

**Description of resources in project area**

Impact area is:  Ocean  Estuary  River  Lake  Stream  Freshwater Wetland

Describe the existing **physical and biological characteristics** of the wetland/waterway site by area and type of resource (Use separate sheets and photos, if necessary).

For wetlands, include, as applicable:

- Cowardin and Hydrogeomorphic(HGM) wetland class(s)\**
- Dominant plant species by layer (herb, shrub, tree)\**
- Whether the wetland is freshwater or tidal
- Assessment of the functional attributes of the wetland to be impacted\**
- Identify any vernal pools, bogs, fens, mature forested wetland, seasonal mudflats, or native wet prairies in or near the project area.)

For waterways, include a description of, as applicable:

- Channel and bank conditions\**
- Type and condition of riparian vegetation\**
- Channel morphology (i.e., structure and shape)\**
- Stream substrate\**
- Fish and wildlife (type, abundance, period of use, significance of site)
- General hydrological conditions (e.g. stream flow, seasonal fluctuations)\**

**This project will not enter wetlands or the Middle Fork John Day River. However, the wetland component in the area near the proposed bridge site consists of various grasses, sedges and occasional willows. The wetland area is approximately 10 feet slope distance wide on the north side of the river and 6 feet slope distance wide on the south side of the river.**

**Channel and bank conditions in the area of the proposed bridge site appear to be extremely stable. Channel banks are primarily composed of bedrock where the Middle Fork John Day River flows in this area. The river flows against the toe slope of its historic floodplain on the south side of the river. The north side of the river is confined by the Middle Fork Road, however there is no evidence of erosion, washing, raveling or other disturbance in any of the areas below the fill from the road.**

**Mean annual precipitation for this area of the Middle Fork John Day averages about 20 inches annually. High streamflows in eastern Oregon are caused primarily by spring snowmelt, especially in conjunction with rainfall events, and by summer thunderstorms which can cause "flash flood" type events. Although there have been a number of "high water" flow type events in the last decade, the proposed bridge site shows no evidence of washing or material movement.**

*Describe the existing navigation, fishing and recreational use of the waterway or wetland.\**

The Middle Fork John Day is not a navigable river. Mr. Wharton's stretch of river will be used for recreation and fishing only.

\* *Italicized areas are not required by the Corps for a complete application, but may be necessary prior to final permit decision by the Corps.*