/Woden. Pebble cortex at base of the unthinned Gary-like stem. From the rock exposed in a single small flake on one side, the rock is dark gray (7.5 YR

N4/0) Edwards chert. All surfaces weathered and highly-mottled pinkish-gray (5 YR 6/2 to 7/2) to weak red (2.5 YR 4/2). Edwards gravel.

175. Large bifacial thinning flake from preform. Retouch along one edge. "Fresh break" on one edge exhibits brown (10 YR 5/3) Edwards chert. Surfaces weathered to highly-mottled light brownish-gray (10 YR 6/2), light gray (10 YR 7/2), and reddish-brown (5 YR 4/4) Edwards.

176. Broken stem of large, thin, beautifully flaked Scottsbluff. Dark yellowish-brown (10 YR 4/4 to 4/6) with one corner weathered on both faces to white (10 YR 8/1) and splotches of yellow (10 YR 7/6). Edwards.

177. Broken distal end of untyped biface. Completely encrusted with white to very pale brown (10 YR 8/2) splotched with yellow (10 YR 6/4). Material type unobservable.

178. Broken Darl (?). Beveled blade. Dark brown (10 YR 4/3) to brown (10 YR 5/3) weathered to very pale brown (10 YR 6/3) and light yellowish-brown (10 YR 6/4). Edwards.

179. Large, wide Dalton with severely resharpened blade. One ear is broken off of the stem. White (10 YR 8/1) Edwards chert with lower base of stem exhibiting weak red (10 R 5/4) and red (2.5 YR 4/6) from heat-treatment. Weathered to splotched yellowish-brown (10 YR 5/4). Edwards.

180. Flake scraper. Strong brown (7.5 YR 5/6) to reddish-yellow (7.5 YR 6/6). Internal light gray splotching. Edwards.

181. Edgewood. Strong brown (7.5 YR 5/6) with pinkish-white (7.5 YR 8/2) mottling. Internal light gray splotching. Luster results from beach wear. Edwards.

182. Broken mid-section of large untyped biface. One fluted end (proximal?) was resharpened into rounded stem or drill-like blade, and then was broken again. "Fresh" break is light brownish-gray (10 YR 6/2). Surfaces are grayish-brown (10 YR 5/2) to yellowish-brown (10 YR 5/4). Edwards.

183. Yarbrough with resharpened stem. Strong brown (7.5 YR 5/6 to 4/6). Internal light gray splotching. Edwards.

184. Decortication flake blade scraper. Yellowish-brown (10 YR 5/4) with darker mottling of (10 YR 4/4). Light gray (10 YR 7/2) cortex on one end of dorsal surface. Edwards gravel.

185. Depleted core/preform. Very pale brown (10 YR 7/3) mottled to light yellowish-brown (10 YR 6/4), brown (10 YR 5/3). Quartz-filled vugs. Edwards.

186. Darl with unusual deep longitudinal flake scars emanating from distal tip into blade and hinging-off slightly above shoulder. Beveled blade. Mottled yellowish-brown (10 YR 5/4) to reddish-brown (2. 5 YR 4/4) on both faces. One side reflects blade flaking from an earlier and more heavily weathered surface. Edwards.

187. Yarbrough. Light yellowish-brown (10 YR 6/4). Edwards.

188. Untyped biface. Appears to result from re-stemming of an earlier broken distal end of biface. Stem is formed on crescent-shaped spalled surface, and retouch is reflected on inside of the crescent. Light gray (10 YR 7/1) weathered to very pale brown (10 YR 7/4) and white (10 YR 8/2). Edwards chert.

189. Fairland/possibly small Dalton/Meserve. Has beveled blade and slightly eared stem. Made of light gray (10 YR 7/2) chert dotted with splotches of pale brown (10 YR 6/3). Edwards.

190. Broken blade of shouldered untyped biface. Stem broken off at thickest section of blade. Brown (10 YR 5/6) and dark yellowish-brown (10 YR 4/6). Cortex remnant on one side is dusky red (10 R 3/4) and area surrounding cortex remnant is slightly reddened suggesting heat treatment. Petrified wood.

191. Perforated roundish pendant of thin fine-grained quartzite. Dark reddish-gray (10 R 4/6) weathered surface, but grains are lighter colored pinkish-gray (7.5 YR 7/2). Bi-conically drilled, but mostly from one side.

192. Broken untyped biface, possibly small preform, or attempted re-stemming of larger broken biface. Strong brown (7.5 YR 5/8) with lower portion slightly darker brown (10 YR 3/4) and subtle band of dark brown (10 YR 4/2) across blade. Tiny dark-colored dots sprinkled throughout matrix. Edwards.

193. Edgewood/Fairland (?) with blade heavily resharpened. Strong brown (7.5 YR 5/6). Edwards.

194. Edgewood (?). Blade totally removed by resharpening to a nub. Weathered reddish-yellow (7.5 YR 6/6 to 6/8). Edwards.

195. Midland/Plainview. Identical rock to specimen No. 208 in Tanner collection. Ultraviolet comparisons to weathered portion of Weeping Water Creek chert are very similar. Differences possibly occur as a result of salt-water weathering.

196. Large Yarbrough or resharpened Lange. Very pale brown (10 YR 8/3) mottled to very pale brown (10 YR 7/4) and light yellowish-brown (10 YR 6/4). Edwards.

197. Big Sandy. Basic material is strong brown (7.5 YR 5/6) mottled and weathered to brownish-yellow (10 YR 6/6), grayish-brown (10 YR 5/2), yellowish-brown (10 YR 5/6), and reddish-yellow (5 YR 6/6). Edwards.

198. Evans. Break angled across the blade removing one of the notches. Heavily worn and patinated. "Fresh" break in cross-section is pale brown (10 YR 6/3). Surfaces weathered to reddish-yellow (10 YR 6/6) and pinkish-white (5 YR 8/2). Edwards.

199. Untyped non-shouldered biface. Made on large flake blade. Ventral flaked along edges and rudimentary stem. Dark reddish-gray (5 YR 4/2) cortex remnant on dorsal side, and reddened area around cortex suggests heat-treatment. Quartz-filled vugs and very slight splotching. Edwards gravel.

200. San Patrice (Keithville variety). Strong brown (7.5 YR 4/6 to 5/6). Worn and heavily patinated. Interior rock is pale yellow (2.5 Y 8/4) petrified wood with grain axis aligned at right angles to axis of the blade.

201. Godley/Yarbrough (?). Small biface with resharpened blade. Has unusual longitudinal flakes removed from the distal tip extending onto the face of the blade. Light brown (7.5 YR 6/4) weathered to strong brown (7.5 YR 5/6) with white incompletely silicified blebs on one surface. Edwards.

202. Dalton (remodified). Impact fracture occurred from the distal tip, and then the blade was resharpened, and the stem was modified on one edge and at the base. Grayish-brown (10 YR 5/3) weathered to yellowish-brown (10 YR 5/4), light gray splotching. Edwards.

203. Artifact missing.

204. Fairland, but with beveled blade. Light gray (10 YR 7/2) mottled on stem to very pale brown (10 YR 7/3) and yellow (10 YR 7/6). Grayish-brown splotching on notch on one side. Edwards.

205. Williams. Mottled white (5 Y 8/2), light gray (2.5 Y 7/2) to very pale brown (10 YR 7/3). Edwards.

206. Elam. Yellow (10 YR 8/6) with yellowish-brown (10 YR 5/6) cortex remnants on both sides of the resharpened blade. Edwards gravel.

207. Broken Scottsbluff. Blade resharpened with distal end rounded to scraper-like edge. Brownish-yellow (10 YR 6/6) with white splotches. Reddened base of the

stem is indicative of heat-treatment. Cortex remnant at one corner of the stem. Is the reddening from chemical weathering of the cobble, or from heat-treatment, or both? Edwards gravel source.

208. Big Sandy (?). Severely resharpened blade. Not as well made as most Big Sandy points, but the modification may have been done much later by other people. Cortex remnants on both faces. Chert is strong brown (7.5 YR 5/6). Cortex is dark brown (7.5 YR 3/4). Worn flake scars. Edwards gravel.

209. Most similar to Early Stemmed Lanceolate in outline, but it lacks basal grinding. Untyped. Light brownish-gray (10 YR 6/2) to light gray (10 YR 7/2) with white (10 YR 8/2) incompletely silicified limestone bleb on one side of blade. Blade is broken near distal end. Dark gray quartz-filled fracture. Edwards.

210. Dalton. Dark gray (10 YR 4/1) with minor light gray splotching. Edwards.

211. Large crudely-flaked Bulverde-shaped rectangular-stemmed dart point. Thick and poorly made; possibly because of raw material. Brown (7.5 YR 5/4) fossiliferous, vuggy chert. Fossils are nodosaria-like and sponges. Vugs tend to be open and quartz-lined. Light gray splotching and coating on one side. Quartz-filled, well-healed fracture across the blade that did not inhibit flaking. Edwards; probably from gravel though no cortex is present. Stream rolling would have reduced fractures and flaws to minimum significance for flaking.

212. Untyped broken distal end of strongly-beveled biface (Darl?). Thin blade. "Fresh" break exhibits gray (10 YR 7/1) Edwards chert. All other surfaces weathered to dark yellowish-brown (10 YR 4/4). Fluorescence is dramatically different between the rock exposed in the break (yellow) and the weathered surfaces (no fluorescence). This serves as a precaution to using fluorescence without discrimination.

213. Preform. Original rock exposed in center is pale blue-gray (nearest color match is light gray 2.5 Y N7/). Outer portions weathered to pale brown (10 YR 6/3). Edwards, and probably from gravel.

214. Ensor. Distal end is broken. In "fresh" break rock is dark bluish-gray (best match 7.5 YR N5/) with light gray splotching. All other surfaces weathered to light gray (10 YR 7/2) and pale brown (10 YR 6/3). Rust-colored splotches occur on higher edges of flake scars on both sides. Edwards.

215. Marshall. Gray (10 YR 6/1) with pin-point-sized dots and small rod-like spots of dark brown (10 YR 3/3). Quartz-filled vug on one side. Edwards.

216. Palmillas. Weak red (2.5 YR 4/2), reddish-gray (5 YR 5/2) to gray (5 YR 5/1). Edwards.

217. Yarbrough. Dark gray (10 YR 4/1) splotched with pale brown (10 YR 6/3). Edwards.

218. Untyped biface fragment. Base of stem and distal end missing. Tremendous impact fracture extending into blade from distal end to the shoulder-stem contact. Very dark gray (10 YR 3/1) with tiny brown splotching. Edwards.

219. Fragment of large flake blade. "Fresh" break is very dark gray (10 YR 3/1) Edwards-looking chert, but the surfaces on both sides reflect petrified wood grain. Doesn't fluoresce. Petrified wood with very fine flaking along one edge.

220. Big Sandy. Yellowish-brown (10 YR 5/6) with white to light gray splotching. One quartz-filled vug on one side. Edwards.

221. Marcos (?) with tapered Afton-like distal end of blade. Very dark gray (10 YR 3/1) to dark gray (10 YR 4/1). Weathered at distal tip to pale brown (10 YR 6/3). Fossiliferous with numerous white spiculitic masses and individual spicule-like features. Wreford Chert from Flint Hills of Kansas is best match. Does not fluoresce.

222. Woden. Blade resharpened. Yellow (10 YR 7/6) mottled and weathered to reddish-brown staining. Dark yellowish-brown (10 YR 5/4) cortex at base of unthinned stem. Edwards gravel.

223. Friley arrowpoint. Reddish brown (5 YR 4/4) chert. No positive identification, but it is typical of gravels from Queen City Sand Formation of East Texas.

224. Large flake of high-quality petrified wood. Reddish-gray (5 YR 5/2) to light yellowish-brown (10 YR 6/4), and very pale brown (10 YR 6/3) .

225. Ellis. Reddish-yellow (7.5 YR 6/8) to brownish-yellow (10 YR 6/8). Light gray to white splotching. Pure white silica-lined depression and vugs. Faint concentric banding is visible on one side of stem and edge of the blade. Unidentified (possibly Edwards) gravel source.

226. Morrill. Weak red (10 R 4/3 to 5/3). Uniformly colored and textured. Microscopic tiny red dots like Edwards, some splotching. Slight luster. Best guess is very well heat-treated Edwards.

227. Godley (?). Reddish-yellow (7.5 YR 6/6) to brown (7.5 YR 5/4) to light yellowish-brown (10 YR 6/4). Light gray splotching. Edwards.

228. Plummet. Black (10 YR 2/1) diorite. Slightly notched wedge-shaped ends. An aborted perforation in center on one side. Check further for source. Hot Springs?

229. Large thick, severely resharpened Morhiss (?) or Lange (?). Very dark gray (10 YR 3/1) chert. Marble Falls is best match.

230. Evans. Stem broken off. Brownish-yellow (10 YR 6/6) weathered to yellowish-brown (10 YR 5/6). Light gray (10 YR 7/1) to reddish-gray (10 R 6/1) patina forming on one side. Tiny light gray internal splotching. Edwards.

231. Epps. Severely-resharpened blade. Pale brown (10 YR 6/3) to weathered dark yellowish-brown (10 YR 4/4). Dark brown (10 YR 3/3) cortex remnant on one corner of stem. Edwards gravel.

232. Shares similarities to small Fairland dart point and to large Haskell arrowpoint (?). Very dark gray (2.5 YR N3/0). Tiny spicule-like rods. Opaque even on thin edges. Badly heat-spalled. Ouachita Mountain source, Stanley group; Wesley Formation.

233. Epps. Yellowish-brown (10 YR 5/6), dark yellowish-brown (10 YR 4/6) to strong brown (7.5 YR 5/6) splotched reddish-yellow (7.5 YR 7/6). Oolitic chert. Dark brown (10 YR 3/2) cortex remnant at base of stem. Unidentified gravel source.

234. Artifact not available for inspection.

235. Rice-Lobed (Perino, 1985:323). One shoulder broken off. White (whiter than Munsell chart) mottled with yellow (10 YR 7/6) and light gray (10 YR 7/2) splotches. Fossiliferous, but a single crinoid cross-section is a strong possibility, and sponge spicules are observable but individual fossils are not clearly discernable. Unidentified, probable viola chert, Arbuckle source.

236. Untyped strongly shouldered and broad blade, beautifully flaked blade-stem missing. Dark reddish-brown (5 YR 3/3) to yellowish-red (5 YR 5/6). Edwards.

237. Broken mid-section of untyped lanceolate biface. Impact fracture from distal tip. Both broken sections are weathered to same extent as other surfaces. Exposed glimpses of inner rock on edges and under microscope are brown (10 YR 5/3). Probably Edwards, but weathered surfaces obscure details.

238. Large decortication flake scraper notched for hafting on one end and retouched along the two blade edges. Yellowish-brown (10 YR 5/4) with yellowish-red mottling on ventral side. Yellow (10 YR 8/6) to dark yellowish-brown (10 YR 3/4) cortex on dorsal side. Edwards gravel.

239. Edgewood. Yellow (10 YR 7/6) weathered on both sides to dark yellowish-brown (10 YR 4/6). Vug filled with tiny quartz crystals on one side. Fossiliferous Edwards chert, but individual fossils not identifiable.

240. Broken untyped biface. Strongly shouldered. One corner of stem (rectangular?) broken off along plane of healed, quartz-filled fracture. Distal end of blade broken at angle across the blade and the break exhibits flaking attempts to retouch that broken edge, but was left uncompleted. Reddish-brown (5 YR 4/4) weathered to dark reddish-gray (5 YR 4/2) and yellowish-brown (10 YR 5/4). Other side is darker (dark reddish-brown 5 YR 3/3, yellowish-red 5 YR 4/6, and dark brown 7.5 YR 3/4). Internal light gray splotching. Edwards.

241. Broken mid-section of untyped biface. Fresh break of reddish-yellow (7.5 YR 6/8). One side weathered to strong brown (7.5 YR 4/6) and other side pinkish-gray (7.5 YR 6/2). Edwards.

242. Broken distal end of biface. Fresh break pink (7.5 YR 7/4) surfaces weathered to reddish-yellow (7.5 YR 6/6) and strong brown (7.5 YR 5/6). Edwards.

243. Broken distal end of biface. Very pale brown (10 YR 7/4). Surfaces weathered to brownish-yellow (10 YR 6/6). Edwards.

244. Large decortication flake with retouch along the non-cortexed edge. Multi-colored beautiful blue-gray (2.5 Y N5/), olive gray (5 Y 5/2), olive (5 Y 5/4), and yellowish-brown (10 YR 5/4) splotching. Cortex remnant is dark reddish-brown (5 YR 3/4). VHQ Edwards gravel.

245. Broken biface fragment split longitudinally down center of blade, along one edge, and across blade. Very pale brown (10 YR 7/3). Weathered surfaces are brownish-yellow (10 YR 6/6) and yellowish-brown (10 YR 5/4). Edwards.

246. Broken Clovis. Angled break across the blade resharpened. “Fresh flakes” on reverse side exhibit gray (2.5 Y N5/0) chert. Other surfaces are red (2.5 YR 4/6) with light orange splotches on one side, and on other side, thin band of orangish-red extends around perimeter of the flute scar. Beautiful red waxy color from heat-treatment after first break and rechipping had occurred. Could chemical weathering produce such a color and luster? Very high quality of Edwards (?).

247. Large bifacial thinning flake. Reddish discoloration at one end could be indicative of chemical weathering effects just under edge of cortex or from heat-treatment. Basic color on ventral side is grayish-brown (10 YR 5/2) to brown (10 YR 5/3). Along thin edge (versus the thicker edge of a hinge fracture) color shades into reddish-brown (5 YR 5/4). Dorsal side exhibits development of pinkish-gray (5 YR 6/2) patina. Edwards.

248. Marshall-like biface. Strongly shouldered, barbs broken off. Thick bodied from resharpening. Stem appears to have been added to broken blade of an earlier biface. Flaking and patination are different from the upper portion of the blade and that portion from the stem/notch interface to base of the stem. Unusual material. Original material appears to be that portion on the slightly flatter side near the distal end. Rock is very pale brown (10 YR 7/3) to white (10 YR 8/2), opaque, and surrounds a quartz-lined vug and a darker gray (10 YR 5/1) unweathered center inside the pale brown. Remainder of surface grades into light yellowish-brown (10 YR 6/4), gray (2.5 Y N5/), and a brownish-gray without a good color match. Microscopically, the chert reflects tendency towards translucency with spicule-like inclusions. On both corners of the stem white (10 YR 8/2) to light gray (10 YR 7/1) poorly silicified and probably fossiliferous (can't identify species) carbonate remnants occur. Surface is weathered to typical light bluish-gray lightly mottled patination typical of both Edwards and Knife River Flint, but Edwards materials exactly like this are unknown to me. Unidentified. Check further with ultraviolet light.

249. Broken distal end of biface. Strong brown (7.5 YR 5/6) to reddish-yellow (7.5 YR 6/6). Along one edge shades into dark brown (7.5 YR 4/4). Typical of Edwards gravel although no cortex is present.

250. Unifacial flake scraper broken across blade toward distal (?) end. Light brown (7.5 YR 6/4) with subtle concentric banding grading outward to dark brown (7.5 YR 3/2). Cortex remnant is white on dorsal side, underlain by 3-4 mm thick band of dark brown (7.5 YR 3/4). Edwards gravel .

251. Small Dalton. Light brown (7.5 YR 6/4) with light reddish-yellow (7.5 YR 7/6) to pinkish-white (7.5 YR 8/2) internal splotching. Other side is mottled (patinated) pinkish-gray (7.5 YR 6/2) and white (7.5 YR N8). Edwards.

252. Large beautiful Clovis. Dark grayish brown (10 YR 4/2) with internal light gray (10 YR 7/2) splotching. Reverse side grades into shades of dark yellowish-brown (10 YR 4/6) and one corner of base is very dark grayish-brown (10 YR 3/2). Waxy luster. VHQ Edwards.

253. San Patrice. Basic material only visible in one small area along base of the stem. Very pale brown (10 YR 7/3). Surfaces weathered to mottled spots of dark yellowish-brown (10 YR 4/4). One ear broken off; other ear is slightly reddened (heat-treated ?), and retains tiny remnant of pebble cortex. Red color could be either from heat-treatment or possibly from chemical weathering. Edwards gravel.

254. Broken Scottsbluff (distal end missing). Break across the blade is weathered to same extent as rest of the artifact. Tiny "fresh" flake on one corner of the stem

exposes internal rock of dark grayish-brown (10 YR 4/2). All other surfaces heavily patinated to light gray (10 YR 7/1) and white (10 YR 8/1) with minimal yellow (10 YR 8/6) iron-oxide staining. Edwards.

255. Small corner-notched (?) biface. Edgewood, almost Palmer-like. Basal grinding in the notches and on base of the stem. Mottled pink (7.5 YR 7/4), reddish-yellow (7.5 YR 6/6), to strong brown (7.5 YR 5/8). Internal light gray splotching. Cortex remnants on both sides of blade. Strong brown cortex. Edwards gravel.

256. Broken biface with added Gary-like stem. Plano-convex in cross-section. Strong brown (2.5 YR 4/6) cortex remnant on dorsal side of stem. Possible tiny remnant of cortex on ventral side which is yellow (2.5 YR 7/6). Edwards gravel.

257. Small Edgewood with incurvate resharpened blade. Thick-bodied. Gray (10 YR 5/1) mottled with light gray (10 YR 7/2) splotches in roughly linear pattern parallel to axis of the blade. Edwards.

258. Pedernales with the blade resharpened at angle across the blade reminiscent of Cody or Red River knives. Unifacial flaking occurs along this broken and resharpened edge. One barb is broken off. Internal rock exposed in the numerous small very dark grayish-brown (10 YR 3/2) "splotches" on both sides. Other surfaces are white (10 YR 8/2), very pale brown (10 YR 8/3) to pinkish tinge (no good color match) and pale brown (10 YR 6/3). Tiny pin-point holes filled with extraneous minute black particles. Rock reflects early stages of tripolitic weathering. Unusually weathered Edwards chert.

259. Plate-like fragment of thin white (10 YR 8/2), very pale brown (10 YR 7/3) to pale brown (10 YR 6/3) petrified wood. Angled break across the "blade" has been retouched, and the flat "proximal" end has been roughly flaked.

260. Possibly a heavily depleted, notched, double-bitted Fourche Maline axe; or possibly a severely reworked Dalton adze. Mottled white (10 YR 8/2) to light gray (2.5 Y 7/2) Keokuk chert from western Ozark Mountains. Slight polish on one end of artifact is suggestive of being used as an adze.

261. Broken mid-section of untyped biface. Dark yellowish-brown (10 YR 4/4) with internal splotches of pale brown (10 YR 6/3). Edwards.

262. Broken distal end of narrow drill-like, pointed, bifacially-flaked tool. Appears to have been flaked into shape initially, and then flake scars almost removed by grinding. Hematitic appearance, but is very dark brown (10 YR 2/2) quartzitic chert. Surface weathered too heavily for specific identification from visual classification.

263. Has attributes of a heavily-weathered bifacial “thinning” flake scraper, but it may be too thick to have been a “thinning flake”. One band of grayish-brown (10 YR 5/2) chert across the narrow end of the flake may be indicative of original Edwards raw material. Remainder of the flake is completely encrusted with mottled pale brown (10 YR 7/4), yellow (10 YR 7/6), to reddish-brown (2.5 YR 4/4) cortex. Coarse retouch along two edges of the flake. Possibly Edwards.

264. Broken distal end of untyped biface. Subtly mottled very pale brown (10 YR 7/4) to brownish-yellow (10 YR 6/6). Edwards.

265. Broken distal end of untyped biface. Break across the blade has been thinned slightly and edges are slightly beveled. Ear-like projections on broken end reflect Carrizo-like outline, but not intentional enough for definition. Very pale brown (10 YR 7/3) Edwards.

266. San Patrice. Broken distal end “fresh” break is reddish-brown (5 YR 4/3). All other surfaces are weathered to mottled weak red (10 R 4/4) and yellowish-red (5 YR 5/6). Petrified wood.

267. Edgewood. Made on slightly curved unifacial flake blade. Cortex remnant on curved ventral side. Minimal retouch, but very fine flaking along edges of ventral side. Edges on dorsal side are steeply and basically unifacial flaked. Brown (10 YR 5/3) to yellowish-brown (10 YR 5/4 to 5/8). Subtle banding on distal end becoming slightly more translucent at tip. Internal light gray splotching. Edwards.

268. Yarbrough. Color change from one side to other. One side, mottled gray (10 YR 5/1), light gray (10 YR 6/1) and light brownish-gray (10 YR 6/2). Other side, weathered to reddish gray (10 R 5/1) and weak red (10 R 5/2). Edwards.

269. Unifacial, steeply-edged scraper, similar to Bristol Biface, but it has very pale brown (10 YR 8/4) cortex on one side that Bristol Bifaces normally do not exhibit. Reddish-brown (5 YR 4/3) with internal very pale brown (10 YR 8/3) splotching. Edwards gravel.

270. Large Lange biface with tip broken from impact fracture, and heavily resharpened finely-flaked blade edges. Internal material exposed in “fresh” break at distal end is dark grayish-brown (10 YR 7/2) weathered outwardly on all exposed surfaces to light gray (10 YR 7/2), very pale brown (10 YR 7/4), light yellowish-brown (10 YR 6/4) with white (10 YR 8/2) splotching. Edwards.
Large flake blade resharpened into untyped (broken)

271. Large flake blade resharpened into untyped (broken) dart point. Ventral side is unifacial flake surface except for minimal retouch along the edges. Dorsal side exhibits beautiful roughly parallel flaking typical of Scottsbluff-like technique.

Very dark grayish-brown (10 YR 3/2) on ventral side grading into dark yellowish-brown (10 YR 3/4) on dorsal side. VHQ Edwards chert.

272. Broken Kent. Distal end missing. Material exposed in "fresh" break across blade is yellow (10 YR 7/6), gray splotched Edwards. Rest of artifact is heavily worn (flake scars essentially removed) and heavily patinated with strong brown (10 YR 5/6) cortex. Edwards.

273. Edgewood/Epps-like with wide, flaring notches and rounded shoulders. Made from decortication flake blade. Cortex remnant on ventral side of dusky red (10 R 3/4) and areas around cortex remnant reddened to red (10 R 4/6). Other side of stem is reddish-brown (2.5 YR 4/4). Basic rock on both sides is yellowish-brown (10 YR 5/4). Edwards gravel.

274. Broken fragment of unifacial flake blade tapered to biface-like point, but distal tip is broken as well as being broken in mid-section. Dorsal side appears to have been unifacially flaked, but flake scars almost worn off. Heavily encrusted with mottled light yellowish-brown (10 YR 6/4) reddish-yellow (5 YR 6/6), and very pale brown (10 YR 7/4). "Fresh" flake on one edge exposes grayish-brown (10 YR 5/2) Edwards chert.

275. Large decortication flake. Retouch along two edges. Dark yellowish-brown (10 YR 3/4 to 4/4) mottled with very pale brown (10 YR 7/4) splotching. Cortex is very dark brown (10 YR 2/2). Beneath cortex on dorsal side chert is reddish-brown (5 YR 4/4) to yellowish-red (5 YR 4/6). Edwards gravel.

276. Morhiss-like. Large, thick, strongly shouldered biface. Dense, very fine-grained quartzose chert. Very dark grayish-brown (10 YR 3/2) on one side and on other side weathered to grayish-brown (10 YR 5/2). Unidentified quartzite.

277. San Patrice. Strong brown (7.5 YR 5/6), subtly mottled to reddish-yellow (7.5 YR 6/6). Cortex remnant of very pale brown (10 YR 8/3) underlain by thin veneer of very dark gray (10 YR 3/1). Edwards gravel.

278. San Patrice. Mottled very pale brown {10 YR 7/3 to 7/4), light yellowish-brown (10 YR 6/4), and light brownish-gray (10 YR 6/2) spots. Internal light gray splotching. Other side is slightly darker shades of pale yellowish-brown. Edwards.

279. San Patrice. Brownish-yellow (10 YR 6/6) with light gray (10 YR 7/2) splotching. Edwards. Reverse side grades into more of a brownish-yellow (10 YR 5/6).

280. Classic Plains end scraper. Made from flake blade and identical to the hafted types found by Wedel in central Kansas. Gray (10 YR 5/1) Edwards.

281. Epps-like. Unusual material, basically yellowish-brown (10 YR 5/4) splotched and mottled with very pale brown (10 YR 7/4), light gray (10 YR 7/2), and white (5 Y 8/6). Well healed quartz-filled fracture across blade is dark brown (10 YR 3/3). Internal light gray splotching. Almost identical to material of No. 148, but not as heavily weathered. Edwards. This could also indicate that 148 may be an unusual variety of Edwards.

282. Very small Kent-like. Very pale brown (10 YR 7/3 to 8/3). Stem is brownish-yellow (10 YR 6/6) and may indicate difference in weathering from having been hafted. Edwards.

283. Similar to No. 276 (Morhiss-like) with stem and thick blade, but this one is much smaller, possibly a large crude Kent (?). Light brownish-gray (10 YR 6/2), but fresh flake on one side exposes dark gray (10 YR 4/1) interior. Surface coloring due to weathering. Edwards.

284. Large untyped, but shares attributes of both Godley and Epps in outline. Broken across blade with distal end missing. Very fine-grained semi-translucent quartzite; gray (10 YR 5/1) weathered to opaque white (whiter than Munsell chips). Similar in color to Catahoula, but is more translucent like Tallahatta. Check further.

285. Broken mid-section of thick untyped biface. Fresh flake on one edge exposes gray (10 YR 5/1) chert. Internal light gray splotching. Surfaces weathered to light gray (2.5 Y 7/) to gray (2.5 Y N6). Other side is grayish-brown (2.5 Y 5/2). Edwards.

286. Yarbrough. Grayish-brown (2.5 Y 5/2) to dark grayish-brown (2.5 Y 4/2). Waxy luster. Edwards.

287. Elam-like. Red (10 R 4/6). Uniform coloration, texture. Could be Tecovas, but is also very similar to St. Joe from Ozarks. Check further.

288. Edgewood (?). Completely encrusted with thick, strong brown (7.5 YR 5/6) cortex. Flake scars heavily worn. Impact fracture at distal end. Same degree of weathering on impact fracture as on rest of the artifact. Raised “knot” on one side is dark grayish-brown (2.5 YR 4/2). Almost appears to have been original material. Tiny white dots sprinkled throughout matrix. Unidentifiable because of weathering, but possibly yellowish-brown quartzite.

289. Broken, Gary-like biface, but one side of the blade and stem are resharpened and removed one shoulder. Red (10 R 4/6) with weak red (10 R 4/3) very subtle splotching in center and towards distal tip. Similar to No. 287. Almost too uniform in color for Tecovas, but Tecovas is best guess.

290. Large broken Scottsbluff preform (?). Lacks retouch along edges and lacks basal delineation and grinding. Broken distal tip. Mottled shades of yellowish-brown (10 YR 5/4), light brownish-gray (10 YR 6/2), yellowish-brown (10 YR 5/4), dark grayish-brown (10 YR 4/2), and splotched with white (10 YR 8/2). One edge exhibits yellowish-brown chert without grainy texture exhibited over most of the surfaces. No observable definite wood grain, but weathering and gradation from grainy to microcrystalline roughly linear alignment is most suggestive of petrified wood. The type material could be the reason the tool form was not completed.

291. Broken mid-section of untyped biface. Dusky red (10 R 3/3), dark grayish-red (10 R 3/1), to weak red (10 R 4/3) very fine-grained quartzite grading into chert. Quartz-lined vug on one side. Tecovas.

292. Very large Ellis/small Lange (?). Yellow (10 YR 7/8) with very pale brown internal splotching. Stem grades into brownish-yellow (10 YR 6/8). Edwards.

293. San Patrice. Dark brown (10 YR 3/3) internal chert weathering outward to light yellowish-brown (10 YR 6/4), yellowish-brown (10 YR 5/4) and yellow (10 YR 7/6). Along one edge where internal splotching is so common the rock has a grainier quartzite appearance. Effects of weathering (?). Edwards.

294. Ellis. Brown (7.5 YR 5/4). Cortex remnant on one side is dark brown (7.5 YR 3/4) and material around cortex remnant is yellowish-red (7.5 YR 5/6). Edwards gravel.

295. Kent. Dark yellowish-brown (10 YR 5/4) with weathered mottling of very pale brown (10 YR 7/4). Dark yellowish-brown (10 YR 4/4) cortex remnant underlain by band of very pale brown on one side of blade. Edwards gravel.

296. Very small, severely resharpened, Gary-like biface. Dark reddish-gray (10 R 3/1) to dusky red (10 R 3/2). Possibly heat-treated. Edwards.

297. Edgewood. Brown (7.5 YR 5/4) subtly mottled to strong brown (7.5 YR 4/6) and brownish-yellow (10 YR 6/6). Internal light gray splotching. Edwards.

298. Kent-like. Fresh flake on one edge exposes very pale brown (10 YR 7/3) chert with light gray internal splotching. Surfaces all weathered to very pale brown (10 YR 7/4) and light yellowish-brown (10 YR 6/4) with light gray splotching.

Slightly darker shade at base of stem is suggestive of cortexual weathering, but no cortex, per se, is observable. Edwards.

299. Edgewood. Pale yellow (2.5 Y 7/4) to brownish -yellow (10 YR 6/6). Reddish-yellow (7.5 YR 6/6) at stem. Light gray internal splotching. Edwards.

300. Bifacially flaked and broken preform. Dark yellowish-brown cortex on one "corner". Yellowish-brown (10 YR 5/6) uniformly colored except for very white splotching and white fossil sponge exposed on one side. Edwards gravel.

301. Flake (bifacial thinning?) with slightly retouched edge. Semi-translucent on thin edges. Dark yellowish-brown (10 YR 3/4). Edwards.

302. Decortication flake with retouch along one edge. Very white coarse cortex on dorsal side. Beneath cortex is pinkish-gray (best match 5 YR 7/1). Ventral side is dark yellowish-brown (10 YR 4/4). VHQ Edwards gravel.

303. Gary. Strong brown (7.5 YR 5/6) to reddish-yellow (7.5 YR 7/6) on outer edge. Cortex remnants on both sides of blade and at very tip of one shoulder. Light gray splotching on side opposite cortex. Edwards gravel.

304. Gary with pointed stem. Worn flake scars. Strong brown (7.5 YR 5/6) to reddish-yellow (7.5 YR 7/6) on outer edge. Dark brown (7.5 YR 3/4) cortex remnants on both sides of blade. Grainy texture. Quartzitic Edwards chert gravel.

305. Bell/Calf Creek. Light gray (10 YR 7/2) slightly splotched with dark gray dots. Grades into pale red (10 R 4/6) along the side with a broken barb. Reddish-gray (5 YR 5/2) quartz-filled, healed fracture. Novaculite from Ouachita Mountains.

306. Dalton/Scottsbluff preform (?). Lacks shoulder definition. "Fresh flake" on one side exposes dark grayish-brown semi-translucent interior. All other surfaces weathered and mottled; light brownish-gray (10 YR 6/2), yellow (10 YR 7/6), very pale brown (10 YR 7/4), and gray (10 YR 6/1) on one side. Other side more mixed mottling of same colors and with white (10 YR 8/2). Mottled surfaces very similar to No.148. Edwards.

307. Flake blade from prismatic core. Burin graver on one end. Retouch along both edges of blade. Dark brown (10 YR 3/3) subtly changing to dark yellowish-brown (10 YR 3/4 to 4/4). Slight difference in texture corresponding to changes in color. Darker shade (10 YR 3/4) tends to be coarser. Indistinct banding commensurate with color change is suggestive of concentric cobble weathering. Edwards.

308. San Patrice. Strong brown (7.5 YR 5/6). Indistinct cortex remnant on one side. Quartzitic chert from Edwards gravel.

Murray Brown Collection

1. Yarbrough (?). Grayish-brown (10 YR 5/2) to dark grayish-brown (10 YR 4/2). Splotched on one side with light gray (10 YR 7/2) and internal light gray splotching. Edwards.

2. Lange-like, but it has "twisted" blade. Brown (7.5 YR 5/2 to 5/4) mottled to strong brown (7.5 YR 4/6) and reddish-yellow (7.5 YR 7/6). Opaque. At base of stem an accretion of siliceous (sandy) asphaltum-like material with tiny white dots of kaolinite-like material adhering to the rock as if it may have been a hafting mastic. Material is quartzitic chert. Edwards (?). Check further for comparisons. Could the hafting mastic be tested?

3. Kent/Woden. Very pale brown (10 YR 8/4) to yellow (10 YR 8/6) grading at stem to yellow (10 YR 7/6), yellowish-brown (10 YR 5/6), and light blue-gray (best match 7.5 YR N6/0). Cortex remnant at base of the unthinned stem is dark yellowish-brown (10 YR 4/4). Light gray internal splotching. Edwards gravel.

4. Godley (?). Crudely flaked. Yellowish-brown (10 YR 3/4), pale brown (10 YR 6/3) to yellowish-brown (10 YR 5/4), splotched with light gray (10 YR 7/2) and white fossil spicules. Quartz-filled tiny vugs. Poor quality Edwards chert; could have been reason for crude flaking.

5. Yarbrough. Gray (10 YR 5/1), light gray (10 YR 6/l to 7/1), and pale brown (10 YR 6/3) on one side. Other side is slightly more uniform in gray color with light gray linear splotching parallel to axis of blade. Probably fossiliferous, but individual specimens cannot be identified. Edwards chert.

6. Big Sandy. Broken distal end. In corner of one of the notches is a black siliceous residue (mastic?) very similar to that on No. 2 above. Chert is grayish-brown (10 YR 5/2) to light brownish-gray (10 YR 6/2). Internal light gray splotching. Edwards.

7. Big Sandy with beveled blade edges. Brown (10 YR 4/3) grading into pale brown (10 YR 6/3). Other side has gray (10 YR 5/1) color across mid-section of blade. Edwards.

8. Thick, crudely-flaked Yarbrough-like biface. Mottled brownish-yellow (10 YR 6/4), yellowish-brown (10 YR 5/6), and grayish-brown (10 YR 5/2) with light gray internal splotching. Edwards.

9. Dawson. Light yellowish-brown (10 YR 6/4). Internal light gray splotching. Edwards.

10. Thick-bodied, heavily resharpened, crudely-flaked and side-notched untyped biface. Basally unthinned. Appears to have been re-stemmed from an earlier broken blade of a biface. Grayish-brown (10 YR 5/2) semi-translucent chert. Slightly patinated with light gray (10 YR 7/1) to white (8/2). Edwards.

11. Large flake knife/scraper. Made from decortication flake. Cortex is dark yellowish-brown (10 YR 4/4). Ventral side is light yellowish-brown (10 YR 6/4) to brown (10 YR 5/3). Internal light gray splotching. Edwards gravel.

12. Flake blade scraper. White cortex remnant along thick unflaked edge. Retouch on opposing edge. Brown VHQ chert grading into light gray towards cortexed edge. Edwards gravel.

13. Pebble scraper. Flaked along one edge of pebble. "Fresh" flaking is yellow (10 YR 7/8) grading on ventral side to thin band of dark yellowish-brown inside of cortex, and on dorsal side into dark gray (10 YR 4/1) beneath cortex. Cortex is mottled very dark gray (10 YR 3/1), dark grayish-brown (10 YR 4/2), and light gray (10 YR 6/1). Ventral side of cortex is strong brown (7.5 YR 4/6) to dark brown (7.5 YR 3/2). Edwards gravel.

14. Decortication flake. Minor retouch on thin edge opposite cortex. Pale brown (10 YR 6/3) grading concentrically to very pale brown (10 YR 7/4) and yellowish-brown (10 YR 5/4) away from cortex of dark yellowish-brown (10 YR 3/4). Edwards gravel.

15. Split and slightly flaked cobble (core?). Dark yellowish-brown cortex (10 YR 4/4) along one edge and side. Bifacially removed flakes from both sides. Pale brown (10 YR 6/3), grayish-brown (10 YR 5/2) and gray splotched (10 YR 5/1). Edwards gravel.

16. Elongate small flake scraper. Light brownish-gray (10 YR 6/2), reddish-gray, weak red (2.5 YR 5/2). No cortex. Edwards.

17. Light gray (10 YR 7/2) mottled to very pale brown (10 YR 7/3), and light gray internal splotching. Brownish-yellow (10 YR 6/6) on one edge. Edwards.

18. Large bifacially-flaked Cliffton or very small Garyito. Stemming appears to have been added after point was made. Unusual oblique flaking on one side of blade. Yellowish-brown (10 YR 5/6) altered to red (10 R 4/6) on stem. Light gray internal splotching. Edwards.

19. Double-notched Evans. Notches added to an earlier, possibly broken blade. Slight differences in color and flaking techniques between area from upper notches to the base in comparison to distal end of blade. Very pale brown (10 YR

7/4) to light yellowish-brown (10 YR 6/4), with light gray splotching especially evident in the more recently flaked areas of the notches. Edwards.

20. Long, classic Darl with beveled blade. Pale brown (10 YR 6/3), brown (10 YR 5/3), and very pale brown (10 YR 7/4) splotching. Edwards.

21. Large, slightly-shouldered and broken, untyped biface with Scottsbluff-like appearance. Stem missing. Dark gray (2.5 Y N4/0). Quartzitic sandstone (quartzite) from Stanley Shale or Jackfork Formation of Ouachita Mountains in southeastern Oklahoma.

22. Small Midland. Best color match for basic rock is white (2.5 Y 8/2) mottled to yellow (2.5 Y 7/6) and reddish-yellow (7.5 YR 7/6). Other side is mostly yellow (2.5 Y 7/6). Internal light gray splotching. Edwards is best guess.

23. Plano-convex scraper with flaking across the ventral surface. Appears to have been rechipped from a broken biface. On "dorsal" side edges are steeply beveled. Very dark gray (7.5 YR N3/0) to dark gray (7.5 YR 4/1) and on ventral side to reddish-brown (5 YR 5/4). Subtle internal splotches and mottling of light and dark gray on ventral side. High quality Edwards.

24. Broken Morrill-like biface. Distal end missing. Dark yellowish-brown (10 YR 3/4) slightly mottled areas of yellowish-brown (10 YR 5/4). VHQ Edwards.

25. Keithville/possibly small Ensor. Material type probably influenced quality of knapping. Gray (5 YR 5/1) petrified wood with black cortex on one side and light reddish-brown (7.5 YR 5/3) on other. Gravel source.

26. Marcos (?) with shoulders rounded off in resharpening blade. Beautiful dark reddish-brown (5 YR 3/2) and other side of dark reddish-gray (5 YR 4/2) semi-translucent Edwards chert.

27. Rounded, heavily worn, untyped biface. Lanceolate in outline, slightly shouldered. Almost as thick as it is wide. Grayish-brown (10 YR 5/2) to brownish-yellow (10 YR 6/6) siliceous oolite.

28. Ensor. Extremely well made of reddish-brown (5 YR 4/4) to light reddish-brown (5 YR 6/3) petrified wood.

29. Motley (?). Dark brown (7.5 YR 4/2), strong brown (7.5 YR 4/6), dark yellowish-brown (10 YR 4/4), and grayish-brown (10 YR 5/2) petrified wood. Very pale brown (10 YR 7/3) cortex on one face.

30. Broken distal end of large untyped biface. Plano-convex in cross-section. In broken cross-section chert is red (2.5 YR 5/4) mottled with very pale brown (10 YR 7/3). Surfaces slightly more subdued in colors of weak red (10 R 5/3) and reddish-brown (5 YR 5/3). Internal light gray splotching. Heat-treated (?). Edwards.

31. Palmillas (?). Heavily worn and completely encrusted with thick reddish-gray (5 YR 5/2) to reddish-brown (7.5 YR 6/6) cortex. Unidentifiable.

32. Large bifacial thinning flake. Beautiful semi-translucent dark brown (7.5 YR 3/4) subtly mottled to brown (7.5 YR 5/4) and weak red (10 R 4/4) with light gray internal splotching, and outermost edge of dark grayish-brown (10 YR 4/2). Edwards. Possibly from same rock that Clovis point No. 5 of Coen collection is made of.

33. Broken distal end of untyped biface. Very pale brown (10 YR 7/3) to yellowish-brown (10 YR 5/4). Light gray internal splotching. Edwards.

34. Broken blade (bit) of drill. Dark gray (7.5 YR N4/0) with light gray (10 YR 7/1) mottling. Edwards.

35. Pelican. Very dark gray (10 YR 3/2) to dark brown (10 YR 4/3) petrified wood.

36. Broken untyped biface. Stem missing. Reddish-yellow (5 YR 7/6) to strong brown (7.5 YR 5/6). Reddened on one side to yellowish-red (5 YR 5/6). Heat-treated (?). Edwards.

37. Godley (?). Grayish-brown (10 YR 5/2) to light yellowish-brown (10 YR 6/4) quartzitic chert. Possibly Edwards.

38. Black fossilized alligator gar scale. Possible projectile point (?).

39. Broken untyped biface. Strongly shouldered, stem missing. Dark yellowish-brown cortex remnant on one face of blade. Grades from reddish-gray (5 YR 5/2) semi-translucent edge to very pale brown (10 YR 7/3) and light gray (10 YR 7/2). Slight staining of brownish-yellow (10 YR 6/6) on one side of blade. Area beneath cortex is yellowish-brown (10 YR 5/6). Edwards gravel.

40. Thick, crudely-flaked Elam-like biface. Thick steeply-flaked blade edges. Very dark gray (10 YR 3/1) cortex remnant on one side. Dark brown (10 YR 3/3) cortex on other side. Dark yellowish-brown (10 YR 4/4) quartzitic chert. Edwards gravel.

41. Pebble with one edge flaked. Dark yellowish-brown (10 YR 4/6) on flaked edge. Cortex is dark brown (7.5 YR 4/4). Edwards gravel source.

42. Bifacial thinning flake. Beautiful material. Dark reddish-gray (5 YR 4/2) to dark reddish-brown (5 YR 3/4). Light gray splotching. Edwards.

43. Edgewood (?). Heavily worn and completely encrusted with yellowish-red (5 YR 5/6) cortex. Raw material unobservable. Pebble cortex on one face. Gravel source.

44. Bell. Reddish-yellow (7.5 YR 7/6) opaque chert. Liberally sprinkled with light gray and white splotches and unidentified fossil fragments. Edwards.

45. Pontchartrain (?). Corners of stem broken off. Reddish-yellow (7.5 YR 7/6) to brownish-yellow (10 YR 6/6). Distal tip broken and reddened (red 2.5 YR 5/6). Sprinkled with white and light gray splotches. Coarser grained than chert in general. Quartzitic Edwards chert.

46. San Patrice (?). Broken across one corner of stem. Yellowish-brown (10 YR 5/6) to light yellowish-brown (10 YR 6/4) to yellowish-red (5 YR 5/6). Yellowish-red is chert. Light yellowish-brown is very fine quartzite. Edwards (?).

47. Marshall. Brown (10 YR 5/3) to dark yellowish-brown (10 YR 4/4). White inner cortex on one side. Edwards.

48. Resharpened Plainview. Resharpening across blade at angle like Cody Knife. Black, beautiful petrified wood.

49. Motley (?) with resharpened blade. Broken distal end missing. In break rock is dark grayish-red (5 YR 4/2). Other surfaces are dark reddish-brown (5 YR 3/2) with light reddish-gray patina. Microscopically resembles snake skin-like texture as result of heat fracturing. Heat-treated Edwards.

50. Flaked pebble. Slight retouch along one edge. Very dusky red (10 R 2.5/2) cortex, heat-spalled surface. Flaked edge is weak red (10 R 4/3). Heat-treated Edwards pebble.

51. Broken distal end of untyped biface. Broken end exhibits same patina as rest of the artifact. Color differences from one side to other. One side, reddish-gray (10 R 5/1) mottled to weak red (10 R 5/3) and red (10 YR 4/4). Other side, reddish-gray (10 R 6/1) and pale brown (10 YR 7/3) splotches. Edwards.

52. Bone

53. Plate of petrified wood, retouched along two edges. Very pale brown (10 YR 7/4) to light yellowish-brown (10 YR 6/6), very dark brown (10 YR 3/3). Gray (10 YR 5/1) cortex on one side. Gravel source.

54. Broken untyped biface. Stem missing. Strongly shouldered. Light gray (10 YR 7/1) and black (10 YR 2/1) splotched novaculite. Ouachita Mountains, Hot Springs vicinity.

55. Plate-like petrified wood flaked on three edges. Very pale brown (10 YR 8/3).

56. Clovis-like. Light brownish-gray (10 YR 6/2). Light gray internal splotching. Edwards.

57. Large broken blade of untyped biface. Very dark grayish-brown (10 YR 3/2) to dark grayish-brown (10 YR 4/2) with light gray internal splotches. Edwards.

58. Untyped biface. Long narrow blade and narrow rectangular stem. Strongly shouldered, beveled blade. Light brownish-yellow (10 YR 6/4) to yellowish-brown (10 YR 5/6). Distal end is dark yellowish-brown (10 YR 4/6). Edwards.

59. Yarbrough. Well-made. Grayish-brown (10 YR 4/2) to yellowish-brown (10 YR 5/4) petrified wood. White cortex on one face.

60. Broken, untyped biface. Stem missing. Completely encrusted with thick cortex-like coating; strong brown (7.5 YR 5/6) to very pale brown (10 YR 7/4), and with red at the distal tip. None of the original material is observable for identification.

61. Alligator gar scale. Black (10 YR 2/1) with red (10 R 4/8) patina.

62. Prismatic flake blade. Triangular in cross-section. Dark gray patina at base with 2 mm-thick white siliceous band between the cortex and the underlying chert. The chert is light brownish-gray (10 YR 6/2) Edwards chert.

63. San Patrice. Yellow (10 YR 7/6) to yellowish-brown (10 YR 5/6). Other side is darker strong brown (7.5 YR 5/6) to brownish-yellow (10 YR 6/6). Light gray splotching and a single cross-section of what appears to be a fossil coral are on one side. Comparison to Newton County, Texas artifacts found on Cow Creek by Paul Tanner is identical. East Texas source.

64. Pelican. Weak red (2.5 YR 4/2) semi-translucent chert. Splotched with very pale brown (10 YR 8/3) on one side, and has developmental patina forming along linear lines parallel to axis of the blade on the other side. Edwards.

65. San Patrice. Brownish-yellow (10 YR 6/6) to yellowish-brown (10 YR 5/4) and brown (10 YR 5/3). Very dark gray staining on surfaces. Siliceous oolite, and at distal end the oolites becomes less concentrated and grades into an oolitic chert. Same unknown source as the other yellowish siliceous oolites yet to be determined.

66. Broken untyped biface. Stem is spalled into lower part of the blade and distal end broken across the blade. Strongly shouldered. Mottled subtle banding at transverse angles across the blade of gray (10 YR 5/1) to very pale brown (10 YR 7/3). Light gray internal splotching. Small open vugs. Roughly similar to some of the cherts from the Johns Valley Shale of the Ouachita's, but slightly more typical of Edwards. Does not fluoresce like Edwards; however. Uncertain identification. Check further.

67. Motley. Opaque, light brownish-gray (10 YR 6/2). Other side slightly darker (10 YR 5/1) gray. Dark gray (10 YR 4/1) splotch filled with white spicule fragments. Internal light gray splotching. Edwards.

68. Broken mid-section of large wide prismatic blade. Retouched along the two blade edges. Earlier broken cross-section has same degree of weathering as rest of blade. "Fresh" break exhibits dark yellowish-brown (10 YR 4/2) chert. Heavy patination over all other surfaces. On ventral side chert is very pale brown (10 YR 8/3) mottled with light gray (10 YR 7/2) patina. One corner on both sides exhibits light brownish-gray (large relatively speaking 5-6 mm) quartz-filled vug. Fossil spicules. Dorsal side weathered to light yellowish-brown (10 YR 6/4), yellowish-brown (10 YR 5/4) and brown (10 YR 5/3). Patina obscures other details. Identity undetermined. Check further.

69. Yarbrough. Yellow (10 YR 7/6) to yellowish-brown (10 YR 5/6). Cortex remnants of yellowish-brown (10 YR 5/4) on one side of stem and on high medial ridge of the other side. Small white circular splotches in linear alignment are probably fossil ghosts. Moderate wear on flake scars. Edwards gravel source.

70. Woden. Very dark gray (10 YR 3/1) with white rod-like fibers and patch of white at distal end. Petrified wood. Black cortex on ventral face and at base of unthinned stem.

71. Woden-like, but no cortex at base of stem. Dark gray (10 YR 4/1) to white (10 YR 8/1) mottled petrified wood.

72. Strongly shouldered untyped biface. Brown (7.5 YR 5/4) mottled to strong brown (7.5 YR 5/6) quartzitic chert. Light gray internal splotches. Edwards.

73. Chunk of high-quality petrified wood, flaked along one edge. Dark brown (7.5 YR 3/2). Cortex on four sides of chunk. Gravel source.

74. Fragment of flaked chert. No cortex. Opaque grayish-brown (10 YR 5/2) with tiny red dots like Big Spring Edwards (Segovia).

75. Broken blade of untyped biface. Stem missing. One side is light yellowish-brown (10 YR 6/4) to yellowish-brown (10 YR 5/6). Light gray internal splotching. Other side is reddish-brown (10 YR 5/4) under dark brown (10 YR 3/3) cortex remnant. Edwards gravel.

76. Pelican. Highly resharpened blade. Brownish-yellow (10 YR 6/8) mottled lighter shades. Petrified palm wood. Dark Brown (10 YR 3/3) cortex on one face. East Texas gravel source.

77. Broken, strongly-shouldered, untyped biface. Stem broken off. Reddish-yellow (7.5 YR 6/6) and lighter reddish-yellow cortex over all surfaces. Original appears to be yellowish quartzite, but details unobservable.

78. San Patrice. Brown (7.5 YR 5/4) mottled to reddish-yellow (7.5 YR 7/6) and light brown (10 YR 6/4). Light gray splotches. White quartz-filled healed fracture. Quartzitic chert. Possibly Edwards, but not certainty.

79. Dalton. Dark grayish-brown (10 YR 4/2). Reddish-brown (2.5 YR 5/4) at distal tip. Edwards.

80. Fragment of gray (10 YR 5/1) Edwards chert.

81. Small fragment of flake scraper. Minimal retouch on one edge. Very dark gray (10 YR 5/1) homogeneous Edwards. Translucent on thin edges.

82. Woden. Brown (10 YR 5/3) to dark brown (10 YR 3/3) petrified wood. White (10 YR 8/1) cortex on base of unthinned stem. East Texas gravel.

83. Resharpened drill-like blade. Very pale brown (10 YR 7/4) to light yellowish-brown (10 YR 6/4) siliceous oolite.

84. Large flake with retouch along one edge. Yellow (10 YR 7/8) and white (10 YR 8/2) splotchy thick patination (encrustation). Original material unobservable.

85. Elongate pebble, bifacially flaked to thick graver-like tip at one end. “Fresh” flaked area is dark yellowish-brown (10 YR 4/4) to yellowish-brown (10 YR 5/4) quartzitic chert, like all other quartzitic cherts. Gravel source, Edwards (?).

86. Broken proximal end of wide stemmed (Dalton?) biface. Very pale brown (10 YR 7/4) to white (10 YR 8/2) Edwards.

87. Godley (?). Made from decortication flake with strongly curved axis. Bifacially flaked. Cortex occurs on concave side of curved face. Original material completely encrusted in red (2.5 YR 4/6) thick patina. Unidentifiable.

88. Bone

89. Palmillas (?). Grayish-brown (10 YR 5/2) Edwards. Patinated over whole blade except for distal tip. Patina is light gray (10 YR 7/1).

90. Gary. Interior rock exposed in heat spalls and on "fresher" chipped edges is dark reddish-brown (2.5 YR 3/4) probably discolored by heavy heat-treatment. Surfaces patinated to bluish-pinkish-gray (nearest color match is pinkish-gray (5 YR 6 or 7/2), but they lack bluish tinging. Quartzitic chert. Possibly heat-treated Edwards.

91. Edgewood/Ellis (?). "Fresh break" where one shoulder is broken exposes grayish-brown (10 YR 5/2). Also contains fossil fragments (one fossil coral). All other surfaces heavily patinated with strong brown (7.5 YR 5/6) and reddish-yellow (7.5 YR 7/6) and dark brown (7.5 YR 4/4). Edwards.

92. Artifact not available for inspection.

93. Yarbrough. Entire surface worn and patinated, but through patination under microscope chert is light gray (10 YR 7/1) splotched with white. Fossiliferous. Patinated surfaces are white (2.5 YR 8/2), yellow (2.5 YR 7/6), splotched with reddish-yellow (7.5 YR 7/6). Edwards.

94. Ellis. Yellowish-brown (10 YR 5/6) to brownish-yellow (10 YR 6/6). White to light gray internal splotches. Fossiliferous-coral. Edwards.

95. Broken mid-section of prismatic blade. Base material is grayish-brown (10 YR 5/2) on one broken corner. All other surfaces patinated with brownish-yellow (10 YR 6/8) to brown (10 YR 5/3). Edwards (?).

96. Gary, but with slightly rectangular stem. Gray (2.5 YR 5/1) from fresh flake on edge. Very dark gray (7.5 YR N3/) healed fracture. All other surfaces mottled and weathered reddish-yellow (7.5 YR 6/6) and gray (10 YR 5/1). Heavily resharpened blade. Edwards.

97. Secondary flake from preform. Light gray (10 YR 7/1) and white subtle splotches. Tiny grayish-brown dots. Edwards.

98. Gary with slightly squared stem. Strong brown (7.5 YR 4/6) with light gray chert (10 YR 7/2) in center of blade. Rest of the rock is siliceous oolite; dark gray (7.5 YR N4/) to very dark gray (7.5 YR N2/). Sooty manganese dioxide staining on all surfaces.

99. Pebble preform. Plano-convex. Brownish-yellow (10 YR 6/6) to gray (10 YR 5/1) to white (10 YR 8/1) mottled. Dark brown (10 YR 4/3) cortex on medial ridge. Edwards gravel .

100. Small Kent. Made from thick decortication flake. Cortex remnant on medial ridge. Distal tip, is flattened and has polish as does medial ridge as if it was used for cutting or gouging activity rather than as projectile point. Strong brown (7.5 YR 5/6) quartzitic chert with light gray circular splotching. Edwards (?).

101. Pebble core for bi-polar flaking. Flakes removed from two opposing sides of pebble. Cortex is dark brown (7.5 YR 3/2). Chert is yellowish-brown (10 YR 5/4) patinated to brown (7.5 YR 5/2). Edwards gravel.

102. Extremely thin fragment of untyped broken biface about 2 mm thick. Broken distal end exposes reddish-yellow (7.5 YR 6/6) quartzitic chert. Light gray splotches. Surfaces weathered to brown (7.5 YR 5/4), reddish-yellow (7.5 YR 7/6), reddish-brown (5 YR 5/4) and dark reddish-brown (5 YR 3/3). Edwards (?).

103. Chunk (possibly rough core) of gray (10 YR 5/1) to dark gray (10 YR 4/1). White (10 YR 8/2) typical nodular rind of Georgetown Edwards.

104. Depleted core-like fragment with flakes struck from a prepared platform on opposing sides. Very dark gray (7.5 YR N3/) to subtle band of light gray (7.5 YR 7/0). Edwards.

105. San Patrice. Very pale brown (10 YR 7/4) subtly mottled with yellowish-brown (10 YR 5/6), light gray internal splotching. Edwards.

106. Broken distal end of untyped biface. Yellowish-brown (10 YR 5/4) with light gray internal splotching. Broken cross-section is grayish-brown (10 YR 5/2). Edwards.

107. Pebble core fragment. Flakes removed from opposing sides. Cortex is dark reddish-brown (5 YR 3/3). Grayish-brown (10 YR 5/2) chert in “fresh” flake on one corner. Weathered, patinated to light blue-gray (7.5 YR N7/). Edwards Chert.

108. Pebble core fragment with four flakes removed. Rock is pale brown (10 YR 6/3) to light yellowish-brown (10 YR 6/4), internal light gray and brownish-gray

splotching. Dusky red (10 R 3/4) cortex on two ends and one side. Heat-treatment reddening extending up to 1 cm into rock. Edwards gravel .

109. Broken distal end of untyped biface. Dark grayish-brown (10 YR 4/2), semi-translucent Edwards. Slight patina.

110. Broken untyped shouldered biface. Stem missing. Pale brown (10 YR 6/3), light yellowish-brown (10 YR 6/4), to brownish-gray (10 YR 5/2). Un-heat-treated Ogallala Quartzite.
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111. Ellis. Light brownish-gray (10 YR 5/2) weathered to light yellowish-brown (10 YR 6/4), yellow (10 YR 7/6), and splotchy reddish-brown (10 YR 4/4). Internal light gray splotching. Edwards.

112. Decortication flake with minimal retouch on one edge. In "fresh" flaking chert is weak red (2.5 YR 4/2). Patinated bluish-pale red (best match is 10 R 6/2). Cortex is brown (7.5 YR 5/2) to pink (7.5 YR 8/4) and slightly reddened on one edge. Possibly heat-treated Edwards.

Tabulations

The seven hundred and seventy-six artifacts included in this analysis are divided into categories that some may find a little confusing, but the breakdown of material types are explained in Table 1 as follows:

Edwards

Edwards chert w/o evidence of pebble cortex and no evidence of heat-treatment	330
Edwards w evidence of heat-treatment	34
with evidence of gravel cortex and no heat-treatment	98
with evidence of cortex and heat-treatment	11
Possible Edwards (without absolute assurance of accuracy) and no evidence of heat treatment	46
Possible with evidence of heat-treatment	5
Quartzitic chert w/ cortex and w/o heat-treatment	23
Quartzitic chert w/o cortex and w/ heat-treatment	2
Quartzitic chert w/o cortex and w/o heat-treatment	7
Total Edwards chert	556

Honey-colored (Edwards ?) N. Central Texas	2

Petrified Wood	
With evidence of cortex	19
W/O evidence of cortex	33
With evidence of heat-treatment	4
Petrified palm wood w/o heat-treatment	3
Petrified palm wood w/ heat-treatment	0
Total Petrified wood	59
East Texas Gravels	
(includes well-indurated claystone, quartzite, and chert from Tertiary Formations and stream beds of East Texas and Louisiana)	17
Siliceous 0olite	11
Arkansas Novaculite	5
Marble Falls	4
Fisher Quartzite	
W/O heat-treatment	7
With heat-treatment	1
Total Fisher Quartzite	8
Tecovas	
Quartzite	10
Jasper w/o heat-treatment	14
Jasper w/ heat-treatment	4
Total Tecovas	28
Orthoquartzites (General)	2
Ouachita Mountains	
Stanley Shale/Jackfork quartzite	
Big Fork Chert	
Wesley Chert	
Total Ouachita Mountains	8
Arbuckle Mountains	
Joins-Oil Creek Formation (Lowrance chert)	4
Ozark Mountains	
Keokuk (Upper Boone Formation)	1
Lower Boone	1

Knife River Flint	3
Possible Tallahatta Quartzite	1
Minnelusa	2
Flint Hills	
Wreford Formation	1
Weeping Water Creek	3
Chuska (possible, but not certain)	1
Unsourced Chalcedony	2
Unidentifiable	
W/O cortex	21
With cortex	6
Unidentified	
Chert	15
Quartzite	9
Uvalde Gravel	
Ogallala w/ heat-treatment	1
Ogallala w/o heat-treatment	1
General with cortex	2
TOTAL CHIPPED STONE ARTIFACTS:	776
Specialized Ground-stone Artifacts	
Diorite	1
Hematite	3
Fossilized Alligator Gar Scales (possible arrowpoints)	2

From the above charts some interesting statistics can be derived as follows. Edwards chert and quartzitic chert combined, derived presumably from in-situ formations (that is those artifacts which cannot be attributed to gravel sources on the basis of the presence of cortex) (total of 556) constitutes 71.6 % of the total lithic materials represented at McFaddin Beach. Of this amount 364 or 65% of the total Edwards possibly came from non-gravel sources while 109 (19.6 %) was derived from gravels eroded from the Edwards formations and recovered secondarily from deposits probably much closer to the Gulf Coast similar to the extensive gravels west of the Guadalupe and Colorado River drainages of today. It is also of interest that of the total Edwards

materials only 52 (9%) provide evidence of having been heat-treated. Being one of the higher qualities of chert available anywhere, the better grades of Edwards, and indeed for production of more common types of stone tools, even for the poorest grades of Edwards, heat treatment may not be an absolute necessity for effective knapping.

The total number of artifacts made of petrified wood (59) comprises the second highest percenatge of 7.9% of the total artifacts, and the distant Tecovas materials, chert and quartzite, combined for a total of 27 artifacts (3.4%) of the total comprise a relatively surprising percentage even though it is small. And thirdly, the percentage of siliceous oolite (11 artifacts) at 1.4 % is somewhat surprising because there are no known sources of this specific rock type within close proximity to the Texas Gulf Coast. It is possible that some of the Paleozoic rocks in the eastern flanks of the Llano Uplift may contribute such rocks to gravel deposits such as the "Edwards gravels" as referenced in this report, but at present such sources are unknown. Also artifact numbers of siliceous oolite are of special interest for geological purposes as well as for a better understanding of prehistoric usage of lithic materials in general. For example, one artifact exhibits siliceous oolite actually grading into a rock type wihtin a single small rock that must be classified as siliceous oolitic chert rather than siliceous oolite per se. While the distinctions may seem irrelevant, the depositional origins of the sedimentary rock itself demands a better understanding of geological process involved. And, Louvier's artifact No. 120 is typical of in-situ siliceous oolite found in the Cotter Dolomite of the Ozark Mountains. This single artifact may suggest strongly that the chemically weathered specimens altered to yellowish and brownish shades are indeed from the same sources.

Of the other type materials, percentages (because of being so low) are rather meaningless, but the sources and the distances represented are almost unbelievable. In as much that comparative microscopic analysis and subjection to both long and short-wave ultraviolet light were used in the identifications, the identifications reported here are believed to be highly reliable, and only subjection to trace element analyses such as x-ray fluorescence, proton-induced x-ray examination (PIXE) or neutron activation would possibly provide more accurate identifications.

These remote sources comprise Knife River Flint from North Dakota, Wreford chert from the Flint Hills of Kansas, material from quarries on Weeping Water Creek in eastern Nebraska, Minnelusa from eastern Wyoming; a possibility of quartzite (Tallahatta) from Mississippi, and even a more remote possibility of chert from eastern Tennessee, and chert from the Chuska Mountains of northwest New Mexico. If these source identifications are accurate, then some other questions arise. For example, within the geographic distances between these sources and McFaddin Beach there are considerable numbers of other lithic resources available in easily accessible surface areas and in large quantities and quality of materials; yet they are not represented at McFaddin Beach. This is not to imply that all such lithic resources should be also found at McFaddin Beach, but it does justify other questions. Why were the rock types found here selected instead of others? It may be of greatest relevance in this regard to note that the

exotic materials found at McFaddin Beach are from traditional sources of well known resources which are derived primarily from well-established quarry sources known to have been in use since Paleoindian times.

It is evident that most of the cherts and possibly the quartzites were obtained from gravels derived from the Edwards Plateau if not from the Edwards Group of geological formations themselves. And while only those articles with evidence of cortex can be specifically attributed to the gravel sources, it can also be expected that many of those artifacts not exhibiting actual cortex were also derived from gravels from which all traces of cortex were removed by original knapping activities and subsequent rejuvenation which was very prevalent. Gravels found in the Highland sources west of the Guadalupe River are certainly large enough for any of the artifacts at McFaddin Beach to have been made from.

Combining cherts from the western Ouachita Mountains with the Arkansas Novaculite probably from the quarries near Hot Springs Arkansas, all the Ouachita materials (13) only constitute 1.6 % of the total. Since the Ouachitas are one of the nearer major sources of lithic materials this percentage seems surprisingly low. Also, though of lesser importance as lithic sources, the absence of closer sources such as Pisgah Ridge, Catahoula, and Manning Fused Glass are highlighted because of their absence.

This examination also is important for a better understanding of events in the McFaddin Beach vicinity in general by pointing out that dart points are not the only artifact types represented although they certainly dominate the inventory. For everything from pebble and nodular cores, flake blades, preforms, decortication flakes, secondary flakes, hammerstones, and cutting/scraping tools are present. Stright has suggested and probably very correctly so that it is possible that attraction to this area during the Archaic era was the abundant high quality lithic materials available in the abandoned Paleoindian assemblage.

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The Department of the Interior Mission

As the Nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally owned public lands and natural resources. This includes fostering sound use of our land and water resources; protecting our fish, wildlife, and biological diversity; preserving the environmental and cultural values of our national parks and historical places; and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people by encouraging stewardship and citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.

The Minerals Management Service Mission

As a bureau of the Department of the Interior, the Minerals Management Service's (MMS) primary responsibilities are to manage the mineral resources located on the Nation's Outer Continental Shelf (OCS), collect revenue from the Federal OCS and onshore Federal and Indian lands, and distribute those revenues.

Moreover, in working to meet its responsibilities, the **Offshore Minerals Management Program** administers the OCS competitive leasing program and oversees the safe and environmentally sound exploration and production of our Nation's offshore natural gas, oil and other mineral resources. The MMS **Royalty Management Program** meets its responsibilities by ensuring the efficient, timely and accurate collection and disbursement of revenue from mineral leasing and production due to Indian tribes and allottees, States and the U.S. Treasury.

The MMS strives to fulfill its responsibilities through the general guiding principles of: (1) being responsive to the public's concerns and interests by maintaining a dialogue with all potentially affected parties and (2) carrying out its programs with an emphasis on working to enhance the quality of life for all Americans by lending MMS assistance and expertise to economic development and environmental protection.