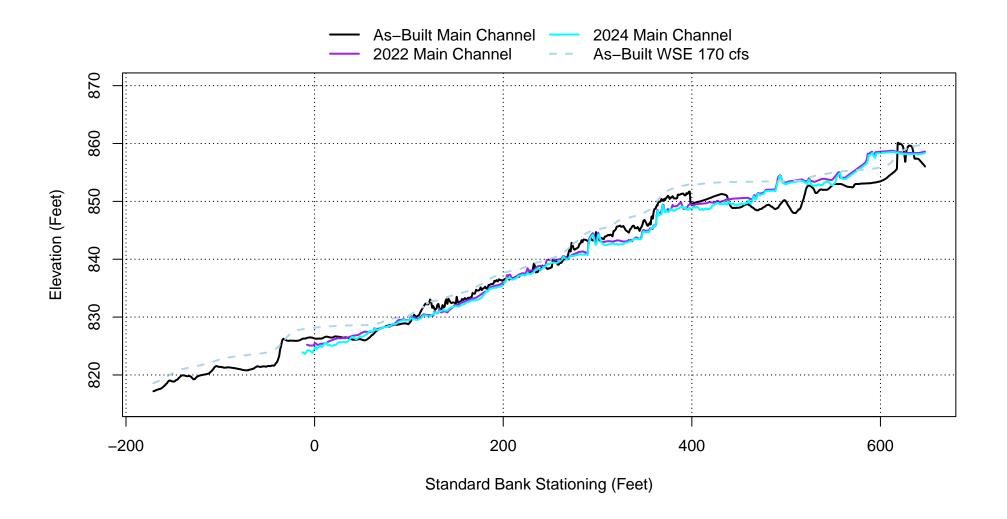
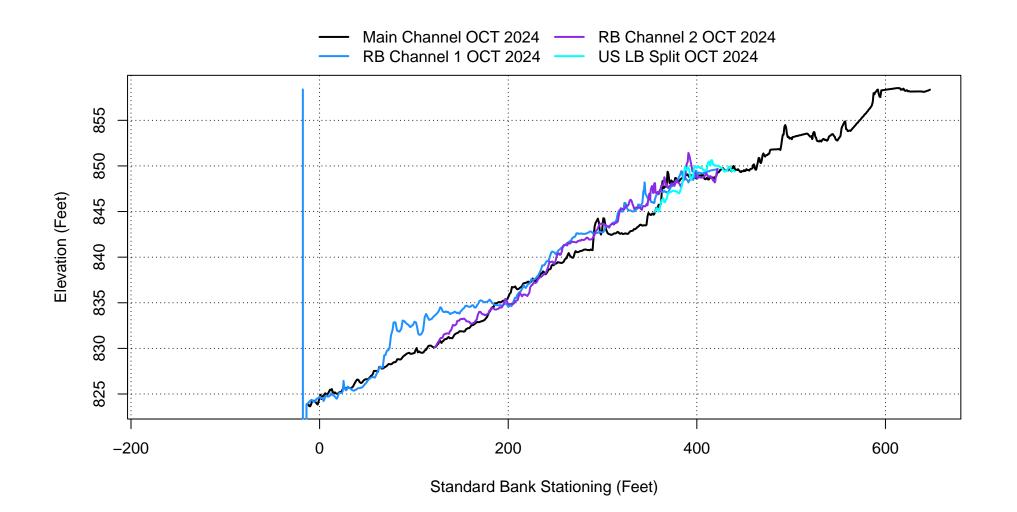


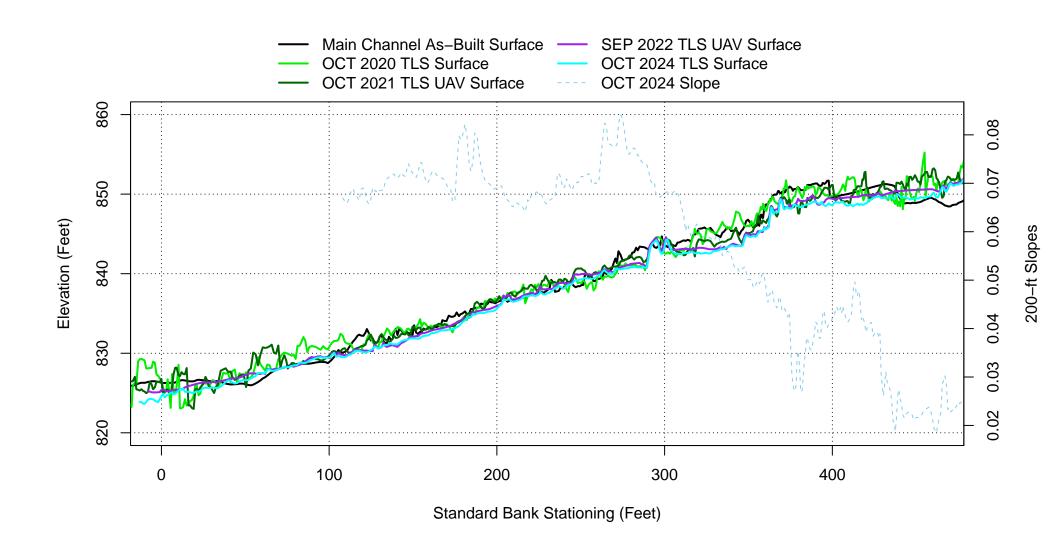
Channel Profiles

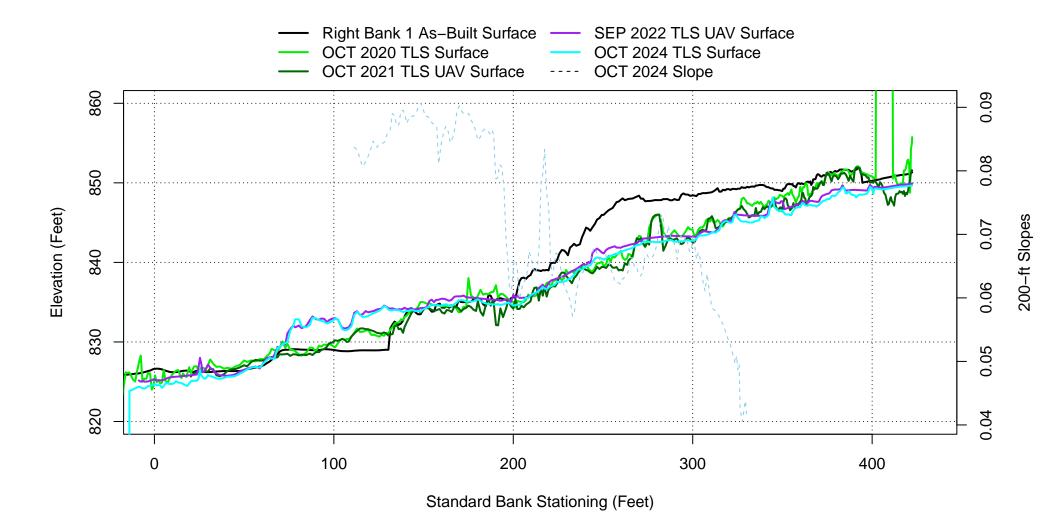
The following longitudinal profile plots include topographic data of the potential fish passage flow routes outlined in the Site Overview Map (Figure 2.1). Profile lines were extracted from the compiled as-built surface, the September 2022 TLS surface, the October 2024 TLS surface, and the modeled water surface elevations (WSE) at 170 cfs (the flows estimated at the time of the as-built survey), and the 200-ft slopes of the October 2024 terrain.

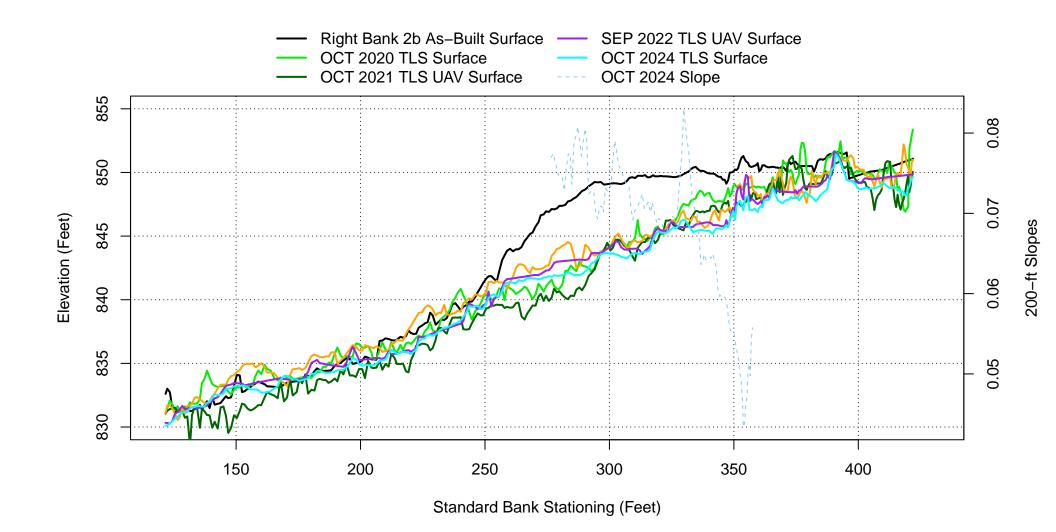
Modeled As-Built Conditions

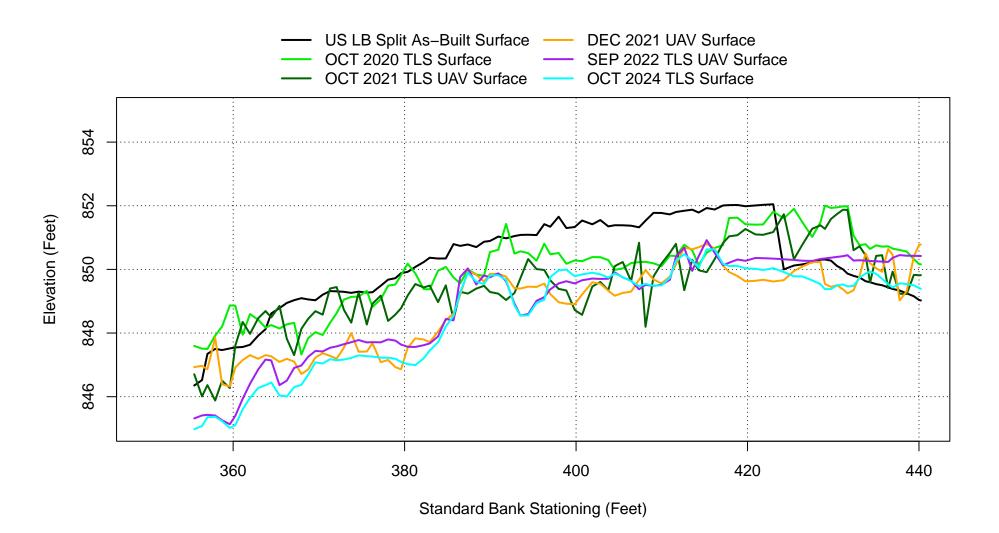












Roadway near time lapse camera ("Small Bridge" on map)



September 2021



September 2022





December 2023



December 2024



Photograph taken looking upstream from the roadway at the approximate timelapse camera location

Left Bank Location 1 (LB1)



September 2021

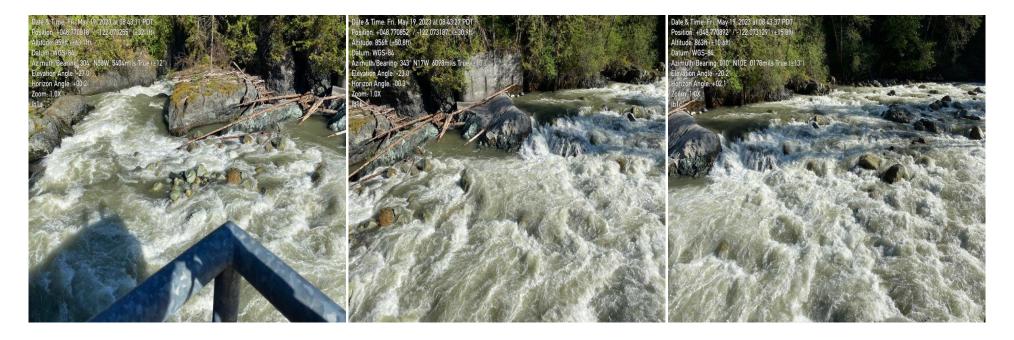


December 2021

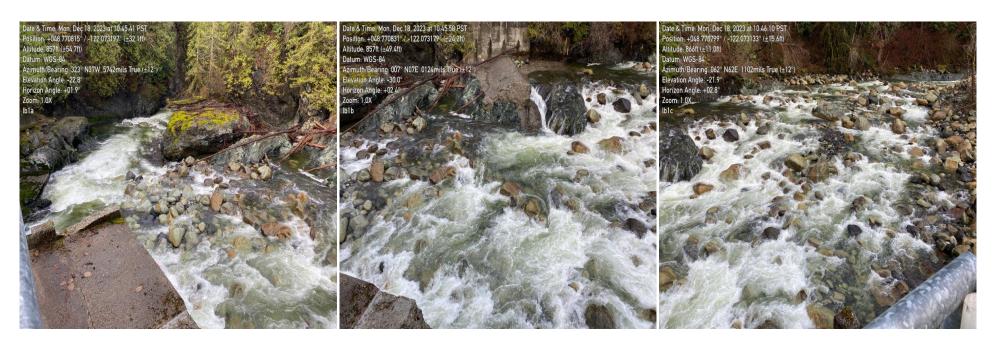


September 2022

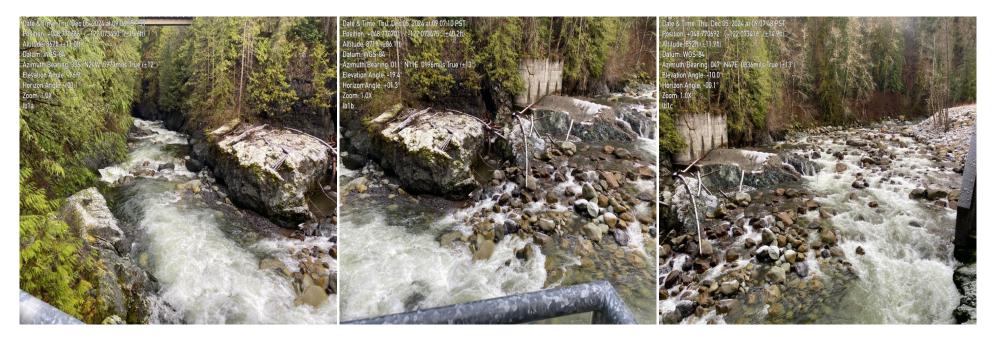




December 2023



December 2024



Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the photograph location marker

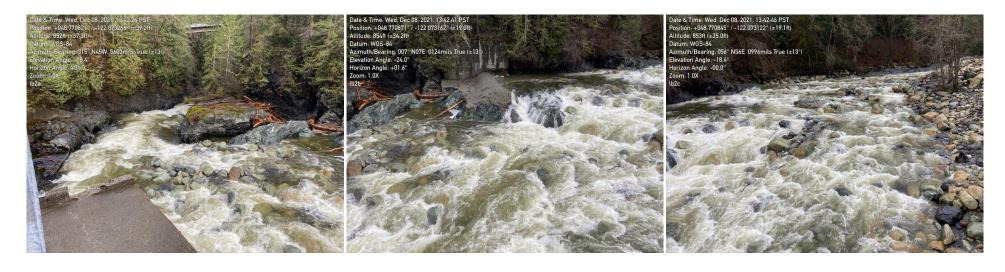
Left Bank Location 2 (LB2)



September 2021

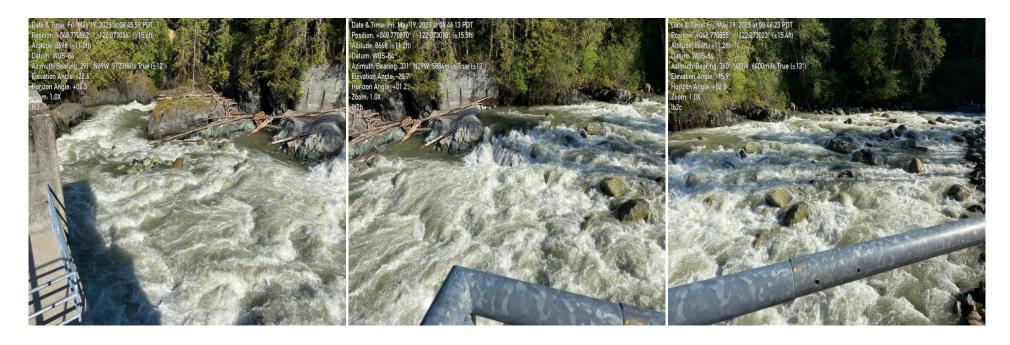


December 2021

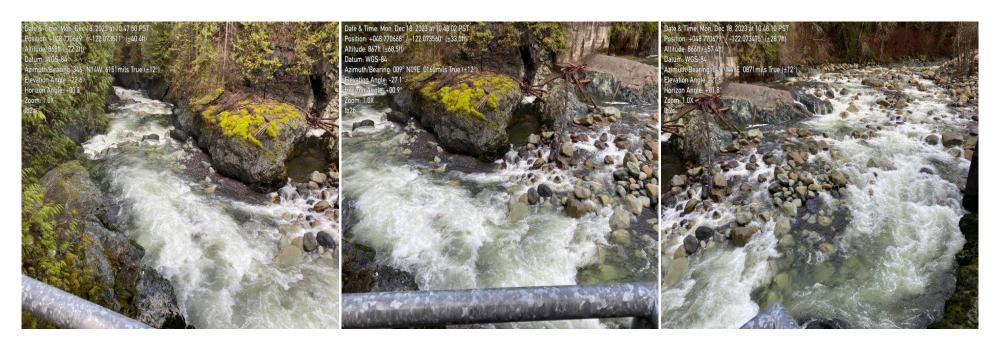


September 2022





December 2023



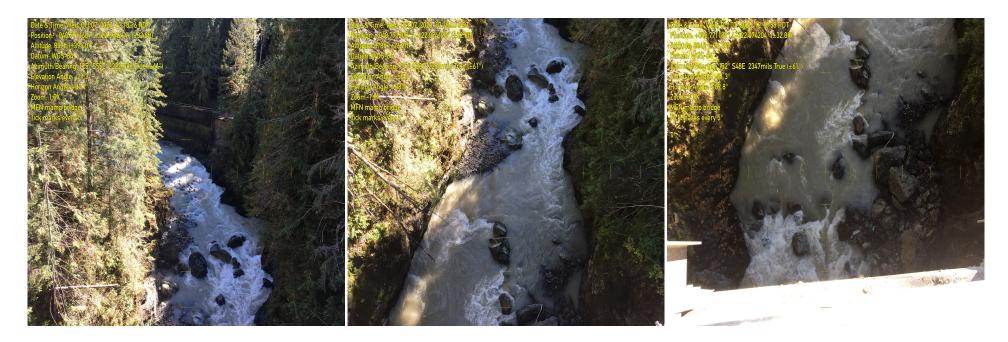
December 2024



Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the photograph location marker

Bridge Upstream Location (Bridge US)

October 2020



September 2022



May 2023



December 2023





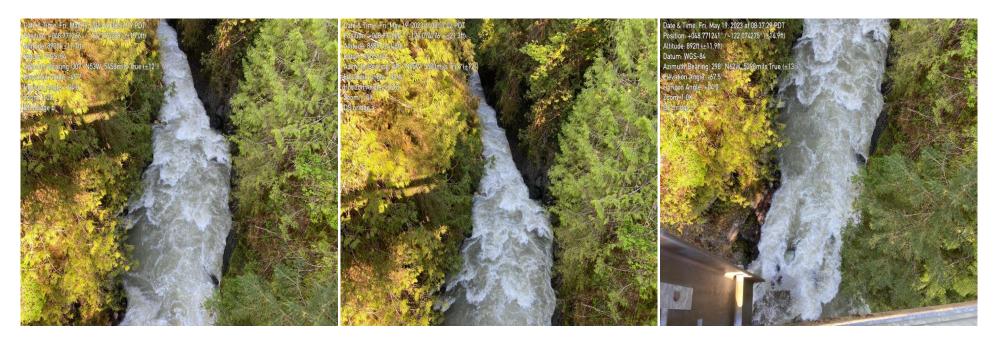
Photographs taken from the bridge center railing looking at the upstream horizon (left), upstream oblique (center) and directly below bridge (right)

Bridge Downstream Location (Bridge DS)

October 2020



May 2023



December 2023

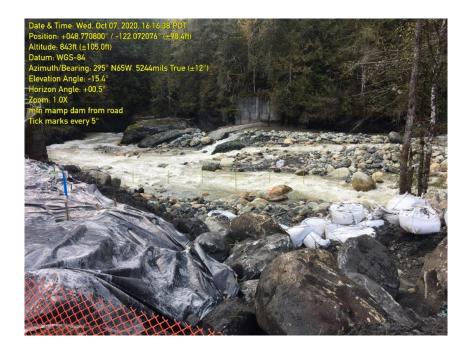


December 2024



Photographs taken from the bridge center railing looking at the downstream horizon (left), downstream oblique (center) and directly below bridge (right)

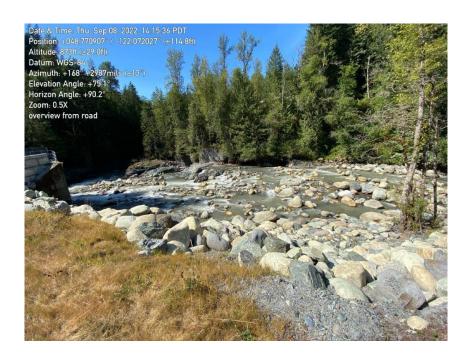
Overview from Road



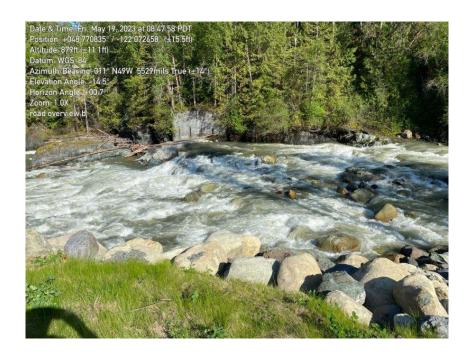
September 2021

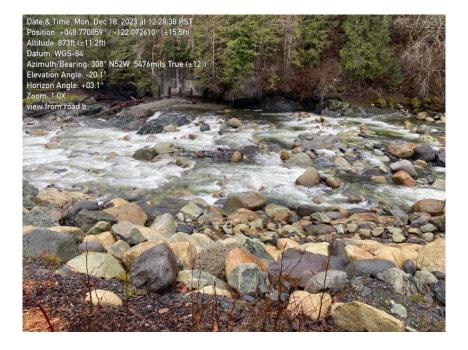


September 2022

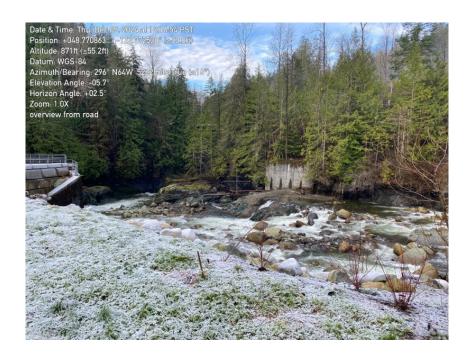


May 2023





December 2024



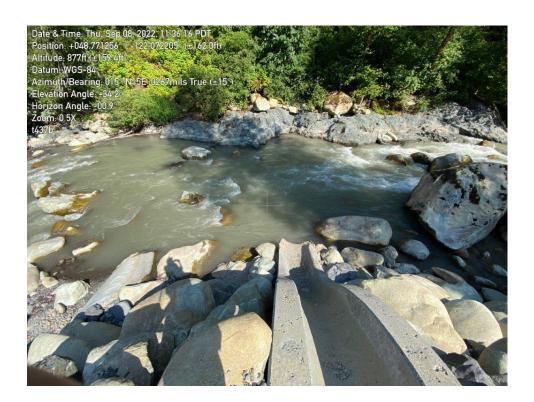
Photographs taken looking downstream from construction roadway

Fishway Outfall Slide (Transect 437 on map)

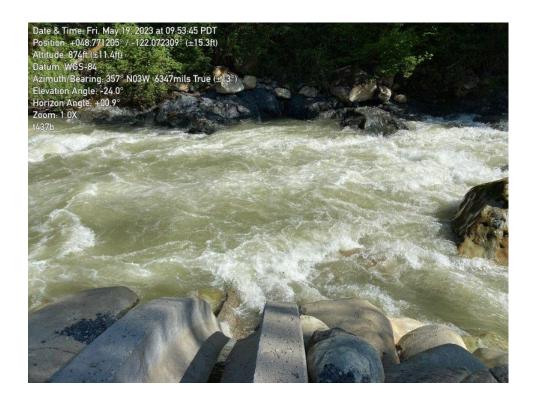
October 2020

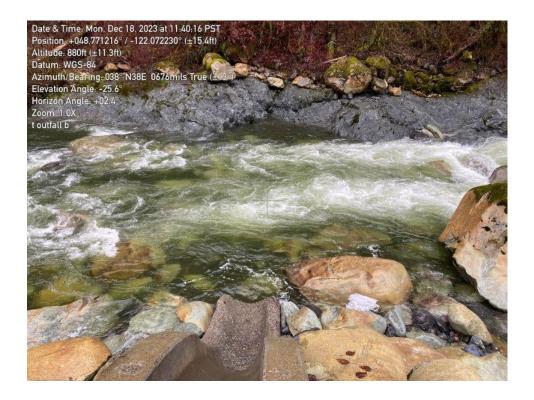


September 2022



May 2023





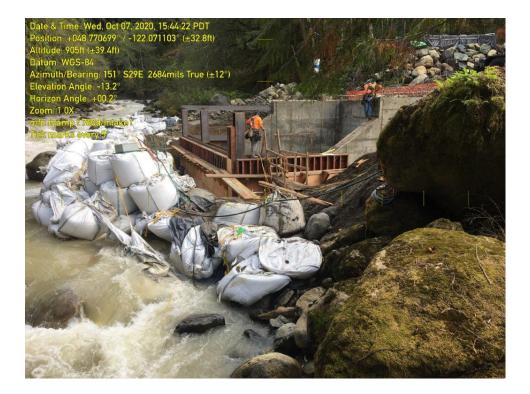
December 2024



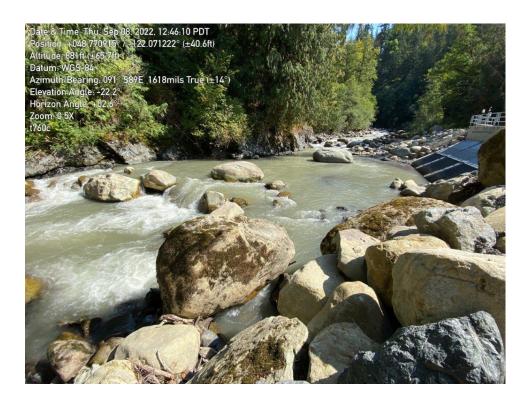
Photograph taken looking down at fishway outfall slide from Transect 437 marker

Intake 1 (Transect 760 on map)

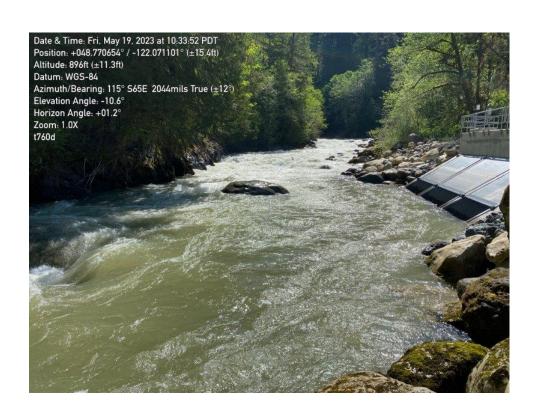
October 2020

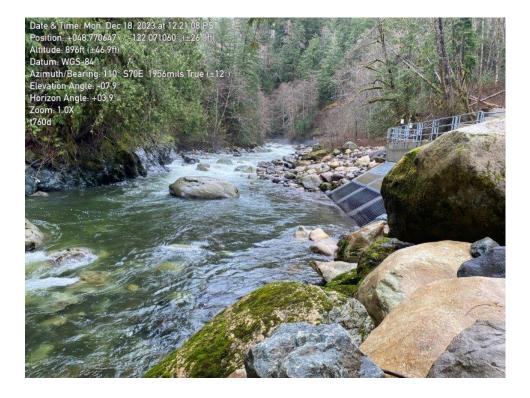


September 2022

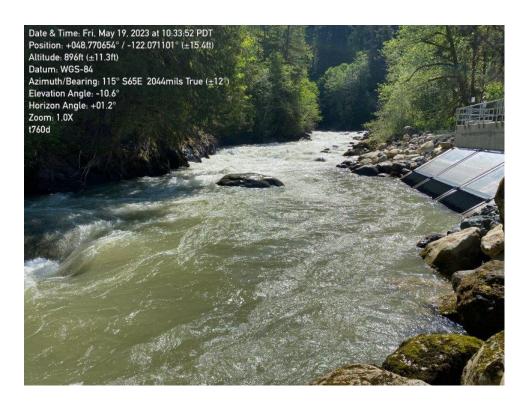


May 2023





December 2024

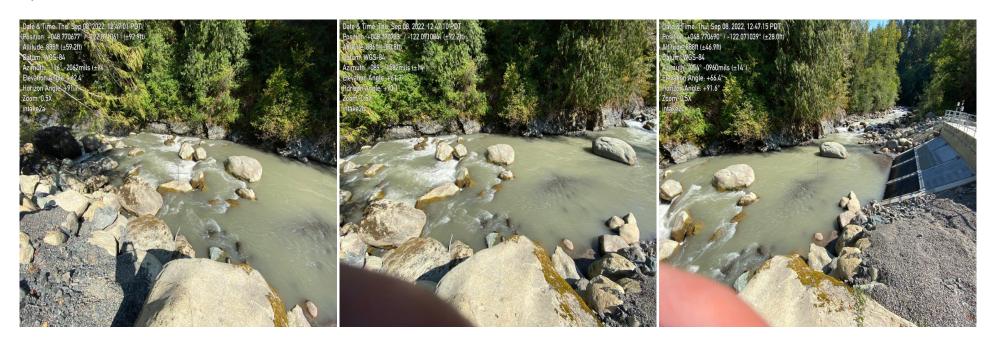


Photograph taken looking upstream from Transect 760 marker

Intake 2



September 2022



December 2023



December 2024



Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the photograph location marker

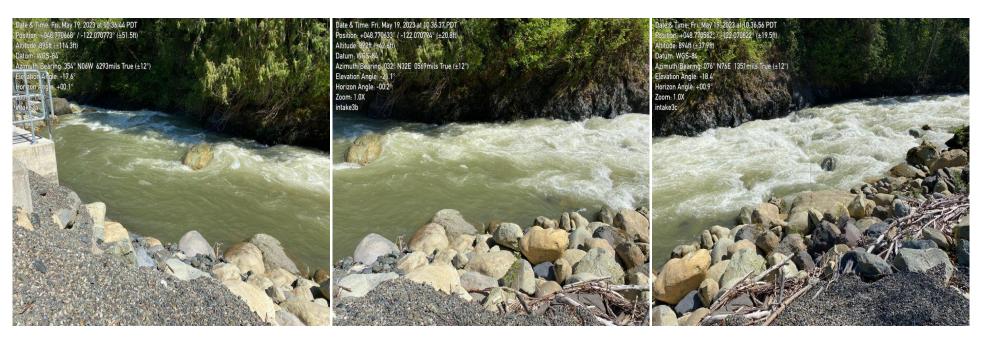
Intake 3



September 2022

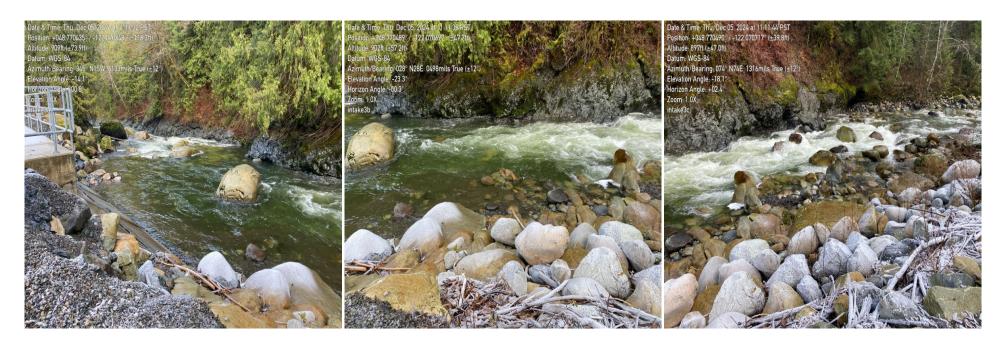


May 2023



December 2023





Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the photograph location marker

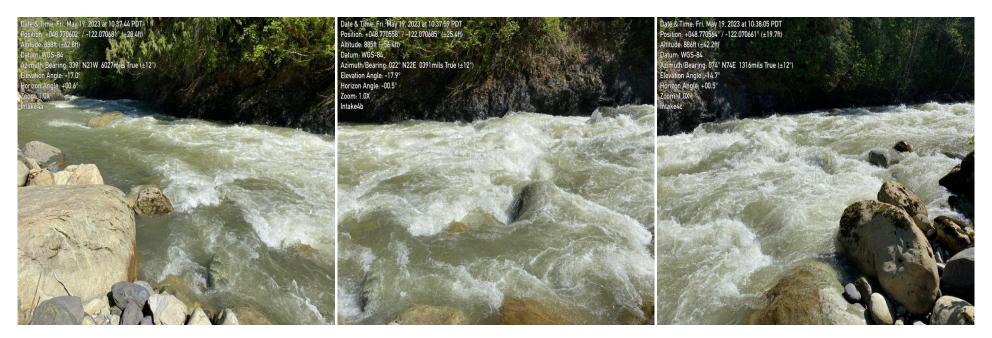
Intake 4



September 2022



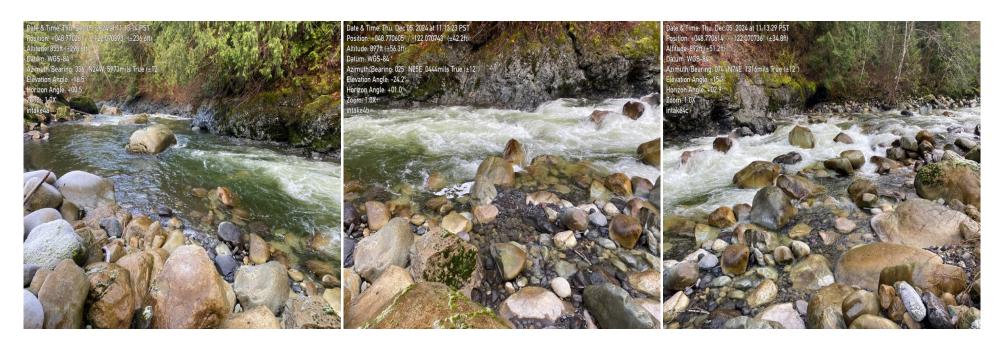
May 2023



December 2023



December 2024



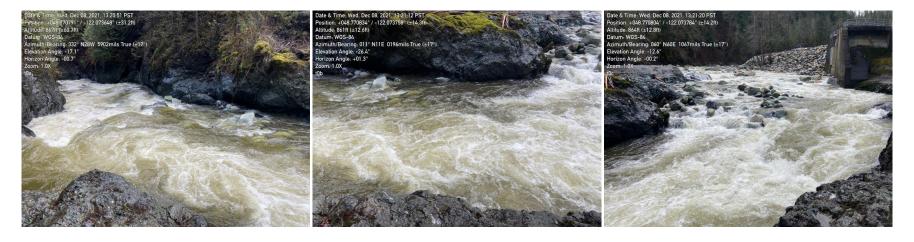
Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the photograph location marker



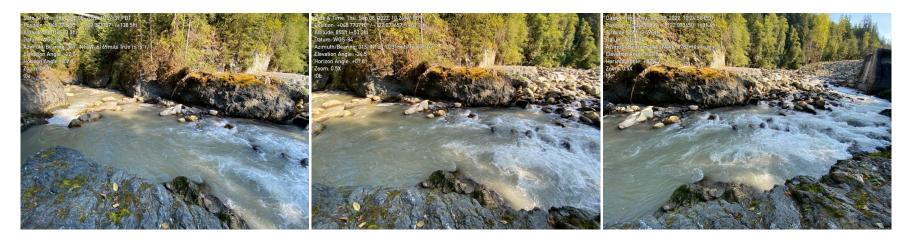
September 2021



December 2021

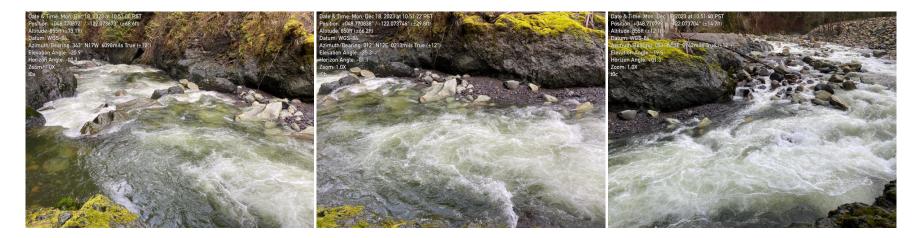


September 2022

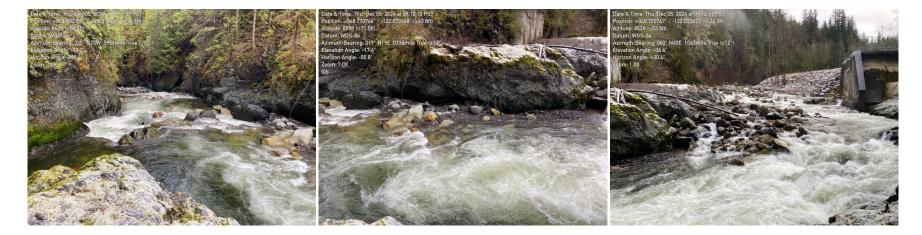


May 2023



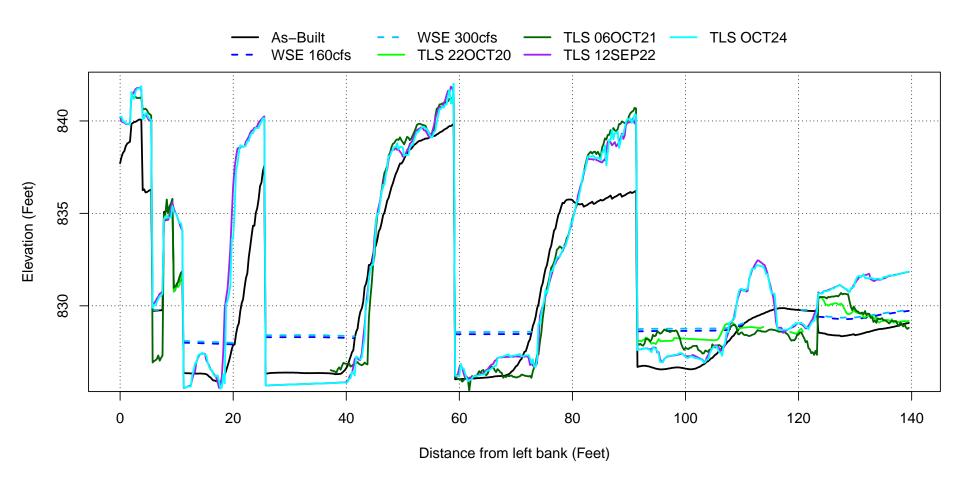


December 2024

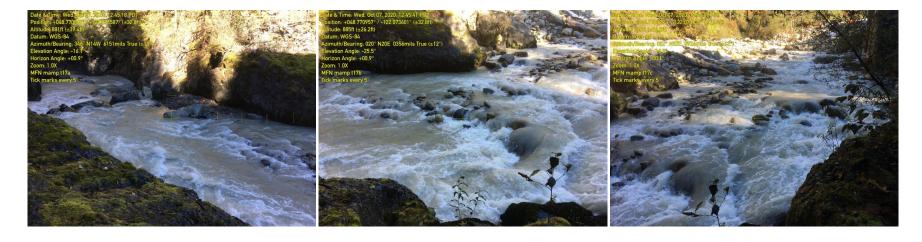


Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

Transect 0 - Plot



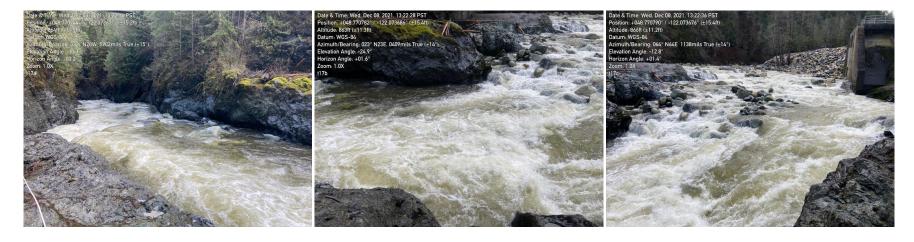
Plotted water surface elevations represent modeled WSE using the 2020 As-Built surface terrain. WSE is not representative for existing conditions (Post-2021 November flood).



September 2021



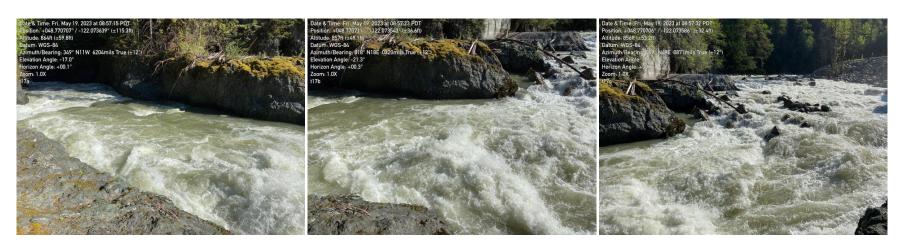
December 2021

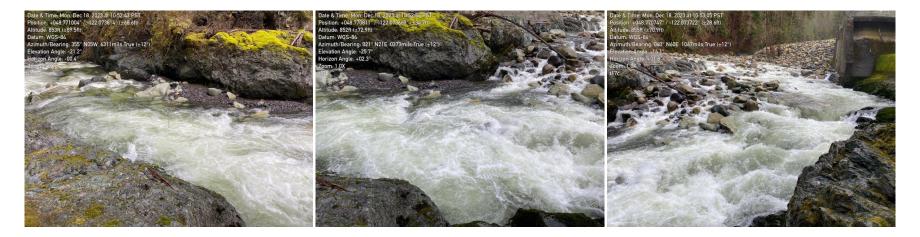


September 2022

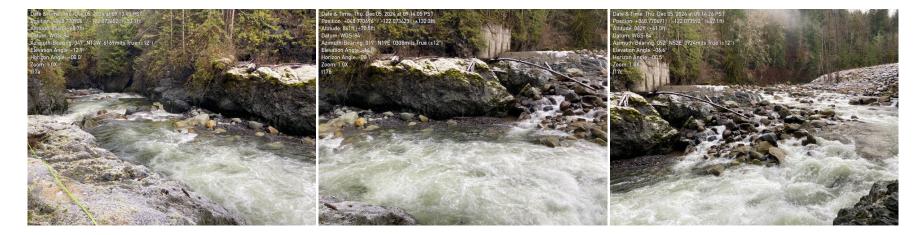


May 2023



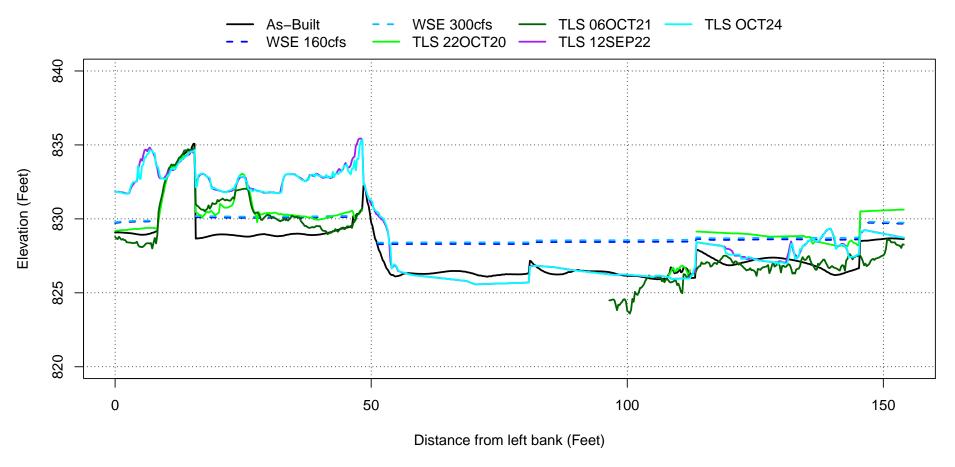


December 2024



Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

Transect 17 - Plot



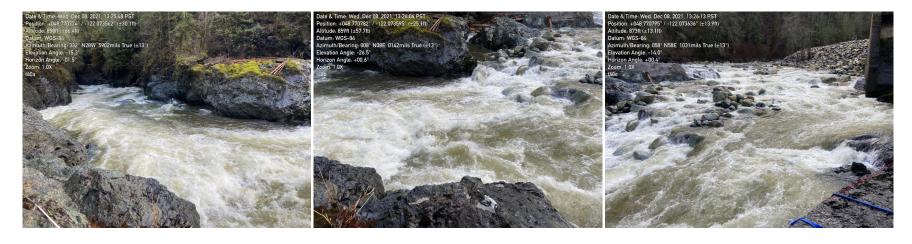
Plotted water surface elevations represent modeled WSE using the 2020 As-Built surface terrain. WSE is not representative for existing conditions (Post-2021 November flood).



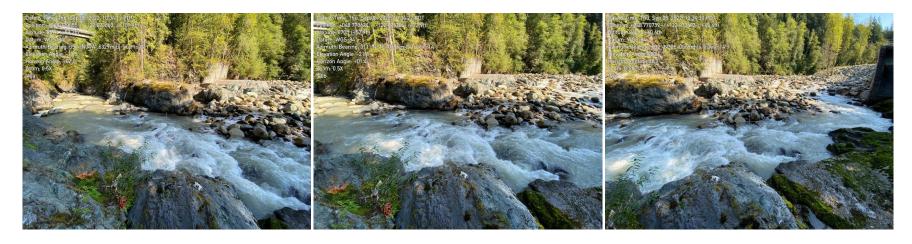
September 2021



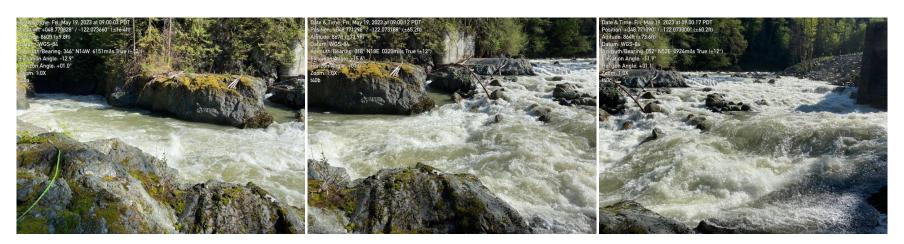
December 2021

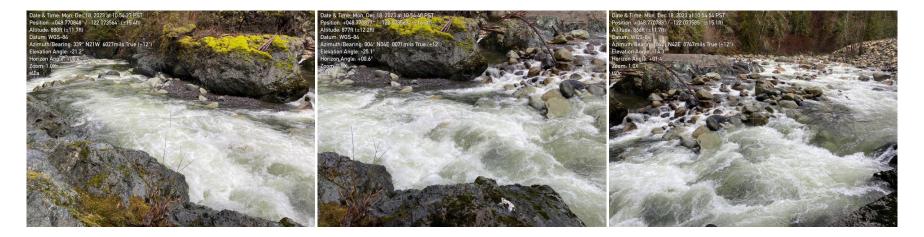


September 2022

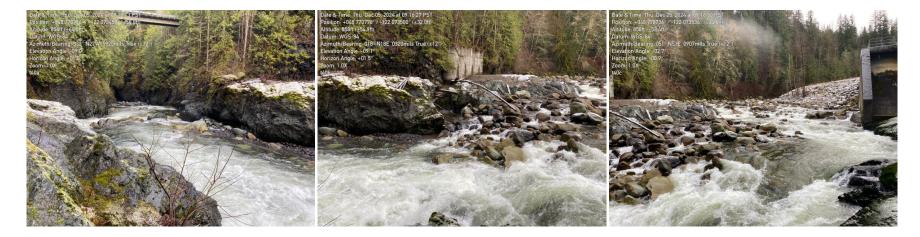


May 2023



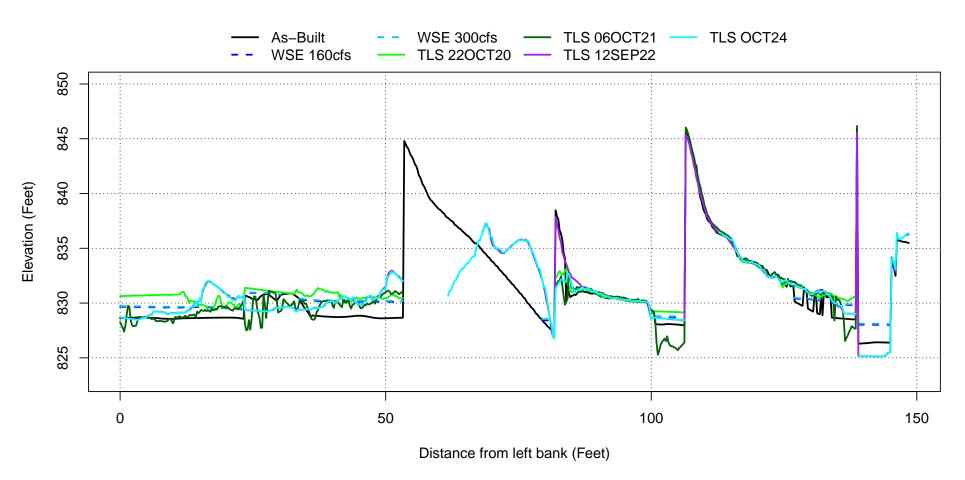


December 2024



Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

Transect 40 - Plot



Plotted water surface elevations represent modeled WSE using the 2020 As-Built surface terrain. WSE is not representative for existing conditions (Post-2021 November flood).



September 2021



December 2021

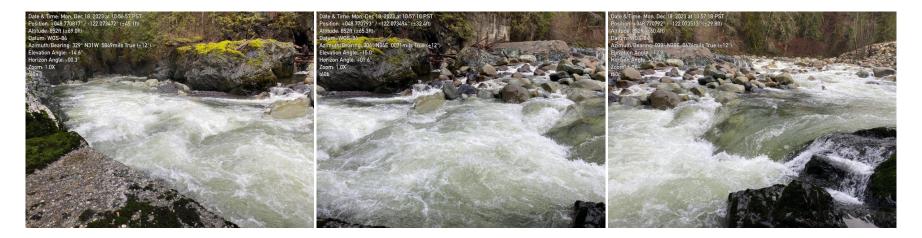


September 2022

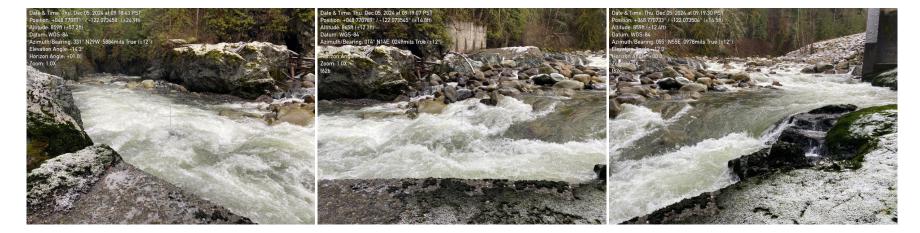


May 2023



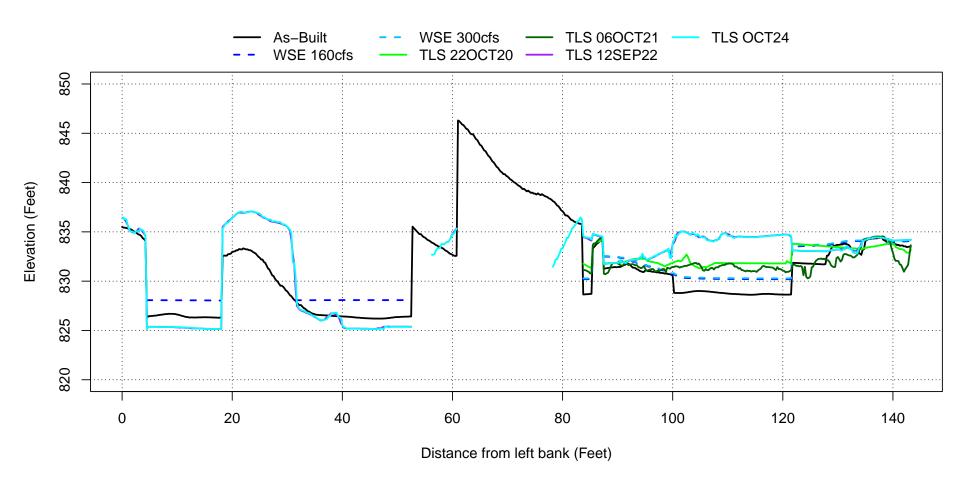


December 2024

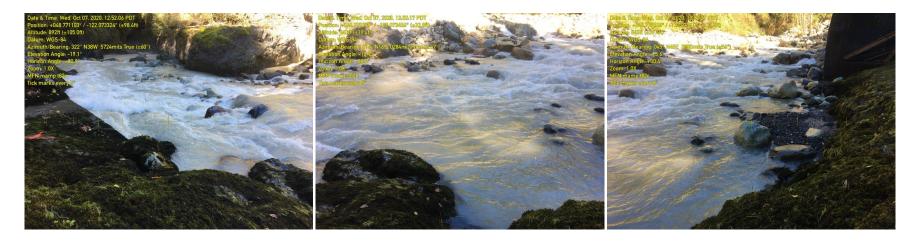


Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

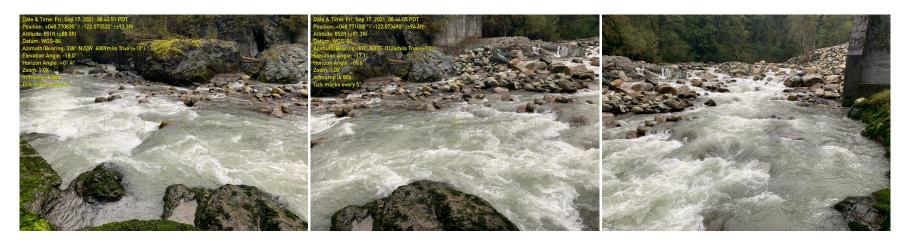
Transect 62 - Plot



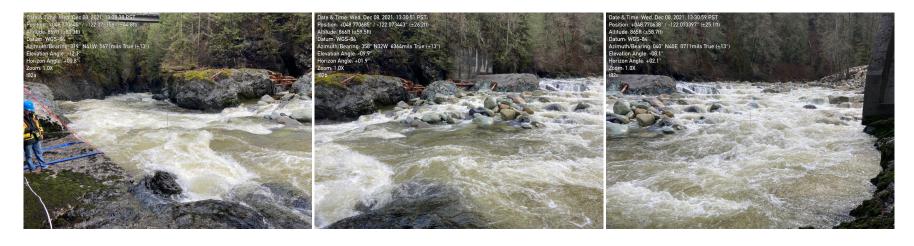
Plotted water surface elevations represent modeled WSE using the 2020 As-Built surface terrain. WSE is not representative for existing conditions (Post-2021 November flood).



September 2021



December 2021

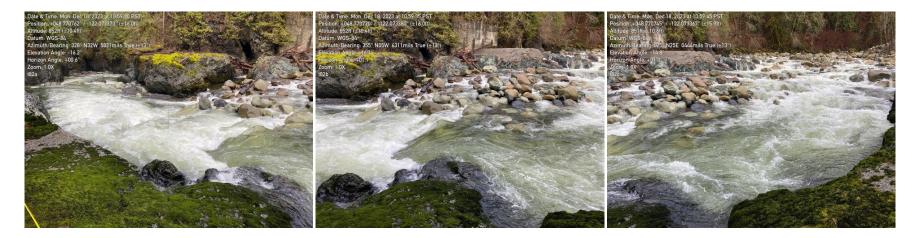


September 2022

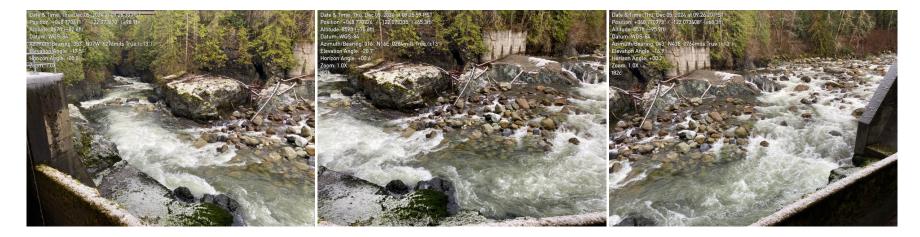


May 2023



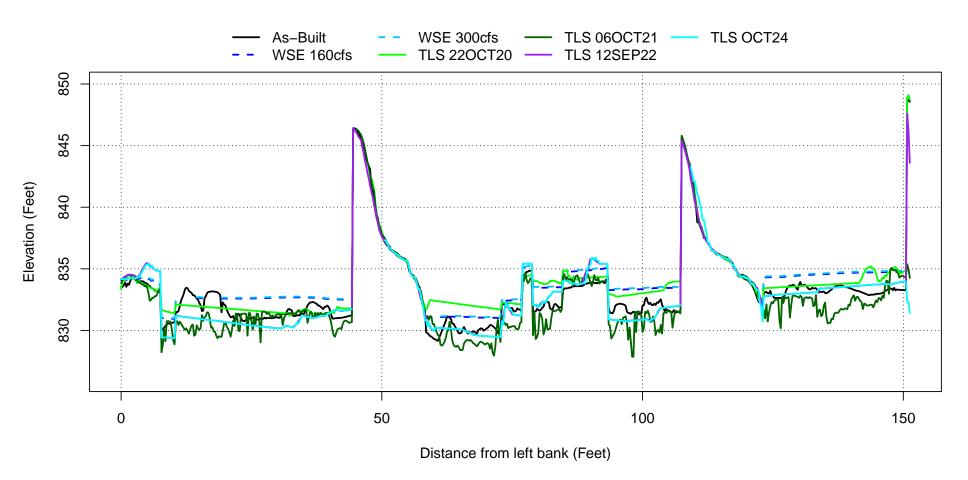


December 2024



Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

Transect 82 - Plot



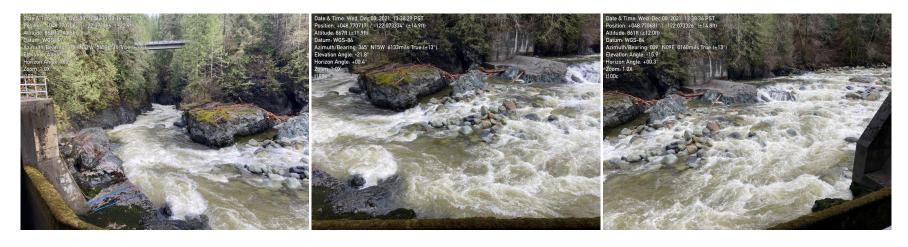
Plotted water surface elevations represent modeled WSE using the 2020 As-Built surface terrain. WSE is not representative for existing conditions (Post-2021 November flood).



September 2021



December 2021

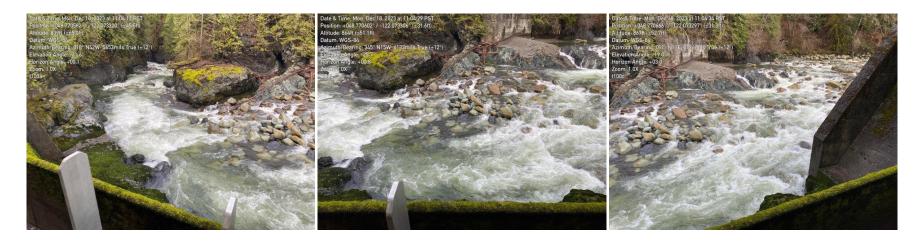


September 2022

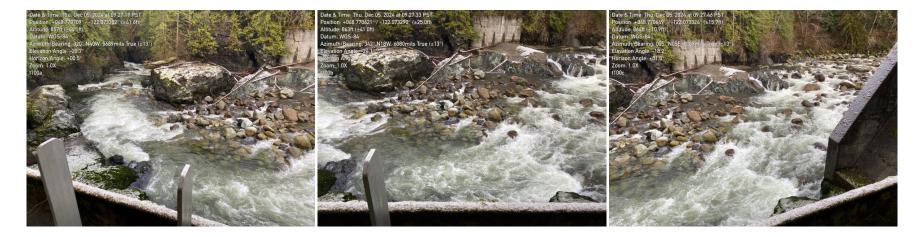


May 2023



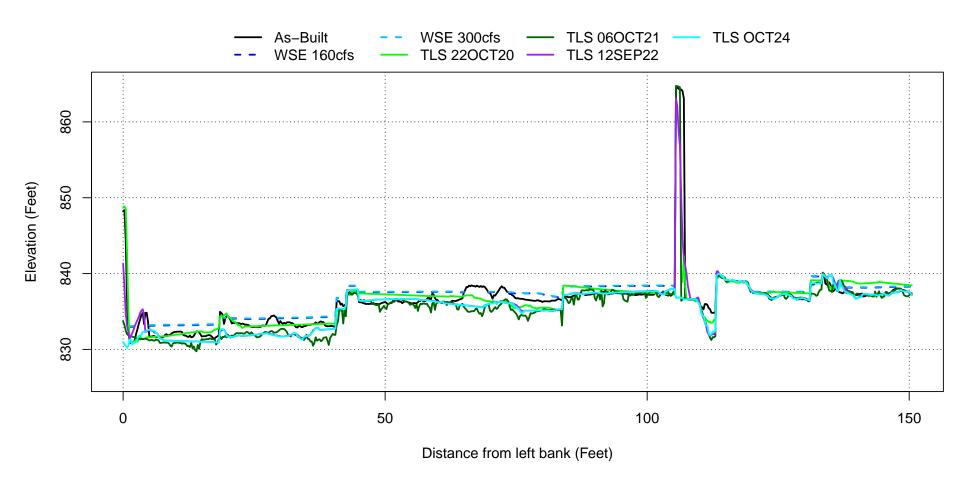


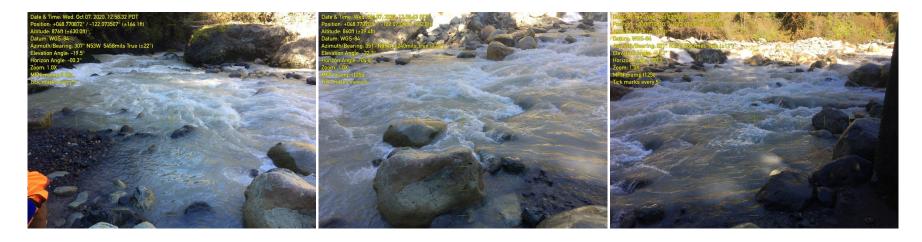
December 2024



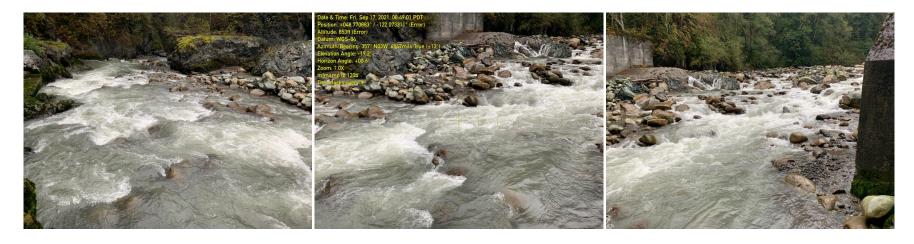
Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

Transect 100 - Plot

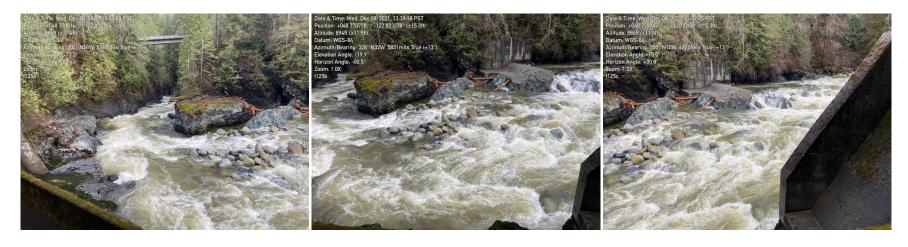




September 2021



December 2021

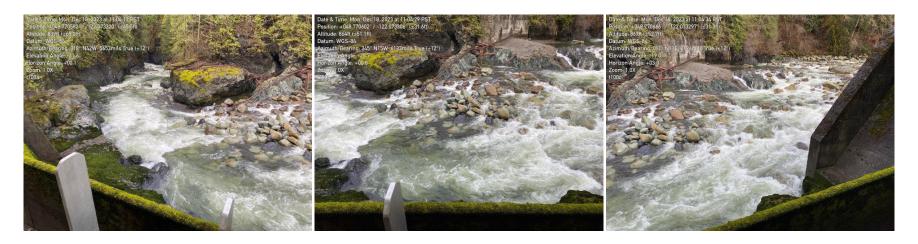


September 2022

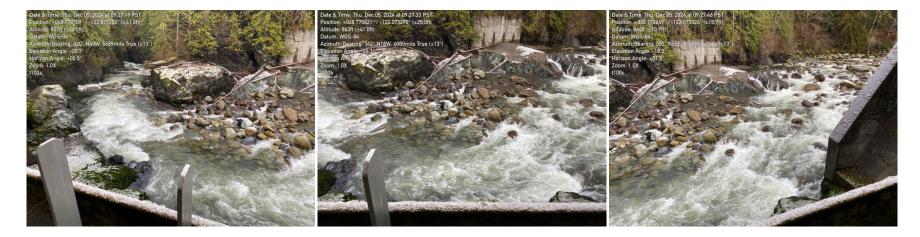


May 2023



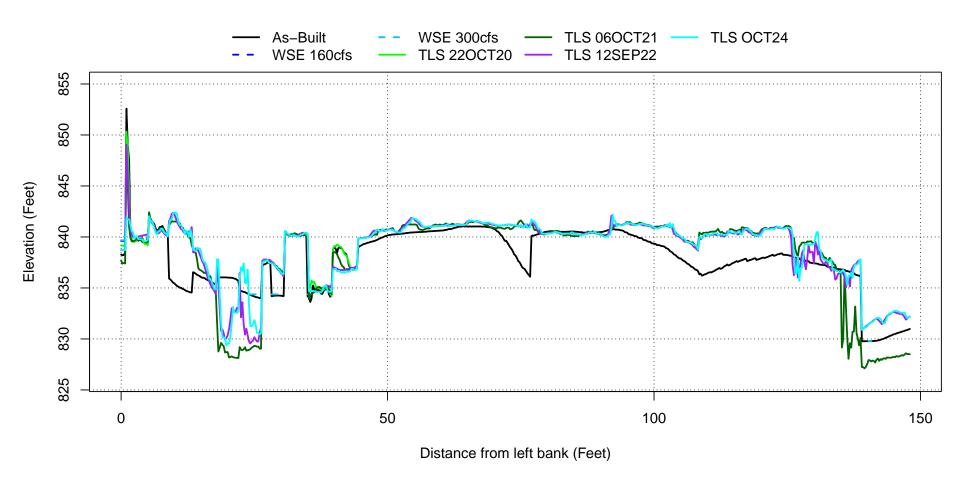


December 2024



Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

Transect 125 - Plot



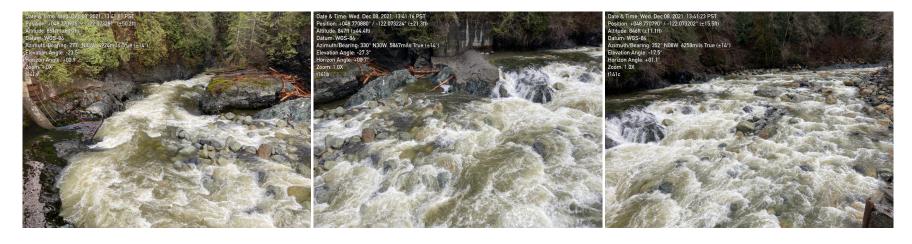
Plotted water surface elevations represent modeled WSE using the 2020 As-Built surface terrain. WSE is not representative for existing conditions (Post-2021 November flood).



September 2021



December 2021

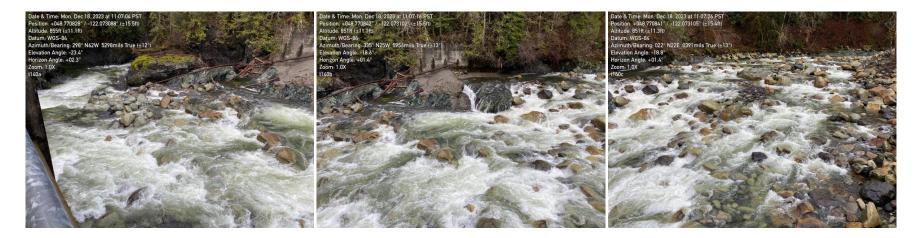


September 2022

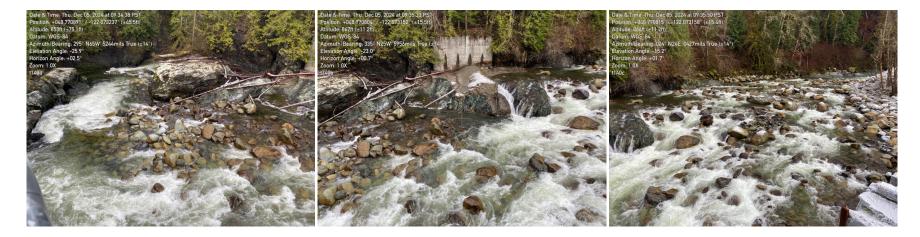


May 2023



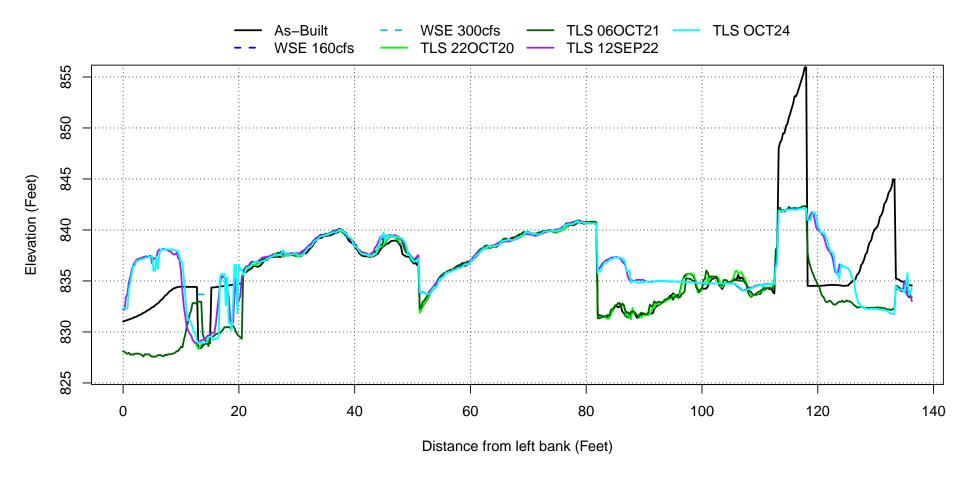


December 2024



Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

Transect 141 - Plot





September 2021



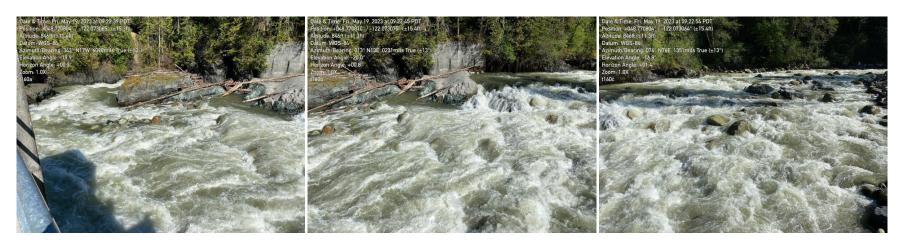
December 2021

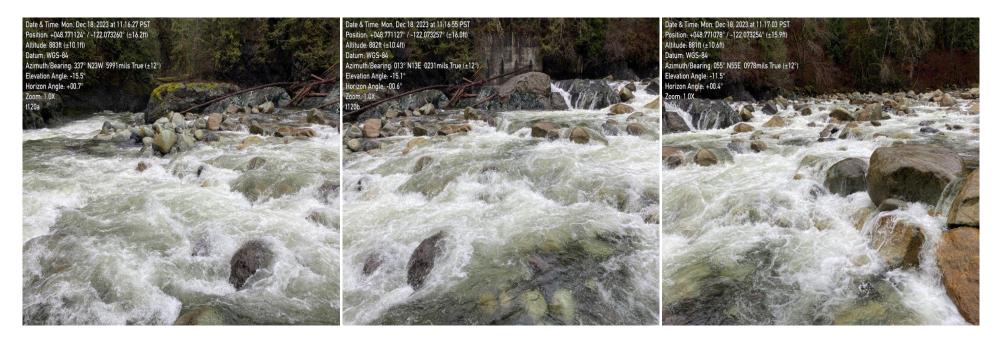


September 2022

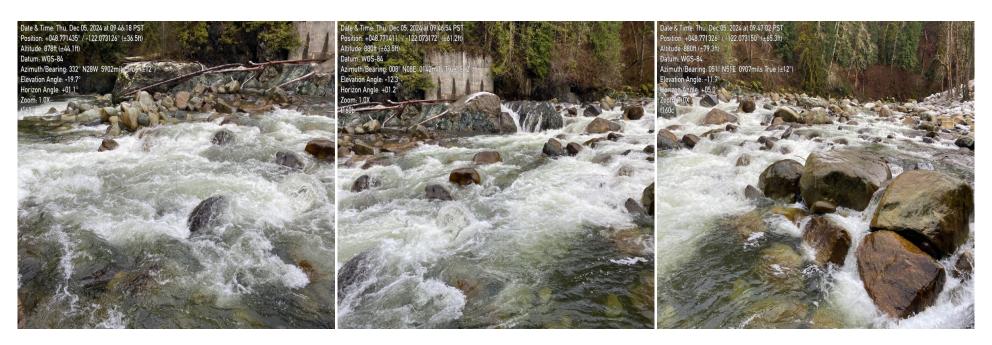


May 2023



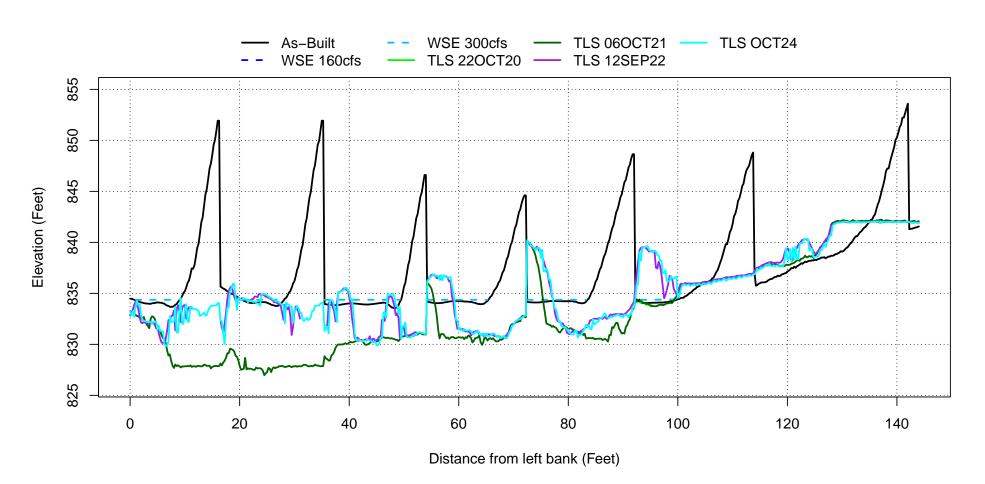


December 2024



Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

Transect 160 - Plot





September 2021



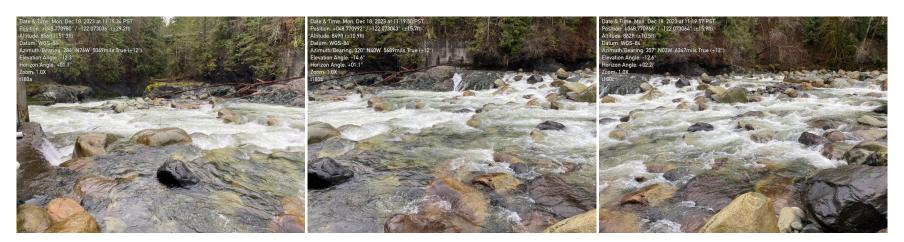
September 2022

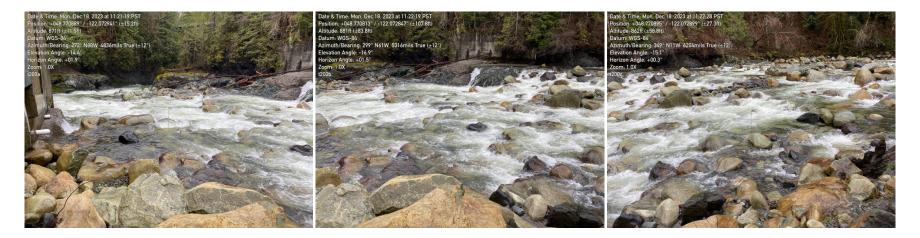


May 2023



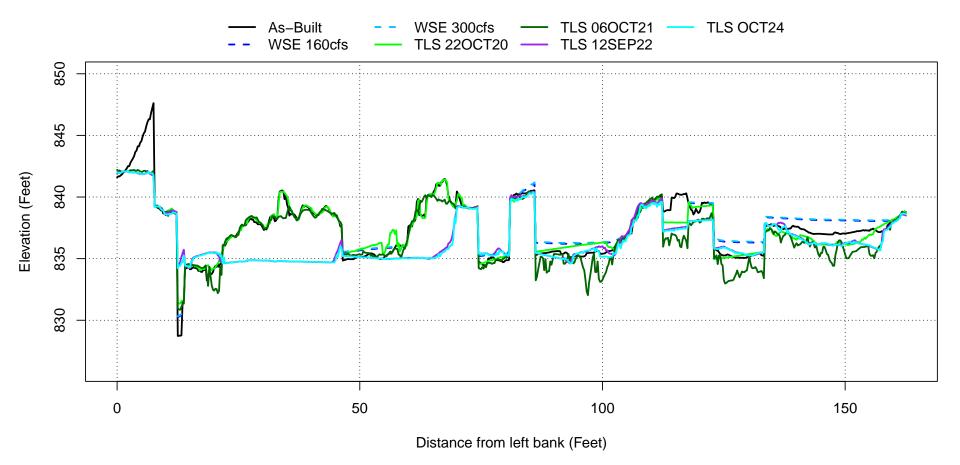
December 2023





Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

Transect 200 - Plot

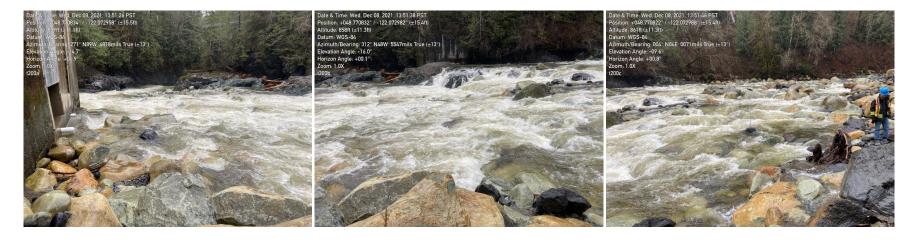




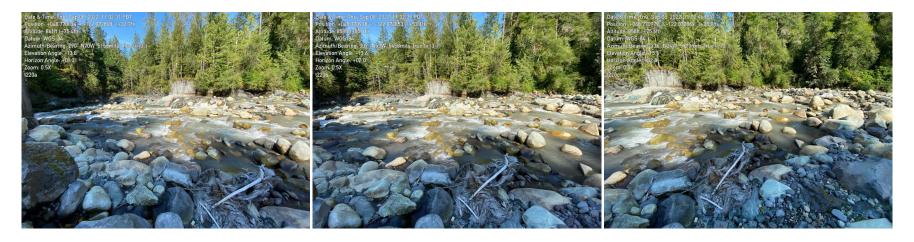
September 2021



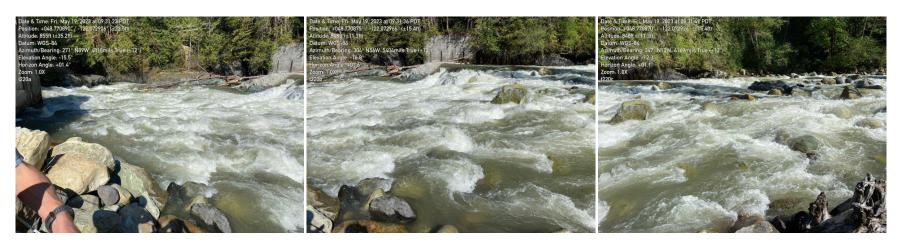
December 2021

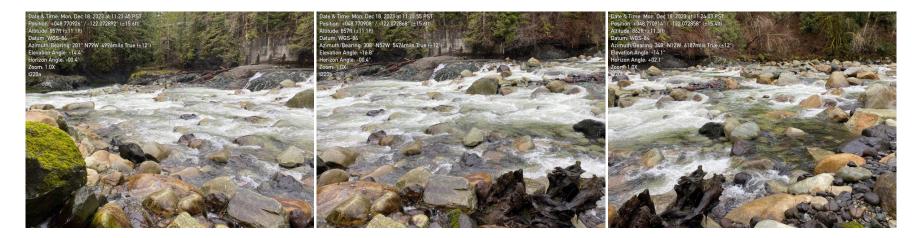


September 2022

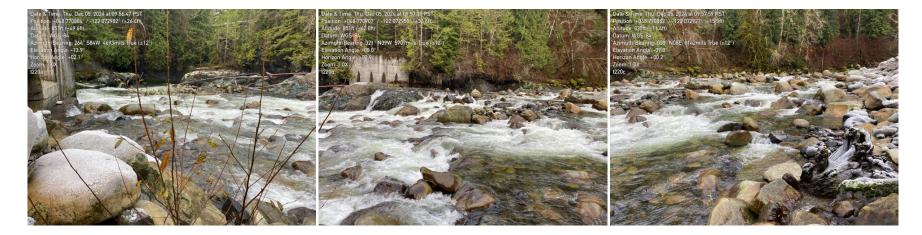


May 2023



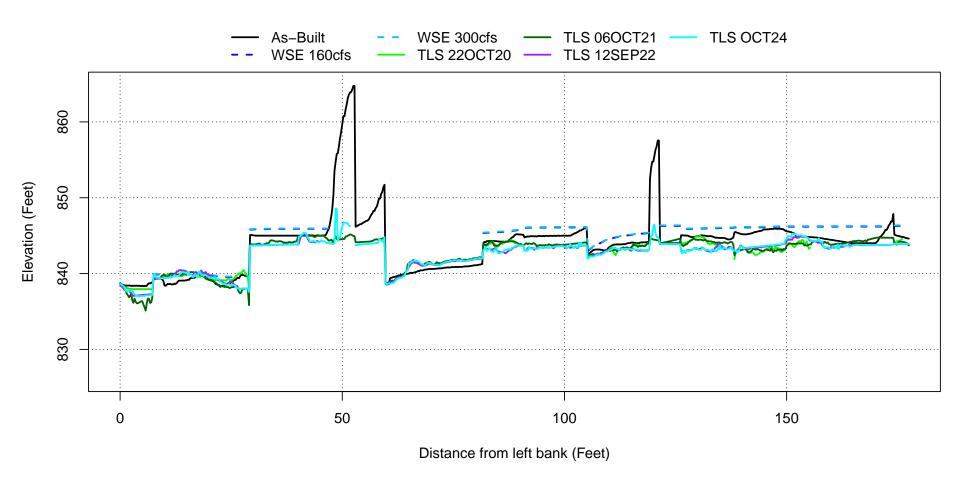


December 2024



Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

Transect 220 - Plot



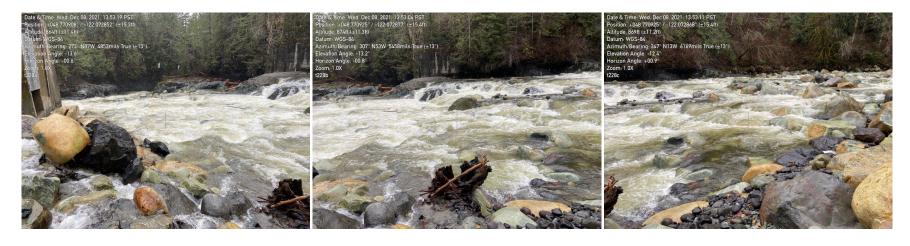
Plotted water surface elevations represent modeled WSE using the 2020 As-Built surface terrain. WSE is not representative for existing conditions (Post-2021 November flood).



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December 2021



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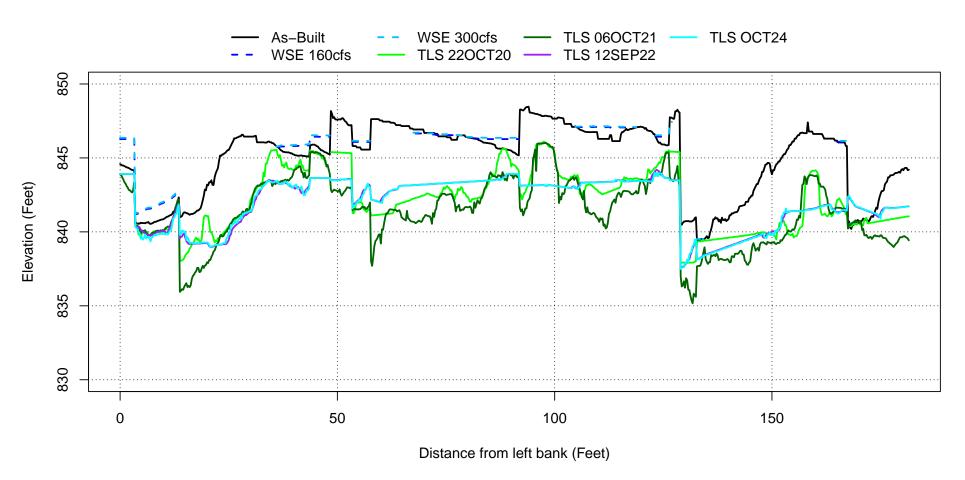


December 2024



Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

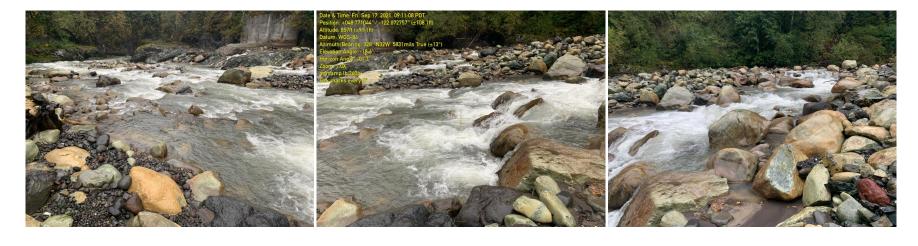
Transect 241 - Plot



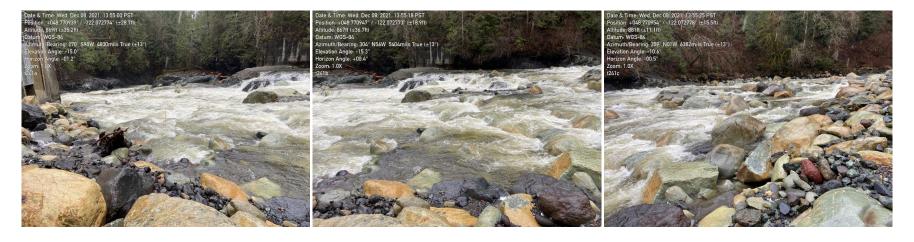
Plotted water surface elevations represent modeled WSE using the 2020 As-Built surface terrain. WSE is not representative for existing conditions (Post-2021 November flood).



September 2021



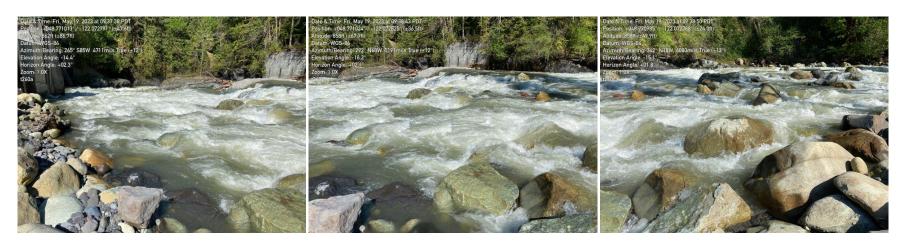
December 2021

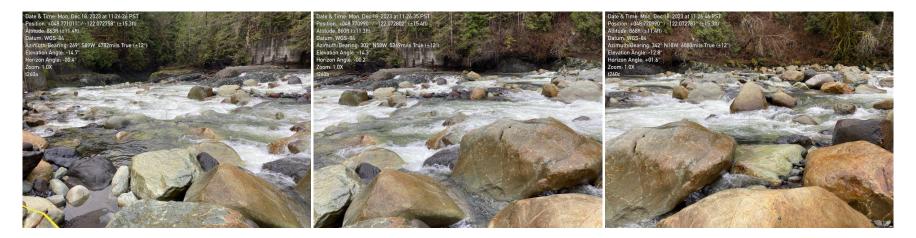


September 2022

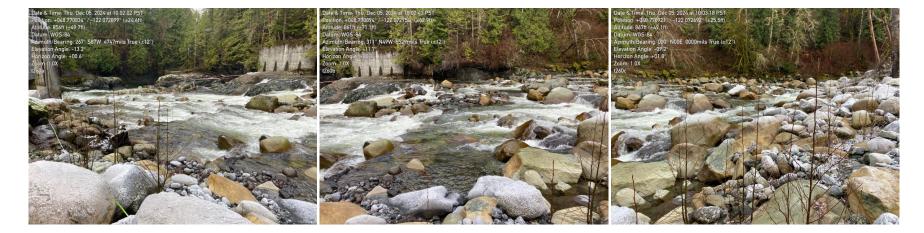


May 2023



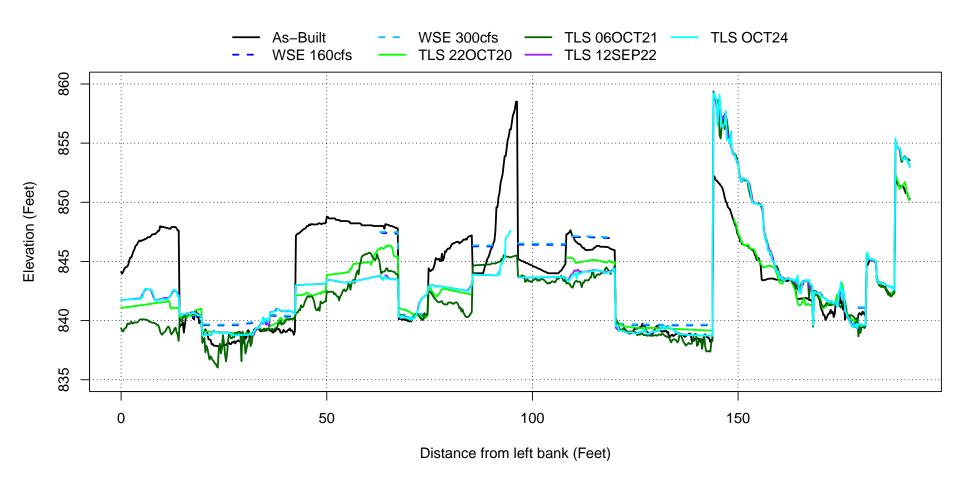


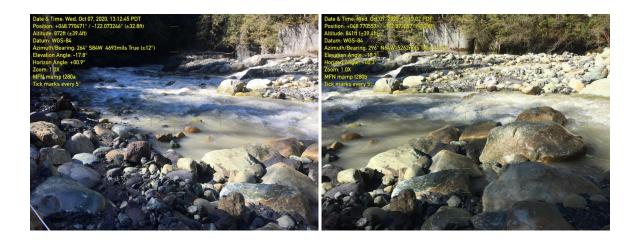
December 2024



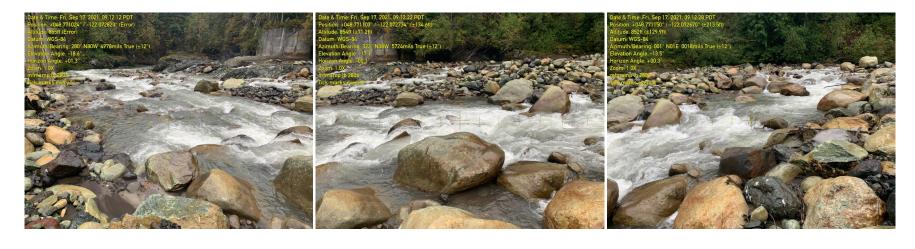
Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

Transect 260 - Plot

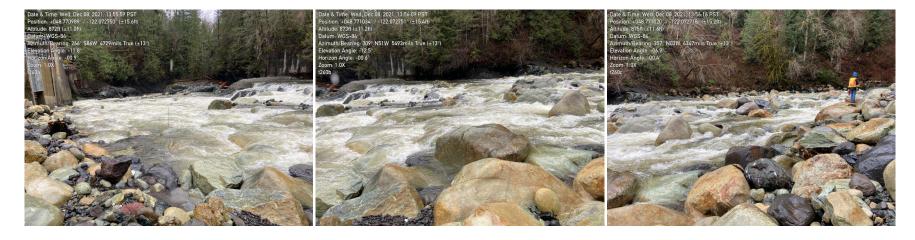




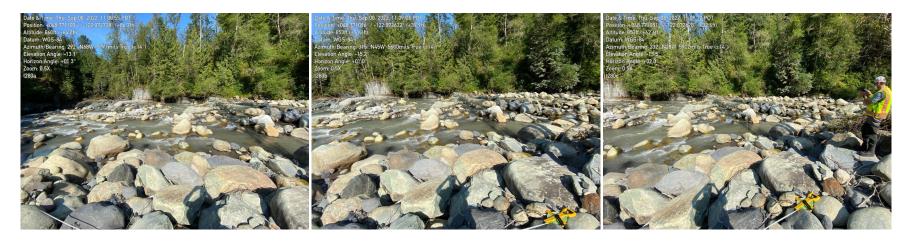
September 2021



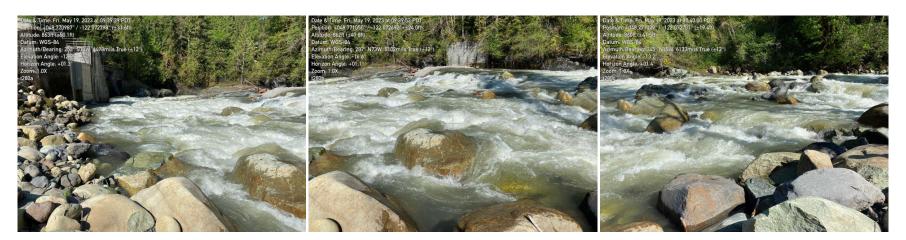
December 2021

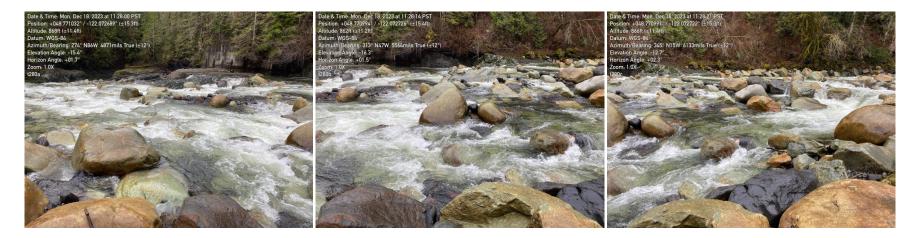


September 2022

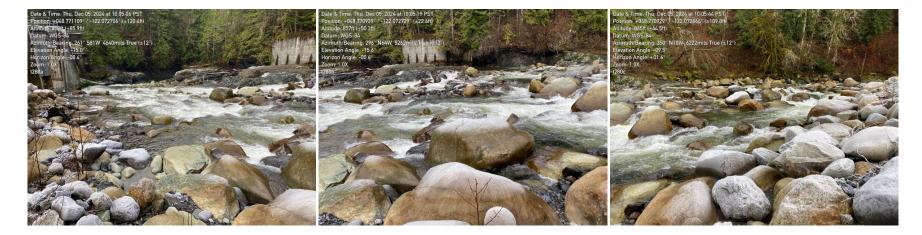


May 2023



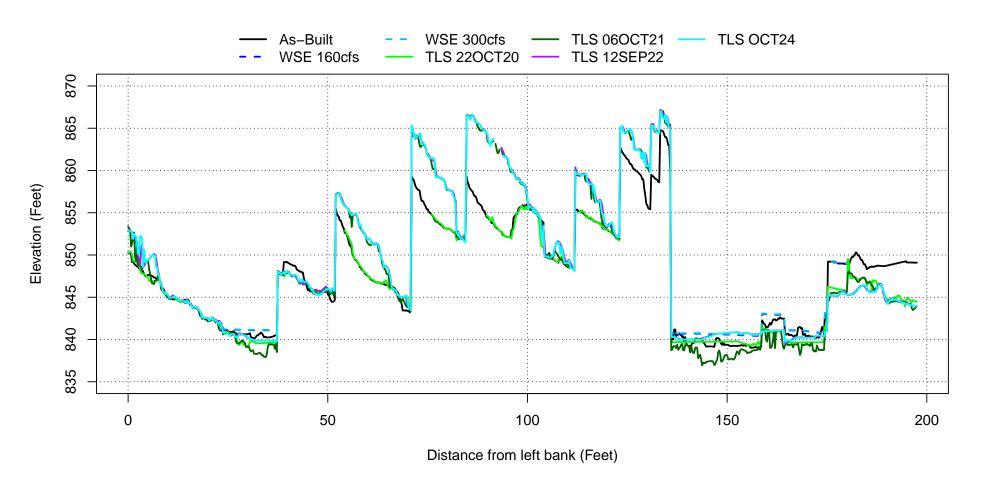


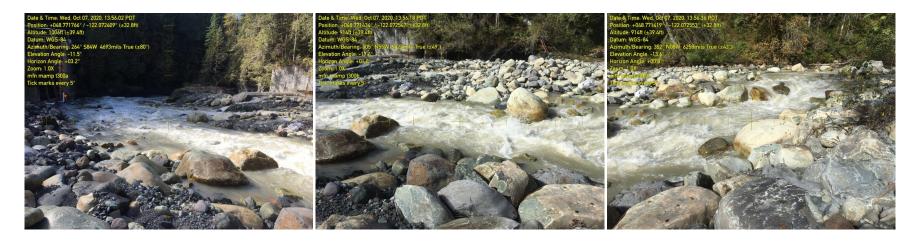
December 2024



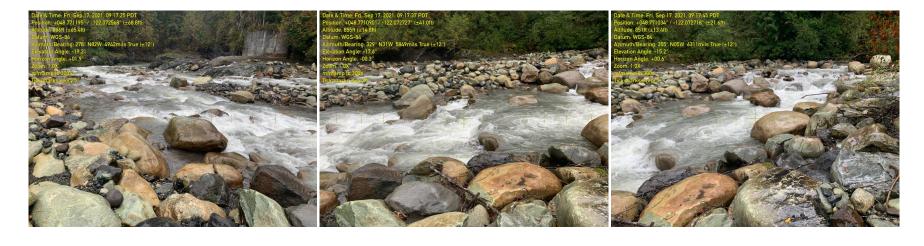
Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

Transect 280 - Plot

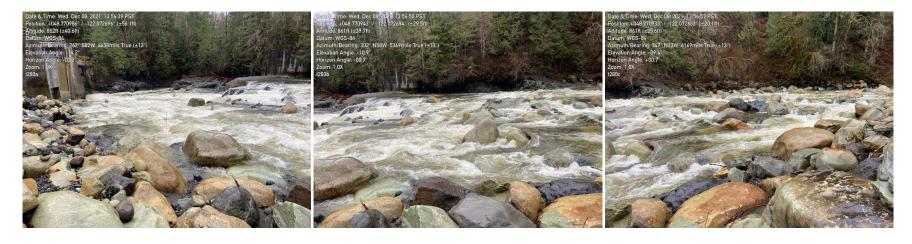




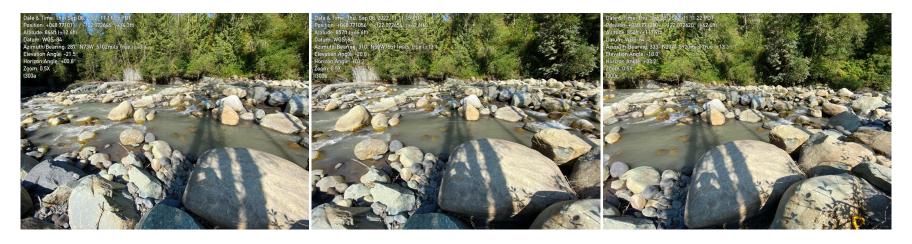
September 2021



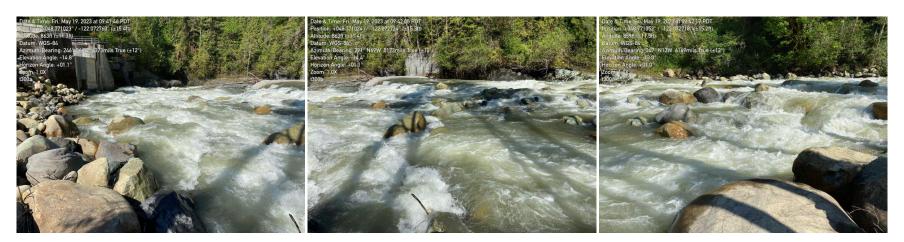
December 2021



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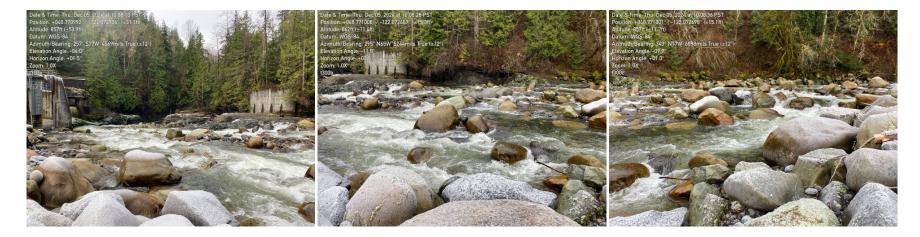


May 2023



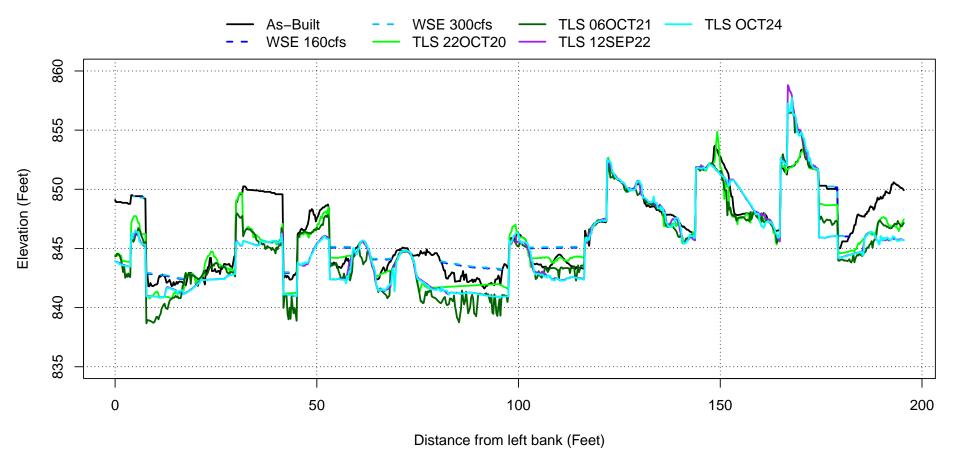


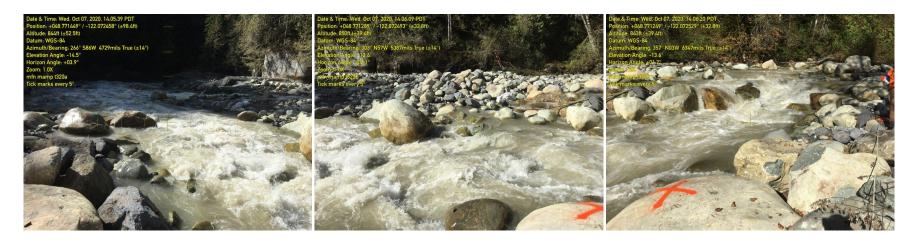
December 2024



Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

Transect 300 - Plot

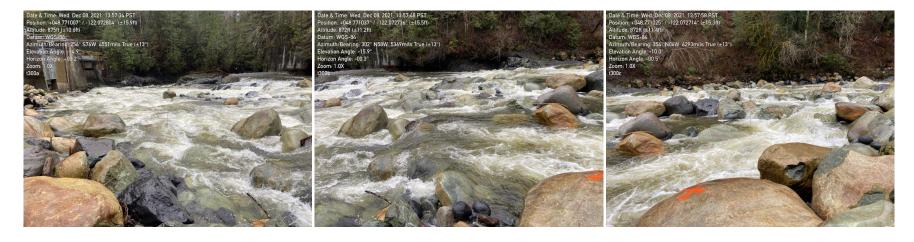




September 2021



December 2021



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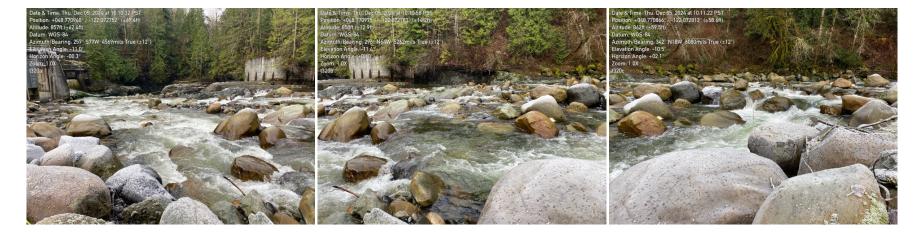


May 2023



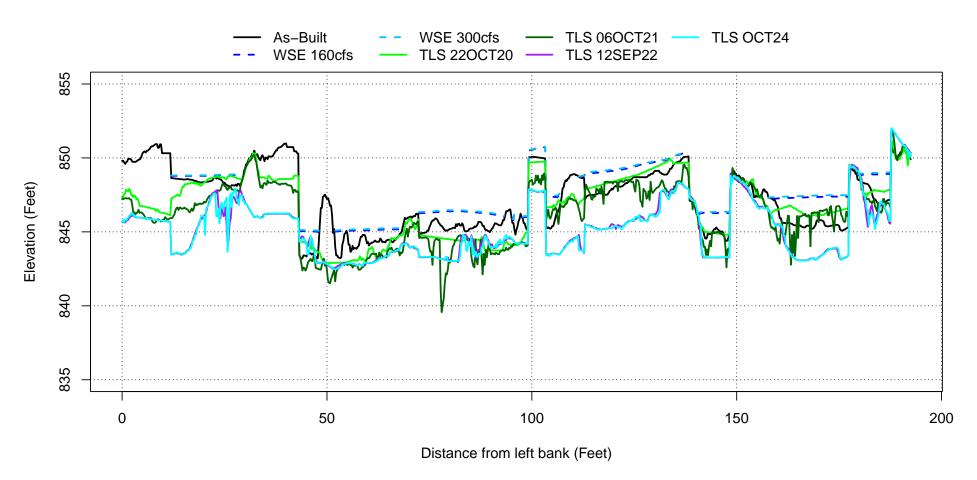


December 2024

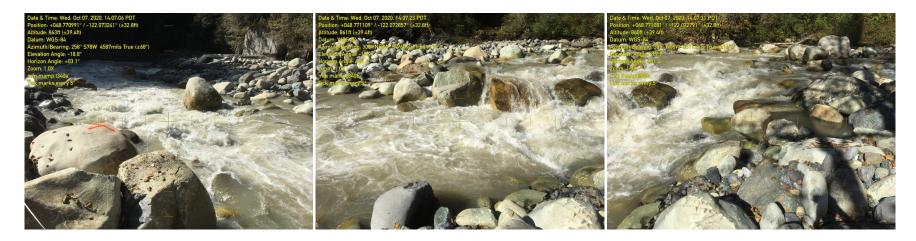


Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

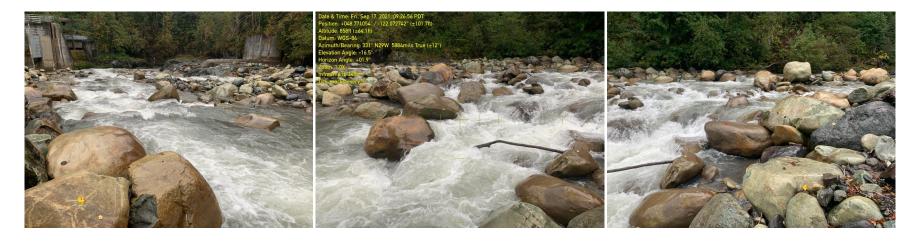
Transect 320 - Plot



Plotted water surface elevations represent modeled WSE using the 2020 As-Built surface terrain. WSE is not representative for existing conditions (Post-2021 November flood).



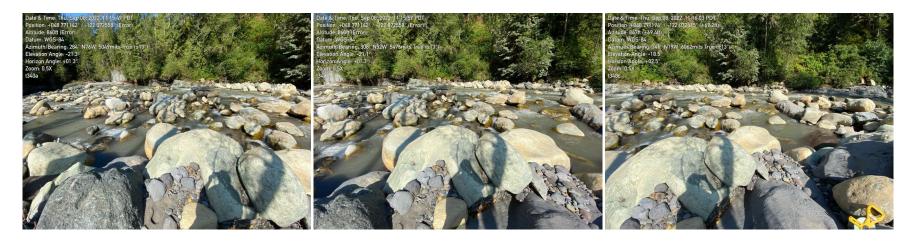
September 2021



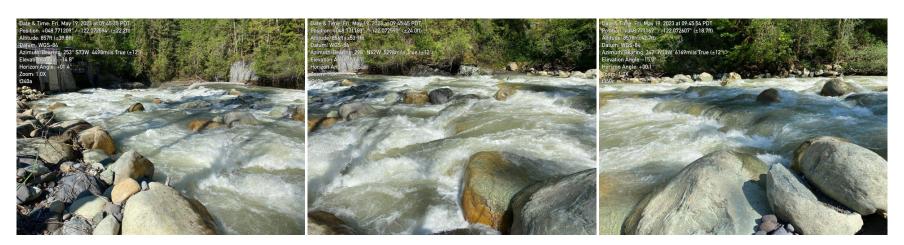
December 2021

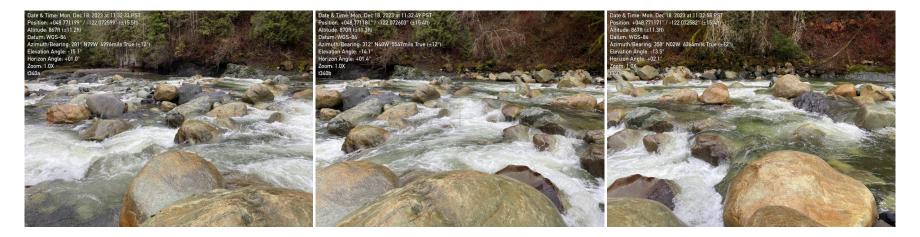


September 2022

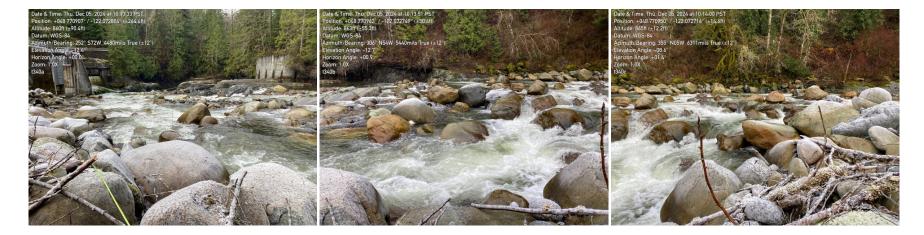


May 2023



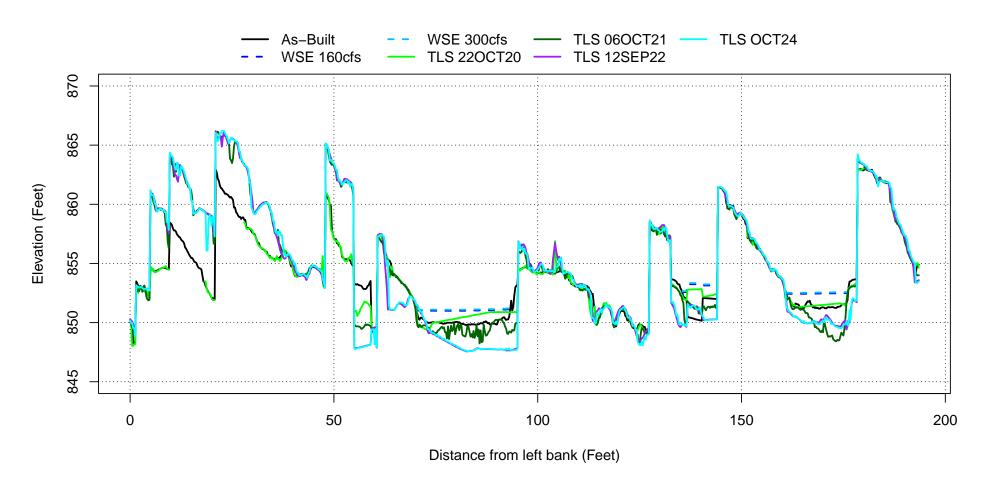


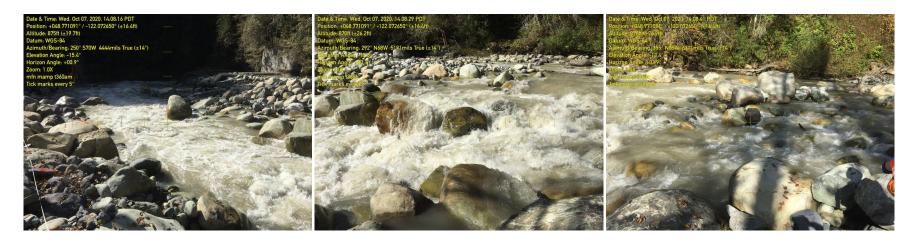
December 2024



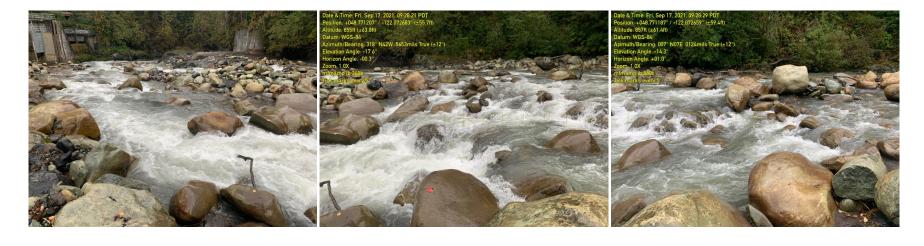
Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

Transect 340 - Plot

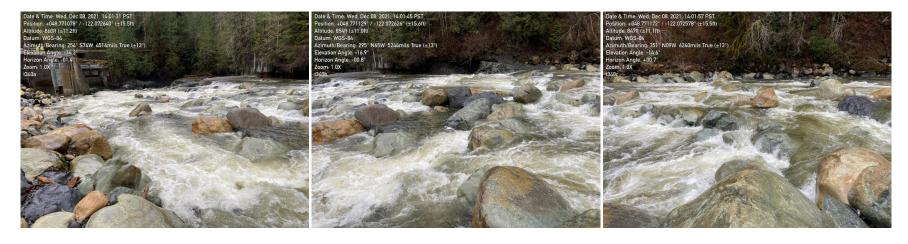




September 2021



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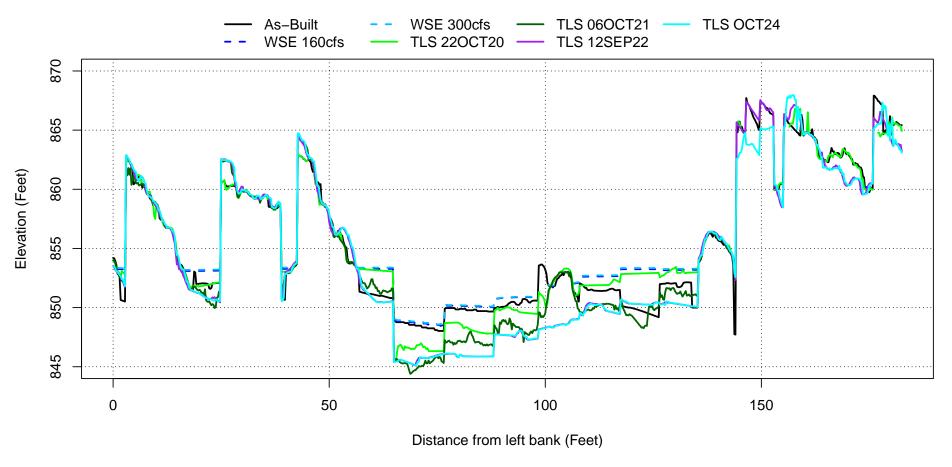


December 2024



Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

Transect 360 - Plot



Plotted water surface elevations represent modeled WSE using the 2020 As-Built surface terrain. WSE is not representative for existing conditions (Post-2021 November flood).



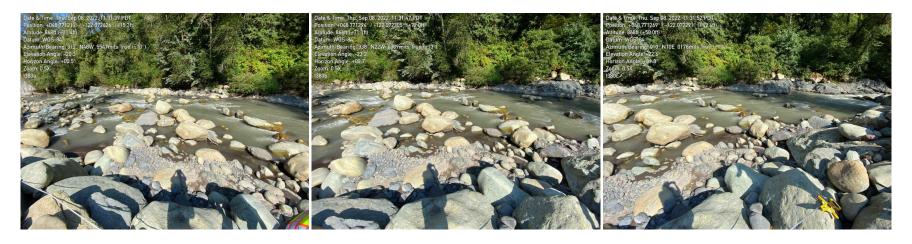
September 2021



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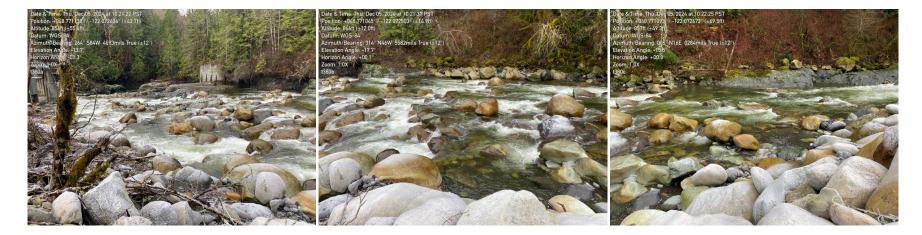


May 2023



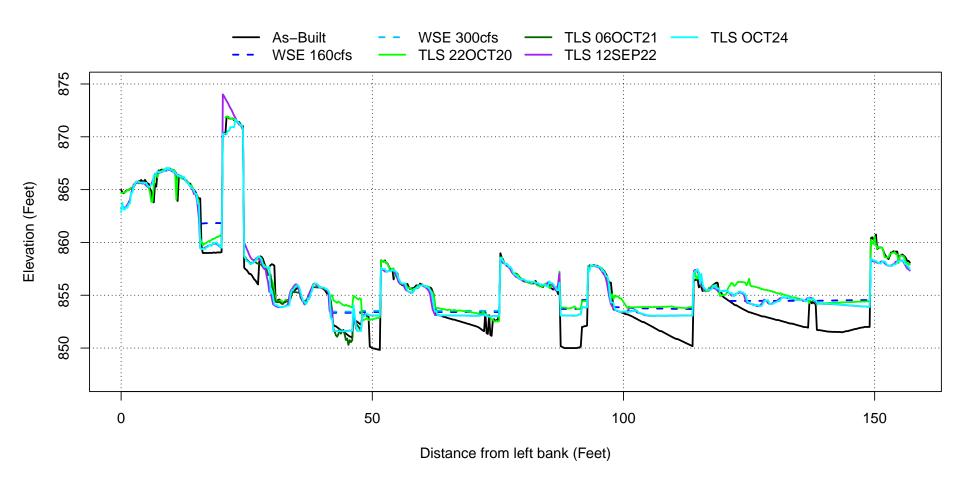


December 2024



Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

Transect 380 - Plot





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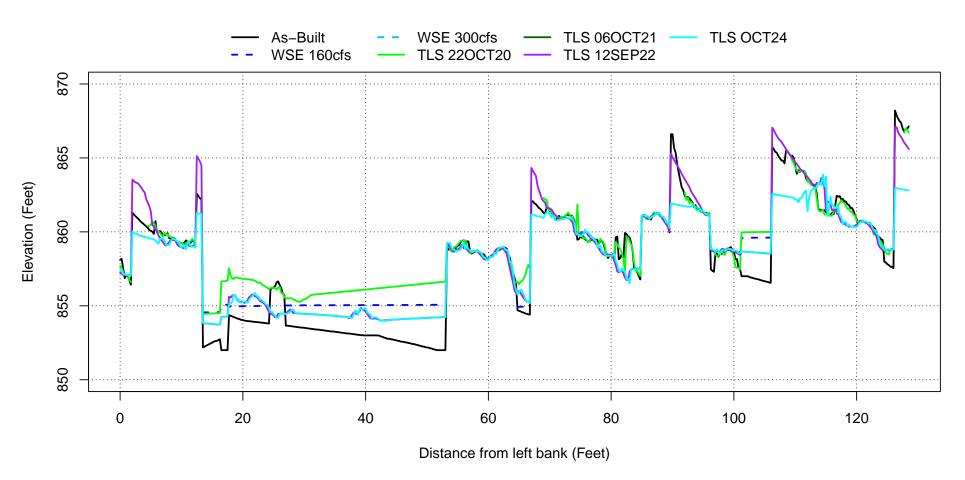


December 2024



Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

Transect 400 - Plot



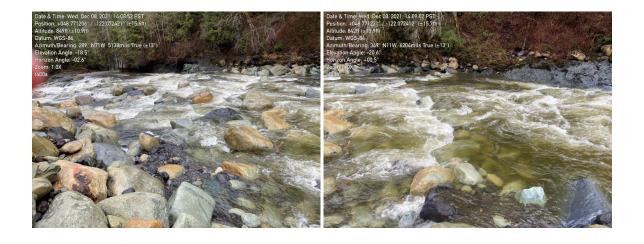
Plotted water surface elevations represent modeled WSE using the 2020 As-Built surface terrain. WSE is not representative for existing conditions (Post-2021 November flood).



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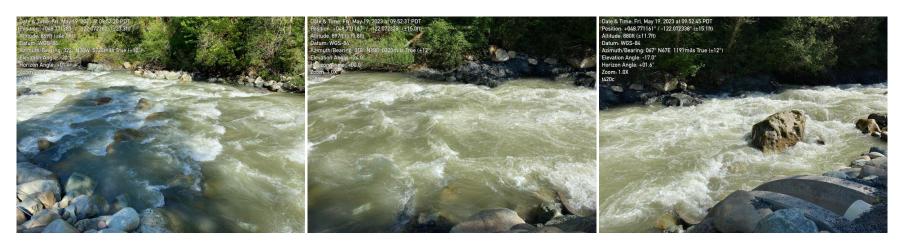
December 2021



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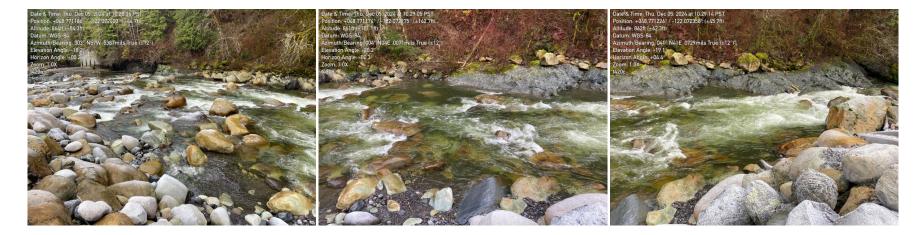


May 2023



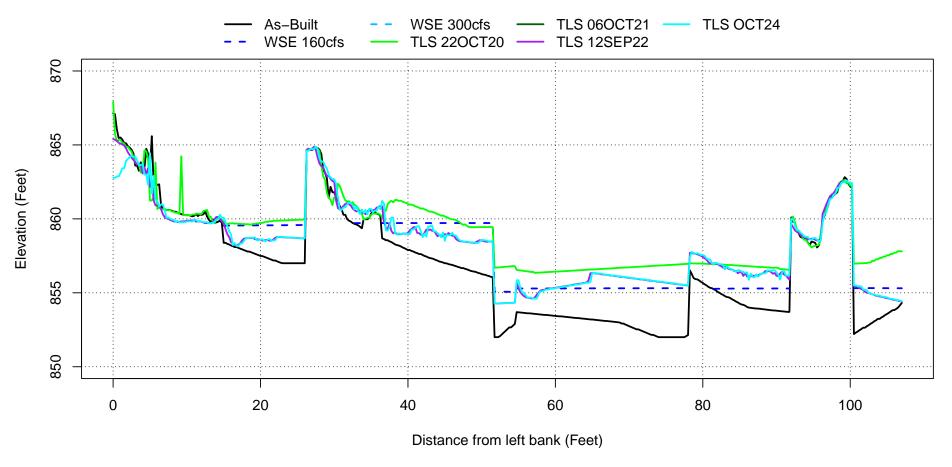


December 2024



Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

Transect 420 - Plot



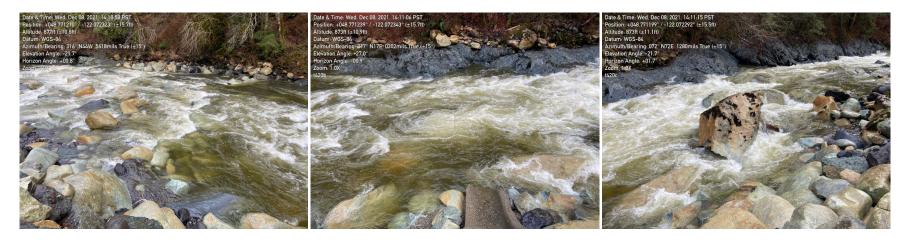
Plotted water surface elevations represent modeled WSE using the 2020 As-Built surface terrain. WSE is not representative for existing conditions (Post-2021 November flood).



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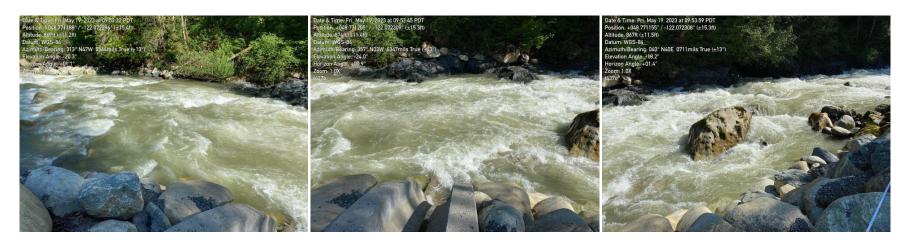
December 2021

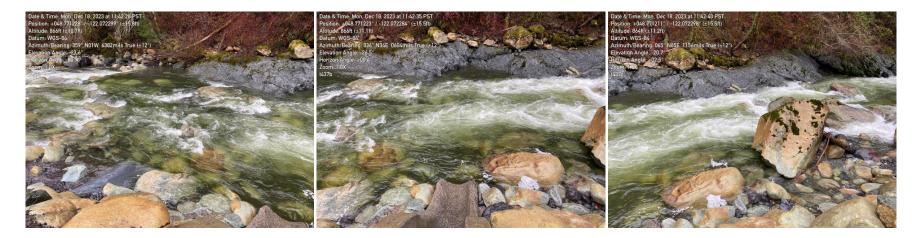


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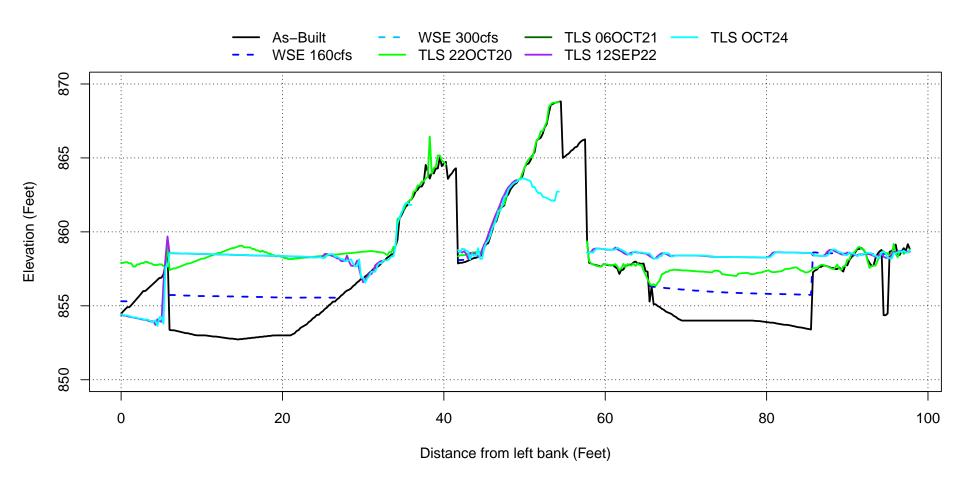


December 2024



Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

Transect 437 - Plot

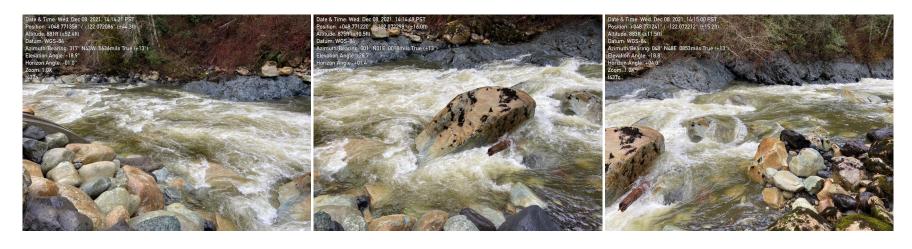




September 2021



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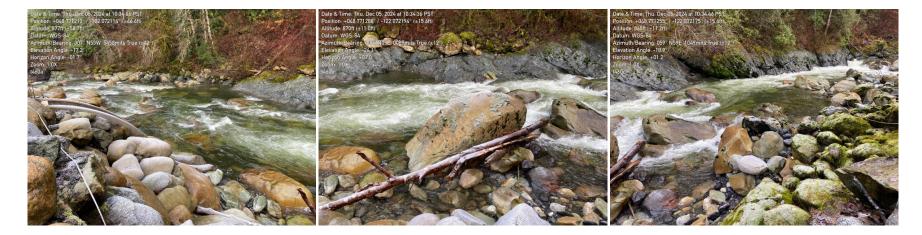


May 2023



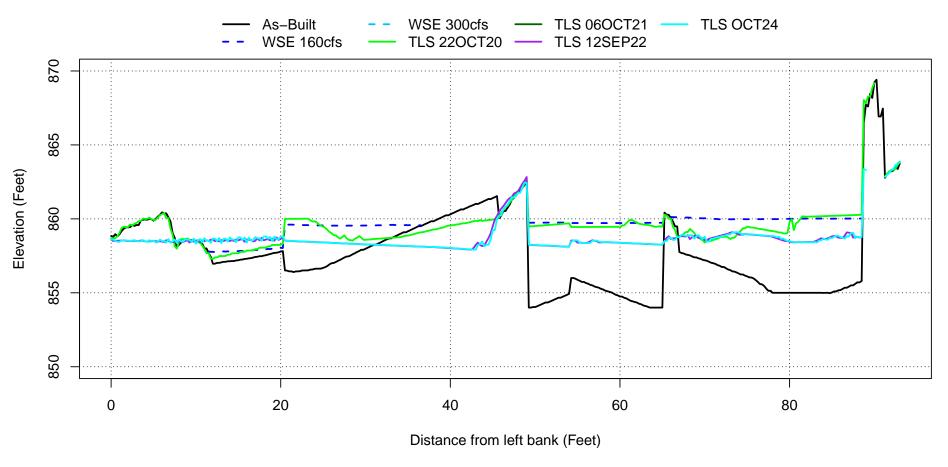


December 2024



Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

Transect 460 - Plot



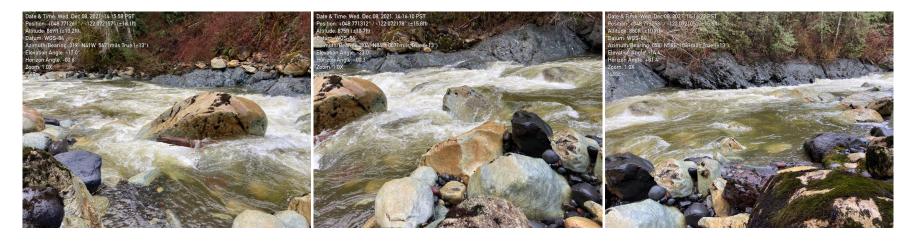
Plotted water surface elevations represent modeled WSE using the 2020 As-Built surface terrain. WSE is not representative for existing conditions (Post-2021 November flood).



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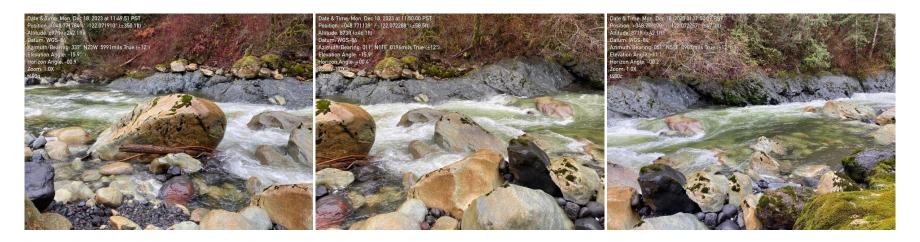


September 2022



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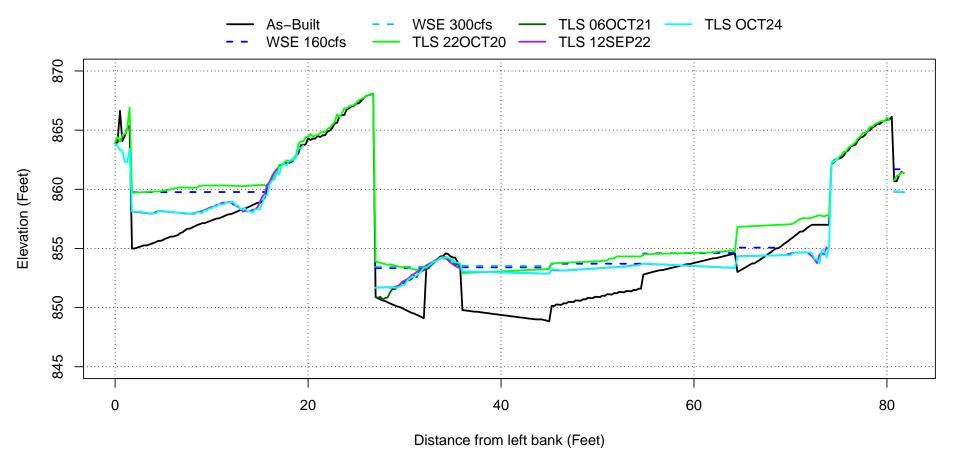


December 2024



Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

Transect 480 - Plot

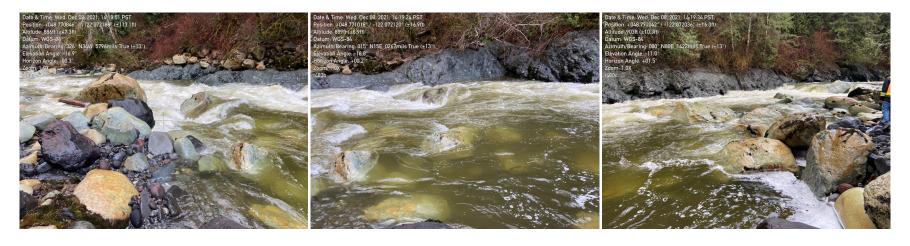




September 2021



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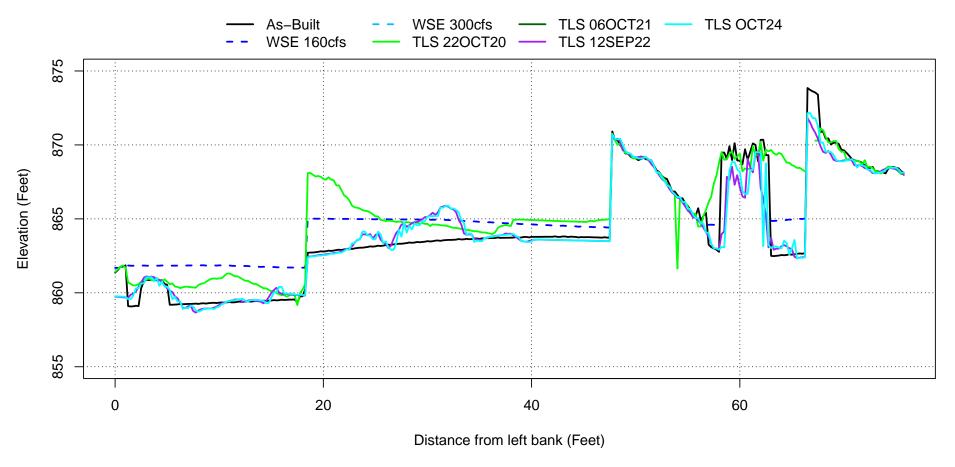


December 2024



Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

Transect 500 - Plot

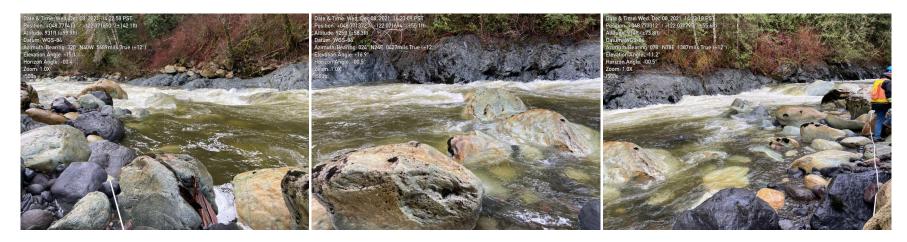




September 2021



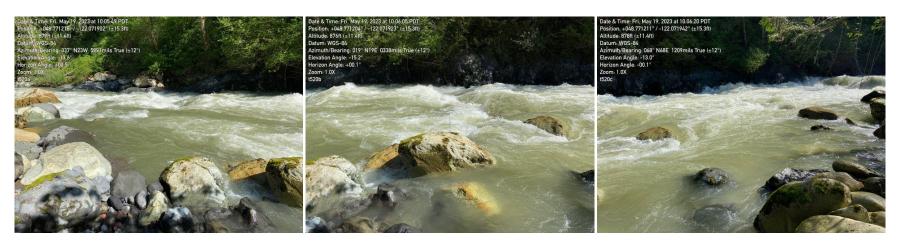
December 2021



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May 2023



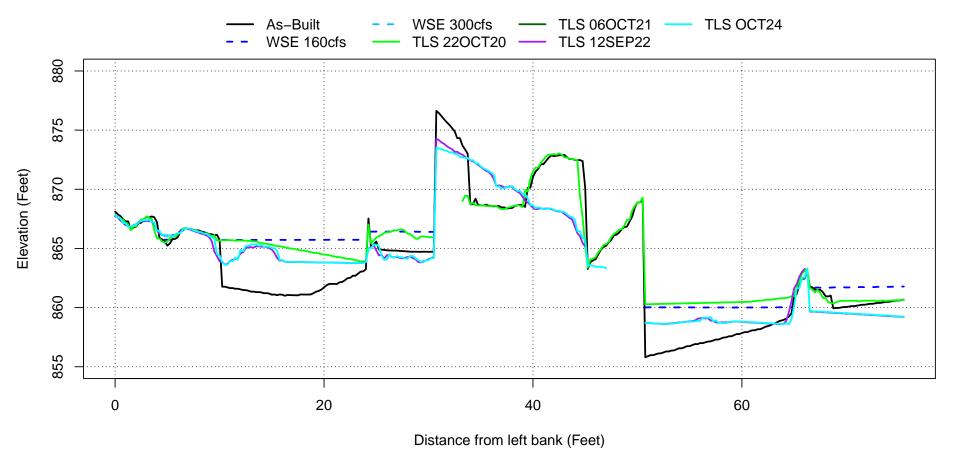


December 2024



Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

Transect 520 - Plot



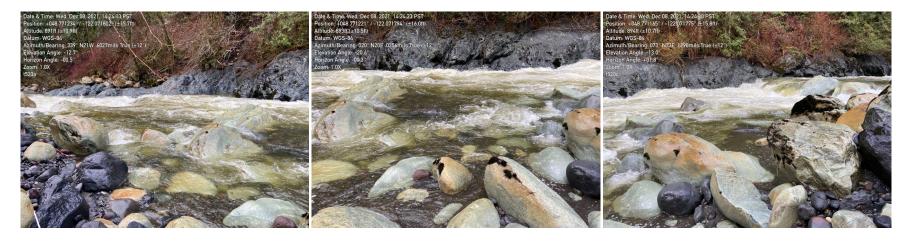
Plotted water surface elevations represent modeled WSE using the 2020 As-Built surface terrain. WSE is not representative for existing conditions (Post-2021 November flood).



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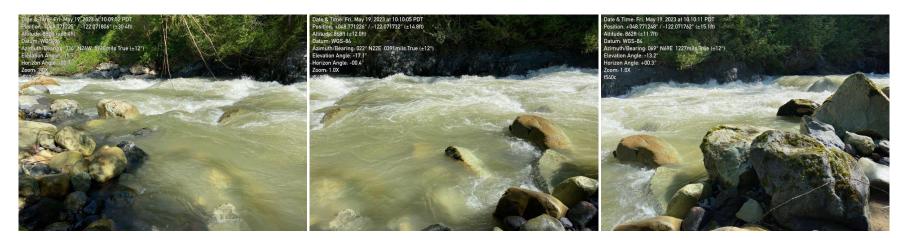
December 2021

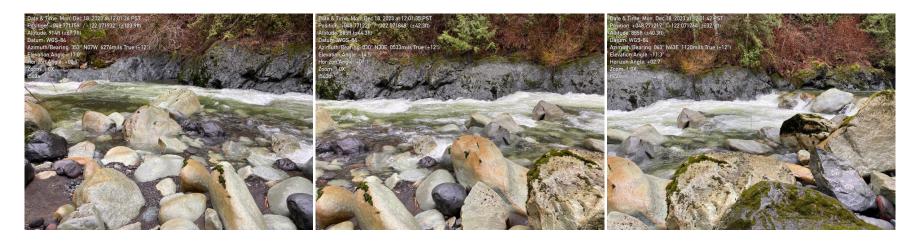


September 2022



May 2023



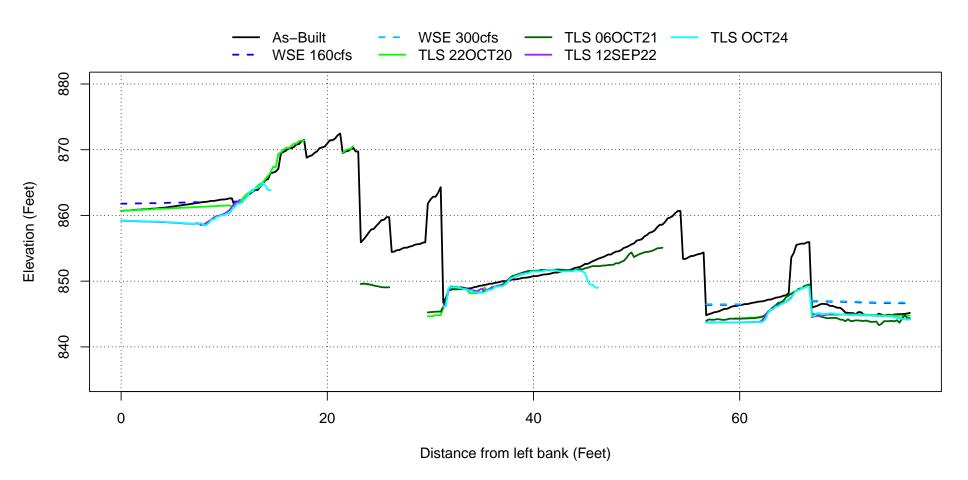


December 2024



Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

Transect 540 - Plot

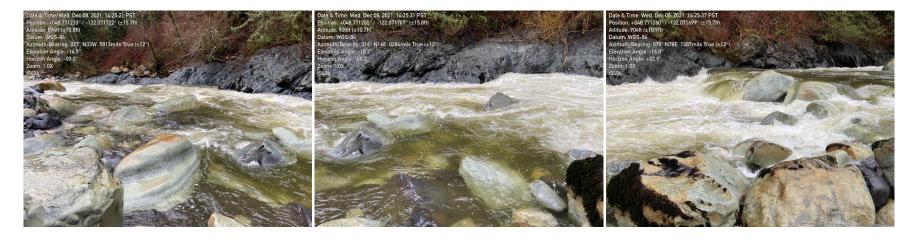




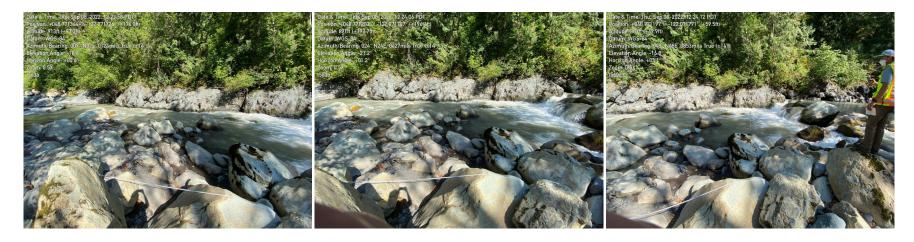
September 2021



December 2021

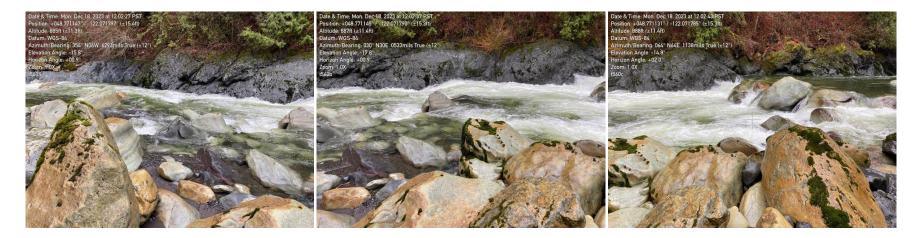


September 2022

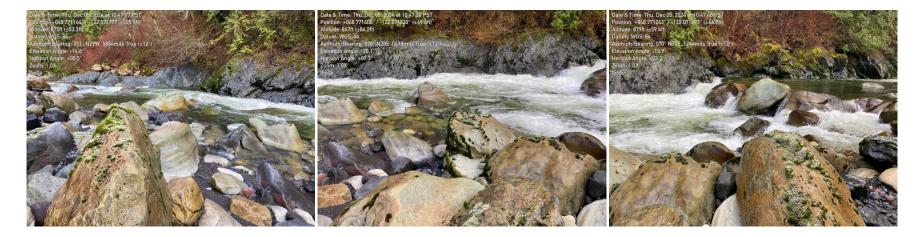


May 2023



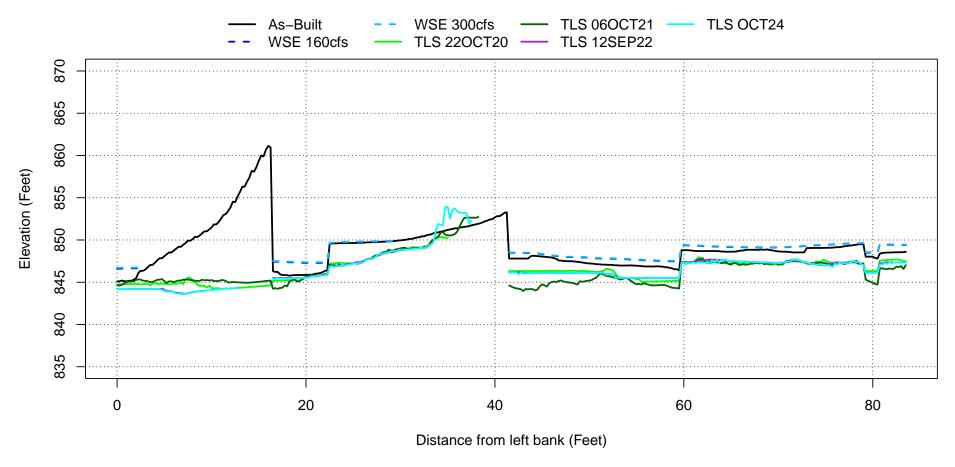


December 2024



Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

Transect 560 - Plot

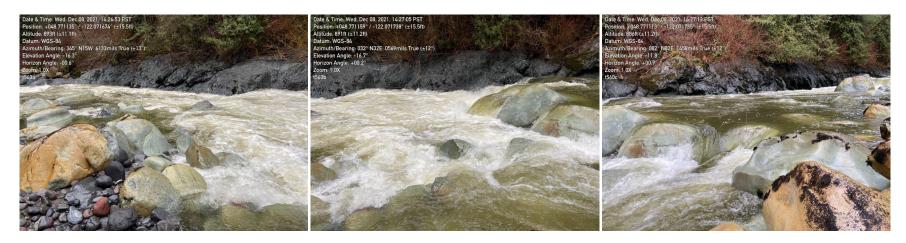




September 2021



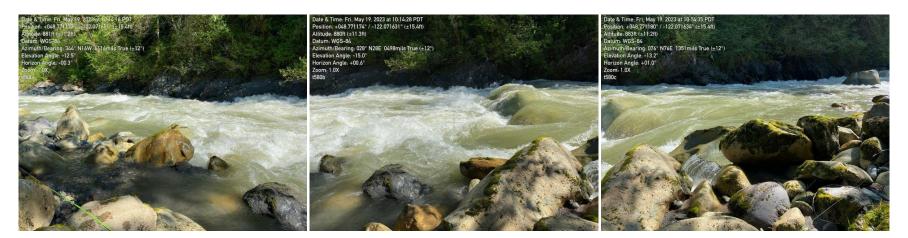
December 2021



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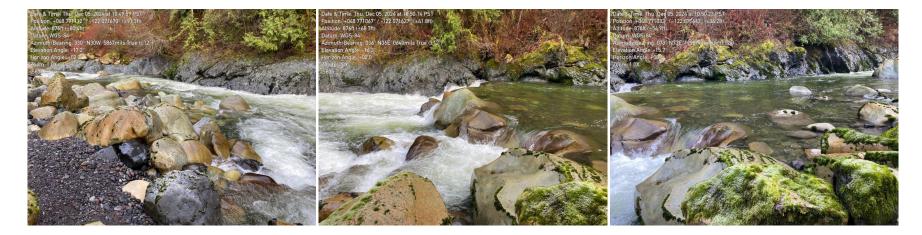


May 2023



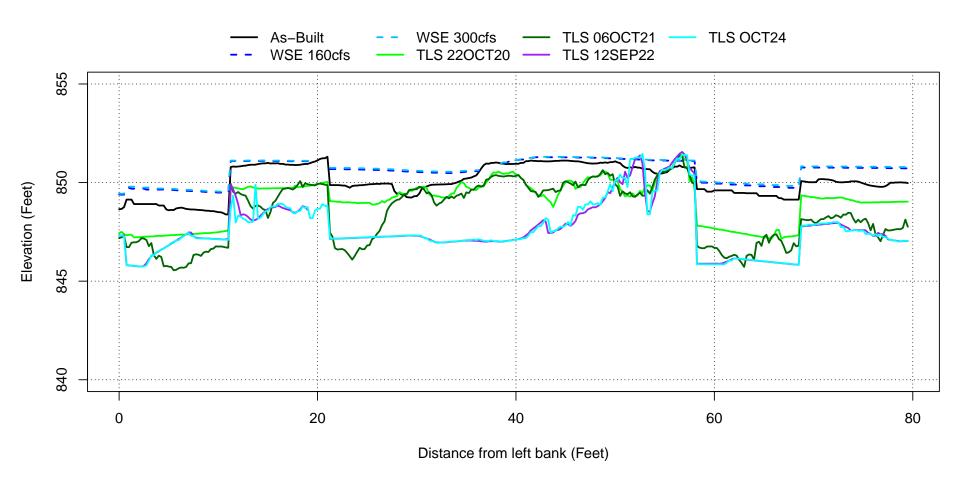


December 2024



Photographs taken looking downstream (left), perpendicular to flow (center) and upstream (right) at the transect location marker

Transect 580 - Plot





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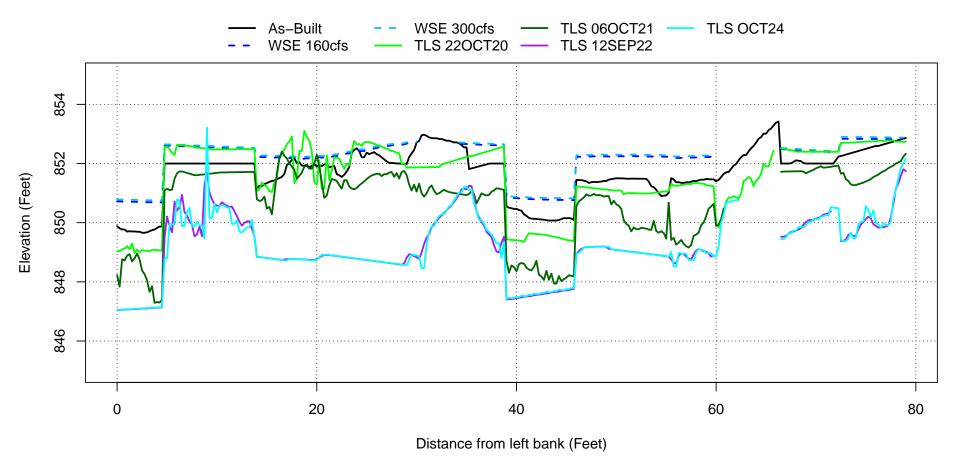


December 2023





Transect 600 - Plot





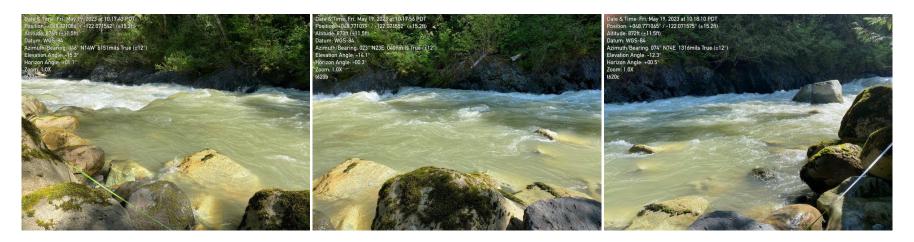
September 2021



September 2022



May 2023

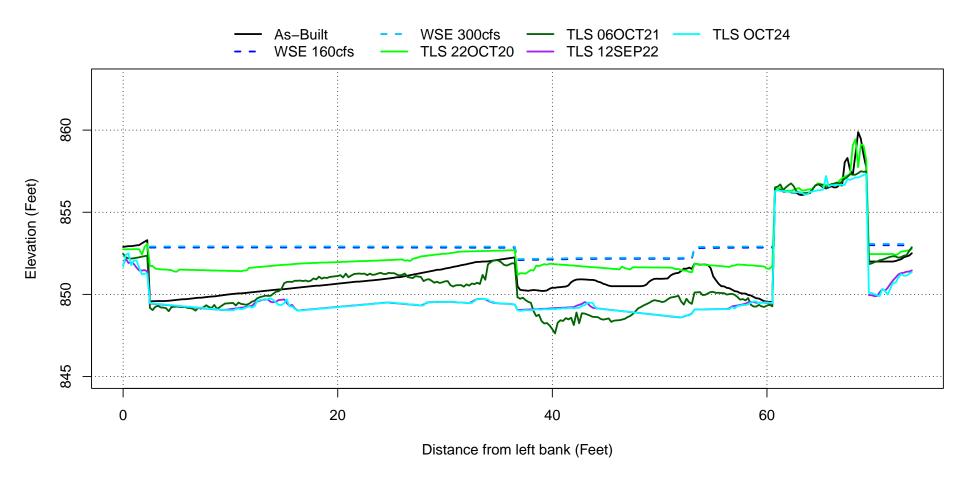


December 2023





Transect 620 - Plot





September 2021



September 2022



May 2023

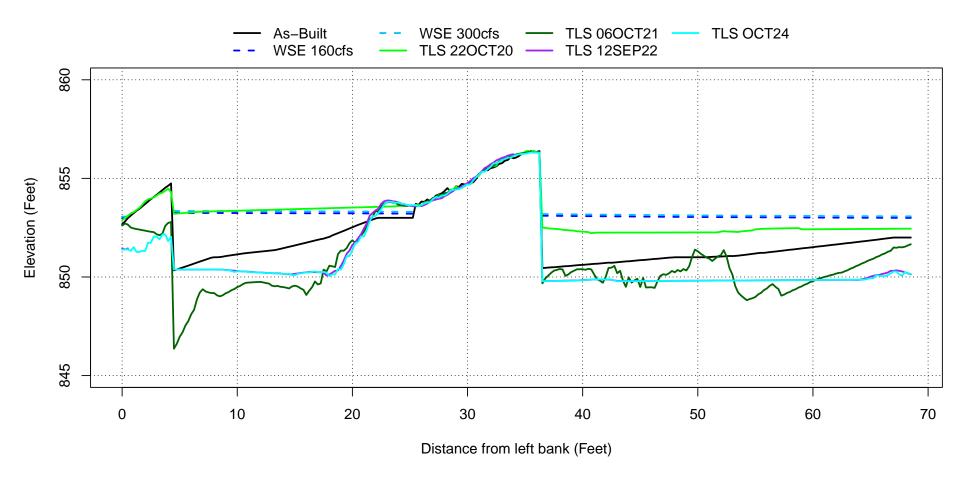


December 2023



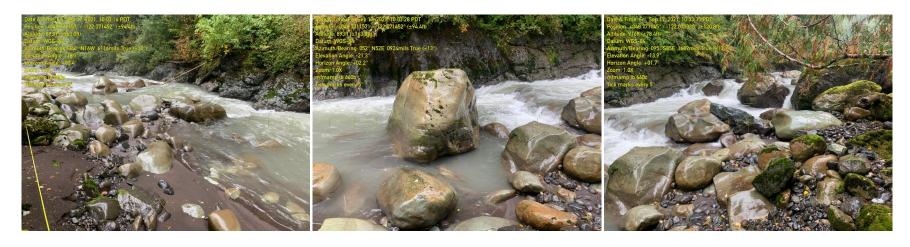


Transect 640 - Plot





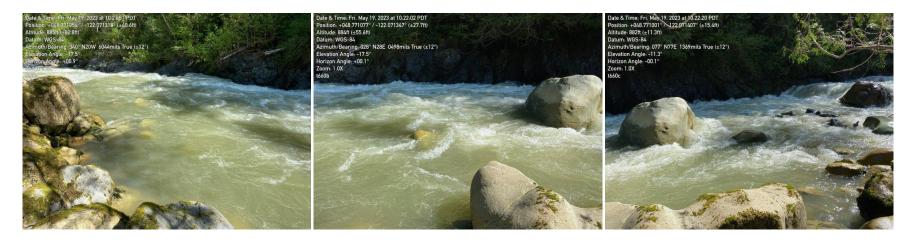
September 2021



September 2022



May 2023

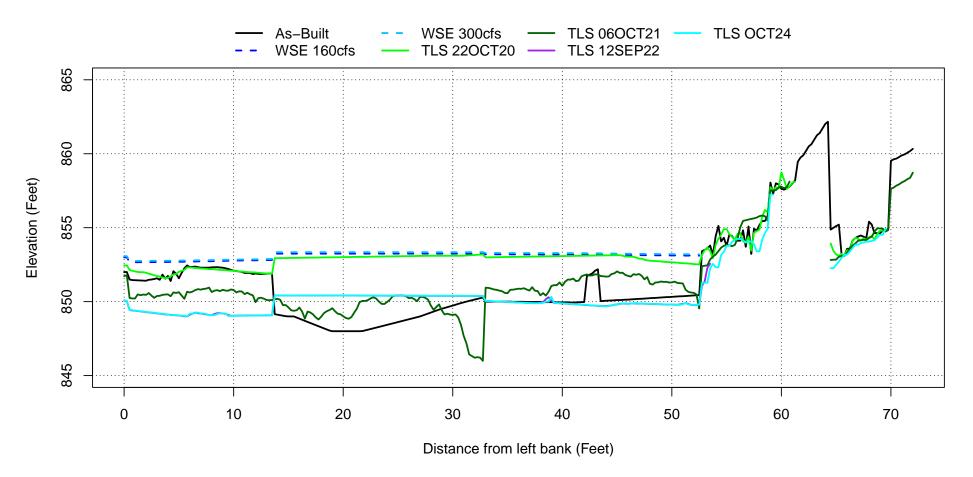


December 2023





Transect 663 - Plot





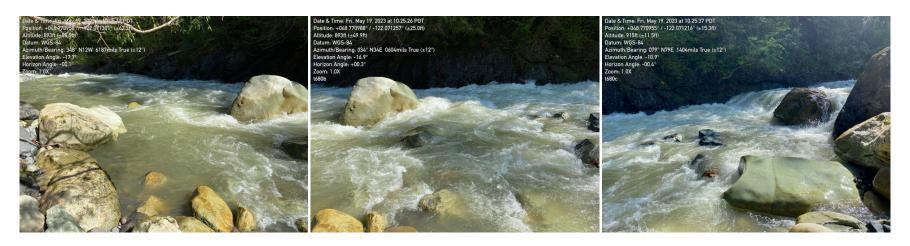
September 2021



September 2022

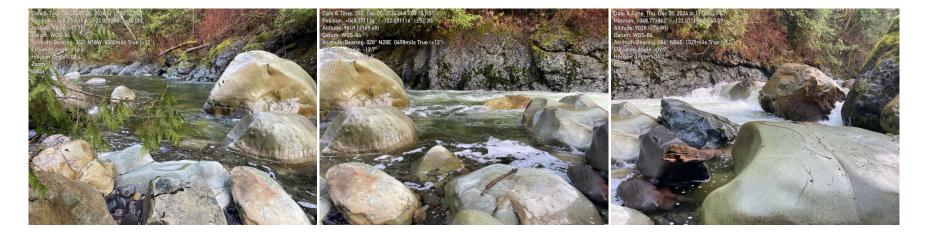


May 2023

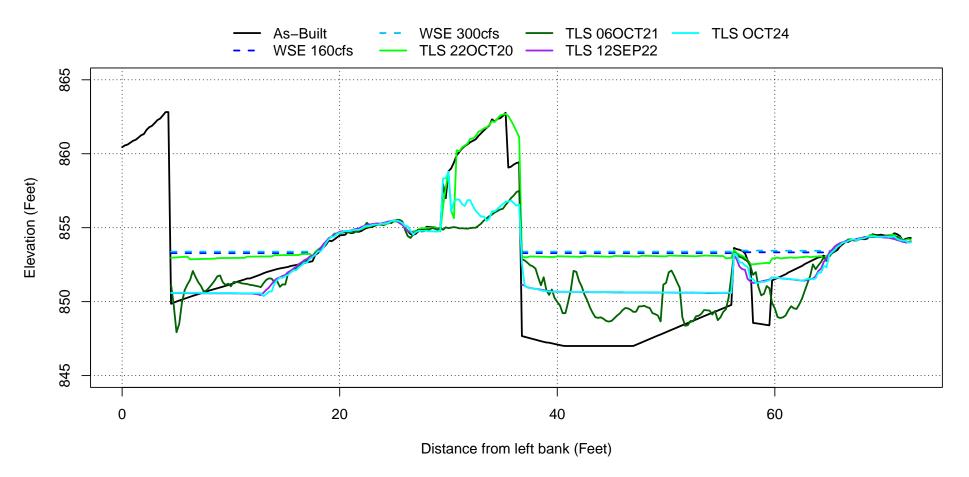


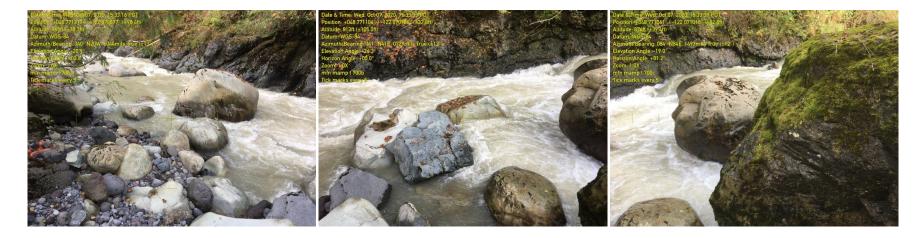
December 2023





Transect 680 - Plot

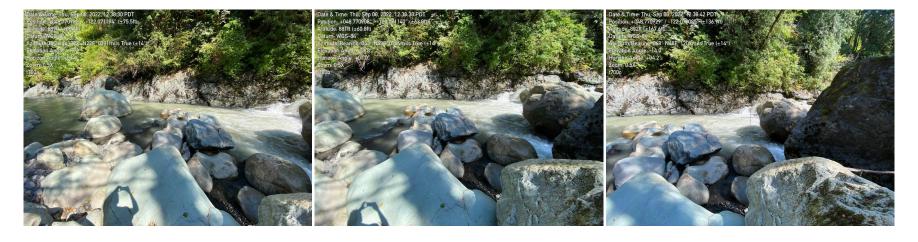




September 2021



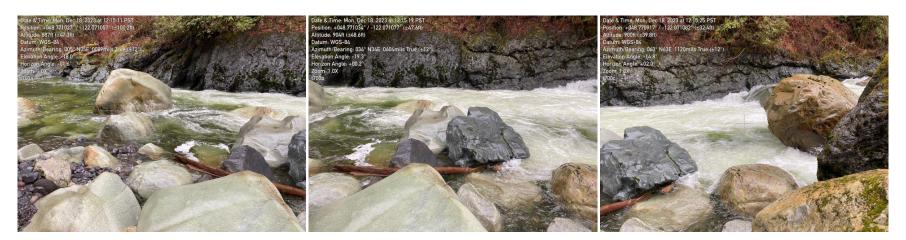
September 2022

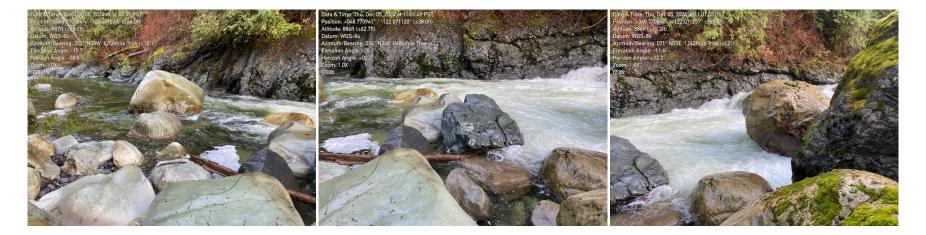


May 2023

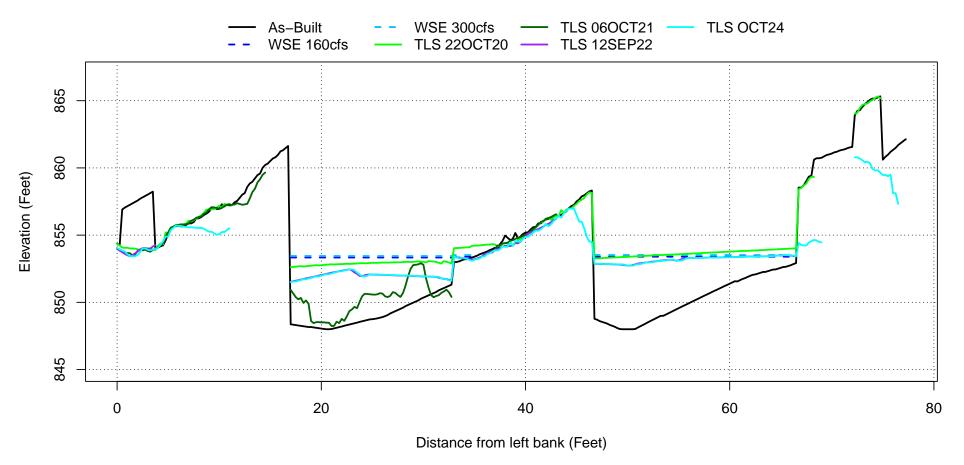


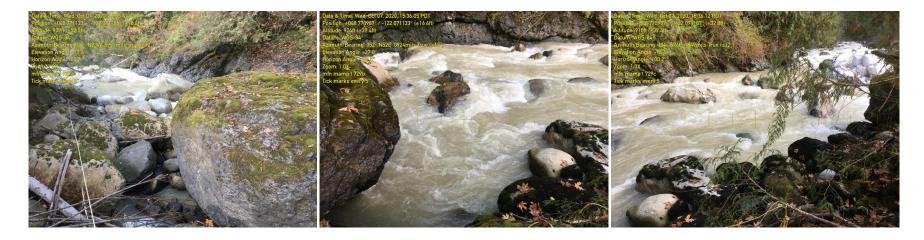
December 2023





Transect 700 - Plot





September 2021



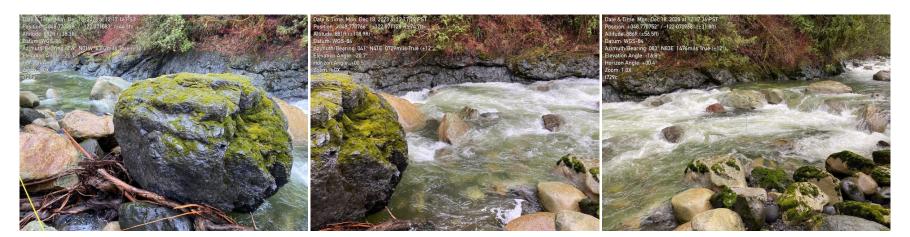
September 2022

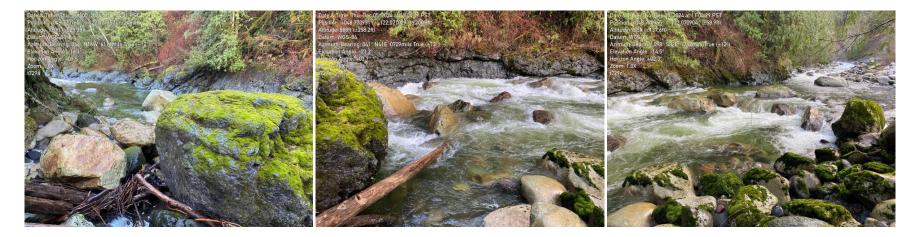


May 2023

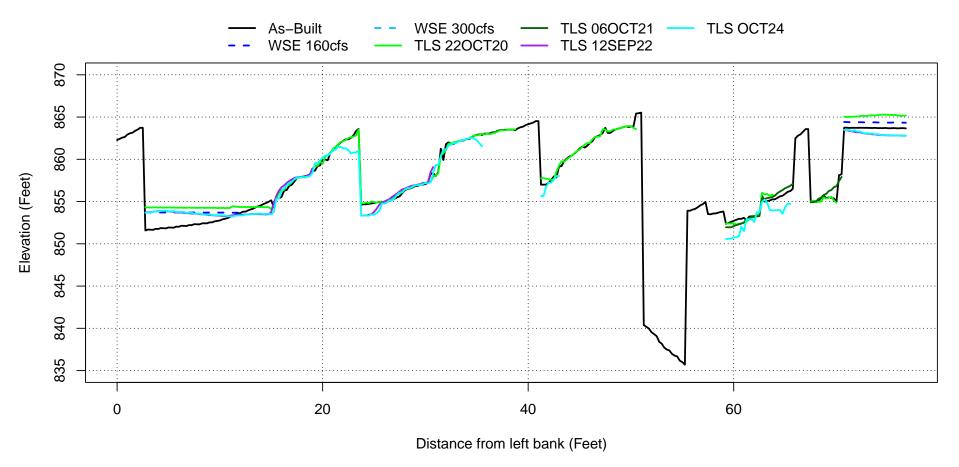


December 2023





Transect 729 - Plot





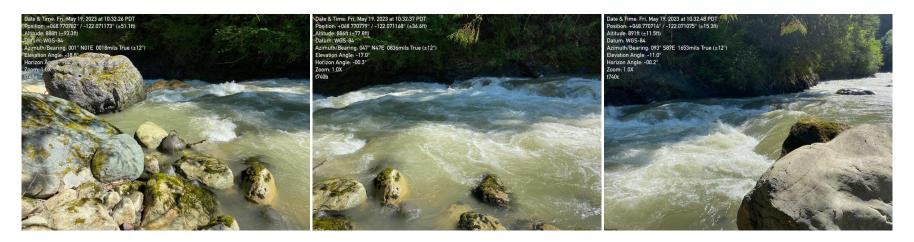
September 2021



September 2022



May 2023

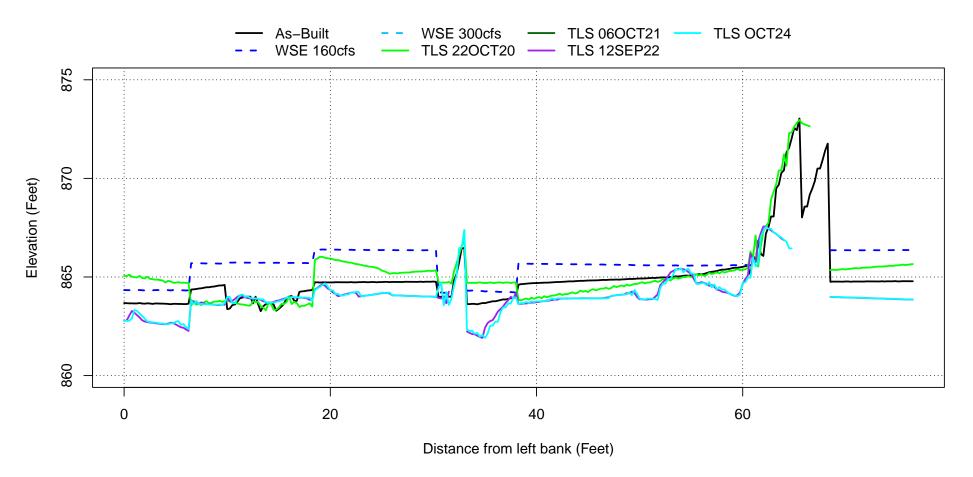


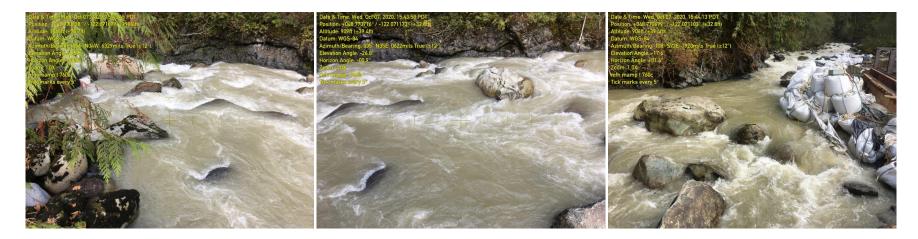
December 2023





Transect 740 - Plot





September 2021



September 2022



May 2023



December 2023





Transect 760 - Plot

