



## Wetlands

Wetlands generally include swamps, marshes, bogs, and similar areas. Wetlands have been identified in the projects areas for each alternative, based on the U.S. Army Corps of Engineers (Corps) wetland delineation manual.

### The study analyzed:

- Potential impacts to wetlands including loss of wetland area, loss or alteration/degradation of wetland functions, and the effects of coal dust on wetland vegetation.

### The study found:

- Construction – Construction of the proposed export terminal would result in permanent loss of wetland area and associated wetland functions, and alteration/degradation of wetland functions.

The On-Site Alternative would result in a total permanent wetland loss of approximately 24 acres. The Off-Site Alternative would result in a total permanent wetland loss of approximately 51 acres. Wetlands functions related to water quality and wildlife habitat would be affected.

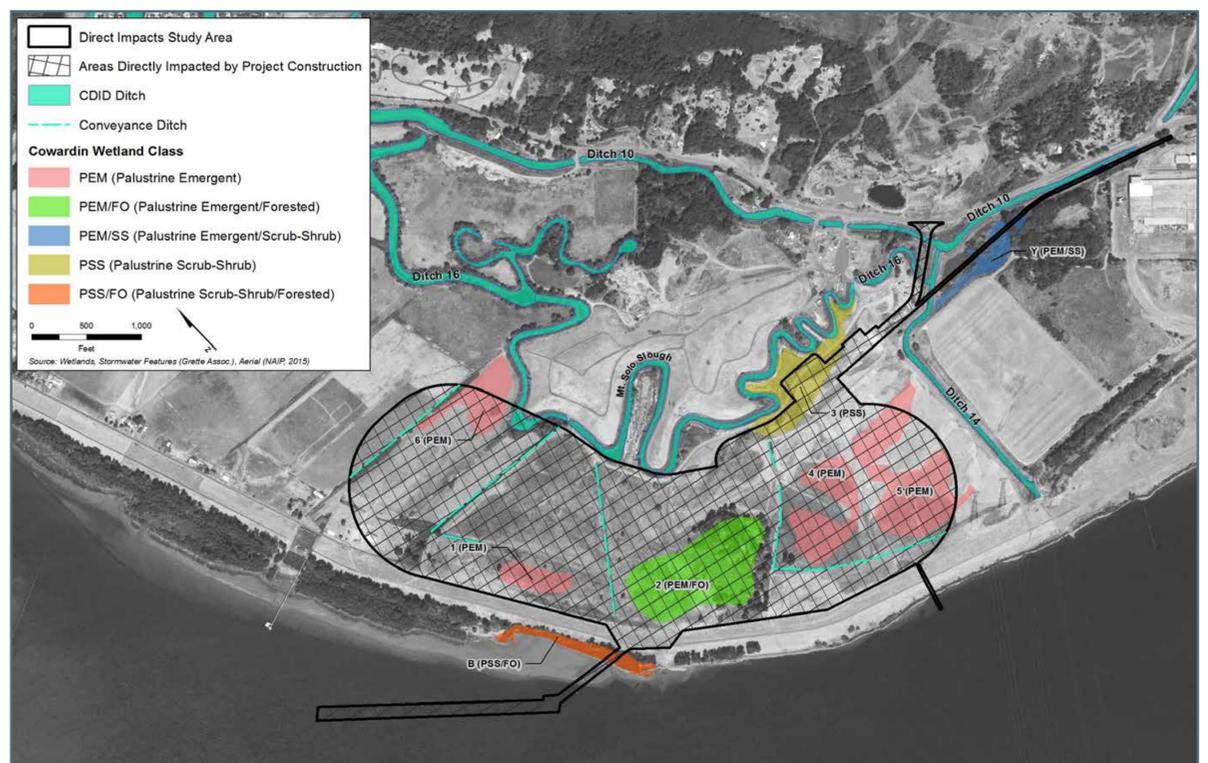
- Operation – The proposed export terminal would result in coal dust deposition to nearby wetlands. The impacts of coal dust on wetlands would vary depending on dust load, climatic conditions, and the physical characteristics of the wetland vegetation.

### What could be done to reduce impacts?

- Prepare a compensatory mitigation plan in coordination with the Corps, the Washington State Department of Ecology, and Cowlitz County to offset the proposed export terminal’s unavoidable adverse impacts on waters of the United States, including wetlands.



Wetlands that would be impacted by the On-Site Alternative



Wetlands that would be impacted by the Off-Site Alternative