**DeBay’s Slough (Site A)**

Site Map

* A1 – site outlet
* WPT 292 – small beaver dam or pile of sticks with <1 inch of water flowing through it during 9/22/2021 site visit

Diagram

Description automatically generated

Figure 1: Map of DeBay’s 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
* It is unclear if and when the site becomes disconnected because during each reconnaissance visit the site was connected, although just barely in one case
* Estimated Connectivity Threshold: 3,000 – 4,000 cfs (Skagit)
* Given the low relative elevation of DeBay’s Slough to the Skagit mainstem, site connectivity is likely heavily influenced by mainstem discharge

6/10/2021

* Boat reconnaissance
* Site connected to Skagit mainstem at A1 (Figure 2)
* Unidentified juvenile salmonids observed

A picture containing tree, outdoor

Description automatically generated

Figure 2. DeBay’s Slough connected to Skagit mainstem at A1 outlet in narrow channel with large wood

9/20/2021

* Land reconnaissance from DeBay’s Island Rd
* Unsure of site connectivity because too far from A1 outlet
* Took temperature and DO measurements just off of DeBay’s Island Rd
  + Temperature: 16.9°C
  + DO: 5.0 mg/L
* Lots of small duckweed throughout the site (Figure 3)

A picture containing tree, outdoor, water, river

Description automatically generated

Figure 3. DeBay’s Slough facing toward outlet from DeBay’s Island Rd

9/22/2021

* Boat reconnaissance
* Site partially disconnected from Skagit mainstem at A1
* WPT 292 – small beaver dam or pile of sticks with <1 inch of water flowing through it (Figure 4)
* Was raining during site visit so possible that small amount of water in outlet channel was just from rainfall
* Took temperature and DO measurements just upstream of WPT 292
  + Temperature: 12.7°C
  + DO: 8.26 mg/L
* Could not travel very far into site because channel turns into private property but there were several shallow pools along the length of the channel that could be accessed

A couple people walking on a dirt path in the woods

Description automatically generated with low confidence

Figure 4. Small remnant beaver dam with <1 inch of water potentially passable to juvenile fish