

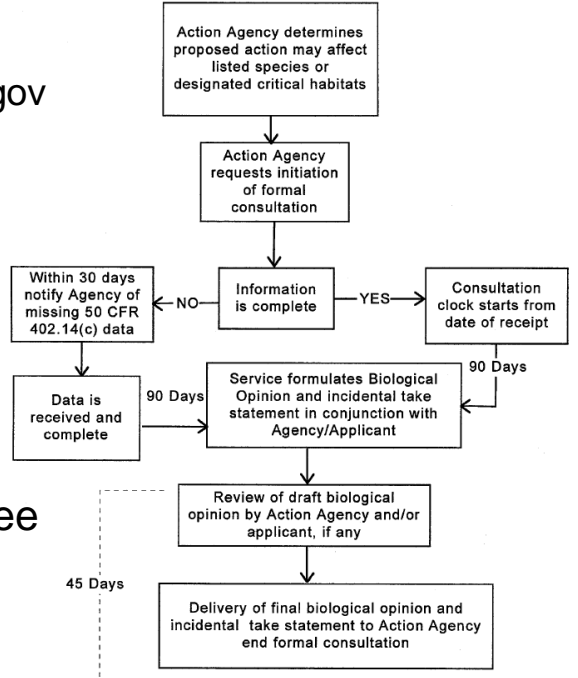
Endangered Species Act Consultation



The U.S. Fish and Wildlife Service's mission is to work with others to conserve, protect and enhance fish, wildlife, and plants and their habitats for the continuing benefit of the American people.

- Administration of the Endangered Species Act
 - Section 9: “take” prohibitions
 - Section 10: non-federal project
 - Section 7: federal nexus present
- Programmatic Consultations for Restoration Actions
 - Habitat Improvement Program (HIP 4)
 - Federal Partner: Bonneville Power Administration
 - Staff Biologist: Elizabeth (Lizzy) McKeag | elizabeth_mckeag@fws.gov
 - Fish Passage and Habitat Restoration Programmatic (FPRP)
 - Federal Partner: Army Corps of Engineers
 - Staff Biologist: William (Travis) Neal | william_neal@fws.gov
 - Aquatic Restoration Biological Opinion (ARBO II)
 - Federal Partner: USFWS, BIA, BLM
 - Staff Biologist: Stuart Fety | stuart_fety@fws.gov (Wenatchee north)
 - David Dayan | david_dayan@fws.gov (Wenatchee south)

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 Sacramento Fish and Wildlife Office
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 2800 Cottage Way, Room 200
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In Reply Refer To:
 Project Code: 2023-0025918
 Project Name: Kibbe Road/SR 20 Intersection Improvement

Subject: List of threatened and endangered species that may be affected by your proposed project at the location or may be affected by your proposed project.

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, and sensitive species that may be affected by your proposed project and/or may be affected by your proposed project requirements of the U.S. Fish and Wildlife Service (Service) under the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531-1544).

New information based on updated surveys, changes in the status of species, changed habitat conditions, or other factors could affect the results of this consultation.

Aquatic Restoration Biological Opinion (ARBO II)

Federal Action Agency: US Forest Service (USFS), Bureau of Indian Affairs (BIA), Bureau of Land Management (BLM)

Action Area: projects funded by or carried out on land administered by USFS and BLM offices in Oregon and Washington (lands in Oregon, Washington, Idaho, Nevada and California) and on private lands where they can help achieve action agency goals

Scope: Analyzes for multiple terrestrial and aquatic species and critical habitat

- Likely to adversely affect: bull trout & CH, marbled murrelet, northern spotted owl
 - Management surrogates: visible suspended sediments no more than 10% increase, limit in 5-year period to amount of streambank and channel alteration and upland vegetation disturbance
- Not likely to adversely affect: additional species (e.g., gray wolf, Canada lynx)

Primary Contact & Administration: USFS/BLM Biologists

- Action Agency representative works with project proponent to incorporate the appropriate aquatic and terrestrial conservation measures and design criteria into implementation plans and contracting

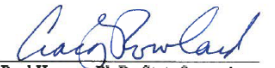
Streamlining Level 1 Team

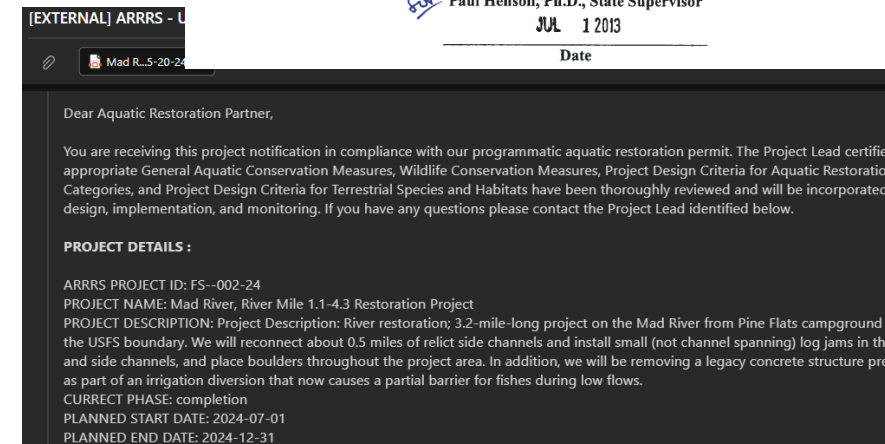
- Presentation by project proponent to review and discuss design features and conservation measures
- Minor Variance Process
- Action Agency provides Notification Form to arbo@fws.gov and Level 1 Team members 30 days prior to implementation
- Action Agency submits project completion report
- Some projects require Restoration Review Team Approval (e.g., Dam Removal, Channel Reconstruction/Relocation)



Endangered Species Act – Section 7 Consultation
Programmatic Biological Opinion
for Aquatic Restoration Activities in the States of
Oregon, Washington and portions of California, Idaho and Nevada
(ARBO II)
[FWS reference: 01EOFW00-2013-F-0090].

Prepared by the Oregon Fish and Wildlife Office
U.S. Fish and Wildlife Service
Portland, Oregon


for Paul Henson, Ph.D., State Supervisor
JUL 1 2013
Date



Aquatic Restoration Biological Opinion (ARBO II) | Engineered Logjams



Project Categories: 20 Restoration Categories

- Large Wood, Boulder, and Gravel Placement
 - **Engineered Logjams (ELJs)** ELJs within this BO are defined as: “any large wood structure that includes an anchoring system, such as rebar pinning, ballast rock, or vertical posts. Passive soil earth pressure (burying wood into a streambank) is not considered an anchoring system.”
 - ELJs that occupy **greater than 25%** of the cross-sectional bankfull area require fish passage review NMFS (primary)/USFWS
 - 8 design criteria (e.g., trees with root wads min length 1.5 times bankfull channel), interplay with other sections (e.g., tree removal: only in fully stocked stands, gap creation; piles can only be driven into dewatered areas...)

