

**PLAN OF OPERATIONS
EXHIBIT B**

1. DESCRIPTION OF ACTIVITIES

A. Existing Conditions. Licensee conducted an emergency interim bank stabilization project in the summer of 2021. At that time ten (10) large woody material (LWM) structures and twelve (12) untreated piling were installed in the Newaukum River to deflect the current away from Shorey Road. These improvements will be removed as part of the proposed project.

B. Proposed Conditions. Licensee intends the proposed project to provide long-term bank stabilization & habitat enhancement to approximately 240 feet of riverbank along the left bank of the Newaukum River. Project features include a vegetated rock revetment, inter-planted with native willow stakes in combination with thirty-two (32) boulder-ballasted large wood material (LWM) log triangles. Log triangles comprise logs with rootwads to provide roughness & decelerate flow energy along the project bank. Licensee intends the rootwad inclusion to improve habitat complexity with added flow diversity & cover. Licensee will place bioengineered log triangles below the ordinary high-water mark (OHWM) to further roughen the bank & enhance in-stream habitat. Licensee will construct the proposed vegetated rock revetment at a stable slope from the toe to the top of bank, underlain with quarry spalls & erosion control fabric to stabilize the roadway embankment & mitigate further erosion. Licensee anticipates placement of the vegetated rock revetment and underlying materials to require removal & replacement of a roadway section. Licensee will not add any new paved area.

Placement of temporary benches within OHWM may be required to achieve equipment reach/access to place the proposed revetment toe. Excavation of two hundred ten (210) cubic yards of native streambed will occur at the toe of the slope approximately 10 feet perpendicular to the bank & along the bank to provide a stable 1.5:1 slope; operator/workers will trim timber piles flush with the ground, lay out geotextile fabric, place one (1) foot of quarry spalls and three and a half (3.5) feet for a total of nine hundred fifty (950) cubic yards of rock for erosion & scour protection atop the quarry spalls. The two hundred ten (210) cubic yards of native streambed that was previously excavated will then be placed as backfill on top of the quarry spalls and rocks to fill in gaps between the rocks and provide structural integrity to the revetment. Operator/workers will place log triangles atop the rock revetment below the OHWM & install two rows of native willows landward of the log triangles.

Licensee installed signs both five hundred (500) feet upstream and downstream of the project area during the summer of 2021 warning recreationalists of the structures emplaced in the river at that time. Licensee will continue to maintain

and leave these signs in place for the proposed project. After installation Licensee will conduct biannual monitoring of these structures and will also conduct monitoring following flood events. State will require copies of these monitoring reports when they become available. State grants its consent to this Work, except that Licensee shall conform all Work to all other requirements of Section 5 of this License.

C. Permits. Licensee has secured the following permits for the Activities:

- Lewis County Community Development Department State Environmental Policy Act Determination of Non-Significance File Numbers SEP23-0012, SHO23-003, G23-00029, FD23-00021 & LDR23-0026. Issued: June 15, 2023.
- Washington State Department of Transportation National Environmental Policy Act Categorical Exclusion Documentation Form Number ER-2101 (001) JB. Issued: August 8, 2023.
- Lewis County Community Development Department Development Permit Number G23-00009. Issued: December 20, 2023.
- Lewis County Community Development Department Floodplain Development Permit Number G23-00009. Issued: December 20, 2023.
- Washington Department of Fish and Wildlife Hydraulic Project Approval Number 2023-5-84+01. Issued: September 27, 2023. Expires: August 31, 2027.
- Washington Department of Ecology Substantial Development Permit and Conditional Use Permit Number 2023-SWRO-7307. Issued: November 17, 2023.
- Washington Department of Ecology Water Quality Certification Number 22296. Issued: September 26, 2023.
- United States Army Corps of Engineers Permit Number NWS-2023-269. Issued: October 23, 2023. Expires: March 14, 2027.

2. ADDITIONAL OBLIGATIONS

None