



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

PO Box 47775 • Olympia, Washington 98504-7775 • (360) 407-6300

July 20, 2015

Evan Lewis
Chief, Environmental and Cultural Resources Branch
PO Box 3755
Seattle, WA 98124

**RE: Coastal Zone Consistency for 2015 Carbon River Levees Rehabilitation Project,
near Orting, Pierce County, Washington**

Dear Mr. Lewis:

On May 22, 2015, U.S. Army Corps of Engineers, Seattle District (Corps) submitted a Coastal Zone Management Act Consistency Determination, for the rehabilitation of the Carbon River Levees (Guy West Levee, Alward 1 Levee, and Water Ski Park Levee) Rehabilitation projects.

The proposed Federal Action includes the repair of 1535 feet of riverward slope and toe at five discontinuous locations on three levees along the right and left banks of the lower Carbon River, east of the City of Orting. The Alward Levee (Segment 1) is located along the left bank near river mile 7.2 in Section 26, Township 19 North, and Range 5 East Willamette Meridian. The Water Ski Levee repairs are located along the right bank near river miles 6.2 and 6.4 in Section 27, township 19 North, and Range 5 East Willamette Meridian. The Guy West Levee project sites are located along the left bank near river mile 4.8 and 5.3 in Section 33, Township 19 North, range 5 East Willamette Meridian.

Total project lengths and locations:

Project Site	River Miles	Project Length
Alward Levee	7.2	390 feet
Water Ski Levee – Site 1	6.2	230 feet
Water Ski Levee – Site 2	6.3	260 feet
Guy West Levee – Site 1	4.8	265 feet
Guy West Levee – Site 2	5.3	375 feet
TOTAL		1535 feet

The footprint and profile of the levees will be unchanged. For the Alward Levee, the repair includes approximately 390 feet of riverside levee slope protection work. For Water Ski Levee, the repair includes replacement of riverside slope armor for approximately 230 feet at the



downstream site, Site 1, and 260 feet at the upstream site, Site 2. At the Alward and Water Ski Levees, the slope and buried toe would be removed and reconstructed with larger stone. The pre-damaged slope and toe were constructed with class IV rock (individual rocks ranging from 25 to 1000 pounds). The proposed toe protection would create a buried riprap toe with a gradation of stones weighing 2 to 4 tons (4000 to 8000 pounds). The buried toe will be excavated to the scour depth of 6 feet. The slope rock will be a class V gradation (25 to 1800 pounds) and constructed to a finished 2H:1V slope. All of the riprap armor will be underlain by a 2 to 4-inch quarry spall rock blanket. The upper 5 feet of the riverward slope will be covered with top soil and hydroseeded with native grasses.

For the Guy West Levee, the repair includes approximately 265 feet at Site 1 and 390 feet at Site 2 of riverside levee slope protection. The repairs at both sites will be similar to the repairs discussed above for the Alward and Water Ski levees. The levee slope and toe will be removed and reconstructed with larger stone. The toe protection will include a buried riprap toe with a gradation of stones weighing between 2 and 4 tons. The buried toe will be excavated to the scour depth of 4 feet at Site 1 and 6 feet at Site 2. The slope rock will be a class V gradation and constructed to a finished slope measuring 2H:1V. All of the riprap armor will be underlain by a 2 to 4-inch quarry spall blanket. The upper 5 feet will be covered with top soil and hydroseeded with native grasses. At Site 1, the repair will excavate approximately 2/3 of the riverward slope, to maintain the existing vegetation on the crown/shoulder.

Pursuant to Section 307(c)(3) of the Coastal Zone Management Act of 1972 as amended, Ecology concurs with the Corps' determination that the proposed work as described in the Corps Federal Consistency Determination dated June 3, 2015 is consistent with Washington's CZMP.

If you have any questions regarding Ecology's consistency determination please contact Lori Kingsbury at (360) 407-6926.

YOUR RIGHT TO APPEAL

You have a right to appeal this Order to the Pollution Control Hearing Board (PCHB) within 30 days of the date of receipt of this Order. The appeal process is governed by Chapter 43.21B RCW and Chapter 371-08 WAC. "Date of receipt" is defined in RCW 43.21B.001(2).

To appeal you must do all of the following within 30 days of the date of receipt of this Order:

- File your appeal and a copy of this Order with the PCHB (see addresses below). Filing means actual receipt by the PCHB during regular business hours.
- Serve a copy of your appeal and this Order on Ecology in paper form - by mail or in person. (See addresses below.) E-mail is not accepted.

You must also comply with other applicable requirements in Chapter 43.21B RCW and Chapter 371-08 WAC.

ADDRESS AND LOCATION INFORMATION

Street Addresses	Mailing Addresses
<p>Department of Ecology Attn: Appeals Processing Desk 300 Desmond Drive SE Lacey, WA 98503</p> <p>Pollution Control Hearings Board 1111 Israel RD SW STE 301 Tumwater, WA 98501</p>	<p>Department of Ecology Attn: Appeals Processing Desk PO Box 47608 Olympia, WA 98504-7608</p> <p>Pollution Control Hearings Board PO Box 40903 Olympia, WA 98504-0903</p>

Sincerely,



Paula Ehlers, Section Manager
Shorelands and Environmental Assistance Program
Southwest Regional Office

By Certified Mail 7012 2920 0000 1182 1505

e-cc: Alex Callender, Ecology SWRO
Loree' Randall, Ecology HQ
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