**Duffy Road Slough (Site E)**

Seasonally Disconnected Floodplain Habitat Project: Year 1 (2021) Reconnaissance Report

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Site Map

* E1 – site outlet
* WPT 116 – small beaver dam with small downstream drop

Diagram, map

Description automatically generated

Figure 1: Map of Site E with Relative Elevation Model (REM) showing elevation (ft) relative to the mainstem at base flows. REM developed by NSD from USGS 2016 LiDAR and provided by SRSC.

Temperature, Water Level, and Connectivity Trends

* No equipment installed at the site because does not appear that site becomes disconnected other than at small dynamic and temporary beaver dams
* Given the low relative elevation of Duffy Road Slough to the Skagit mainstem, water level is likely heavily influenced by mainstem discharge

6/10/2021

* Boat reconnaissance
* Site likely connected at WPT 116 where a small beaver dam creates a 1 ft downstream drop that is likely fish passable (Figure 2)
* Water very turbid and not able to snorkel
* No fish observed

A picture containing grass, outdoor, plant, tree

Description automatically generated

Figure 2. Looking upstream at small beaver dam that could potentially cause disconnection point at very low flows

9/22/2021

* Boat reconnaissance
* Unsure about site connectivity because not able to access upstream where channel narrows
* Site still has high turbidity