**Davis Slough (Site M)**

Site Map

* M1 – site outlet
* WPT 441 – undersized culvert where site outlet crosses Cabin Creek Rd
* WPT 442 – crossing under Lyman Hamilton Rd

Diagram

Description automatically generated

Figure 1: Map of Davis Slough with Relative Elevation Model (REM) showing elevation (ft) relative to the mainstem at base flows

Temperature, Water Level, and Connectivity Trends

* No equipment installed at the site because almost entirely on private property that had no permission to access
* It is unclear when the site becomes disconnected because only able visit the site once at M1 and once at Cabin Creek Rd (WPT 441) and Lyman Hamilton Rd (WPT 442) crossings
* Given the high relative elevation of Davis 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
* Connectivity is impaired at a very undersized culvert at WPT 441 where the outlet channel passes under Cabin Creek Rd

5/12/2021

* Boat reconnaissance
* Site connected at M1 with substantial flow but Davis Slough outlet channel meets with Muddy Creek just before draining at M1 so flow could be primarily driven by Muddy Creek flow (Figure 2)

A picture containing tree, outdoor, ground, nature

Description automatically generated

Figure 2. Looking upstream from M1 at Davis Slough outlet channel/Muddy Creek

8/18/2021

* Land reconnaissance from Lyman Hamilton Rd
* Davis Slough outlet channel/Muddy Creek connected under Lyman Hamilton Rd at WPT 442 (Figure 3, 4)

A picture containing tree, outdoor, plant, forest

Description automatically generated

Figure 3. Looking downstream at Davis Slough outlet channel/Muddy Creek from Lyman Hamilton Rd bridge

A picture containing tree, outdoor, plant, lush

Description automatically generated

Figure 4. Looking upstream at Davis Slough outlet channel/Muddy Creek from Lyman Hamilton Rd bridge

* Davis Slough outlet channel disconnected with dry channel at undersized culvert at WPT 441 filled with reed canary grass at Cabin Creek Rd (Figure 5)

A picture containing tree, outdoor, grass, plant

Description automatically generated

Figure 5. Looking downstream from undersized culvert at WPT 441 at dry outlet channel