

Lorenzan Creek

Alternatives Analysis and Design

UPDATE #3

August and September 2021

OVERVIEW

Skagit County operates a maintenance facility in Concrete, WA. This facility, located at 44510 Concrete Sauk Valley Road, is used to stockpile sand and salt, store equipment and signs for east county maintenance operations, and provide a small office and bathroom space. It used to provide re-fueling opportunities and although not currently in use, the infrastructure is still in place.

Lorenzan Creek, a salmon bearing stream, flows within a culvert under the length of the property (WDFW ID GR18). Lorenzan Creek supports Coho Salmon, a federal species of concern, and Cutthroat and Rainbow Trout. This culvert is a documented barrier to fish passage. All stormwater on site is directly discharged into this culvert. This includes runoff from the parking surfaces, roof structures, and discharged stormwater from WSDOT's system to the north of the property.

This phase of the project (County project WA402245) will complete an alternatives analysis for the site that will include, at a minimum, daylighting Lorenzan Creek, retro-fitting the stormwater system while providing fish passage improvements, and no-action. Jason Quigley, Stormwater Permit Program Coordinator, will oversee stormwater project elements. Emily Derenne, Habitat Restoration Specialist, will manage the project and oversee habitat project elements. Funding has been awarded from the Department of Ecology and PSE Article 505 as described in Update #1.

AUGUST 2021 UPDATE

- *Design* – Herrera finished the draft basin and surface area delineation (desktop)
- *Permitting and Environmental Compliance* – The Archeological Monitoring Plan was submitted to Ecology for review.

SEPTEMBER 2021 UPDATE

- *Communication* –
 - On site meeting with SRSC and USIT to discuss bankfull determinations. It was determined that the Herrera would compare downstream measurements to WSDOT modeling for their Lorenzan Creek culvert project. Upstream of the project site is not indicative of natural processes and will not be used in designing the new stream or structure.
 - VEDA has begun work on the Stakeholder Outreach Plan
 - Lorenzan Creek was historically spelled Lorenzen. Due to consistency with WDFW, WSDOT, and ECY the County is going to continue to use the -an ending moving forward.
- *Design* –
 - Field work was partially completed 9/30. This included pebble counts, wetland delineations, and OWHM flagging. Due to rain, some work, including geotechnical explorations, is rescheduled for October.

- Skagit County staff walked much of the stream from Limestone Street to the Skagit River and collected flow path and stormwater infrastructure data.
- *Permitting and Environmental Compliance* – Ecology approved the Monitoring Plan. This included a brief training the morning of 9/30, prior to ground disturbing work.
- *Funding* – County finalized agreement with PSE.

UPCOMING

- Determine alternatives based on stakeholder meeting and field work findings
- Complete field work such as geotechnical work – scheduled 10/5