Diana Dupuis
Director

STATE OF WASHINGTON
WASHINGTON STATE PARKS AND RECREATION COMMISSION
EASTERN REGION HEADQUARTERS • CAPITAL DIVISION
270 9th Street NE, Suite 200 • East Wenatchee, WA 98802-4477 • (509) 665-4319
TDD (Telecommunications Device for the Deaf): (360) 664-3133
www.parks.wa.gov

State Environmental Policy Act

Determination of Nonsignificance

Date of Issuance: February 13, 2025

Lead Agency: Washington State Parks and Recreation Commission

Agency Contact: Devin Sola, Environmental Planner
Devin.Sola@parks.wa.gov

Project Name: Pearrygin Lake State Park: Creek Channel Stabilization

Description of Proposal: The Washington State Parks and Recreation Commission (State Parks) proposes to stabilize Pearrygin Creek at Pearrygin Lake State Park. The creek has flooded in the past, and State Park's previous attempts to address flooding have not been successful. This proposal would manipulate earth material to soften the nearly 90-degree angle of the creek, reducing the water's energy, and keeping the water contained within the creek or adjacent controlled areas during flood events.

The proposal consists of three primary components: (1) stabilizing the creek by excavating a bench and channel, adding a live crib wall, large woody material, a berm, and live plant stakes. (2) creating a deformable bank on the west side. (3) creating a crushed rock pathway and adding a split rail fence with two benches to control the access to the creek. Native plantings, apart from the previously mentioned live stakes, will be done after project completion to avoid weeds.

The proposed construction footprint is anticipated to be approximately 155,000 square feet (sf), which includes grading the main channel and berm (34,000 sf), staging areas (17,500 sf), crushed rock path, fence, and benches (5,500 sf), deformable boulder area (2,000 sf), and planting areas with large woody material (96,000 sf). Total excavation will be approximately 4,300 cubic yards (cy), and total fill will be approximately 4,425 cubic yards. The 125-cy difference between the excavation and fill values represents the public access trail and split rail fence. All excavated material will be used as fill to stabilize the creek.

Location of Proposal: The proposed project is located in Pearrygin Lake State Park at 625 Bear Creek Road in Winthrop, WA 98862, within Section 36 of Township 35N, Range 21E Willamette Meridian, on parcel numbers 3521360015 and 3521360043.

Threshold Determination: The lead agency for this proposal has determined that it does not have a probable significant adverse impact to the environment. An Environmental Impact Statement (EIS) is not required under RCW 43.21C.030(2)(c). This decision was made after review of a completed environmental checklist and other information on file with the lead agency. This information is available at: https://parks.state.wa.us/865/SEPA-review---current

This determination is based on the following findings and conclusions:

1. The proposed project will comply with the State Park's Natural Resource Management Policy No. 73-04-1 Protecting State Park's Natural Resources.

2. This project will stabilize Pearrygin Creek, protecting the park campground south of the creek from high water events and frequent flooding by reducing the water's energy, and keeping the water contained within the creek or adjacent controlled areas during flood events.
   a) The fill and excavation associated with this proposal is to stabilize the creek to avoid erosion in the future. Total excavation will be approximately 4,300 cubic yards, and total fill will be approximately 4,425 cubic yards. The 125 cubic yard difference between the excavation and fill values represent the public access trail and split rail fence. All of the excavated material will be used as fill to stabilize the creek.
3. Construction activities will be conducted in such a manner to limit disturbance to the minimum required to complete the work.

4. A temporary erosion and sediment control (TESC) plan will be developed and implemented to limit construction disturbance limits and control erosion. The erosion and sediment control measures used for this project would be implemented in accordance with the requirements of Okanagan County's best management practices (BMP).
   a) BMPs such as silt fence or coir logs will be implemented around excavation areas to prevent erosion and sedimentation into the creek. The Contractor will also be required to cover any temporary stockpile areas if rain is in the forecast.
   b) BMPs will be implemented to prevent waste materials (e.g., oil from leaking vehicles/equipment, etc.) from entering ground water or surface waters during construction such as the use of fiber rolls and/or silt fences and requiring the contractor to maintain vehicles in good working order, during construction as preventative avoidance measures.
   c) Runoff may be mitigated with BMPs such as silt fence, coir logs, or straw bale check dams to limit turbidity into the creek.

5. The work areas will be isolated to install the Live Crib adjacent to Pearrygin Creek. A bulk bag coffer dam with plastic sheeting or equivalent isolation system will be used by the Contractor if surface water is present. Some water pumping may be necessary as well depending on groundwater levels. The Contractor will be required to demonstrate how that turbid water is stored and infiltrated in approved upland areas to limit turbidity into the creek.

6. Landscaping will include the initial live stake plantings to stabilize the creek, followed by future planting after the project is completed to avoid weeds. This will improve conditions for future native vegetation to establish, further stabilizing the creek.

This DNS is issued under WAC 197-11-340(2); the lead agency will not act on this proposal until the comment period has closed. Comments must be submitted by February 27, 2025, or they may not be considered.

Responsible Official: Devin Sola
Position/Title: Environmental Planner
Phone: (360) 755-2812
Address: 220 N. Walnut Street
Burlington, WA 98233

Date: February 13, 2025 **Signature:** 

"All Washington State Parks are developed and maintained for the enjoyment of all persons regardless of age, sex, creed, ethnic origin, or physical limitations."

There is no agency SEPA appeal; however, all comments are welcome and will be thoroughly considered.

SEPA ENVIRONMENTAL CHECKLIST

A. Background [help]

1. Name of proposed project, if applicable:

Pearrygin Lake State Park: Creek Channel Stabilization

2. Name of applicant:

Washington State Parks and Recreation Commission

3. Address and phone number of applicant and contact person:

Washington State Parks and Recreation Commission
Attn: Chelsea Harris
Eastern Region Headquarters
270 9th Street NE, Suite 200
East Wenatchee, WA 98802
chelsea.harris@parks.wa.gov
(509) 423-1671

4. Date checklist prepared:

August 2023 - January 2025

5. Agency requesting checklist:

Washington State Parks and Recreation Commission (State Parks)

6. Proposed timing or schedule (including phasing, if applicable):

Spring 2025

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

There are future plans to develop the west campground and repair the fishing dock at Pearrygin Lake State Park. These proposals will require separate SEPA review.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

The following studies have been prepared or referred to, for this proposal:

- U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey.
- U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC).
- USFWS National Wetlands Inventory Mapper.
- Washington Department of Ecology (Ecology) Water Quality Atlas.
- Ecology What's in My Neighborhood interactive mapping tool.

- Washington Department of Fish and Wildlife (WDFW) Priority Habitat and Species (PHS) Program database.
- WDFW SalmonScape interactive mapping application.
- WDFW Washington State Fish Passage Map application.
- Washington Department of Natural Resources (DNR) Washington Natural Heritage Program database.
- DNR Forest Practices application mapping tool.
- DNR Geographic Information Portal.
- DNR Wetlands of High Conservation Value Map Viewer.
- The Watershed Company. 2007. Pearrygin Creek relocation feasibility assessment at Pearrygin Lake State Park. Kirkland, Washington.
- Visalli D., H.M. Smith IV, and P.H. Morrison. 2006. Rare plant and vegetation survey of Pearrygin Lake State Park. Pacific Biodiversity Institute, Winthrop, Washington.
- Washington State Parks and Recreation Commission. 1965. Master plan report for Pearrygin Lake recreation area.
- Washington State Parks and Recreation Commission. 2006. Pearrygin Lake State Park management plan (CAMP).

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

There are two other projects planned at Pearrygin Lake State Park: (1) the fishing dock replacement and (2) the west campground development. The fishing dock replacement project is planned for construction in fall 2025 (separate environmental review), and the west campground development is in the design phase.

10. List any government approvals or permits that will be needed for your proposal, if known.

- Okanogan County: Critical Areas and Shoreline Review
- Washington Department of Fish and Wildlife: Hydraulic Project Approval
- U.S. Army Corps of Engineers: Section 404 and Section 106
- Washington Department of Ecology: Section 401

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

This proposal is designed to stabilize Pearrygin Creek, which experiences high water events and frequent flooding. Washington State Parks and Recreation Commission (State Parks) has made previous attempts to address the flooding, but water continues to flood the campground directly south of the creek. This proposal would recontour the stream channel to soften the nearly 90-degree angle of the creek, reducing the water's energy, and keeping the water contained within the creek or adjacent controlled areas during flood events.

The proposal consists of three primary components:

1. Stabilizing the creek by excavating a bench and channel, adding a live crib wall, large woody material, a berm, and native plantings (except live stakes) will occur after project completion to avoid weeds
2. Creating a deformable bank stabilization on the west side (protecting the existing sewer lift station). “Deformable” meaning boulders are strategically placed so that when erosion occurs, the boulders are intended drop into the creek to further armor the sloped edge and existing sewer lift station.
3. Creating an ADA crushed rock pathway and split rail fence with two benches to offer controlled access to the creek

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

Pearrygin Lake State Park is located at 625 Bear Creek Road in Winthrop, Washington. The project is located in Section 36 of Township 35N, Range 21E Willamette Meridian, on parcel numbers 3521360015 and 3521360043.

Please see Sheet 1 of 16 for a vicinity map.

B. Environmental Elements [help]

1. Earth [help]

a. General description of the site (circle one):

Flat, rolling, hilly, steep slopes, mountainous, other: _____

b. What is the steepest slope on the site (approximate percent slope)?

According to the NRCS Web Soil Survey (accessed August 21, 2023), the steepest slope on the site is approximately 25 percent.

c. What general types of soils are found on the site (e.g., clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.

According to the NRCS Web Soil Survey (accessed August 21, 2023), the site includes the following types of soil:

- Conconully gravelly ashy loam, 0 to 8 percent slopes
- Newbon gravelly loam, 8 to 25 percent slopes

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

According to the Department of Natural Resource (DNR) geological information portal (accessed October 3, 2023), there are no surface indications or history of unstable soils in the immediate vicinity of the proposal. However, erosion has occurred at Pearrygin Creek since 2011 due to heavy rains and spring run-off. In the past, projects have tried to address the erosion but have not been able to address the scale of design issues with the creek bending at a 90-degree angle.

e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.

The purpose of the fill and excavation associated with this proposal is to stabilize the creek to avoid erosion in the future. Total excavation will be approximately 4,300 cubic yards (cy), and total fill will be approximately 4,425 cy; the 125 cy difference between the excavation and fill values represent the crushed rock path and associated split rail fence. All of the excavated material will be used as fill to stabilize the creek. Please see the answer to 3.a.3 for more detailed excavation and fill activities organized by impacts above and below the Ordinary High Water Mark (OHWM). Please see the below table for a summary of impacts for all project components:

Impacts Summary Table	
Channel and Berm	Area (sf)
Grading main channel and construct crib wall	24,500
Grading berm	9,500
Staging areas	17,500
Total impact: channel / crib wall + berm + staging areas (all will be hydroseeded)	51,500
Optional / Provisional Components	
Crushed rock path and public access area	4,500
Split rail fence	1,000
Additional planting areas (includes floodplain roughening area with LWM)	96,000
Deformable boulder area (hydroseed)	2,000
Total impact: optional / provisional components	103,500
All impacts: channel / crib wall + berm + optional / provisional components	155,000

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

The purpose of the project is to address erosion resulting from regular flooding of Pearrygin Creek and stabilize the project area. There is always the potential for erosion as a result of

earthwork during construction. Best management practices (BMPs) will be implemented during construction to minimize the potential for erosion. Please see answer for B.1.h for the proposed BMP's.

g. About what percent of the site will be covered with impervious surfaces after project construction (e.g., asphalt or buildings)?

Approximately 125 cy (5,500 sf) of impervious surface will be added to create the crushed rock pathway and split rail fence to control public access.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

A TESC (Temporary Erosion and sediment Control Plan) will be prepared and implemented as part of the project. BMPs such as silt fence or coir logs will be implemented around excavation areas to prevent erosion and sedimentation into the creek. The Contractor will also be required to cover any temporary stockpile areas if rain is in the forecast.

2. Air [help]

a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.

Construction activities may create some temporary vehicle and equipment exhaust and dust emissions. The use of this equipment may result in localized, short-term emissions and potential fugitive dust. The completed project will have no long-term air emissions.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

There are no off-site sources of emissions or odor that may affect this proposal.

c. Proposed measures to reduce or control emissions or other impacts to air, if any:

Motorized equipment will meet required emission standards and will be turned off when not in use. Best management practices will be used during construction to minimize potential fugitive dust, including the use of a water truck to control dust.

3. Water [help]

a. Surface Water: [help]

1. Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

The work will occur above and below Ordinary High Water Mark within Pearrygin Creek. According to the Department of Natural Resource (DNR) water type map (accessed October 3, 2023), Pearrygin Creek is a fish bearing stream (Type F). Pearrygin Creek is a tributary to Pearrygin Lake. North of Pearrygin Creek is a non-fish bearing stream (Type N), the stream is unnamed.

2. **Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.**

   Yes, the proposal seeks to stabilize Pearrygin Creek by excavating existing material and manipulating the material to soften the current sharp angle of the creek. As such, work will occur over, in, and adjacent to Pearrygin Creek.

3. **Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.**

   Specific to the stabilization of the bank, all fill material will utilize the proposed on-site excavated material, so no fill from an off-site location is proposed for this project component. The crushed rock pathway and associated split rail fence is the only project component with material that will be imported (125 cy). Please see the below table for activities organized by impacts above and below the Ordinary High Water Mark (OHWM). The excavation and fill values are intended to occur within the same footprint. Please note the table distinguishes base bid project components and optional items if costs allow. Please see sheets 14-16 of the attached plans for the planting plan, schedule, and details.

Base Bid Work Item	**Above OHWM**		**Below OHWM**		**Quantity**
	Volume (cy)	**Area (sf)**	**Volume (cy)**	**Area (sf)**	
Creek stabilization	-	-	-	-	-
Excavation	2,500 cy	23,000 sf	1,800 cy	1,500	-
Fill	1,500 cy	23,000 sf	1,850 cy	1,500	-
Berm: fill only	950 cy	9,500 sf	-	-	-
Large woody material placement	25’ - 30’ length, 18”diam.		-	-	125 trees
Optional / Provisional Work Items	**Above OHWM**		**Below OHWM**		**Quantity**
	Volume (cy)	**Area (sf)**	**Volume (cy)**	**Area (sf)**	
Crushed rock pathway: fill only	100 cy	4,500 sf	-	-	-
Split rail fencing near pathway (wood posts, concrete footings)	25 cy	1,000 sf	-	-	-
Boulders	24-48”		-	-	40 boulders
Large woody material placement	25’ length, 18”diam.		-	-	25 trees

4. **Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.**

   While the project will be timed to coincide with low water levels in the creek, the live crib wall is the only project component that may include in-water work. For the crib wall, the Contractor will be required to isolate in-water work areas within Pearrygin Creek. It is anticipated a bulk bag coffer dam with plastic sheeting or equivalent isolation system will be used by the Contractor if surface water is present. Some water pumping may be necessary as well depending on groundwater levels. The Contractor will be required to demonstrate that turbid water is stored and infiltrated in approved upland areas to prevent turbid water from entering the creek.

5. **Does the proposal lie within a 100-year floodplain? If so, note the location on the site plan.**

   Yes.

6. **Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.**

   The project does not involve any discharges of waste materials to surface waters. As described above, any water pumped from within the worksite will be allowed to settle and infiltrated in an approved upland location.

b. Ground Water: [help]

1. **Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.**

   No, groundwater will not be withdrawn for any purposes.

2. **Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (e.g., domestic sewage, industrial, agricultural, containing the following chemicals…, etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.**

   This project does not involve the discharge of waste material to the ground.

c. Water runoff (including stormwater):

1. **Describe the source of runoff (including stormwater) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.**

   If funding allows, a crushed rock pathway (4,500 sf) and split rail fence (1,000 sf) will be constructed as part of the project. Stormwater from the pathway will sheet flow away from the creek and infiltrate into adjacent vegetated areas or newly planted areas. Approximately 149,500 square feet of native plantings are proposed. These proposed plantings are anticipated to reduce runoff and improve filtration along the stream.

2. **Could waste materials enter ground or surface waters? If so, generally describe.**

   It is possible that waste materials (e.g., oil from leaking vehicles/equipment, etc.) could potentially enter ground water or surface waters during construction; however, the Contractor will have a spill prevention plan and containment materials onsite. The crib wall is the only project component that includes in-water work, equipment to build the crib wall will work in isolated areas.

3. **Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.**

   The project proposes to add a crushed rock pathway (4,500 sf) and split rail fence (1,000 sf). Stormwater from the pathway will sheet flow into vegetated areas.

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any:

Drainage patterns are expected to improve by recontouring the stream bank to avoid scour and reduce erosion. In-water work for the crib wall will be isolated. Any pumped water from within the work area will be required to settle and infiltrate in an approved upland location. During construction BMPs such as silt fence, coir logs, or straw bale check dams will be implemented to minimize potential impacts to water.

4. Plants [help]

a. Check the types of vegetation found on the site:

☒ Deciduous tree: alder, maple, aspen, other

☒ Evergreen tree: fir, cedar, pine, other

☒ Shrubs

☒ Grass

☒ Pasture

☒ Crop or grain

☒ Orchards, vineyards or other permanent crops.

☒ Wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other

☐ Water plants: water lily, eelgrass, milfoil, other

☐ Other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

Because the proposal is manipulating soils to improve the shape of the creek, all vegetation within the project limits (155,000 sf) will be removed or altered. Omitting the crushed rock pathway (4,500 sf) and associated split rail fence (1,000 sf), the remaining 149,500 sf will

include either hydroseeding or live stakes. Please see sheets 14-16 of the attached plans for the planting plan, schedule, and details.

Existing vegetation includes a mix of three vegetation communities at the project location (Pacific Biodiversity Institute 2006):

- Agricultural field
- Former agricultural field
- Aspen (*Populus tremuloides*) / common snowberry (*Symphoricarpos albus*) association
  a. The proposal does not include any removal of trees larger than 10" in diameter.

c. List threatened and endangered species known to be on or near the site.

According to the Department of Natural Resource's Natural Heritage Program database (accessed May 15, 2024), there are no known threatened or endangered species on or near the site.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

Approximately 155,000 square feet of vegetation will be removed or altered as a result of the project. Trees not planned for removal will be protected during construction. The site currently contains extensive invasive plant species. Following construction, all disturbed areas, with the exception of the proposed crushed rock pathway (4,500 sf) and associated split rail fence (1,000 sf), will be replanted with native vegetation (149,500 sf). The planting schedule can be found on sheets 14-16 of the attached plans. Hydroseeding will occur in the fall to avoid weeds and assessed the following spring. Monitoring will occur for a minimum of five years after the project is complete. State Parks staff will coordinate any needs, like irrigation or additional hydroseeding/live stakes, to support vegetation survival after project completion.

e. List all noxious weeds and invasive species known to be on or near the site.

The following Class B noxious weeds have been identified at the park:

- Whitetop (*Cardaria draba*)
- Diffuse knapweed (*Centaurea diffusa*)
- Russian knapweed (*Centaurea repens*)
- Canada thistle (*Cirsium arvense*)
- Dalmatian toadflax (*Linaria dalmatica*)
- Purple loosestrife (*Lythrum salicaria*)

The following Class C noxious weeds have been identified at the park:

- Bull thistle (*Cirsium vulgare*)
- Baby's breath (*Gypsophila paniculata*)
- Red belvedere (*Kochia scoparia*)
- Reed canarygrass (*Phalaris arundinacea*)
- Russian thistle (*Salsola kali*)
- Common mullein (*Verbascum thapsus*)

5. Animals [help]

a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site. Examples include:

Birds: hawk, heron, eagle, songbirds, other: raptors, ducks, geese, woodpeckers, and hummingbirds.
Mammals: deer, bear, elk, beaver, other: little brown bat, and wolverine, bobcat, coyotes, and marmots.

Fish: bass, salmon, trout, herring, shellfish, other: WDFW stocks Pearrygin Lake with hatchery raised rainbow and brown trout

b. List any threatened and endangered species known to be on or near the site.

According to the USFWS Information for Planning and Consultation website (accessed August 21, 2024), the following species may be present on or near the site:

- Canada lynx (*Lynx canadensis*): federally threatened
- Gray wolf (*Canis lupus*): eastern Washington packs federally delisted; state endangered
- North American wolverine (*Gulo gulo luscus*): federally threatened
- Yellow-billed cuckoo (*Coccyzus americanus*): federally threatened
- Mt. Rainier white-tailed ptarmigan (*Lagopus leucura rainierensis*): federally threatened
- Bull trout (*Salvelinus confluentus*): federally threatened
- Monarch butterfly (*Danaus plexippus*): federal candidate

According to the WDFW PHS mapping tool (accessed August 21, 2024), Columbia sharp-tailed grouse (*Tympanuchus phasianellus columbianus*) are a state endangered species with a broad polygon at Pearrygin Lake State Park to identify sensitive species and habitats.

c. Is the site part of a migration route? If so, explain.

Yes. Pearrygin Lake State Park is used as a mule deer migration route. The park is also located in an area designated as mule deer winter range. In winters with less snow, the park serves as winter range. When snows are deeper and deer have to move further down the valley, the park serves as migratory habitat. Habitats in the park that are likely to be used by deer are the areas of lakeshore and streamside riparian habitat containing trees and shrubs that provide winter browse and cover.

d. Proposed measures to preserve or enhance wildlife, if any:

The completed proposal is expected to improve the stabilization of the creek, so access to water is expected to be safer for wildlife as it relates to soil stability. Any in-water work for the crib wall will occur during low flows per Washington Department of Fish and Wildlife. There is no fish window on Pearrygin Creek, but WDFW recommend a work window of July 1 – February 28 to ensure Rainbow trout spawning is not interrupted.

e. List any invasive animal species known to be on or near the site.

There are no known invasive species known to be on or near the site.

6. Energy and Natural Resources [help]

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

There will be no energy needs as a result of the completed proposal.

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

No, this project would not affect the potential use of solar energy by adjacent properties.

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

There are no energy conservation features are included in the plans of this proposal.

7. Environmental Health [help]

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste that could occur as a result of this proposal? If so, describe.

Yes, construction equipment could spill or leak petroleum products. The Contractor will have a spill prevention plan and containment materials onsite. Any in-water work for the crib wall will occur during low flows per Washington Department of Fish and Wildlife. There is no fish window on Pearrygin Creek, but WDFW recommend a work window of July 1 – February 28 to ensure Rainbow trout spawning is not interrupted.

1. Describe any known or possible contamination at the site from present or past uses.

Per the U.S. Environmental Protection Agency's Multisystem Search, Ecology's Cleanup Site Search, and What's in My Neighborhood interactive mapping tool (accessed March 9, 2024), there is no known contamination at the site.

2. Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.

According to the National Pipeline Mapping System (accessed March 9, 2024), there are no hazardous liquid pipelines or high-pressure natural gas pipelines within

3. Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.

Vehicles and construction equipment used for this project require petroleum products (e.g. gas, oil, and lubricants).

4. **Describe special emergency services that might be required.**

   In the event of an accidental injury that requires emergency services, the park manager and/or rangers will be contacted to facilitate the extraction of the affected individual or individuals. No additional permanent emergency service protocols will be required.

5. **Proposed measures to reduce or control environmental health hazards, if any:**

   All equipment to be used for construction activities shall be cleaned and inspected prior to arriving at the project site to ensure that no potentially hazardous materials are exposed, the equipment is functioning properly, and there are no leaks of hydraulic fluids, fuel, lubricants, or other petroleum products.

   Should a leak be detected on heavy equipment used for the project, the equipment shall be immediately removed from the area and not used again until adequately repaired. Vehicles and/or machinery may be stored at designated staging areas during construction periods; their use in the project area will be short-term and temporary. Best management practices such as secondary containment vessels and having spill kits onsite will be used to prevent contamination.

b. Noise

1. **What types of noise exist in the area which may affect your project (e.g., traffic, equipment, operation, other)?**

   Existing noise in the area includes noise created by park visitors and some traffic within the park. This proposal will not be affected by any existing noise.

2. **What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (e.g., traffic, construction, operation, other)? Indicate what hours noise would come from the site.**

   Noise associated with construction activities includes short-term noise from heavy machinery. The project will take 3-4 months to complete, and machinery will be operated during daylight hours. State law exempts noise from temporary construction sites from 7 a.m. to 10 p.m.

3. **Proposed measures to reduce or control noise impacts, if any:**

   Construction would occur during daylight hours only.

8. Land and Shoreline Use [help]

a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.

The site is currently developed State Park property. Adjacent properties include a mix of state and private ownership. The nearest property owner is approximately 200 feet from the project site. Due to the distance, the project is not anticipated to have negative impacts on adjacent landowners. Washington Department of Fish and Wildlife is the closest adjacent landowner, and State Parks has shared this proposal with WDFW as an adjacent landowner and regulatory agency as it relates to work in water.

b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or non-forest use?

The project site has not been used as working farmlands or forest lands since the park was purchased in 1957.

1. Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how?

There are no existing working farm or forest land operations that will affect or be affected by this proposal.

c. Describe any structures on the site.

Structures within 1,000 feet if the proposal include a bathhouse, two cabins, an office building, two bathrooms, and a storage shed. The project site also contains two roads and is adjacent to two parking lots.

d. Will any structures be demolished? If so, what?

No structures will be demolished.

e. What is the current zoning classification of the site?

Rural (north of Pearrygin Creek) and development (south of Pearrygin Creek).

f. What is the current comprehensive plan designation of the site?

Agriculture resource.

g. If applicable, what is the current shoreline master program designation of the site?

The shoreline designation for Pearrygin Lake and Pearrygin Creek is classified as Conservancy Environment by Okanogan County.

h. Has any part of the site been classified as a critical area by the city or county? If so, specify.

Yes, the entire park is identified as a critical area in Okanogan County's critical areas map:

- Mule deer winter range
- Mule deer migration corridor
- Mule deer spring range
- Columbian sharp-tailed grouse

i. Approximately how many people would reside or work in the completed project?

None.

j. Approximately how many people would the completed project displace?

The proposal will not displace anyone.

k. Proposed measures to avoid or reduce displacement impacts, if any:

Not applicable, as no displacement impacts will result from the project.

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

The proposal is compatible with State Parks' Classification and Management Plan (CAMP) for Pearrygin Lake State Park. The CAMP designation for the project area is "recreation" which allows for the high-intensity outdoor recreational uses (buildings, parking facilities, trailheads, etc.)

Preliminary conversations with County Staff indicate the proposal is compatible with local plans. A Critical Areas/Shoreline Permit will be submitted to Okanogan County to ensure the proposed project is compatible with local laws, zoning regulations and the comprehensive plan.

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:

None, this project is not nearby agricultural or commercial forest land and there are no proposed impacts or measures as part of this project.

9. Housing [help]

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

This proposal will not result in housing.

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

No housing will be eliminated.

c. Proposed measures to reduce or control housing impacts, if any:

There are no proposed measures to reduce or control housing impacts because there is no housing involved with or proposed as part of the Project.

10. Aesthetics [help]

a. What is the tallest height of any proposed structure(s), not including antennas? What is the principal exterior building material(s) proposed?

There are no structures proposed as part of the project. The project will stabilize the stream bank using natural materials (rock, wood, and native plantings). The tallest height will be

rootwads protruding from the live crib terrace which are anticipated to be approximately 4 feet in height.

b. What views in the immediate vicinity would be altered or obstructed?

No views will be altered or obstructed as a result of this proposal.

c. Proposed measures to reduce or control aesthetic impacts, if any:

Not applicable as no aesthetic impacts are anticipated.

11. Light and Glare [help]

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

This proposal does not include any lighting elements.

b. Could light or glare from the finished project be a safety hazard or interfere with views?

No.

c. What existing off-site sources of light or glare may affect your proposal?

There are no existing off-site sources of light or glare that may affect this proposal.

d. Proposed measures to reduce or control light and glare impacts, if any:

Not applicable as no lighting impacts will occur as a result of the project.

12. Recreation [help]

a. What designated and informal recreational opportunities are in the immediate vicinity?
This proposal is located at Pearrygin Lake State Park, and recreational opportunities include swimming, camping, biking, fishing, hiking, and a variety of water related activities.

b. Would the proposed project displace any existing recreational uses? If so, describe.
No, this proposal would not result in displacing any of the existing recreational activities. This proposal will stabilize Pearrygin Creek and offer controlled access via a short walkway and bench near the creek. Because this area has experienced flooding events related to the existing sharp corner of the creek, this proposal is expected to avoid closures that have historically prevented recreation at Pearrygin Lake State Park. The park will remain open during construction. A localized closure is planned to keep visitors away from any construction activities.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:
Please see the answer for 12b.

13. Historic and cultural preservation [help]

a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers? If so, specifically describe.

A background review of the project area identified no previously recorded archaeological sites or historic structures within the project area. Furthermore, a cultural resource survey and geomorphological testing of the project area was completed, and no precontact or National Register of Historic Places (NRHP) eligible historic resources were identified during the survey.

b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.

Pearrygin Lake is of cultural importance to the local tribes. The background review did not identify any recorded archaeological sites or historic structures within the project area but did show a cultural resource survey completed in 2007 of the entire project area (Komen 2007). Three archaeological monitoring reports were identified in the project area, two at the bridge (east end of AI) from 2019 and 2020 (Crisson 2019; Thomas 2020), and one next to the former park entrance road (west end of AI) in 2010 (Kelley 2010). A geomorphological survey including monitoring for cultural resources, a pedestrian survey, and subsurface testing was completed in August 2024. The survey resulted in the identification of a historic-period debris scatter 45OK2710, associated with a former house that was removed in 2019 for the construction of the new park entrance road and contact station. No precontact artifacts or features were identified during the survey or geomorphological testing.

Adams, Ron, F. Scott Pierson, Charles M. Hodges, Tom Heuser. 2024. *Cultural Resources Survey for the Pearrygin Creek Channel Stabilization Project at Pearrygin Lake State Park, Okanogan County, Washington.* Prepared for Washington State Parks and Recreation Commission, Olympia, Washington. Prepared by WillametteCRA, Seattle, Washington.

Crisson, Fred. 2019. *Pearrygin Lake West Campground Development Phase 1 Project Archaeological Monitoring*. AHS Letter Report 2019-14. Prepared for Washington State Parks and Recreation Commission, Olympia, Washington. Archaeological and Historical Services, Eastern Washington University, Cheney. Washington.

Komen, Dana. 2007. *Cultural Resources Survey for the Washington State Parks and Recreation Commission Pearrygin Lake State Park Campground Improvements Project, Okanogan County, Washington*. AHS Short Report 957. Prepared for Washington State Parks and Recreation Commission, Olympia. Archaeological and Historical Services, Eastern Washington University, Cheney. Washington.

Thomas, Jennifer. 2020. *Phase I Pearrygin Lake West Campground Development - Culvert, Archaeological Monitoring, Okanogan County, Washington*. AHS Letter Report 2020-03. Prepared for Washington State Parks and Recreation Commission, Olympia. Archaeological and Historical Services, Eastern Washington University, Cheney. Washington

c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archaeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.

Consultation for the project is taking place under Governor's Executive Order 21-02, with the affected tribes and the Department of Archaeology and Historic Preservation (DAHP). A cultural resources investigation was completed in August 2024.

d. **Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.**

No precontact sites or NRHP eligible cultural resources were identified in the project area during the cultural resource survey, as a result no permits, avoidance, or mitigation is needed for the project.

14. Transportation [help]

a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any.

Bear Creek Road provides access to the park.

b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?

No, public transit does not reach the park. The closest transit stop is four miles away in Winthrop, WA.

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?

No changes in parking spaces are proposed.

d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).

No, the proposal does not require any changes to existing streets, roads, pathways, or state transportation facilities. Once construction is complete, the creek is intended to better facilitate high-water events to prevent the lower existing road and campground from flooding. The northern access road is upland of the proposed project, and this proposal will not result in a need for improvements to the northern road.

e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

No, the project will not be used as transportation via water, rail, or air.

f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and non-passenger vehicles). What data or transportation models were used to make these estimates?

The completed project would not generate additional vehicle trips per day.

g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.

No, the proposal will not interfere with, affect, or be affected by the movement of agricultural and forest products on roads or streets in the area.

h. Proposed measures to reduce or control transportation impacts, if any:

There are no proposed measures to reduce or control transportation impacts.

15. Public Services [help]

a. Would the project result in an increased need for public services (e.g., fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.

No, the proposal would not result in an increased need for public services.

b. Proposed measures to reduce or control direct impacts on public services, if any.

There are no proposed measures to reduce or control direct impacts on public services.

16. Utilities [help]

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other _____

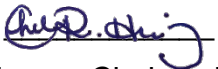
The specific project location does not include any utilities.

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

There are no proposed utilities for the project.

C. Signature [help]

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: 

Name of signee: Chelsea Harris

Position and Agency/Organization: Environmental Planner/ State Parks

Date Submitted: January 28, 2025