CONSTRUCTION STORMWATER GENERAL PERMIT INSPECTION REPORT

State of Washington Department of Ecology

Section A: General Data

Ecology Inspector(s):	On-Site Representative	Inspection Date and Entry/Exit Time:	Inspection Type:
Carol Serdar, Jess Eakens	Name: Thom Fischer Title: Permittee, Site Owner Phone: 360-738-9999 Email: thom@electronhydro.com	October 27, 2020, 09:30/14:45	Announced
		Receiving waters: Puyallup River	Permit webpage: https://fortress.wa.gov/ecy/paris/FacilitySummary.aspx?FacilityId=70091

Section B: Background

The Electron Hydro LLC Intake project is covered under the State of Washington's Construction Stormwater General Permit (CSWGP). The CSWGP is a National Pollutant Discharge Elimination System (NPDES) and a State Waste Discharge permit for discharge of construction-related stormwater. The purpose of this inspection is to conduct a compliance inspection and to provide technical assistance as appropriate. Ecology had previously been to the site previously: July 2017 (JARPA review for the then proposed re-construction); 11 August 2020; 17 August 2020; 21 September 2020, 30 September 2020, and on 19 October 2020.

This inspection report will include the review of CSWGP plans and records and in-stream winter stabilization work. The settling basin area was also viewed, which is not within or near the CSWGP site, but has implications related to hydro operations and sediment management. Follow-up is occurring outside of the CSWGP.

SWPPP, SWPPP map and site log book have all been updated to include all BMPs being used on-site, specifically those used in response to the hydraulic fluid spill that occurred on 9/29/2020. ERTS and responses were not included in the site log-book. Ecology sent a follow-up email on 10/29/2020 with copies of all ERTS attached. Concrete stairs are complete, with slope stabilized. All fueling tanks had secondary containment. Work consisted of directing flow toward the western bank (left stream bank) in order to clean-up remaining crumb rubber from the sports turf that was below the temporary by-pass channel.

Weather at time of inspection: Scattered clouds in the morning & 40s. Clear skies in the afternoon & 50s

Precipitation in the past 24 hours?

☐ Yes
☑ No

Section C: Compliance

Inspection Checklist

Is the Permit Coverage Letter on-site?	Is a copy of the CSWGP on-site?	Is the Site Log Book Current?	Is the Site Log Book Adequate?
☑ Yes ☐ No	☑ Yes ☐ No	☑ Yes ☐ No	☐ Yes ☑ No
Are Site Inspections Recorded?	**Are Site Inspections Adequate?**	**Permittee has Prepared and Implemented a SWPPP?**	**Is the SWPPP Adequate?**
☑ Yes ☐ No	☑ Yes ☐ No	☑ Yes ☐ No	☑ Yes ☐ No

Violations and action required to achieve compliance	Complete or submit date	Guidance
S4.A Site Log Book **ERTS and responses not included in site-log book.** **Failure to meet S4.A:** The site maintenance log books are not adequate. Retain Plans and Records on site, or within reasonable access to the site for use by the operator or for on-site review by Ecology or the local jurisdiction.	**7 days** from the date of this inspection.	
S9.D.11 Maintain BMPs **Unmaintained wattles observed between infiltration 'forested uplands area' and 'backup forested uplands area.'** **Failure to meet S9.D.11.a:** Permittee must maintain and repair all temporary and permanent erosion and sediment control BMPs as needed to assure continued performance of their intended function in accordance with BMP specifications., Failure to meet S9.D.11.b: Permittee must remove all temporary erosion and sediment control BMPs within 30 days after achieving final site stabilization or after the temporary BMPs are no longer needed. Maintain and repair all temporary and permanent BMPs, as set forth in permit condition S9.D.11.a.	Immediately begin. Address the problems **no later than 10 days** from the date of this inspection.	SWMMWW, Chapter II-4 Best Management Practices Standards and Specifications, C150, C160

For assistance with any of these compliance issues or recommendations regarding BMPs, please see the 2014 Stormwater Management Manual for Western Washington (SWMMWW), Volume II, Construction Stormwater Pollution Prevention which includes BMPs for Source Control and Runoff Conveyance and Treatment BMPs. The full SWMMWW is available at: http://www.ecy.wa.gov/programs/wq/stormwater/manual.html.

The Department of Ecology has the authority to issue formal enforcement actions including issuance of orders and civil penalties of up to $10,000 per day per violation for violations of your NPDES permit and/or state laws and regulations.

Noncompliance with the limits, monitoring requirements, terms and/or conditions established in your permit may result in formal enforcement action by the Department of Ecology.

Ecology Inspector (signature): Jess Eakens Date: November 17, 2020
Ecology Inspector (print name): Jess Eakens

Water Quality Program
Southwest Regional Office
PO Box 47775 Olympia, WA 98504-7775
SWRO Tel: 360-407-6300

All photos taken by Carol Serdar, Jess Eakens

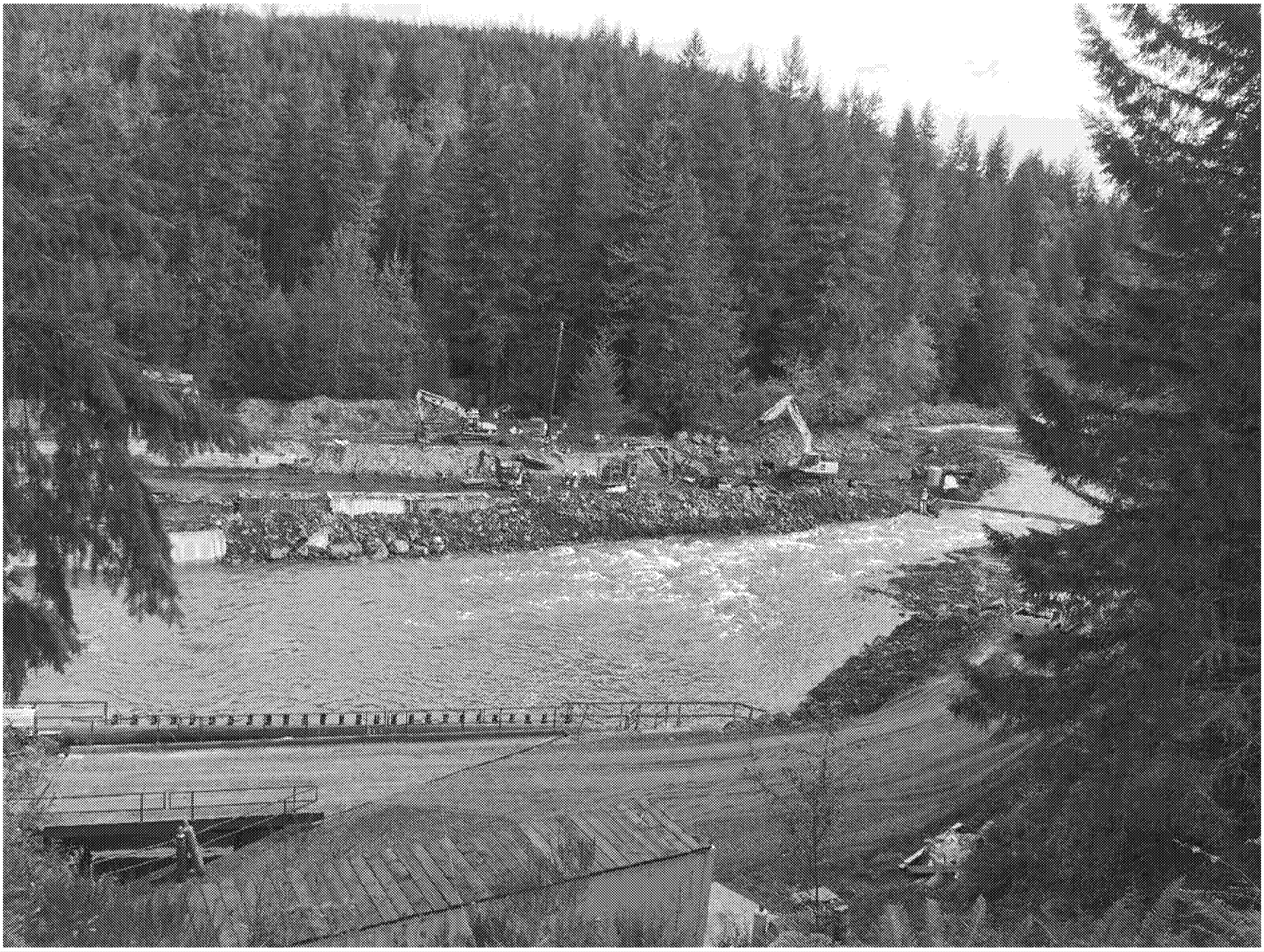
Photo 1

Photo Description: General view of in-water work

Date:2020/10/27 Time:11:10:58 Lat: Long: Direction degrees:

Photo 2

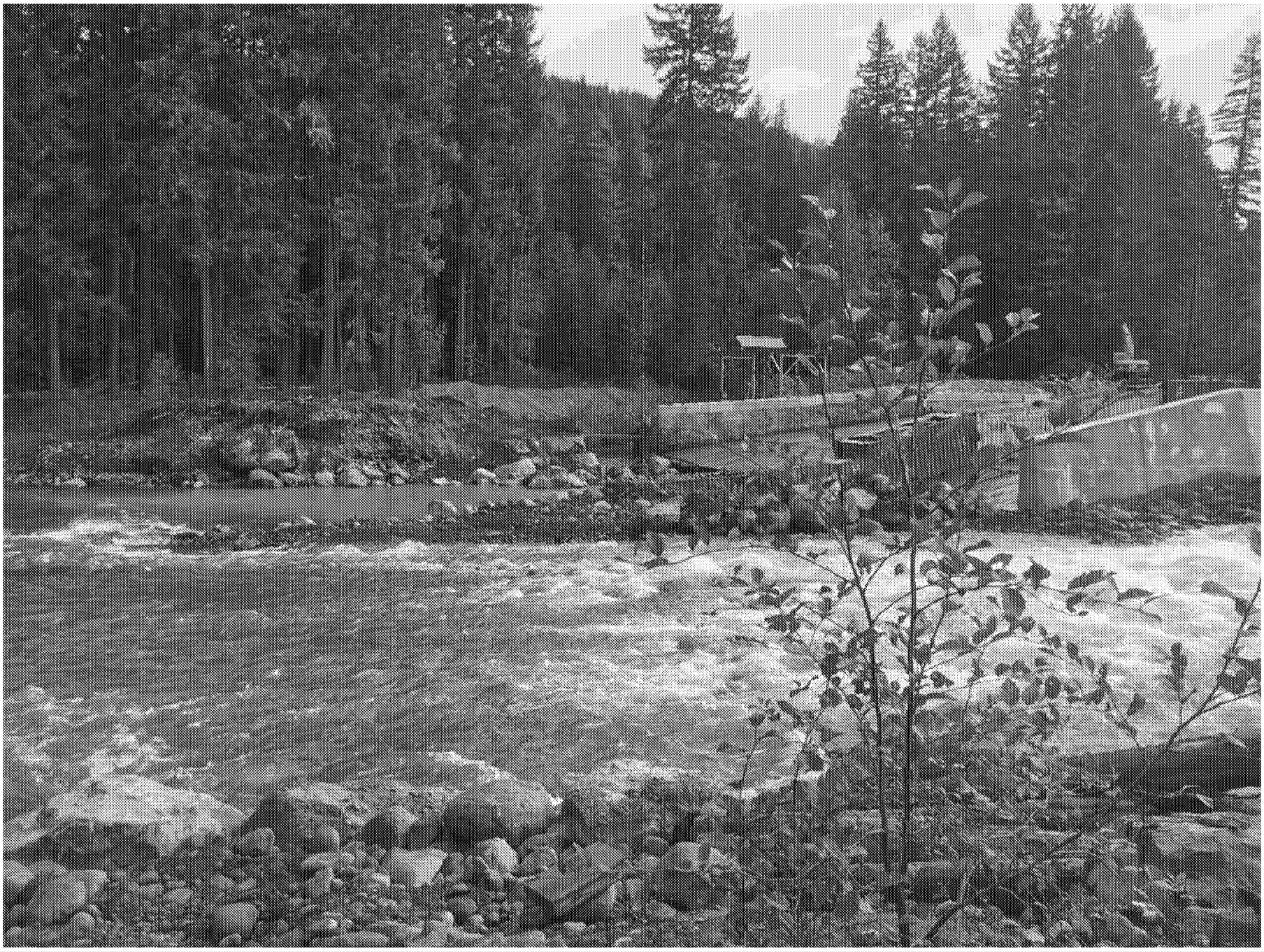
Photo Description: General view of in-water work



Date:2020/10/27 Time:11:13:24 Lat: Long: Direction degrees:

Photo 3

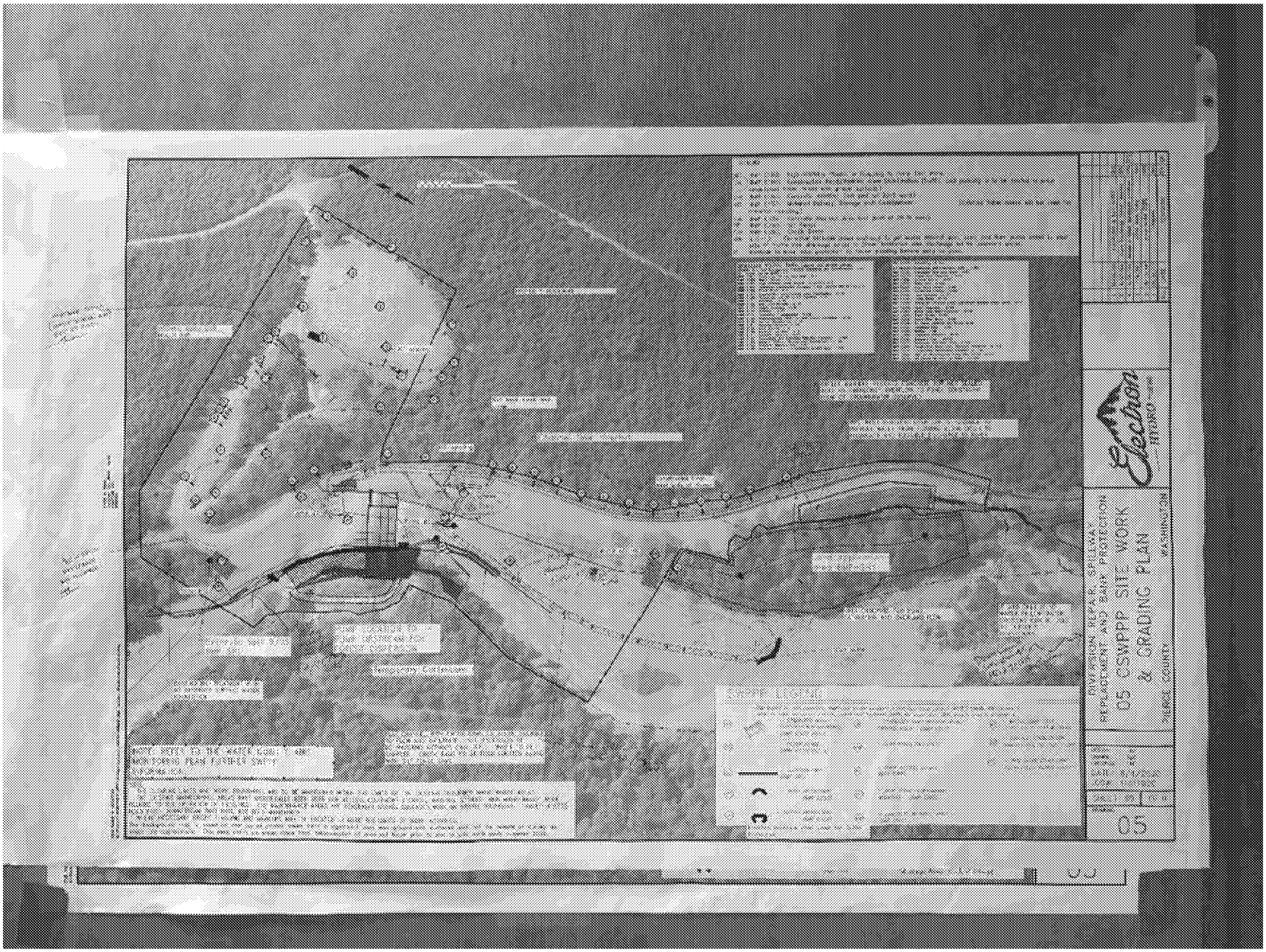
Photo Description: General view of in-water work; note turbidity plume in back eddy adjacent to the wooden structure



Date:2020/10/27 Time:11:23:46 Lat: Long: Direction degrees:

Photo 4

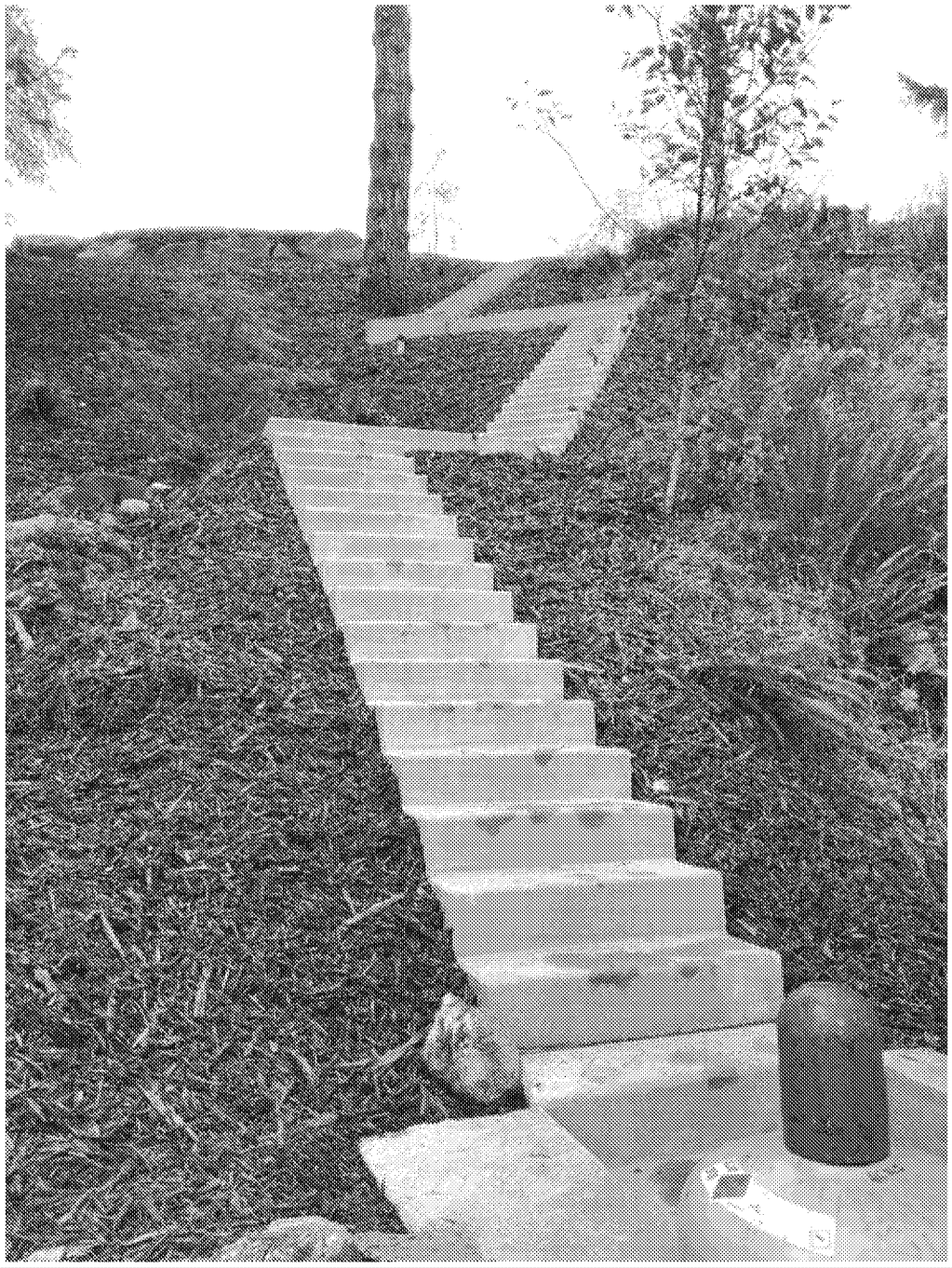
Photo Description: SWPPP Map



Date:2020/10/27 Time:10:54:32 Lat:46.90535 Long:-122.04014 Direction degrees:106.20272

Photo 5

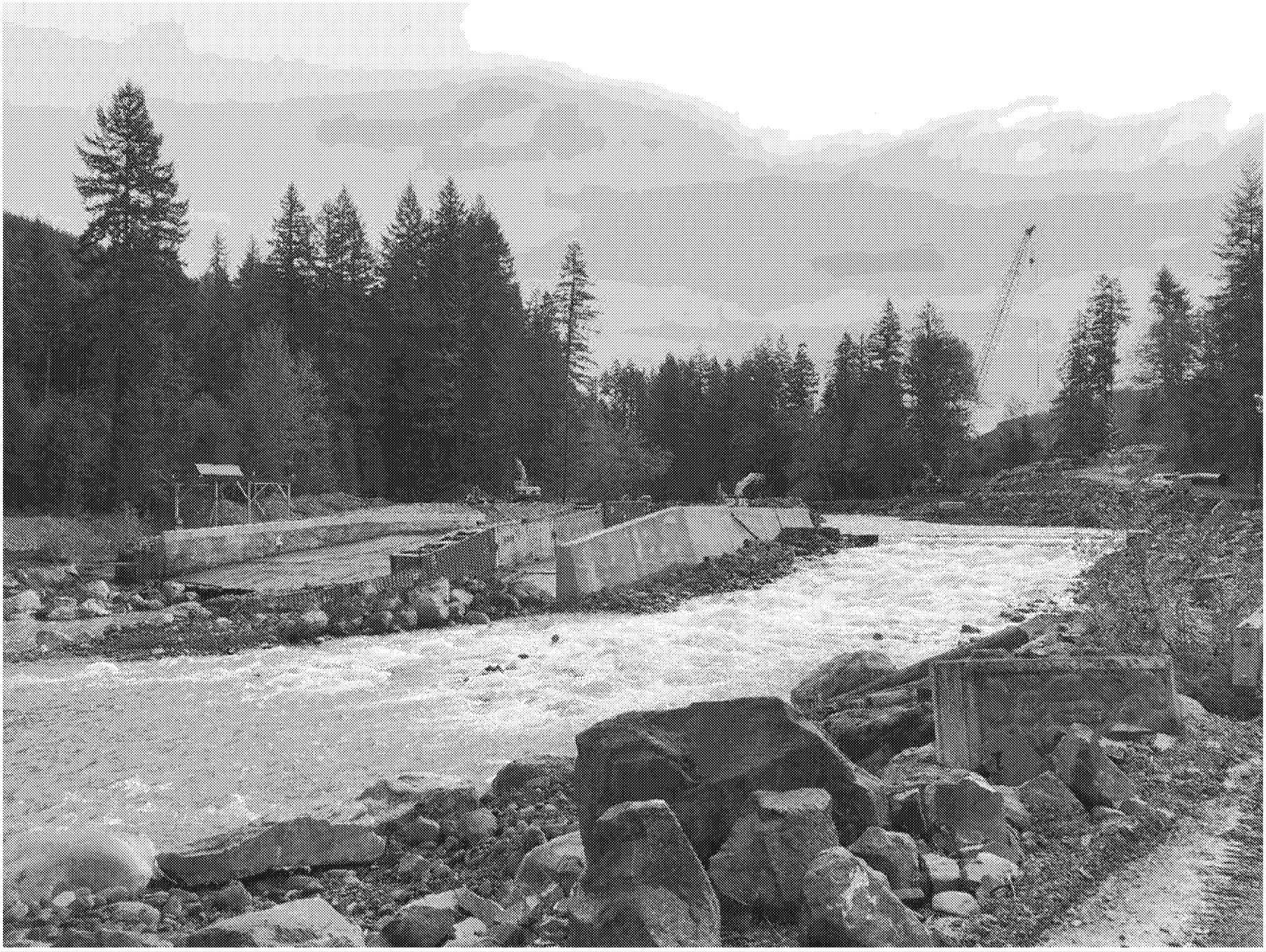
Photo Description: Concrete stairs from uplands CSWGP area, to in-water hydro operation work



Date:2020/10/27 Time:11:20:34 Lat:46.90563 Long:-122.0401 Direction degrees:226.07521

Photo 6

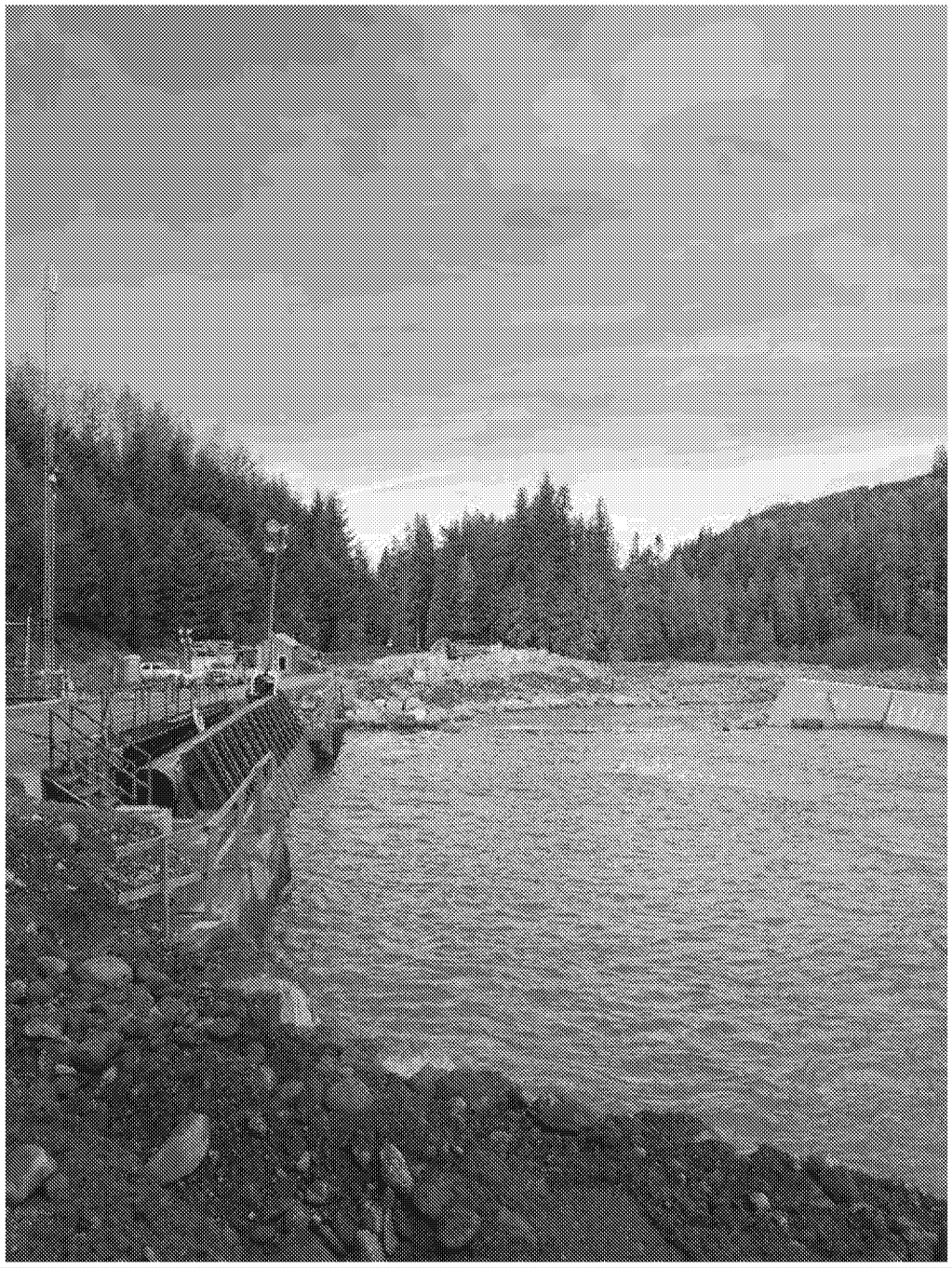
Photo Description: Flow being re-directed in order to clean-up remaining crumb rubber



Date:2020/10/27 Time:11:24:24 Lat:46.90635 Long:-122.04019 Direction degrees:126.82132

Photo 7

Photo Description: View downstream from western bank; intake structure has metal sheeting on top of trash rack; river meanders to right where construction road was located.



Date:2020/10/27 Time:11:49:01 Lat:46.90559 Long:-122.03941 Direction degrees:337.94174

Photo 8

Photo Description: View downstream from right bank; note turbidity plume in back eddy adjacent to the wooden structure.

Date:2020/10/27 Time:12:00:17 Lat:46.90614 Long:-122.03906 Direction degrees:323.29601

Photo 9

Photo Description: Remaining liner to be removed from fish ladder; we discussed pulling back bare soil from the edge of fish ladder to prevent erosion and sedimentation

Date:2020/10/27 Time:12:03:44 Lat:46.90622 Long:-122.03928 Direction degrees:27.0272

Photo 10

Photo Description: Secondary containment

Date:2020/10/27 Time:12:09:49 Lat:46.90604 Long:-122.0388 Direction degrees:288.82471

Photo 11

Photo Description: Clean-up of remaining crumb rubber

Date:2020/10/27 Time:12:13:18 Lat:46.9058 Long:-122.03866 Direction degrees:341.2946

Photo 12

Photo Description: Unmaintained wattles/ check dams

Date:2020/10/27 Time:11:32:08 Lat:46.90941 Long:-122.04266 Direction degrees:331.16727

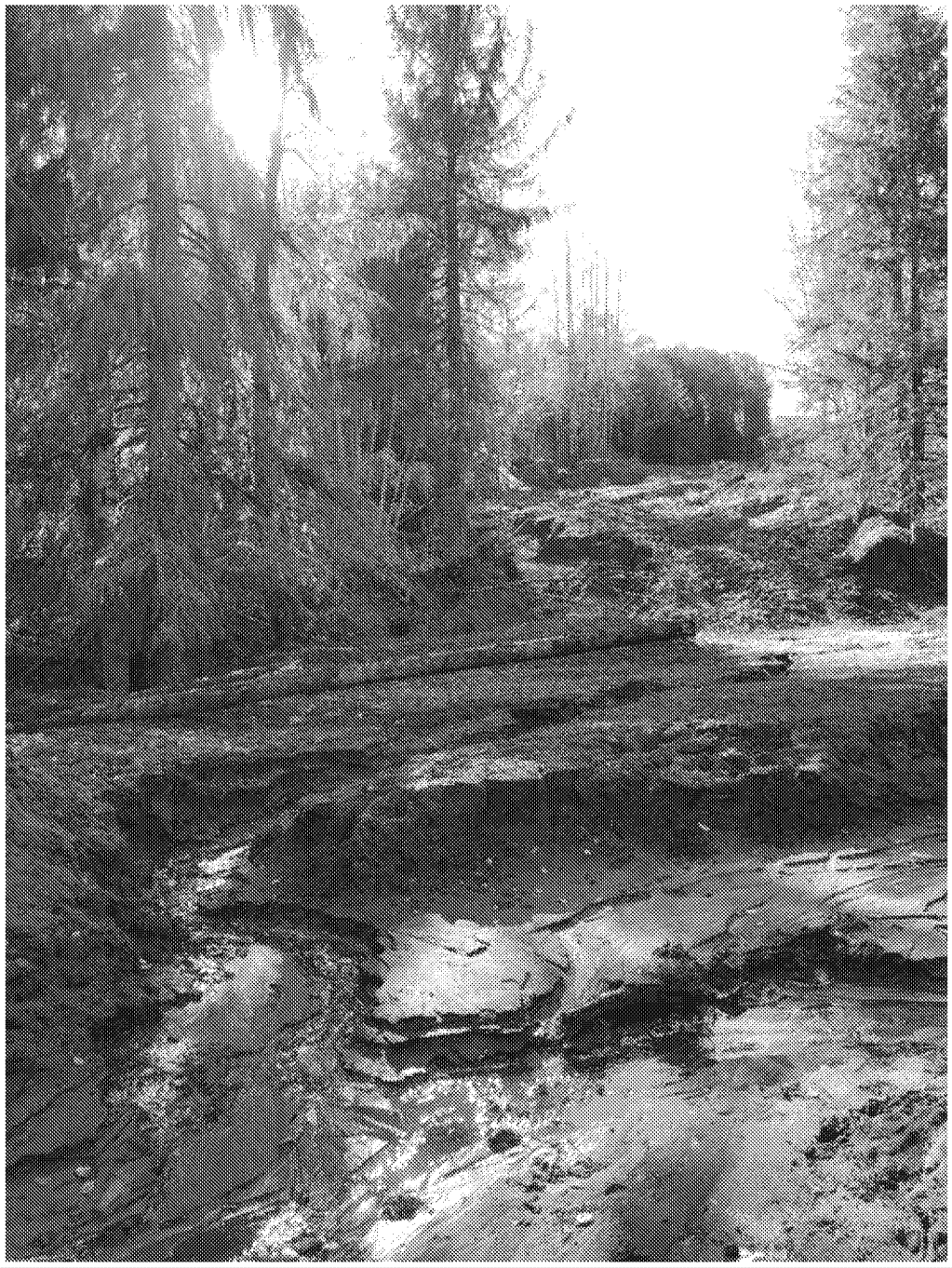
Photo 13

Photo Description: Landslide area, general view

Date:2020/10/27 Time:13:21:22 Lat: Long: Direction degrees:

Photo 14

Photo Description: Landslide area at settling basin



Date:2020/10/27 Time:13:56:07 Lat:46.95414 Long:-122.07397 Direction degrees:217.12613

Photo 15

Photo Description: Extent of sediment transport, looking SW

Date:2020/10/27 Time:13:29:22 Lat:46.95476 Long:-122.07323 Direction degrees:212.85532

Photo 16

Photo Description: No additional signs of sediment transport, looking NE towards Puyallup River

Date:2020/10/27 Time:13:29:25 Lat:46.95475 Long:-122.07323 Direction degrees:48.6143