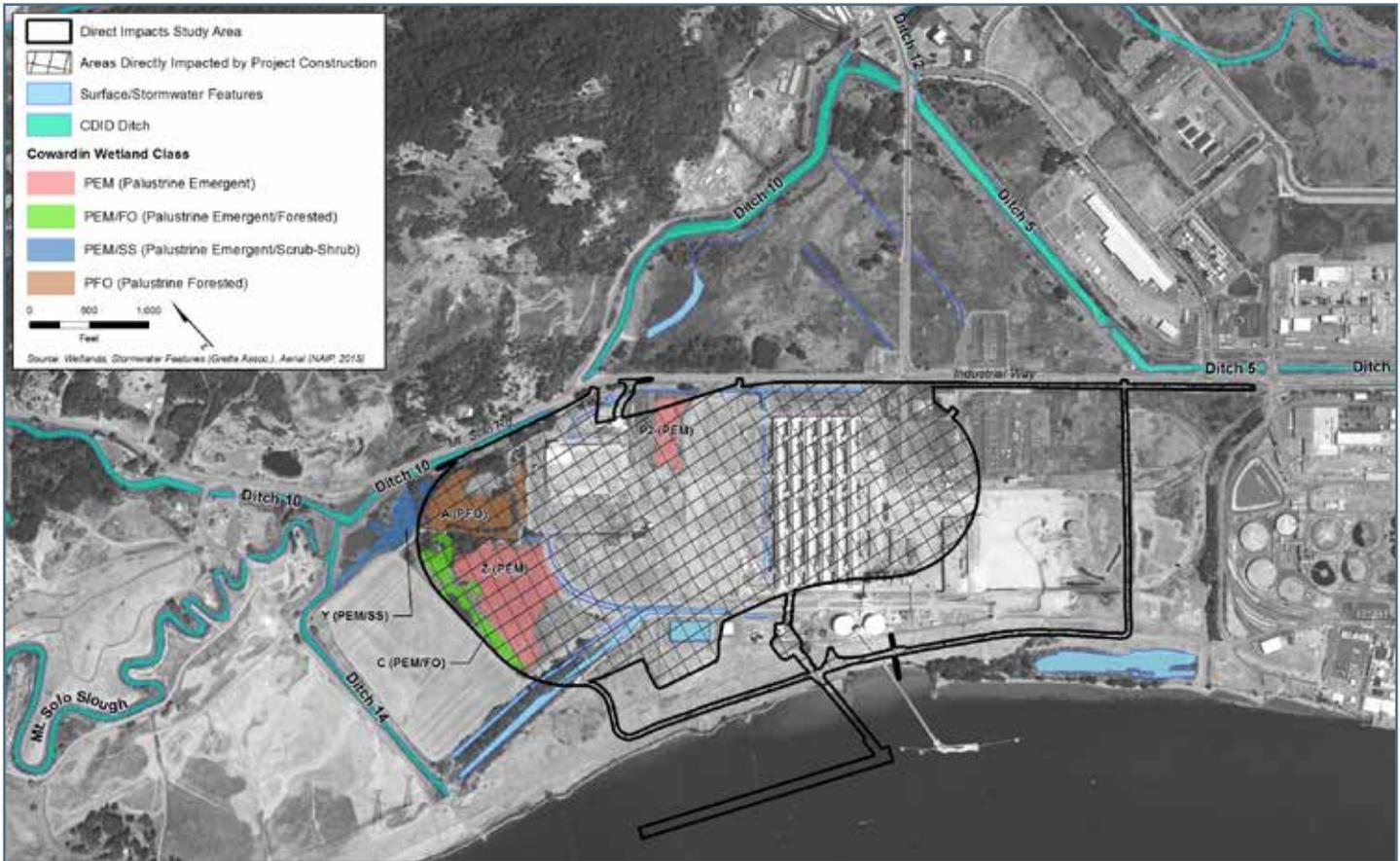


### Wetlands Fact Sheet

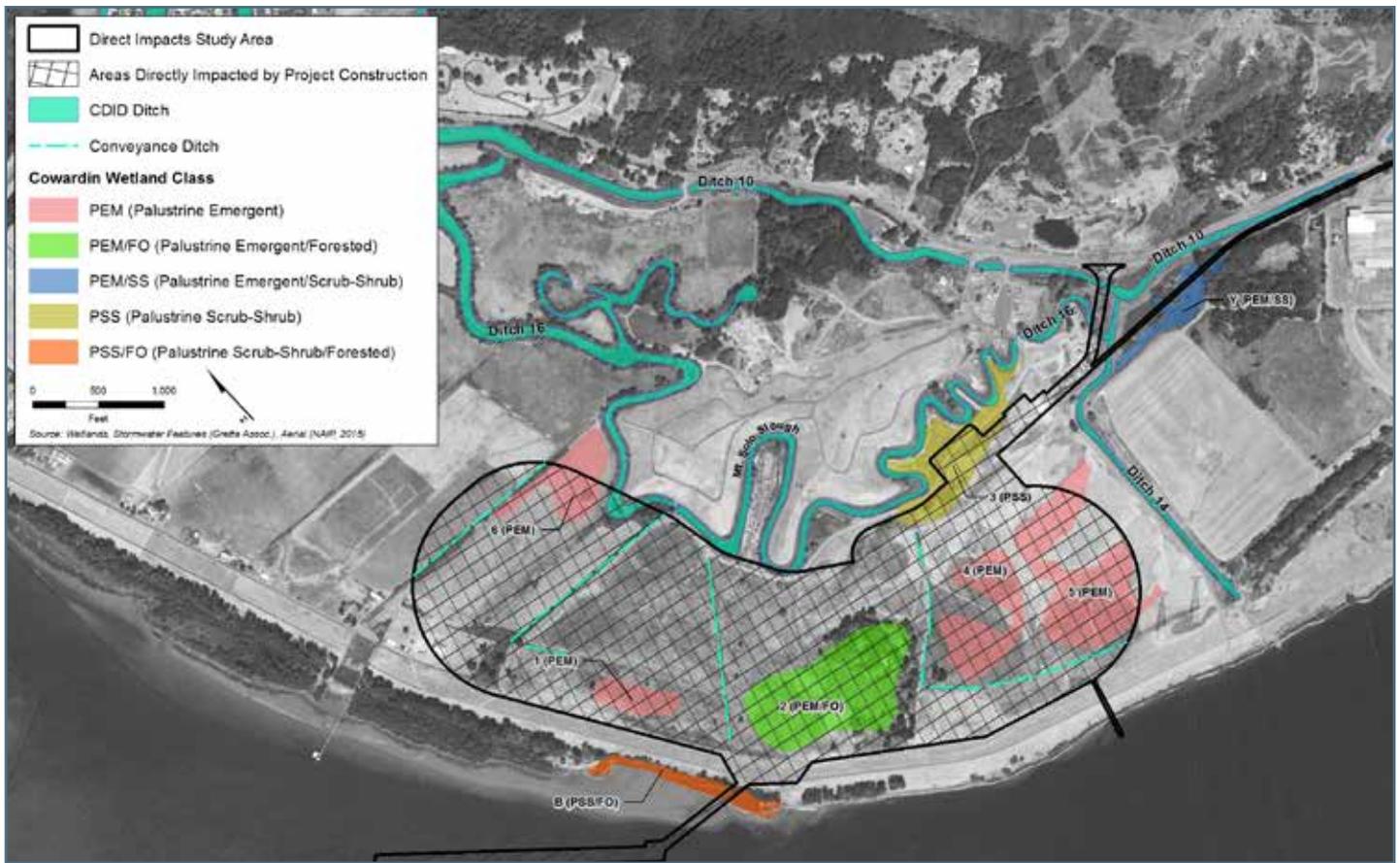


Wetlands that would be impacted by the On-Site Alternative

This fact sheet includes a summary of the proposed export terminal’s potential impacts on wetlands, as well as mitigation measures to address these impacts. In addition to a No-Action Alternative, two alternative locations for the proposed export terminal are analyzed in the Draft Environmental Impact Statement (EIS) – the On-Site Alternative and Off-Site Alternative. The alternative project areas are adjacent to each other and are located in Cowlitz County along the Columbia River. Wetlands have been identified in the project areas for each alternative, and construction and operation of the proposed export terminal would affect these wetlands.

### How were impacts on wetlands identified and analyzed?

The Draft EIS describes the existing conditions for wetlands at the On-Site Alternative and Off-Site Alternative. The Draft EIS considered the project description, including best management practices, design features, and avoidance and minimization measures identified by the Applicant, when evaluating potential impacts to wetlands. The Draft EIS analyzed how activities associated with the proposed export terminal would affect wetlands. The Draft EIS assessed impacts associated with loss of wetland area, loss or alteration/degradation of wetland functions, and the effects of coal dust on wetland vegetation.



*Wetlands that would be impacted by the Off-Site Alternative*

## How would the proposed export terminal affect wetlands?

Two types of impacts were evaluated as part of this analysis: construction impacts and operational impacts.

### Construction

Potential impacts related to construction of the proposed export terminal include the permanent loss of wetland area and associated wetland functions, and alteration/degradation of wetland functions. Construction of the On-Site Alternative would fill four wetlands and partially fill one wetland for a total permanent wetland loss of approximately 24 acres. Construction of the Off-Site Alternative would fill three wetlands and partially fill four wetlands for a total permanent wetland loss of approximately 51 acres. The wetland functions most affected would be water quality and wildlife habitat. These wetland functions would be completely lost for wetlands that are entirely filled. For partially filled wetlands, these wetland functions would be altered or degraded in the portion of wetland remaining.

### Operations

Operation of the proposed export terminal would result in coal dust deposition to nearby wetlands. Coal dust would be generated during operation of the proposed export terminal through the movement of coal onto the project area, around the project area, and onto vessels. Coal dust would also become airborne from the large stockpiles that would be located within the project area. The concentrations of coal dust would be highest within and adjacent to the project area, and would decline to low levels within a few thousand feet of the proposed export terminal. The impacts of coal dust on vegetation would vary depending on dust load, climatic conditions, and the physical characteristics of the vegetation.



*Several common bird species, such as the great blue heron shown above, were recorded near the project area during site visits*

## **What measures could reduce impacts on wetlands?**

The Draft EIS identifies the following mitigation measure to reduce impacts on wetlands:

- The Applicant would prepare a compensatory mitigation plan in coordination with the Corps, Ecology, and Cowlitz County to offset the proposed export terminal's unavoidable adverse impacts on waters of the United States, including wetlands. Mitigation actions included in the compensatory mitigation plan could take place at multiple locations and involve both permittee-provided mitigation and the purchase of credits from an approved mitigation bank.

Mitigation measures have also been identified that would be protective of water quality and vegetation; these measures would also be protective of wetlands. A detailed list of mitigation measures can be found in the Draft EIS in Chapter 8, *Minimization and Mitigation Measures*.

## How can I comment on the Draft EIS for the proposed export terminal?

All comments are valued equally, no matter how they are submitted. You can comment by mail, online, or in person at public hearings held during the public comment period. The comment period for this Draft EIS runs from September 30 through November 29, 2016.

### Mail written comments to the following address:

Millennium Bulk Terminals—Longview NEPA EIS, c/o ICF International  
710 Second Avenue, Suite 550  
Seattle, WA 98104

### Submit comments online at:

[www.millenniumbulkeiswa.gov/submit-comments.html](http://www.millenniumbulkeiswa.gov/submit-comments.html)

### Submit comments in person (orally or in writing) at one of two public hearings:

Monday, October 24, 2016 1:00 – 9:00 p.m.  
Cowlitz County Event Center  
1900 7th Avenue  
Longview, WA 98632

Tuesday, October 25, 2016 1:00 – 9:00 p.m.  
Clark County Event Center  
17402 NE Delfel Road  
Ridgefield, WA 98642

## Where can I find more information?

Chapter 5, Section 5.3, *Wetlands*, of the Draft EIS has detailed information on current conditions, analysis and findings related to the potential impacts of the proposed export terminal on wetlands.

Visit [www.millenniumbulkeiswa.gov](http://www.millenniumbulkeiswa.gov) for more information on the proposed export terminal and the Draft EIS.