**Carey’s Slough (Site N)**

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

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Site Map

* N1 – site outlet
* WPT 443 – crossing under Lyman Hamilton Rd

Diagram

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Figure 1: Map of Carey’s Slough 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 almost entirely on private property that had no permission to access and site likely becomes connected
* It is unclear if and when the site becomes disconnected because only able visit the site once at N1 and once at Lyman Hamilton Rd (WPT 443) crossing and was connected during both site visits
* The site was never disconnected from the mainstem Skagit during site visits in the field season (April – October 2021)
* Given the high relative elevation of Carey’s Slough to the Skagit mainstem, site connectivity and water level is likely primarily driven by drainage through the outlet channel rather than Skagit flow inundating the site

5/12/2021

* Boat reconnaissance
* Site connected at N1 with steady flow out of outlet channel (Figure 2)
* One small beaver dam near N1 but still fish passable

A picture containing outdoor, grass, river, nature

Description automatically generated

Figure 2. Looking upstream at connected outlet channel at N1

8/18/2021

* Land reconnaissance from Lyman Hamilton Rd
* Site connected through culvert at crossing under Lyman Hamilton Rd at WPT 443
* Pools just upstream and downstream of WPT 443 with juvenile salmonids observed from surface (Figure 3, 4)

A picture containing tree, outdoor, plant, bushes

Description automatically generated

Figure 3. Looking downstream at pool in outlet channel from WPT 443

A picture containing tree, outdoor, river, green

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Figure 4. Looking upstream at pool in outlet channel from WPT 443