

Paradise Rd. Bridge

This is where we will park on a parking lot, and walk over a car bridge with a scary low handrail. It offers a good view up to the barren rocky glacier-clad slopes, and down to the lush forested alluvial valley.



Nisqually@Paradise Road Bridge



Nisqually@ Abraded Tree

This is a site where wood and river begin to interact. There is demonstration of sediment concentration in the flow, and the erosive power of suspended sediment. Nice boulder and cobble bed and aggraded gravel bars.





Kautz Creek

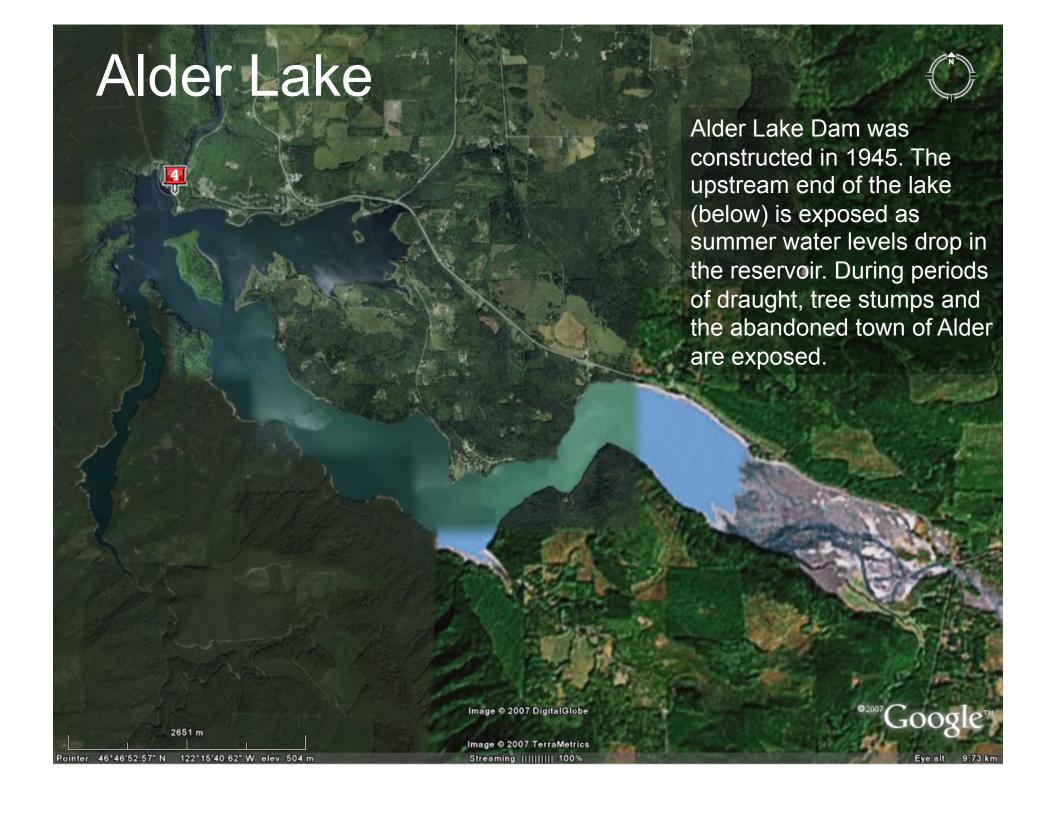
The largest debris flow in park history occurred here on 2-3 Oct., 1947. Heavy rain apparently triggered an outburst flood from Kautz Glacier. The flood eroded a gorge through the ice, then transformed into a debris flow continuing downvalley. The road was buried by 9 m of mud and debris. About 40 million cubic meters of sediment were moved, including boulders up to 4 m in diameter.



Kautz Creek Bridge

Kautz Creek has cut down through those deposits, but the road approach now goes uphill to the creek. Deposits of the 1947 event can be observed, along with upright dead trees partly buried by those deposits, and scoured out again by later flows . Smaller debris flows have moved along Kautz Creek in 1961, 1985, 1986, and perhaps at other times. (modified from USGS)



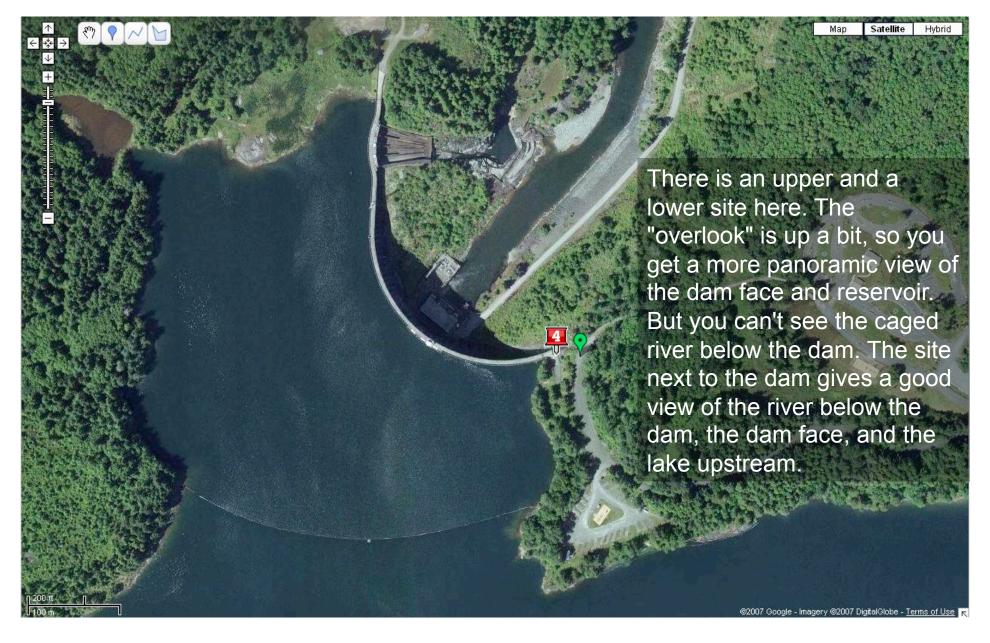


Nisqually river @ Alder lake (Elbe)

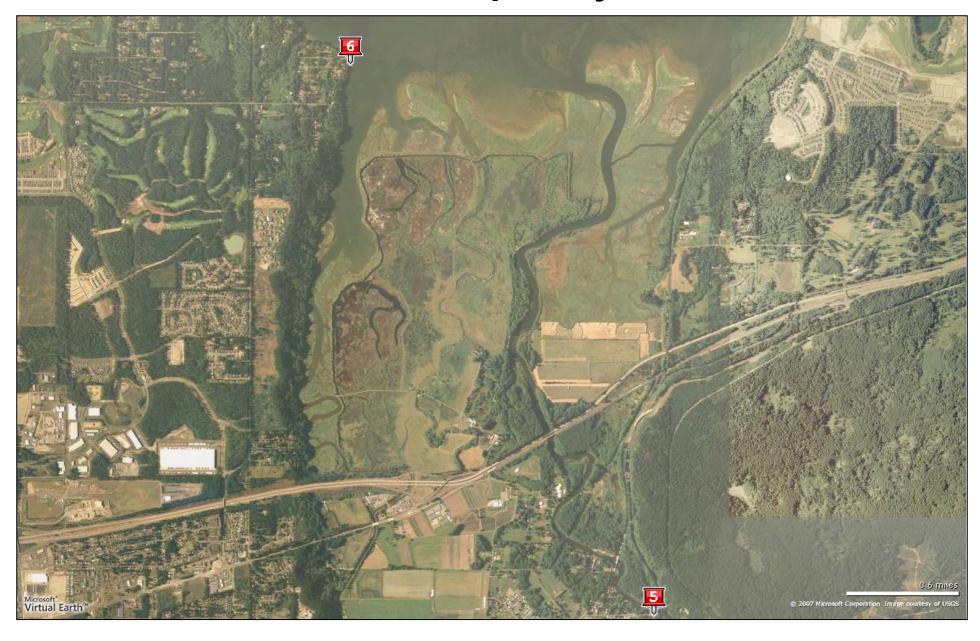
The river rapidly deposits sediment at the delta because all but the finest sediment settles into the lake. Note how the channel widens and forms distributaries. These channels rework the sediment as the delta front advances.



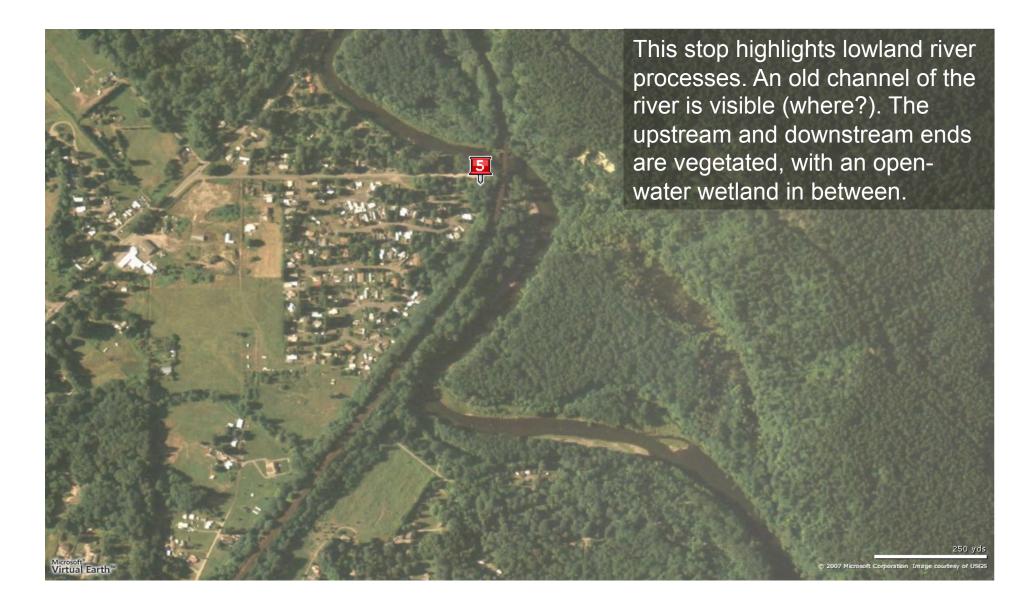
Nisqually@Alder Lake Dam



Lower Nisqually River



Nisqually@WDFW HNDCP



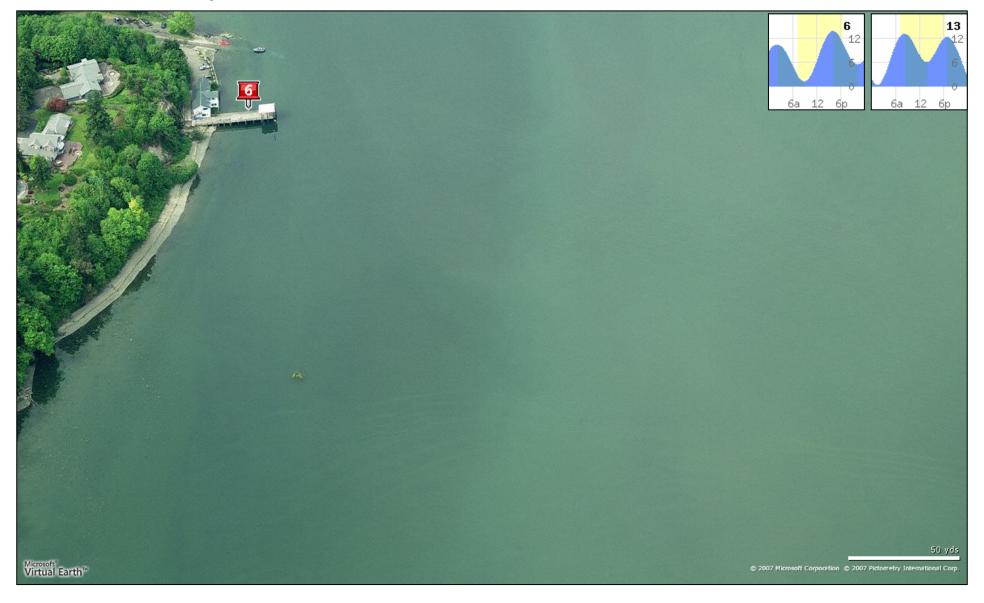
Nisqually River @ Nisqually HNDCP

This site has a nice gravel bar, and wood is visible on the right bank in aerial imagery. Also the hardwoods on the RB occupy an old side channel that looks like a sweet little coho nursery.



Nisqually Estuary @ Nisqually Nature Ctr.

This is an aerial of the Nature Center at ~high tide.



Nisqually Estuary @ Nisqually Nature Ctr.

This is an aerial of the Nature Center at ~low tide.

