**South of Arnold Lane Field (Site T)**

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

Maddie Hicks, Jonathan Armstrong (Oregon State University)

Catherine Austin (Skagit River System Cooperative)

Site Map

* T1 – site outlet
* T2 – site outlet

A picture containing diagram

Description automatically generated

Figure 1: Map of Site T 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 because no water in site
* Given the very high relative elevation of the site to the Skagit mainstem, the site is only inundated by the mainstem during extreme high flow events
* T1 and T2 are both outlets of stream channels that run adjacent to the site
* There is a small pond at the northeast corner of the site that appears to hold water but not able to access because on private property
* This pond is likely fed primarily by hillside runoff that drains into the mainstem Skagit at T2

4/13/2021

* Land reconnaissance via S. Skagit Hwy
* Site disconnected and dry with reed canary grass
* Site perched 15 ft above mainstem Skagit
* T1 stream outlet connected to mainstem but does not inundate the site (Figure 2)

A picture containing tree, outdoor, ground, river

Description automatically generated

Figure 2. Looking upstream at stream that runs adjacent to site and flows in mainstem Skagit at T1

5/13/2021

* Boat reconnaissance
* Site disconnected and dry with reed canary grass
* Site perched 15 ft above mainstem Skagit
* T1 still connected to mainstem but does not inundate site
* T2 appears disconnected from the mainstem (Figure 3)

A body of water with trees around it

Description automatically generated with medium confidence

Figure 3. T2 stream outlet (circled) disconnected from the mainstem Skagit