



State of Washington
DEPARTMENT OF FISH AND WILDLIFE

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**ADDENDUM 21-040 TO DETERMINATION OF NONSIGNIFICANCE (DNS) 13-008
DATED: JANUARY 23, 2013**

Name of Original Proposal: DNS 13-008: VOIGHTS CREEK HATCHERY REPLACEMENT

Description of Addendum 21-040: Note that a previous Addendum (13-024) was issued for a beaver dam removal. This Addendum 21-040 is for Intake Repair.

The natural path of the flow within Voight's Creek results in settling of sediments in front of the intake; this reduces the amount of water captured by the intake and sent to the hatchery. The purpose of the project is to direct flow into the intake with interlocking ecoblocks and to be able to remove/sluice built up sediment from in front of the intake by increasing the velocity through the channel. The project involves correcting the intake by installing 26 ecoblocks triple stacked parallel to the intake. This channel, once created, will allow for increased movement of water in front of the intake which will move sediments that collect on the concrete surface. These sediments build up and decrease the amount of water flowing into the intake. To construct the project the weir will be lowered to bring the water level down within the project area. Sandbags will be used to prevent most of the flow from entering the work area. The foundations that will secure the ecoblocks will be installed by hand and then the ecoblocks will be placed into their location and secured with a combination of by hand and with equipment that will lower the ecoblocks into place. This project is designed to minimize adverse impacts to the aquatic environment through the timing of work such that it reduces impacts on aquatic life including fish. The location where the project work will occur is previously disturbed and developed and will be contained within an existing concrete structure that is an extension of the existing intake. The weir will be lowered to decrease the water in the work area during the time of construction and sand bags will be used to temporarily separate the work area from the rest of the channel. The work area will be evaluated for fish life and any found will be removed from the work area and returned to Voight's Creek. Turbidity curtains will also be installed to prevent transportation of any sediments stirred up as a result of this work. During construction 4 CY of sediment material will be removed and disposed of at landfill. The ecoblocks will permanently fill 384 CY below the Ordinary High Water Mark (OHWM); with an additional 12.5 CY of temporary fill for the sandbags to isolate the work area. All activities will occur on concrete shelf outside of the intake. Materials will be sourced locally and secured on the concrete shelf. The sandbags will be placed temporarily and then removed after the ecoblocks are installed.

Description of Original Proposal:

This project will replace the existing flood-plagued Voights Creek Hatchery with a new hatchery outside of the 100 year floodplain of Voights Creek.

The new hatchery will be made up of the hatchery compound in the uplands of the property sited on the south side of State Route 162. The hatchery compound will have concrete ponds for

holding and rearing fish, a hatchery building for hatching the eggs, a pollution abatement pond for clarifying the water from fish waste, a fish feed storage building, and an office/storage building for equipment, administration, and interpretive information. The compound will also have paved parking for staff and public, and be accessed off Voight Meadows Road, which has direct access to State Route 162. A residence from the old hatchery will be moved to a site next to the hatchery compound and a garage will be provided for this residence.

Specific Hatchery Features

1. Water Intake: The intake structure is composed of retaining walls, concrete slab, a pneumatic weir in the stream, and an abutment on the far (north) bank. The upper intake structure is all concrete approximately 30 feet in length, with five pumps mounted at the rear of the structure approximately 16 feet back from the intake screen face. A retaining wall along the stream upstream of the intake serves as a platform for equipment staging for future maintenance. Sheetpile will be driven at the downstream edge of the concrete slab to prevent undermining scour. The 12" thick concrete slab is approximately 34' wide x 30' long and serves as the base for the pneumatic weir and picket barrier. Sheetpile below the slab's upstream and downstream edge serves to prevent undermining scour. On the north bank is a concrete abutment wall from the slab to the top of the bank, approximately 9' tall, and approximately 50' long, with 14' long wingwalls into the bank. Sheetpile below the concrete walls prevents undermining scour. At the top of the bank behind this abutment will be a compacted crushed rock pad for staging of equipment for future maintenance. Riprap will be placed on the banks upstream and downstream of these walls for 10 feet to control local turbulent scour at the structure transitions.
2. Fish Ladder: The fish ladder is a below-grade concrete channel approximately 5 feet wide x 6 feet deep. The water level in the channel will operate at a depth of approximately 3 feet. This fish ladder channel will be covered with steel grating its entire length (length to hatchery).
3. Mechanical/Electrical Building: Near the intake inside the fenced enclosure a 15' x 15' x 10' tall mechanical building will be of concrete block construction with metal roof. A steel compressed air receiver will be next to it. A sound insulated standby generator and its above-ground double-containment diesel storage tank will be sited next to the mechanical building.
4. Intake Access: Access to the intake will be by gravel road from the north side of SR162 where an existing gravel access exists. The new access will receive an asphalt pavement apron at the highway, and the remainder of the access and road will be compacted crushed rock.
5. Fish Rearing / Adult Ponds: Concrete fish rearing ponds, measuring 110' x 110', and 73' x 123' will be sited on the hatchery compound. Bird predation prevention poles and wires will be constructed at each pond. One end of the adult ponds a roof will be installed along the entire width, 20' long and approximately 15' tall.
6. Hatchery Building: The steel-framed and sided hatchery building will be 34' x 54' x approximately 16' tall.
7. Pollution Abatement Pond: The concrete pollution abatement pond will be 49' x 100'. This pond will be used to clarify water used during pond cleaning before discharging to the hatchery drain. This pond will also be used to clarify water used in the hatchery building for hatching eggs.
8. Feed Storage Building: The wood framed, metal sided and roofed fish feed storage building will be approximately 18' x 18' x 12' tall.
9. Office/Storage Building: The steel framed, sided and roofed office/storage building will be

34' x 90' x approximately 16' tall. Interior walls will be wood framed.

10. Surfacing: The hatchery compound will receive asphalt pavement. The 22 public parking spaces are based on historical use.

11. Access Road: The 24' wide driveway provides access to Voight Meadows Road.

Proponent/Applicant: Washington State Department of Fish and Wildlife (WDFW)
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Location of Proposal, including street, if any: WDFW Voights Creek Hatchery, 1.3 miles southeast of Orting on Highway 162, Pierce County, Washington: Township 19N, Range 5E, Section 33.

Lead Agency: Washington Department of Fish and Wildlife (WDFW)

This addendum is being distributed pursuant to WACs 197-11-600 and 197-11-625. The updated information provided above does not substantially change the analysis of significant impacts in the existing environmental checklist. Based on the original DNS and the updated information provided in this addendum, we have determined that a new threshold determination is not warranted. There is no comment period associated with this SEPA addendum.

Responsible Official: Lisa Wood

Position/Title: SEPA/NEPA Coordinator, WDFW Habitat Program, Protection Division

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Applicants may view the supporting documents for this addendum on the WDFW SEPA website: <https://wdfw.wa.gov/licenses/environmental/sepa/closed-final>.

If you have questions about this DNS or the details of the proposal, contact Lisa Wood at SEPADesk2@dfw.wa.gov.

DATE OF ISSUE: August 4, 2021

SIGNATURE:



SEPA Log Number: ADD 21-040 to DNS 13-008

Individuals who need to receive this information in an alternative format or language, or who need reasonable accommodations to participate in WDFW-sponsored public meetings or other activities may contact the Title VI/ADA Compliance Coordinator by phone at 360-902-2349, TTY (711), or email (Title6@dfw.wa.gov).