



Swift Reservoir Fish Rescue | August 5, 2021

Prepared for Erik Lesko, Matt Harding and ACC

*Prepared by Kelley Jorgensen, Karen Adams and Hannah Mortensen,
Plas Newydd LLC, Sponsor of Wapato Valley Mitigation & Conservation Bank*



Isolated Channel - Stranding Location

- Date of survey 08/05/2021
- Water temperature in far end pool at start of survey: 64°F
- Pool length: ~550 feet
- Pool depth: ~2.5 feet at deepest point



Fish Rescued 07/12/2021 and 08/05/2021



Fish Species	Fish #'s on Survey Date		Total Fish (7/12 and 8/5)	Fork Length (mm)
	7/12/2021	8/5/2021		
Bull Trout (<i>Salvelinus confluentus</i>)	0	9	9	110, 120 (x3), 125, 135, 140, 10, 180
Steelhead/Rainbow Trout (<i>Oncorhynchus mykiss</i>)	6	7	13	41-54 on 7/12/21 35-70 on 8/5/21
Coho Salmon (<i>Oncorhynchus kisutch</i>)	80	268	348	44-83 on 7/12/21 45-100 on 8/5/21
Lamprey sp. (Family Petromyzontidae)	0	1	1	110
Sculpin sp. (<i>Cottus sp.</i>)	0	19	19	30-120
Three-spined stickleback (<i>Gasterosteus aculeatus</i>)	1000+ (observed in 4 isolated pools)	3	1003+	10-60 on 8/5/21

Fish Rescued and Observed 08/21/2020



Fish Species	Fish Count		Total Fish
	Rescued	Observed (estimated, not captured)	
Bull Trout (<i>Salvelinus confluentus</i>), fork length 150mm	1	0	1
Coho Salmon (<i>Oncorhynchus kisutch</i>)	60	120	180
Sculpin sp. (<i>Cottus sp.</i>)	15	70	85
Three-spined stickleback (<i>Gasterosteus aculeatus</i>)	10	250	260



Bull trout
(*Salvelinus
confluentus*)
and coho salmon
(*Oncorhynchus
kisutch*)

 **photarium**
a product of Wild Fish Conservancy
for information: 425-788-1167
photarium@wildfishconservancy.org

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Bull trout
(*Salvelinus
confluentus*)
and sculpin sp.
(*Cottus sp.*)



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Bull trout
(*Salvelinus
confluentus*)



Bull trout
(*Salvelinus
confluentus*)





Bull trout
(*Salvelinus
confluentus*)
and coho salmon
(*Oncorhynchus
kisutch*)



Bull trout
(*Salvelinus
confluentus*)

Too large for
photarium at
~180mm



Coho salmon
Oncorhynchus
kisutch) and
steelhead/rainbow
trout
(*Oncorhynchus*
mykiss)



Coho salmon
Oncorhynchus
kisutch) and
steelhead/rainbow
trout
(*Oncorhynchus*
mykiss)



Coho salmon
Oncorhynchus
kisutch) and
steelhead/rainbow
trout
(*Oncorhynchus*
mykiss)



Lamprey (family
Petromyzontidae)



photarium

a product of Wild Fish Conservation

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Isolated channel
with stranded fish.
Looking upstream
towards upper
Lewis River. Notice
wall of large wood
and river
cobble/sediment
blocking upstream
channel inlet.
8/5/2021



Isolated channel
with stranded fish
Looking
downstream
towards Swift Res.
Notice fragmented
pools and upland
vegetation
colonizing on lake
bed.
8/5/2021



UAV (drone) image
of stranding area
on 8/21/2020
Northwoods on
right, looking
upstream towards
upper Lewis River.



UAV (drone) image
of stranding area
on 8/5/2021.
Northwoods on
right, looking
upstream towards
upper Lewis River.



UAV (drone) image
of stranding area
on 8/21/2020.
Looking upstream,
Northwood docks
on right bank.



UAV (drone) image
of stranding area
on 8/5/2021
Looking upstream
Northwoods on
right



UAV (drone) image
of stranding area
on 8/5/2021.
Northwoods on
left, looking
downstream
towards Swift Res.