

# **APPENDIX A**

## **Agency and Tribal Coordination**

- March 28<sup>th</sup>, 2006, OPRD's letter to FWS
- March 31<sup>st</sup>, 2006, FWS ESA species list and letter to OPRD
- May 26<sup>th</sup>, 2006, Correspondence with National Oceanic and Atmospheric Administration (NOAA) Fisheries regarding Essential Fish Habitat
- June 13<sup>th</sup>, 2006, OPRD's scoping letter to agencies and mailing list for letter
- June 21<sup>st</sup>, 2006, Reclamation's letter to SHPO
- August 24<sup>th</sup>, 2006, SHPO's concurrence with determination of no effect
- August 25<sup>th</sup>, 2006, SHPO's concurrence with eligibility of powder house as part of a potential Bowman Dam Historic District; no adverse effects
- Distribution list for the Powder House Cove Expansion Final EA



# Oregon

Theodore R. Kulongoski, Governor

## Parks and Recreation Department

Central Oregon  
Area 5 Office  
1645 NE Forbes Rd., Suite 112  
Bend, OR 97701  
(541) 388-6211  
Fax: (541) 388-6391

March 28<sup>th</sup>, 2006

State Supervisor, U.S. Fish and Wildlife Service, Oregon State Office  
2600 SE 98<sup>th</sup> Avenue, Suite 100  
Portland, OR 97266

Attn: Kemper M. McMaster



Subject: Request for List of Threatened and Endangered Species under the Endangered Species Act for the proposed Powder House Cove Project, Prineville Reservoir, Crook County, Oregon

The Oregon Parks & Recreation Department (OPRD), in conjunction with the Bureau of Reclamation (BOR), is proposing improvements to the Powder House Cove recreational site on Prineville Reservoir in Central Oregon. The proposed project consists of additional parking capacity and changing the location of the existing boat launch. The number of visitors exceeds the current capacity of the single vault toilet and overflow parking commonly occurs on the shoulders of Highway 27. The proposed improvements are on Bureau of Reclamation lands located in Crook County, Oregon T17S, R16E, Section 11 S1/2 and Section 14 N1/2.

As part of OPRD and BOR's National Environmental Policy Act compliance procedure and as required by the Federal Endangered Species Act (ESA) of 1973, we are formally requesting information on any listed or proposed endangered and threatened species that may be present in the project area. We request that your species list cover the location listed above.

We would appreciate receiving the ESA species list at your earliest convenience. Please send your response and any other correspondence related to this project to me 1645 NE Forbes Rd, Suite 112, Bend OR 97701. If you have any questions regarding this project, please contact me at (541) 388-6073.

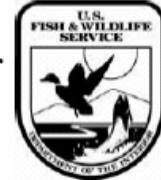
Sincerely,

Letha Sanderson

Natural Resource Specialist, Area 5, Central Oregon



# United States Department of the Interior



## FISH AND WILDLIFE SERVICE

Oregon Fish and Wildlife Office  
2600 SE 98<sup>th</sup> Avenue, Suite 100  
Portland, Oregon 97266

Phone: (503)231-6179 FAX: (503)231-6195

Reply To: 8330.SP03(06)

March 31, 2006

Letha Sanderson  
Oregon Parks and Recreation  
1645 NE Forbes Rd., Suite 112  
Bend, OR 97701

Subject: Powder House Cove Boat Launch and Parking Improvement Project  
USFWS Reference # CC13FE43F6B6386988257142007FBBE7

Dear Ms. Letha Sanderson:

This is in response to your request, dated March 31, 2006, requesting information on listed and proposed endangered and threatened species that may be present within the area of the Powder House Cove Boat Launch and Parking Improvement Project in Crook County(s). The Fish and Wildlife Service (Service) received your correspondence on March 31, 2006.

We have attached a list (Enclosure A) of threatened and endangered species that may occur within the area of the Powder House Cove Boat Launch and Parking Improvement Project. The list fulfills the requirement of the Service under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*). U.S. Bureau of Reclamation requirements under the Act are outlined in Enclosure B.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems on which they depend may be conserved. Under section 7(a)(1) and 7(a)(2) of the Act and pursuant to 50 CFR 402 *et seq.*, the U.S. Bureau of Reclamation is required to utilize their authorities to carry out programs which further species conservation and to determine whether projects may affect threatened and endangered species, and/or critical habitat. A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) which are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (NEPA) (42 U.S.C. 4332 (2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to the Biological Assessment be prepared to determine whether they may affect listed and proposed species. Recommended contents of a Biological Assessment are described in Enclosure B, as well as 50 CFR 402.12.

If the U.S. Bureau of Reclamation determines, based on the Biological Assessment or evaluation, that threatened and endangered species and/or critical habitat may be affected by the project, the U.S. Bureau of Reclamation is required to consult with the Service following the requirements of 50 CFR 402 which implement the Act.

Enclosure A includes a list of candidate species under review for listing. The list reflects changes to the candidate species list published May 11, 2005, in the Federal Register (Vol. 69, No. 86, 24876) and the addition of "species of concern." Candidate species have no protection under the Act but are included for consideration as it is possible candidates could be listed prior

to project completion. Species of concern are those taxa whose conservation status is of concern to the Service (many previously known as Category 2 candidates), but for which further information is still needed.

If a proposed project may affect only candidate species or species of concern, the U.S. Bureau of Reclamation is not required to perform a Biological Assessment or evaluation or consult with the Service. However, the Service recommends minimizing impacts to these species to the extent possible in order to prevent potential future conflicts. Therefore, if early evaluation of the project indicates that it is likely to adversely impact a candidate species or species of concern, the U.S. Bureau of Reclamation may wish to request technical assistance from this office.

Your interest in endangered species is appreciated. The Service encourages the U.S. Bureau of Reclamation to investigate opportunities for incorporating conservation of threatened and endangered species into project planning processes as a means of complying with the Act. If you have questions regarding your responsibilities under the Act, please contact Kevin Maurice at (503) 231-6179. All correspondence should include the above referenced file number. For questions regarding salmon and steelhead trout, please contact NOAA Fisheries Service, 525 NE Oregon Street, Suite 500, Portland, Oregon 97232, (503) 230-5400.

For future species list requests, please visit our website ([http://www.fws.gov/pacific/oregonfwo/EndSpp/EndSpp\\_SpLstReq.html](http://www.fws.gov/pacific/oregonfwo/EndSpp/EndSpp_SpLstReq.html)) for instructions on how to make requests.

Enclosures

EnclosureA: Crook COUNTY.PDF

EnclosureB: EnclosureB\_Federal\_Agencies\_Responsibilities.PDF

FEDERALLY LISTED AND PROPOSED ENDANGERED AND THREATENED SPECIES,  
CANDIDATE SPECIES AND SPECIES OF CONCERN THAT MAY OCCUR  
IN CROOK COUNTY

LISTED SPECIES<sup>1/</sup>MammalsCanada lynx<sup>2/</sup>*Lynx canadensis*

T

BirdsBald eagle<sup>3/</sup>*Haliaeetus leucocephalus*

T

FishSteelhead (Middle Columbia River)<sup>4/</sup>  
Bull trout (Columbia River pop.)<sup>7/</sup>*Oncorhynchus mykiss*  
*Salvelinus confluentus*\*\*T  
CH TPROPOSED SPECIES

None

CANDIDATE SPECIES<sup>4/</sup>Amphibians and ReptilesColumbia spotted frog  
Oregon spotted frog*Rana luteiventris*  
*Rana pretiosa*BirdsYellow-billed cuckoo<sup>5/</sup>*Coccyzus americanus*SPECIES OF CONCERNMammalsPygmy rabbit  
Pale western big-eared bat  
California wolverine  
Silver-haired bat  
Small-footed myotis (bat)  
Long-eared myotis (bat)  
Fringed myotis (bat)  
Long-legged myotis (bat)  
Yuma myotis (bat)  
Preble's shrew*Brachylagus idahoensis*  
*Corynorhinus townsendii pallescens*  
*Gulo gulo luteus*  
*Lasionycteris noctivagans*  
*Myotis ciliolabrum*  
*Myotis evotis*  
*Myotis thysanodes*  
*Myotis volans*  
*Myotis yumanensis*  
*Sorex preblei*BirdsNorthern goshawk  
Western burrowing owl  
Upland sandpiper  
Ferruginous hawk  
Greater sage grouse  
Black tern  
Olive-sided flycatcher  
Willow flycatcher  
Yellow-breasted chat*Accipiter gentilis*  
*Athene cunicularia hypugea*  
*Bartramia longicauda*  
*Buteo regalis*  
*Centrocercus urophasianus*  
*Chlidonais niger*  
*Contopus cooperi borealis*  
*Empidonax trailli adastus*  
*Icteria virens*

Lewis' woodpecker  
Mountain quail  
White-headed woodpecker

*Melanerpes lewis*  
*Oreortyx pictus*  
*Picoides albolarvatus*

Amphibians and Reptiles

Tailed frog

*Ascaphus truei*

Fish

Interior redband trout

*Oncorhynchus mykiss gibbsi*

Invertebrates

Cascades apatanian caddisfly

*Apatania tavalala*

Plants

Henderson ricegrass  
Wallowa ricegrass  
Estes' artemisia  
Bastard kentrophyta  
Upward-lobed moonwort  
Crenulate grape-fern  
Mountain grape-fern  
Peck's mariposa-lily  
Cusick's eriogonum  
Ochoco lomatium  
Disappearing monkeyflower  
Little mousetail  
Oregon semaphore grass  
Howell's thelypody

*Achnatherum hendersonii*  
*Achnatherum wallowaensis*  
*Artemisia ludoviciana* ssp. *estesii*  
*Astragalus tegetarioides*  
*Botrychium ascendens*  
*Botrychium crenulatum*  
*Botrychium montanum*  
*Calochortus longebarbatus* var. *peckii*  
*Eriogonum cusickii*  
*Lomatium ochocense*  
*Mimulus evanescens*  
*Myosurus minimus* ssp. *apus* var. *sessiliflorus*  
*Pleuropogon oregonus*  
*Thelypodium howellii* ssp. *howellii*

(E) - Listed Endangered

(T) - Listed Threatened

(CH) - Critical Habitat has been designated for this species

(PE) - Proposed Endangered

(PT) - Proposed Threatened

(PCH) - Critical Habitat has been proposed for this species

(S) - Suspected

(D) - Documented

*Species of Concern* - Taxa whose conservation status is of concern to the Service (many previously known as Category 2 candidates), but for which further information is still needed.

<sup>1/</sup> U. S. Department of Interior, Fish and Wildlife Service, October 31, 2000, Endangered and Threatened Wildlife and Plants, 50 CFR 17.11 and 17.12

<sup>2/</sup> Federal Register Vol. 65, No. 58, Mar 24, 2000, Final Rule-Canada lynx

<sup>3/</sup> Federal Register Vol. 60, No. 133, July 12, 1995 - Final Rule - Bald Eagle

<sup>4/</sup> Federal Register Vol. 69, No. 86, May 4, 2004, Notice of Review - Candidate or Proposed Animals and Plants

<sup>5/</sup> Federal Register Vol. 66, No. 143, July 25, 2001, 12-Month Finding for a Petition To List the Yellow-billed Cuckoo

ENCLOSURE B

FEDERAL AGENCIES RESPONSIBILITIES UNDER SECTION 7(a) and (c)  
OF THE ENDANGERED SPECIES ACT

**SECTION 7(a)-Consultation/Conference**

Requires: 1) Federal agencies to utilize their authorities to carry out programs to conserve endangered and threatened species;

2) Consultation with FWS when a Federal action may affect a listed endangered or Threatened species to insure that any action authorized, funded or carried out by a Federal agency is not likely to jeopardize the continued existence of listed species or result in the destruction or adverse modification of Critical Habitat. The process is initiated by the Federal agency after they have determined if their action may affect (adversely or beneficially) a listed species; and

3) Conference with FWS when a Federal action is likely to jeopardize the continued existence of a proposed species or result in destruction or adverse modification of proposed Critical Habitat.

**SECTION 7(c)-Biological Assessment for Major Construction Projects<sup>1</sup>**

Requires Federal agencies or their designees to prepare a Biological Assessment (BA) for construction projects only. The purpose of the BA is to identify proposed and/or listed species which are/is likely to be affected by a construction project. The process is initiated by a Federal agency in requesting a list of proposed and listed threatened and endangered species (list attached). The BA should be completed within 180 days after its initiation (or within such a time period as is mutually agreeable). If the BA is not initiated within 90 days of receipt of the species list, the accuracy of the species list should be informally verified with our Service. No irreversible commitment of resources is to be made during the BA process which would foreclose reasonable and prudent alternatives to protect endangered species. Planning, design, and administrative actions may be taken; however, no construction may begin.

To complete the BA, your agency or its designee should: (1) conduct an on-site inspection of the area to be affected by the proposal which may include a detailed survey of the area to determine if any species are present and whether suitable habitat exists for either expanding existing populations or for potential reintroduction of species; (2) review literature and scientific data to determine species distribution(s), habitat needs, and other biological requirements; (3) interview experts including those within FWS, National Marine Fisheries Service, State conservation departments, universities, and others who may have data not yet published in scientific literature; (4) review and analyze the effects of the proposal on the species present in terms of effects to individuals and populations, including consideration of cumulative effects to the species and habitat; (5) analyze alternative actions that may provide conservation measures and (6) prepare a report documenting the results, including a discussion of study methods used, any problems encountered, and other relevant information. The BA should conclude whether or not any listed species will be affected. Upon completion, the report should be forwarded to our Portland Office at 2600 SE 98<sup>th</sup> Ave., Suite 100, Portland, Oregon, 97266.

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<sup>1</sup>A construction project (or other undertaking having similar physical impacts) which is a major Federal action significantly affecting the quality of the human environment as referred to in NEPA (42 U.S.C. 4332. (2)c). On projects other than construction, it is suggested that a biological evaluation similar to the biological assessment be undertaken to conserve species influenced by the Endangered Species Act.

## **Email correspondence with Spencer Hovekamp of NOAA regarding Essential Fish Habitat (EFH) at Prineville Reservoir:**

**From:** "Spencer Hovekamp" <spencer.hovekamp@noaa.gov>  
**To:** Jenny Severson <Jsse@deainc.com>  
**Date:** 5/26/2006 8:40:15 A.M.  
**Subject:** Re: EFH status, Prineville Reservoir Oregon

Hello Jenny. You are correct, the Crooked River upstream of Bowman Dam, including Prineville Reservoir, is not designated Essential Fish Habitat under the Magnuson-Stevens Act. No consultation with NMFS is necessary regarding your proposed action.

Spencer Hovekamp  
Eastern Oregon Branch Chief  
National Marine Fisheries Service

Jenny Severson wrote:

Hi Spencer,

Thank you for taking the time to chat with me yesterday; your help was greatly appreciated. This email summarizes our phone call of May 25, 2006.

Bowman Dam is located on the Crooked River of Central Oregon, and creates the Prineville Reservoir. Our project is at Powder House Cove, approximately 1/2 to 3/4 mile upstream of the Bowman Dam, on the south west shore of the Reservoir. The project entails boat ramp work during the reservoir drawdown period, along with new parking facilities and an access road upland of the Reservoir.

As per our conversation, it is my understanding that upstream of Bowman Dam is not considered Essential Fish Habitat, and that Bureau of Reclamation and Oregon Parks and Recreation Department will not need to consult with NOAA regarding Essential Fish Habitat for the proposed Powder House Cove project.

I look forward to your confirmation of this understanding, and thank you again for your time!

Jenny Severson  
Environmental Planner  
David Evans and Associates, Inc  
709 Wall Street, Suite 102  
Bend, OR 97701  
541.389.7614



# Notice of Powder House Cove Expansion Project

June 13, 2006

Larry Miller  
OPRD/Area 5 Manager  
1645 NE Forbes Rd, Suite 112  
Bend, OR 97701

Oregon Parks & Recreation Department (OPRD) is working on an Environmental Assessment to address the impacts of expanding the Powder House Cove facilities at Prineville Reservoir. The Prineville Reservoir Resource Management Plan (RMP) has already identified the need for improvements at Powder House Cove, but in order to more directly assess the impacts of the proposed project, an Environmental Assessment (EA) will be completed. This memo is simply to notify you that OPRD and the Bureau of Reclamation plan on moving forward with the EA. OPRD welcomes any comments you may have regarding this project.

The preferred alternative consists of the following elements (as shown in the RMP):

- New boat launch east of the existing boat launch
- Realigned entrance
- New road from entrance to proposed boat launch and parking area
- New truck and trailer parking area at boat launch (120 spaces maximum)
- Demolition of existing boat ramp and related facilities
- Day use area and Trailhead facility
- Storm water conveyance facilities (swales)
- New vault toilets at proposed boat launch area

See the attached figure for the conceptual plan for the Powder House Cove expansion. Please note that details of the design may change based on environmental and engineering constraints, but this sketch illustrates the basic concepts of the preferred alternative.

Any concerns or comments can be sent to the following address:

Oregon Parks & Recreation Department  
Attn: Letha Sanderson  
1645 NE Forbes Rd., Suite 112  
Bend, Oregon 97701

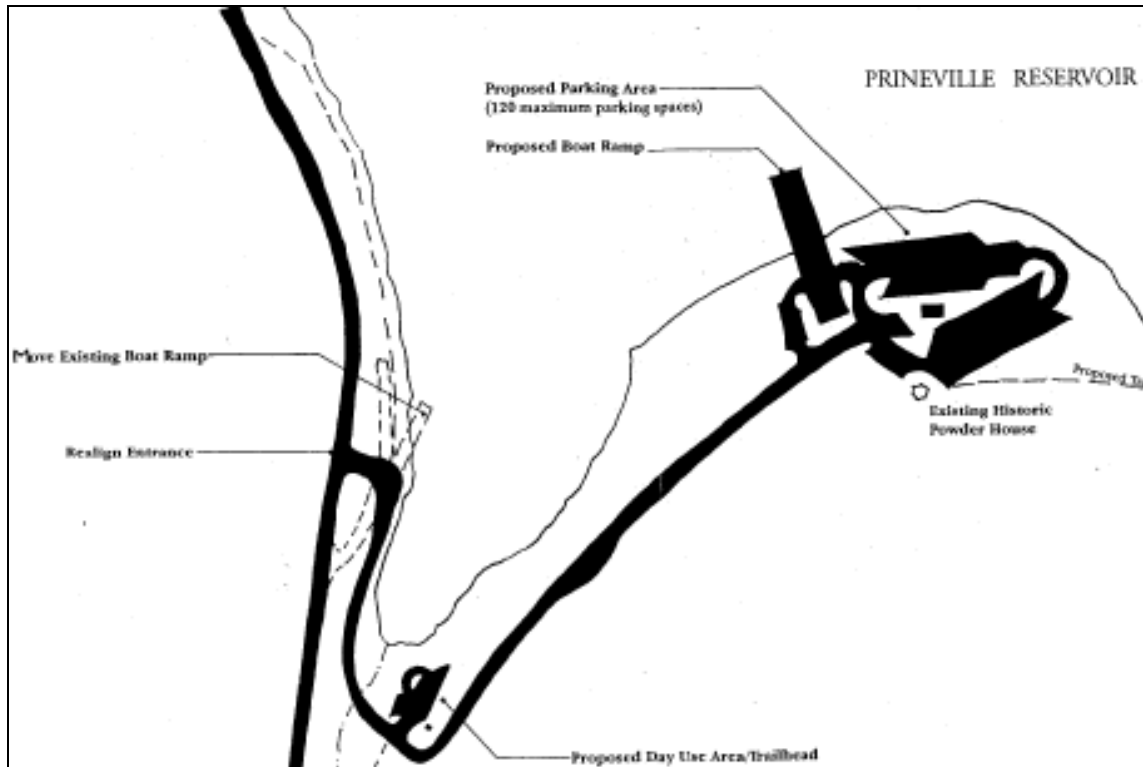
Once the Draft Environmental Assessment is completed there will be a formal 30 day comment period in which to respond. A copy will be forwarded to you for comments.

Sincerely,

Letha Sanderson  
Program Coordinator

# Attachment for Notice of Powder House Cove Expansion Project

## Powder House Cove Expansion Conceptual Plan for Preferred Alternative



# Recipients of Notice of Powder House Cove Expansion Project

**Tanya Sommer**

Bureau of Reclamation  
1201 NE Lloyd Blvd.  
Portland, OR 97232

**Vicky Kellerman**

Bureau of Reclamation  
1150 North Curtis Rd.  
Boise, ID 83706-1234

**Larry Zakrasjek**

Bureau of Reclamation  
1375 SE Wilson Ave.  
Bend, OR 97701

**Robert Brunoe, Natural  
Resource Manager**

Confederated Tribes of Warm  
Springs  
Warm Springs, OR 97761

**Bill Zelenka**

Crook County Planning Dept.  
300 NE 3rd  
Prineville, OR 97754

**Jim Hensley**

Crook County Sheriff's Dept.  
308 NE 2nd  
Prineville, OR 97754

**Jason Dedrick**

Crook County Watershed Council  
489 SE Lynn Blvd.  
Prineville, OR 97754

**Planning Director**

Deschutes County Planning Dept.  
117 NW Lafayette Ave.  
Bend, OR 97701

**Russell Rhoden**

Ochoco Irrigation District  
1001 N. Deer St.  
Prineville, OR 97754

**Tom Mottl**

Bureau of Land Management  
3050 NE Third  
Prineville, OR 97754

**John Swanson**

Bureau of Land Management  
3050 NE Third  
Prineville, OR 97754

**Wayne Shuyler**

Oregon State Marine Board  
PO Box 14145  
Salem, OR 97309-5065

**Brian Ferry**

ODFW  
2042 SE Paulina Highway  
Prineville, OR 97754

**Larry Miller**

OPRD  
1645 NE Forbes Rd.  
Bend, OR 97701

**Letha Sanderson**

OPRD  
1645 NE Forbes Rd.  
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**Kathy Schutt**

OPRD  
725 Summer St. NE, Ste C  
Salem, OR 97301

**Amy Gillette**

OPRD  
725 Summer St. NE, Ste. C  
Salem, OR 97301

**Jerry Cordova**

US Fish & Wildlife Service  
20310 Empire Ave  
Bend, OR 97701

**Steve Memminger**

OPRD/Prineville Res. State Park  
19020 SW Parkland Drive  
Prineville, OR 97754

**Bill Crawford**

OPRD/The Cove Palisades State  
Park  
7300 Jordan Rd  
Culver, OR 97734



## United States Department of the Interior

BUREAU OF RECLAMATION  
Pacific Northwest Region  
Lower Columbia Area Office  
1201 NE Lloyd Boulevard, Suite 750  
Portland, Oregon 97232



IN REPLY REFER TO:  
LCA-6000  
ENV-3.00

JUN 21 2006

Dr. Dennis Griffin  
Staff Archaeologist  
Oregon State Historic Preservation Office  
1115 Commercial Street NE, Suite 2  
Salem, OR 97301-1012

Subject: Cultural Resources Investigations for the Powderhouse Cove Area of Prineville Reservoir, Crook County, Oregon

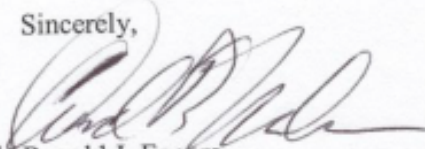
Dear Dr. Griffin:

Enclosed are a letter report (Claeyssens 2006) documenting cultural resource inventories and a finding of No Historic Properties that supplements past inventories by Regan and Crisson (1998) and Oetting (2003) of the proposed Powderhouse Cove project located at Prineville Reservoir, Crook County, Oregon.

Claeyssens located two isolated finds and Regan and Crisson located three isolated finds, for a total of five located in or near the project area. Isolated find records are enclosed, as are copies of Regan and Crisson and Oetting.

If you have any further questions, please contact Mr. Larry Zakrajsek of our Bend Field Office, 1375 S.E. Wilson Avenue, Suite 200, Bend, OR 97701, phone 541-389-6541, or email at: [zakhome@bendcable.com](mailto:zakhome@bendcable.com).

Sincerely,

  
ACTING FOR Ronald J. Eggers  
Area Manager



# Oregon

Theodore R. Kulongoski, Governor

## Parks and Recreation Department

State Historic Preservation Office

725 Summer St. NE, Suite C

Salem, OR 97301-1271

(503) 986-0707

FAX (503) 986-0793

[www.hcd.state.or.us](http://www.hcd.state.or.us)

August 24, 2006

Mr. Ronald Eggers  
Bureau of Reclamation PNW Region  
1201 NE Lloyd Blvd., Suite 750  
Portland, OR 97232-1274

RECEIVED  
SEP 07 2006

RE: SHPO Case No. 06-1541  
Powderhouse Cove Area of Prineville Reservoir Project  
17S 16E 11, 14, Crook County

Dear Ronald:

Our office recently received your report about the project referenced above. I have reviewed your report and agree that the project will have no affect on any known cultural resources. No further archaeological research is needed with this project.

Please be aware, however, that if during development activities you or your staff encounters any cultural material (i.e., historic or prehistoric), all activities should cease immediately and an archaeologist should be contacted to evaluate the discovery. Under state law (ORS 358.905-955) it is a Class B misdemeanor to impact an archaeological site on public or private land in Oregon. Impacts to Native American graves and cultural items are considered a Class C felony (ORS 97.740-760). If you have any questions regarding any future discovery or my letter, feel free to contact our office at your convenience.

*Mollie Manion*

Mollie Manion M.A.  
SHPO OTIA Archaeologist  
(503) 986-0683  
[Mollie.Manion@state.or.us](mailto:Mollie.Manion@state.or.us)

CC: Letha Sanderson (ORPD)





# Oregon

Theodore R. Kulongoski, Governor

## Parks and Recreation Department

Heritage Conservation Division

725 Summer St. NE, Suite C

Salem, OR 97301-1271

(503) 986-0707

FAX (503) 986-0793

www.hcd.state.or.us

RECEIVED  
SEP 01 2006

August 25, 2006

Mr. Ronald Eggers  
Bureau of Reclamation PNW Region  
1201 NE Lloyd Blvd., Suite 750  
Portland, OR 97232-1274

RE: SHPO Case No. 06-1541  
Powderhouse Cove Area of Prineville Reservoir Project  
17S 16E 11, 14, Crook County

Dear Mr. Eggers:

We have reviewed the materials submitted on the project referenced above, and we concur with the determination that the powderhouse is eligible as part of a potential Bowman Dam Historic District in accordance with 36 CFR Part 60.4. There will be no historic properties adversely affected for this boat ramp construction. Additionally, we recommend that this powderhouse be incorporated into the overall design of the visitor use area and interpreted for the public.

Our response here is to assist you with your responsibilities under Section 106 of the National Historic Preservation Act (per 36 CFR Part 800). Please feel free to contact me if you have further questions, comments or need additional assistance.

Sincerely,

Sarah Jalving  
Historic Compliance Specialist  
(503) 986-0679 or Sarah.Jalving@state.or.us



# Powder House Cove Expansion Final EA Distribution List

**Tanya Sommer**

Bureau of Reclamation  
1201 NE Lloyd Blvd.  
Portland, OR 97232

**Vicky Kellerman**

Bureau of Reclamation  
1150 North Curtis Rd.  
Boise, ID 83706-1234

**Larry Zakrasjek**

Bureau of Reclamation  
1375 SE Wilson Ave.  
Bend, OR 97701

**Robert Brunoe, Natural  
Resource Manager**

Confederated Tribes of Warm  
Springs  
Warm Springs, OR 97761

**Bill Zelenka**

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Prineville, OR 97754

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20310 Empire Ave, Suite A 100  
Bend, OR 97701-5713

**Steve Memminger**

OPRD/Prineville Res. State Park  
19020 SW Parkland Drive  
Prineville, OR 97754

**Bill Crawford**

OPRD/The Cove Palisades State  
Park  
7300 Jordan Rd  
Culver, OR 97734

**Eric Nigg**

OR Dept. of Environmental  
Quality  
2146 NE Fourth St. #104  
Bend, OR 97701

# Powder House Cove Expansion Final EA Distribution List, Continued

**Nancy Pustis**

OR Department of State Lands  
1645 NW Forbes Rd., Suite 112  
Bend, OR 97701

**Bend Public Library**

601 Wall Street  
Bend, OR 97701

**Crook County Library**

175 NW Meadow Lakes Dr  
Prineville, OR 97754

**Crook County Historical  
Society**

246 N. Main Street  
Prineville, OR 97754



# APPENDIX B

## Plant Species in Powder House Cove Area and Wildlife Species at Prineville Reservoir

### PLANTS

Prineville Reservoir, Powder House Cove Area  
Rick Demmer and JoAnne Armson  
April, 2006

#### Grasses and grasslike species

<i>Agropyron cristatum</i>	Crested wheatgrass
<i>Agropyron intermedia</i>	Intermediate wheatgrass
<i>Bromus tectorum</i>	Cheatgrass
<i>Carex sp</i>	Sedge
<i>Distichlis stricta</i>	Saltgrass
<i>Elymus cinereus</i>	Basin wildrye
<i>Elymus elymoides</i>	Bottlebrush squirreltail
<i>Festuca idahoensis</i>	Idaho fescue
<i>Juncus balticus</i>	Baltic rush
<i>Koeleria cristata</i>	June grass
<i>Oryzopsis hymenoides</i>	Indian ricegrass
<i>Poa pratensis</i>	Kentucky bluegrass
<i>Poa secunda</i>	Sandberg's bluegrass
<i>Pseudoroegneria spicata</i>	Bluebunch wheatgrass
<i>Stipa thurberiana</i>	Thurber's needle grass
<i>Vulpia octoflora</i>	Six-weeks fescue

#### Forbs

<i>Achillea millefolium</i>	Yarrow
<i>Alyssum alyssoides</i>	Pale alyssum
<i>Allium sp.</i>	
<i>Antennaria dimorpha</i>	Pussy toes
<i>Arabis sp.</i>	Rockcress
<i>Astragalus conjunctus</i>	Milkvetch
<i>Astragalus filipes</i>	Milkvetch
<i>Astragalus purshii</i>	Milkvetch
<i>Centaurea maculosa</i>	Spotted knapweed
<i>Centaurea repens</i>	Russian knapweed
<i>Cirsium vulgare</i>	Bull thistle
<i>Conyza canadensis</i>	
<i>Collinsia sparsiflora</i>	
<i>Descurania sp.</i>	

**Forbes (Cont.)**

<i>Draba verna</i>	
<i>Erigeron</i> sp.	Fleabane
<i>Fritillaria pudica</i>	Yellow fritillary
<i>Haplopappus</i> sp.	
<i>Leptodactylon pungens</i>	
<i>Lewisia rediviva</i>	Bitterroot
<i>Lithophragma bulbifera</i>	
<i>Linum perenne</i>	
<i>Lomatium</i> spp.	
<i>Melilotus</i> sp.	
<i>Penstemon</i> sp.	
<i>Phlox hoodii</i>	
<i>Ranunculus glaberrimus</i>	
<i>Ranunculus testiculatus</i>	Burr buttercup
<i>Rumex crispus</i>	Rumex
<i>Sedum</i> sp.	
<i>Senecio</i> sp.	
<i>Verbascum thapsus</i>	Mullein

**Shrubs and half-shrubs**

<i>Artemisia tridentata</i> subsp. <i>tridentata</i>	Big sagebrush
<i>Chrysothamnus nauseosus</i>	Gray rabbitbrush
<i>Chrysothamnus viscidiflorus</i>	Green rabbitbrush
<i>Eriogonum microthecum</i>	Buckwheat
<i>Eriogonum ovalifolium</i>	Buckwheat
<i>Eriogonum sphaerocephalum</i>	Buckwheat
<i>Ribes velutinum</i>	Gooseberry
<i>Salix</i> sp.	Willow

**Trees**

<i>Juniperus occidentalis</i>	Western juniper
<i>Pinus ponderosa</i>	Ponderosa pine

## **WILDLIFE**

BOR Prineville Reservoir Wildlife Study Final Report, Gary Clowers, 2005

### **Raptors**

Bald eagle (*Haliaeetus leucocephalus*)  
Golden eagle (*Aquila chrysaetos*)  
Osprey (*Pandion haliaetus*)  
Northern harrier (*Circus cyaneus*)  
Western red-tailed hawk (*Buteo jamaicensis*)  
Cooper's hawk (*Accipiter cooperii*)  
Sharp-shinned hawk (*Accipiter striatus*)  
Peregrine falcon (*Falco peregrinus anatum*)  
Pacific merlin (*Falco columbarius*)  
Prairie falcon (*Falco mexicanus*)  
American kestrel (*Falco sparverius*)  
Great-horned owl (*Bubo virginianus*)  
Long-eared owl (*Asio otus*)

### **Other Birds**

White pelican (*Pelecanus erythrorhynchos*)  
Great-blue heron (*Ardea herodias*)  
Black-crowned night heron (*Nycticorax nycticorax*)  
Double-crested cormorant (*Phalacrocorax auritus*)  
American coot (*Fulica americana*)  
Western Canada goose (*Branta canadensis moffitti*)  
Mallard (*Anas platyrhynchos*)  
American wigeon (*Anas americana*)  
Northern shoveler (*Anas clypeata*)  
Green-winged teal (*Anas crecca*)  
Ring-necked duck (*Aythya collaris*)  
Common goldeneye (*Bucephala clangula*)  
Common merganser (*Mergus merganser*)  
Ring-billed gull (*Larus delawarensis*)  
California gull (*Larus californicus*)  
Belted kingfisher (*Ceryle alcyon*)  
Western grebe (*Aechmophorus occidentalis*)  
Clark's grebe (*Aechmophorus clarkii*)  
Horned grebe (*Podiceps auritas*)  
Pied-billed grebe (*Podilymbus podiceps*)  
Common loon (*Gavia immer*)  
Spotted sandpiper (*Actitis macularia*)  
Killdeer (*Charadrius vociferus*)  
Greater yellowlegs (*Tringa melanoleuca*)  
Lesser Yellowlegs (*Tringa flavipes*)

## Other Birds (Cont.)

Common snipe (*Gallinago gallinago*)  
Long-billed dowitcher (*Limnodromus scowpaceus*)  
Red-necked phalarope (*Phalaropus lobatus*)  
Pectoral sandpiper (*Calidris melanotos*)  
Semipalmated sandpiper (*Calidris pusilla*)  
Western sandpiper (*Calidris mauri*)  
Least sandpiper (*Calidris minutilla*)  
Baird's sandpiper (*Calidris bairdii*)  
Turkey vulture (*Cathartes aura*)  
Western raven (*Corvus corax sinuatus*)  
Black-billed magpie (*Pica hudsonia*)  
Pinyon jay (*Gymnorhinus cyanocephalus*)  
Northern flicker (*Colaptes auratus*)  
Common nighthawk (*Chordeiles minor*)  
Spotted towhee (*Pipilo maculatus*)  
California quail (*Callipepla californica*)  
Mountain quail (*Oreotryx pictus*)  
Chukar (*Alectoris chukar*)  
American robin (*Turdus migratorius*)  
Townsend's solitaire (*Myadestes townsendi*)  
Mountain bluebird (*Sialia currucoides*)  
Brewer's blackbird (*Euphagus cyanocephalus*)  
Red-winged blackbird (*Agelaius phoeniceus nevadensis*)  
Rock dove (*Columba livia*)  
Mourning dove (*Zenaidura macroura*)  
Ashthroat flycatcher (*Myiarchus cinerascens*)  
Western kingbird (*Tyrannus verticalis*)  
Say's phoebe (*Sayornis saya*)  
Gray flycatcher (*Empidonax wrightii*)  
Loggerhead shrike (*Lanius ludovicianus*)  
Rock wren (*Salpinctes obsoletus*)  
Canyon wren (*Catherpes mexicanus*)  
Lincoln sparrow (*Melospiza lincolni*)  
Clay-colored sparrow (*Spizella pallida*)  
Chipping sparrow (*Spizella passerina*)  
White-crowned sparrow (*Zonotrichia leucophrys*)  
American pipit (*Anthus rubescens*)  
Cedar waxwing (*Bombicilya cedrorum*)  
Orange-crowned warbler (*Vermivora celata*)  
Yellow warbler (*Dendroica petechia*)  
Black-throated gray warbler (*Dendroica nigrescens*)  
Yellow-rumped warbler (*Dendroica coronata*)  
Western tanager (*Piranga ludoviciana*)  
Black-headed grosbeak (*Pheucticus melanocephalus*)

## **Other birds (Cont.)**

Dark-eyed junco (*Junco hyemalis*)  
Western meadowlark (*Sturnella neglecta*)  
Brown-headed Cowbird (*Molothrus ater*)  
Bullock's oriole (*Icterus bullockii*)  
House finch (*Carpodacus mexicanus*)  
American goldfinch (*Carduelis tristis*)  
House sparrow (*Passer domesticus*)  
European starling (*Sturnus vulgaris*)  
Mountain chickadee (*Pocile gambeli*)  
Warbling vireo (*Vireo gilvus*)  
Red-eyed vireo (*Vireo olivaceus*)  
Bank swallow (*Riparia riparia*)  
Violet-green swallow (*Tachycineta thalassina*)

## **Mammals**

Mule deer (*Odocoileus hemionus*)  
Bobcat (*Lynx rufus*)  
Coyote (*Canis latrans*)  
American beaver (*Castor Canadensis*)  
Northern river otter (*Lontra Canadensis*)  
Muskrat (*Ondatra zibethicus*)  
Black-tailed jackrabbit (*Lepus californicus*)  
Mountain cottontail (*Silvilagus nuttallii*)  
California ground squirrel (*Spermophilus beecheyi*)  
Belding's ground squirrel (*Spermophilus beldingi*)  
Golden-mantled ground squirrel (*Spermophilus lateralis*)  
Least chipmunk (*Tomais minimus*)

## **Herps**

Western toad (*Bufo boreas*)  
Northern Pacific rattlesnake (*Crotalus viridis oreganus*)  
Great-basin gophersnake (*Pituophis catenifer deserticola*)  
Western yellow-bellied racer (*Colubar constrictor mormon*)  
Great-basin fence lizard (*Sceloporus occidentalis longipes*)

The above list reflects all species recognized and noted between 9/30/03 and 10/30/05 at Prineville Reservoir by Raven Research and others in the course of this study. Bird species were included from observations by Craig and Marilyn Miller, Chuck Gates and Stephen Dougill, who make regular birding surveys in the entire reservoir area.

## Rare Species known from the ORNHIC High Lava Plains Ecoregion, Oregon

<u>Scientific Name</u>	<u>Common Name</u>	<u>Heritage Global Rank</u>	<u>Heritage State Rank</u>	<u>Federal Status</u>	<u>State Status</u>	<u>ONHP LIST</u>
Achnatherum hendersonii	Henderson ricegrass	G3	S2	SOC	C	1
Allium campanulatum	Sierra onion	G4	S3			
Allium pleianthum	Many-flowered onion	G3Q	S3			
Allium tolmiei var. platyphyllum	Flat-leaved tolmie's onion	G4T3Q	S3?			3
Artemisia ludoviciana ssp. estesii	Estes' artemisia	G5T2	S2	SOC		1
Astragalus diaphanus var. diaphanus	Transparent milk-vetch	G3G4T3Q	S3			
Astragalus diaphanus var. diurnus	South John Day milk-vetch	G3G4T2Q	S2		LT	1
Astragalus peckii	Peck's milk-vetch	G3	S3		LT	1
Astragalus tegetarioides	Bastard kentrophyta	G3	S3	SOC	C	1
Calochortus longebarbatus var. peckii	Peck's mariposa-lily	G4T3	S3	SOC	C	1
Camissonia pygmaea	Dwarf evening-primrose	G3	S1	SOC	C	1
Carex hystericina	Porcupine sedge	G5	S2			2
Carex interior	Inland sedge	G5	S3			4
Castilleja chlorotica	Green-tinged paintbrush	G3	S3			1
Castilleja xanthotricha	Yellow-haired indian-paintbrush	G4	S4			
Chaenactis nevii	Nevius' chaenactis	G4	S4			4
Collomia macrocalyx	Bristle-flowered collomia	G3G4	S3S4			
Coryphantha vivipara var. vivipara	Cushion coryphantha	G5T4	S1			2
Cryptantha rostellata	Beaked cryptantha	G4	S1			
Gilia sinistra ssp. sinistra	Sinister gilia	G4G5T4T5	SNR			3
Heuchera grossulariifolia var. grossulariifolia	Gooseberry-leaved alumroot	G4T4	S4			
Juncus torreyi	Torrey's rush	G5	S2			
Lesquerella douglasii	Columbia bladderpod	G4?	SNR			3
Linanthus bakeri	Baker linanthus	G5	SU			
Lomatium farinosum var. hambleniae	Hamblen's lomatium	G4G5T4	S1			2
Lomatium laevigatum	Smooth desert parsley	G3	S3			4
Lomatium sp. 2	Ochoco lomatium	G1	S1	SOC		1
Lomatium watsonii	Watson's desert-parsley	G4	S1			2
Luina serpentina	Colonial luina	G2	S2	SOC		1
Lupinus biddlei	Biddle's lupine	G5T3	S3			4
Malacothrix stebbinsii	Stebbins desert-dandelion	G3?	SNR			3
Mimulus evanescens	Disappearing monkeyflower	G2	S2	SOC	C	1
Mimulus jungermannioides	Hepatic monkeyflower	G2	S2		C	1
Mimulus washingtonensis var. washingtonensis	Washington monkeyflower	G4T4	S4			
Penstemon deustus var. variabilis	Hot-rock penstemon	G5T1T2	SNR			3
Penstemon eriantherus var. argillosus	John Day penstemon	G4T4	S4			
Penstemon peckii	Peck's penstemon	G3	S3	SOC		1
Penstemon seorsus	Short-lobed beardtongue	G4?	S3			4
Ribes inerme var. klamathense	Klamath gooseberry	G5T3?	SNR			3
Salix bebbiana	Bebb's willow	G5	S4			
Scribneria bolanderi	Scribner's grass	G3G4	S3			4
Silene scaposa var. scaposa	Scapose catchfly	G4T3T4	S3S4			
Talinum spinescens	Spiny flame-flower	G4	S2			2
Texosporium sancti-jacobi	Woven-spored lichen	G2	S1	SOC		2
Thelypodium eucosmum	Arrow-leaf thelypody	G2	S2	SOC	LT	1
Thelypodium howellii ssp. howellii	Howell's thelypody	G2T2	SH	SOC		

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