

# Categorical Exclusion Determination

Bonneville Power Administration  
Department of Energy



**Proposed Action:** Columbia Land Trust Action Effectiveness Monitoring

**Project No.:** 2010-073-00

**Project Manager:** Anne Creason, EWL-4

**Location:** Clark and Wahkiakum Counties, Washington; Multnomah and Clatsop Counties, Oregon

**Categorical Exclusion Applied (from Subpart D, 10 C.F.R. Part 1021):** B3.3 – Research related to conservation of fish, wildlife, and cultural resources

**Description of the Proposed Action:** Bonneville Power Administration (BPA) proposes to provide funds to the Columbia Land Trust (CLT) to work with local and regional partners to complete a number of assessments as part of the Columbia Estuary Ecosystem Restoration Program's (CEERP) Level 3 Action Effectiveness Monitoring and Research (AEMR). The AEMR would inform future restoration implementation and action effectiveness in Clark and Wahkiakum Counties, Washington and Multnomah and Clatsop Counties, Oregon.

Level 3 AEMR would be conducted at multiple BPA-funded restoration sites in the Columbia River Estuary, including: Lower Elochoman II, Lower Elochoman III, Kerry Island, Wallacut, and Mill Road. The monitoring would include: photo points, water surface elevation, water temperature, sediment accretion, and available elevation datasets.

Fieldwork for these projects would begin in the spring and would be expected to extend through the fall each year. Methods would consist of walking field sites and utilizing standard field tools by hand. Protocols would consist of installing and maintaining water level loggers; collecting water level and water temperature data; and performing sediment accretion monitoring and photo point monitoring per the standardized monitoring protocols found in Protocols for Monitoring Habitat Restoration Projects in the Lower Columbia River and Estuary (Roegner, et. al. 2009). Monitoring points and data logger locations would be permanently marked in the field and recorded with a Global Positioning System (GPS) to allow for the collection of data in future years.

There would be very minimal ground disturbance associated with the maintenance of installing water surface elevation and temperature loggers and one-inch-diameter PVC pipes approximately two and a half feet deep associated with accretion monitoring. For water surface elevation and temperature monitoring, existing one-inch-wide T-posts would be pulled from the ground when they are removed for construction and re-installed approximately two feet deep into new locations within channels.

Funding the proposed activities fulfills ongoing commitments under the 2020 National Marine Fisheries Service Columbia River System Biological Opinion (2020 NMFS CRS BiOp),

commitments specified in the 2020 U.S. Fish and Wildlife Service Columbia River System BiOp (2020 FWS CRS BiOp), while also supporting ongoing efforts to mitigate for effects of the FCRPS on fish and wildlife in the mainstem Columbia River and its tributaries pursuant to the Pacific Northwest Electric Power Planning and Conservation Act of 1980 (Northwest Power Act) (16 U.S.C. (USC) 839 et seq.).

**Findings:** In accordance with Section 1021.410(b) of the Department of Energy's (DOE) National Environmental Policy Act (NEPA) Regulations (57 FR 15144, Apr. 24, 1992, as amended at 61 FR 36221-36243, Jul. 9, 1996; 61 FR 64608, Dec. 6, 1996, 76 FR 63764, Nov. 14, 2011), BPA has determined that the proposed action:

- 1) fits within a class of actions listed in Appendix B of 10 CFR 1021, Subpart D (see attached Environmental Checklist);
- 2) does not present any extraordinary circumstances that may affect the significance of the environmental effects of the proposal; and
- 3) has not been segmented to meet the definition of a categorical exclusion.

Based on these determinations, BPA finds that the proposed action is categorically excluded from further NEPA review.

/s/ Travis D. Kessler

Travis D. Kessler  
Contract Environmental Protection Specialist  
Salient CRGT, Inc.

Reviewed by:

/s/ Chad Hamel

Chad Hamel  
Supervisory Environmental Protection Specialist

Concur:

/s/ Katey C. Grange September 14, 2020

Katey C. Grange Date  
NEPA Compliance Officer

Attachment(s): Environmental Checklist

# Categorical Exclusion Environmental Checklist

This checklist documents environmental considerations for the proposed project and explains why the project would not have the potential to cause significant impacts on environmentally sensitive resources and would meet other integral elements of the applied categorical exclusion.

**Proposed Action:** Columbia Land Trust Action Effectiveness Monitoring

## **Project Site Description**

The proposed project fieldwork would occur on the ground within multiple locations in Clark and Wahkiakum counties, Washington and Multnomah and Clatsop counties, Oregon. Site conditions would vary depending on the location, but would generally occur along various BPA-funded restoration sites in the Columbia River Estuary.

## **Evaluation of Potential Impacts to Environmental Resources**

### **1. Historic and Cultural Resources**

Potential for Significance: No

Explanation: The BPA archeologist determined that the project would have no potential to effect historic properties. The action would be limited to funding on the ground field monitoring in the Columbia River Estuary. There would be very minimal ground disturbance associated with the maintenance of removing and installing T-posts for water surface elevation and temperature loggers and installing PVC pipes associated with accretion monitoring, and these activities would be limited to the stream channel.

### **2. Geology and Soils**

Potential for Significance: No

Explanation: Little impact to geology and soils would occur as there would be very minimal ground disturbance associated with the maintenance of removing and installing T-posts for water surface elevation and temperature loggers and installing PVC pipes associated with accretion monitoring.

### **3. Plants (including Federal/state special-status species and habitats)**

Potential for Significance: No

Explanation: There would be little impact to non-listed plant species and no impacts to ESA-listed, state-listed, or sensitive plant species as there would be very minimal ground disturbance and associated vegetation disturbance.

### **4. Wildlife (including Federal/state special-status species and habitats)**

Potential for Significance: No with Conditions

Explanation: No ESA listed, state-listed, or sensitive wildlife species would be adversely affected by human presence conducting field surveys on the ground. Wildlife present on the site during

field activities may be temporarily disturbed by human presence, but would likely avoid the areas during this time and return once the project work is completed.

However, Critical Habitat for the Columbian white-tailed deer (*Odocoileus virginianus leucurus*) (CWTD) is mapped within the project areas where field monitoring studies would be completed. Although the project areas may contain CWTD, the projects would have no effect on CWTD or their habitat.

Notes: To ensure no effect to CWTD, the sponsor would ensure the following measures:

- During the fawning period, which occurs from June 1 and July 15, project personnel would be instructed not to approach CWTD adults or fawns at any time and reduce speeds around project sites where CWTD occur to avoid vehicle-deer collisions.

## 5. Water Bodies, Floodplains, and Fish (including Federal/state special-status species, ESUs, and habitats)

Potential for Significance: No

Explanation: The project areas are located in the Columbia River Estuary along the Columbia River, its tributaries, and the associated floodplains of these waterbodies. Many ESA-listed fish species are present within the Columbia River Estuary, including: Lower Columbia River Chinook salmon (*Oncorhynchus tshawytscha*), Upper Willamette River Spring-run Chinook salmon, Upper Columbia River spring-run Chinook salmon, Snake River spring/summer run Chinook salmon, Snake River fall-run Chinook salmon, Columbia River chum salmon (*Oncorhynchus keta*), Lower Columbia River Coho salmon (*Oncorhynchus kisutch*), Oregon Coast coho salmon, Snake River sockeye salmon, Lower Columbia River steelhead (*Oncorhynchus mykiss*), Upper Willamette River steelhead, and bull trout (*Salvelinus confluentus*) and their designated critical habitat.

Although ESA-listed species and their habitats are present within the project areas, there would be no impact to waterbodies, floodplains, and ESA-listed, state-listed, special-status species, ESUs, or habitats as a result of the proposed project. There would be very minimal ground disturbance and there would be no sediment run off to adjacent waterbodies.

## 6. Wetlands

Potential for Significance: No

Explanation: There would be very minor ground disturbance within wetland areas associated with the maintenance of removing and installing T-posts for water surface elevation and temperature loggers and installing PVC pipes associated with accretion monitoring. However, this disturbance would create very small non-invasive holes in the soil that are approximately one-inch in diameter and not result in a measureable impact to wetlands or waters of the U.S.

## 7. Groundwater and Aquifers

Potential for Significance: No

Explanation: There would be very minimal ground disturbance that would occur with the maintenance of removing and installing T-posts for water surface elevation and temperature loggers and installing PVC pipes associated with accretion monitoring. Therefore, the work would not affect groundwater or aquifers.

## 8. Land Use and Specially-Designated Areas

Potential for Significance: No

Explanation: No change in land use would occur for the proposed project. The work would consist of walking field sites and utilizing standard field tools by hand.

## 9. Visual Quality

Potential for Significance: No with Conditions

Explanation: The installation of T-posts and PVC pipe would cause a minimal, but unnoticeable, change in the visual quality of the field sites where they would be installed.

## 10. Air Quality

Potential for Significance: No

Explanation: A temporary increase in emissions and dust from vehicles accessing the field sites would be very minor and short term during data collection, but would resume to normal conditions immediately once the fieldwork has been completed.

## 11. Noise

Potential for Significance: No

Explanation: The proposed work would not result in a measureable increase in ambient noise. Field measurements would be taken by hand using hand tools. Occasional noise would occur from driving T-posts or PVC pipe into the ground, but would not be loud enough to cause an issue for the general public or adjacent landowners.

## 12. Human Health and Safety

Potential for Significance: No

Explanation: The proposed work is not hazardous, and it would not result in any health safety risks to the general public. There would be no soil contamination or hazardous conditions.

### **Evaluation of Other Integral Elements**

The proposed project would also meet conditions that are integral elements of the categorical exclusion. The project would not:

**Threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, or similar requirements of DOE or Executive Orders.**

Explanation: N/A

**Require siting and construction or major expansion of waste storage, disposal, recovery, or treatment facilities (including incinerators) that are not otherwise categorically excluded.**

Explanation: N/A

**Disturb hazardous substances, pollutants, contaminants, or CERCLA excluded petroleum and natural gas products that preexist in the environment such that there would be uncontrolled or unpermitted releases.**

Explanation: N/A

**Involve genetically engineered organisms, synthetic biology, governmentally designated noxious weeds, or invasive species, unless the proposed activity would be contained or confined in a manner designed and operated to prevent unauthorized release into the environment and conducted in accordance with applicable requirements, such as those of the Department of Agriculture, the Environmental Protection Agency, and the National Institutes of Health.**

Explanation: N/A

**Landowner Notification, Involvement, or Coordination**

Description: The sponsor (CLT) would notify nearby landowners prior to commencement of the proposed fieldwork, which would occur in areas where previous work has been completed and has landowner support.

Based on the foregoing, this proposed project does not have the potential to cause significant impacts to any environmentally sensitive resource.

Signed: /s/ Travis D.Kessler

September 14, 2020

Travis D. Kessler, ECF-4

Date

Contract Environmental Protection Specialist

Salient CRGT, Inc.