State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Anadromous Waters Catalog

Region: Southcentral

USGS Quad(s): SEWARD D-6

Anadromous Waters Catalog Number of Water Body: 247-60-10170-2029-3041-4030

Name of Water Body: ☐ USGS Name ☐ Local Name

☑ Addition ☐ Deletion ☑ Correction ☐ Backup Information

For Office Use

Nomination #: **24-894**

Revision Year: 2025

Revision to: ☑ Atlas ☑ Catalog

Revision Code: C-9, A-1

Adam Reimer	Fisheries Scientist	11-14-2024 Date
Ryan Benkert	Habitat Operations Manager	10/16/2024 Date
[signature]	AWC Project Biologist	14 Oct 2024 Date
[signature]	GIS Analyst	11/18/2024 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
coho salmon	08/10/2024		✓		✓

~UPDATE/ADJUST current hydrography of existing AWC Stream #247-60-10170-2029-3041-4030.

~EXTEND existing AWC Stream #247-60-10170-2029-3041-4030 with COHO salmon REARING.

*** Process Nom's #24-893 and #24-895 first. ***

Comments:

Nomination by Ben Meyer (Kenai Watershed Forum)
Performed survey on upstream side of culvert using Minnow traps under ARP SF2024-090. Captured juvenile Coho on upstream side of culvert under Seward Hwy.

Previous culvert survey in 2001 reports capturing resident Dolly Varden on upstream side of culvert. The existing AWC line stops on the downstream side of culvert. AWC habitat almost certainly continues upstream, NHD lines suggest at least ~1 mile stream length. Plan to return to this site in 2024 or 2025 for end of anadromy surveys with backpack electricfisher.
Latitude 60.789604, Longitude -149.209014

Name of Observer (please print): Nyssa Russell

Signature: 10.231.39.10 (Web Nomination) Date: 10/07/2024

Agency:

Address: 4032 Harry Nielsen Ave.
Kodiak, AK 99615

This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Anadromous Waters Catalog.

Signature of Area Biologist: _____ Date: _____ Revision 3/16

Name of Area Biologist (please print):

State of Alaska
Department of Fish and Game
Division of Sport Fish

Nomination Form Anadromous Waters Catalog

Region	SCN	USGS Quad(s)	SEWARD D-6
AWC Number of Water Body	247-60-10170-2029-3041-4030		
Name of Water body		☐ USGS Name	☐ Local Name

☑ Addition ☐ Deletion ☑ Correction ☐ Backup Information

For office use

Nomination #	24-894	Fisheries Scientist	
Revision Year	2025	Fisheries Scientist Date	
Revision to Atlas		Habitat Operations Manager	
Revision to Catalog		Habitat Operations Manager Date	
Revision to Both		AWC Project Biologist	
Revision Code	C-9, A-1	AWC Project Biologist Date	
		GIS Analyst	
		GIS Analyst Date	

Observation information

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho/Silver Salmon	8/10/24	☐	X	☐	X

IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Name of Observer	Benjamin Meyer	Signature	
Agency		Date	8/10/24
Address			

This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Anadromous Waters Catalog.

Signature of Area Biologist		Date	
Name of Area Biologist		Revision 11/13	

Detail ID	Date/Time	Species/Object	Species Conditions	Presence/ Absence	Age Class	Best Count	Exact Count	Minimum Count	Maximum Count	Trend	Activity Cod	Latitude	Longitude	Comments	Anadromous Fish Determination	Other/Comments	Fish Spawning Details	Other/Comments	Fish Carcass Details	Other/Comments
M-AWC-DETAIL-1124	Sep 10, 2023 1:40:00 PM	Pink/Humpy Salmon	good, fresh dead, moderate decomposition, advanced decomposition, Dead-unknown condition	present	Spawning, adult	60		90	180		Spawning	57.8671741	-136.0810911				Visual observation of spawners in spawning colors.			
M-AWC-DETAIL-1125	Sep 10, 2023 1:16:00 PM	Pink/Humpy Salmon	good, fresh dead, moderate decomposition, advanced decomposition, Dead-unknown condition	present	Spawning adult	50		50	150		Spawning	57.8452648	-136.0542742			Fish observed at the mouth of the stream at a flooding tide probably beginning to move upriver.	Visual observations of paired spawning behavior between two or more individuals., Visual observation of spectmens in spawning colors.		Two or more carcasses were observed and species positively identified (Photos please)	
M-AWC-DETAIL-1126	Sep 9, 2023 3:15:00 PM	Pink/Humpy Salmon		present	Spawning, adult	12		12	24			57.9938864	-136.2171787	Spawning Pink salmon at mouth during low tide waiting for flood			Visual observation of spectmens in spawning colors.			
M-AWC-DETAIL-1127	Sep 9, 2023 1:45:00 PM	Pink/Humpy Salmon	good, fresh dead, moderate decomposition, Dead-unknown condition	present	Spawning, adult	100		100	200		Spawning	58.0152782	-136.3870714				Visual observation of spectmens in spawning colors.		Two or more carcasses were observed and species positively identified (Photos please), There is evidence of recent spawning activity in the immediate area such as the observed presence of redds and/or fish eggs in the gravel, There are recent observation of live/spawning specimens of the same species in the same location, The nominated water body is a tributary or upstream of a currently specified AWC water body that supports the same species	
M-AWC-DETAIL-1129	Sep 9, 2023 12:45:00 PM	Cutthroat trout		present	Adult	1	1					57.9611814	-136.3666.999 saw as large cutthroat trout on photo though							
M-AWC-DETAIL-1130	Sep 8, 2023 12:57:00 PM	Pink/Humpy Salmon	good, moderate decomposition, advanced decomposition, Dead-unknown condition	present	Spawning, adult	20		70	95			57.9912486	-136.3063167	Pink Salmon jockeying up a stream near Sockly Cove. With stream gradient of 6% (+), observed that it was navigable to one or more salmon at the mouth. Likely that there is good habitat further upstream.	Anglers historically and routinely catch anadromous adults of this species in streams/lakes/creek in this drainage., People are known to catch fish in the salt at Sockly Cove.		Visual observations of paired spawning behavior between two or more individuals., Visual observation of spectmens in spawning colors.	Eggs and fish lets all over along stream bank	Two or more carcasses were observed and species positively identified (Photos please), There are recent observation of live/spawning specimens of the same species in the same location	This land parcel is to be Splitted at exact border of watertight beyond
M-AWC-DETAIL-1131	Sep 11, 2023 11:20:00 AM	Pink/Humpy Salmon	good, Dead-unknown condition	present	Spawning, adult	50		50	150			57.953/-133	-136.2607135			Fry wading photo	Visual observation of spectmens in spawning colors.		Two or more carcasses were observed and species positively identified (Photos please)	
M-AWC-DETAIL-1132	Sep 9, 2023 11:57:00 AM	Pink/Humpy Salmon	remains/red, fresh dead, moderate decomposition, advanced decomposition, Dead-unknown condition	present	Spawning, adult	500		500	900		Spawning	57.9629701	-136.2607431	Humps and (my opinion) pink locally known to the folks in Hollis. Kids come over to catch pinks for bait.	Anglers historically and routinely catch anadromous adults of this species in streams/lakes/creek in this drainage., Physical features and size of fish observed correlated with an adromous versions of this species. (Please describe and document with photos)		Visual observations of paired spawning behavior between two or more individuals., Visual observation of spectmens in spawning colors.	Gribble outcrop at site is a little coarse and too large for ideal spawning, maybe spawning on opposite bank or finer grained upstream- definitely continue further upstream	Two or more carcasses were observed and species positively identified (Photos please), There is evidence of recent spawning activity in the immediate area such as the observed presence of redds and/or fish eggs in the gravel, There are recent observation of live/spawning specimens of the same species in the same location	
M-AWC-DETAIL-1133	Mar 1 (, 2023 1:11:00 PM	Steelhab		present	Combined	4	4				Present	47.5167942#	-162.4207511	Caught 1 steelhab (buck and kline) about 15 miles upstream from the mouth of the Naselle River. 4 were caught and two were large. One of the large fish and one of the small had eggs in side. I know of people catching steelhab as far up the mainlab as the mouth of the Agashashok River (15ish miles from the mouth). Also, mostly catch steelhab at the mouth of the Naselle and a few miles upstream regularly in the winter	Anglers historically and routinely catch anadromous adults of this species in streams/lakes/creek in this drainage.						
M-AWC-DETAIL-1134	May 16, 2024 9:15:00 AM	Coho/Silver Salmon	good	present	Fry	5	5	4	5 fish		Rearing	55.44867948	-132.9467342	Perennially spring-connected stream within Hawkins lake watershed. Features are consistent with visible fish habitat. Minnow traps were deployed by ADF&G to determine anadromy. Confirmation photos are not	Physical features and size of fish observed correlated with anadromous variants of this species. (Please describe and document with photos) AWC streams directly below this location have previously documented this species as anadromous and no barriers to fish movement are known to occur. Physical features and size of fish observed correlated with an adromous variants of this species. (Please describe and	K'SPT mine Dedicated minnow traps to determine anadromy of stream during scheduled culvert and stream assessments. Observed: 1 coho smolt 5 coho fry 2 cutthroat trout					
M-AWC-DETAIL-1135	Jun 29, 2024 10:35:00 PM	Dolly Varden		present	Adult	4	4							Caught in Dolly's. Seven males, seven females.						
M-AWC-DETAIL-1136	Aug 12, 2024 6:45:00 PM	Coho/Silver Salmon	good	present	Fry	58	58			never seen before	Rearing	62.7256857#	-145.1576845	Performed survey using minnow traps under aquatic resource permit SF2024-090. Six traps deployed, see fish/creek photos.	AWC streams directly below this location have previously documented this species as anadromous and no barriers to fish movement are known to occur	Man-made lake in gravel pit. NHD polygon for this lake does not cover full extent of water surface. Recommend drawing new lake polygon for AWC mapping. 20 minute walk in from Seward Highway in Turnagain pass. Location suggested by searching 'Railway Gift Hole.		Fair, maybe shooting some small colonization	The nominated water body is a tributary or upstream of a currently specified AWC water body that supports the same species, There are observation of the same species in immediate downstream of this location listed in a correspondding AWC nomination	Adjacent connected lakes are already listed in AWC. Also man-made lakes
M-AWC-DETAIL-1137	Aug 10, 2024 4:30:00 PM	Coho/Silver Salmon	good	present	Fry	1	1				Present	60.8012815	-149.2096115	Performed survey using minnow traps under aquatic resource permit SF2024-090. Eight traps deployed, see fish/creek photos.		Stream network in this area is highly branched. Not uncommon to this area to perform more detailed end of anadromy surveys with backpack electrofisher in 2024 and 2025		All juveniles observed.	The nominated water body is a tributary or upstream of a currently specified AWC water body that supports the same species	
M-AWC-DETAIL-1138	**Aug 10, 2024 5:55:00 PM**	**Coho/Silver Salmon**	**good**	**present**	**Fry**	**5**	**5**				**Present**	**60.789604**	**-149.209014**	**Performed survey on upstream side of culvert using Minnow traps under ARP SF2024-090. Captured juvenile Coho on upstream side of culvert under Seward Hwy. Previous culvert survey in 2001 reports capturing resident Dolly Varden on upstream side of culvert. The existing AWC line stops on the downstream side of culvert. AWC habitat almost certainly continues upstream, NHD lines suggest at least ~1 mile stream length. Plan to return to this site in 2024 or 2025 for end of anadromy surveys with backpack electrofisher.**						
M-AWC-DETAIL-1139	Jul 29, 2024 12:01:00 PM	Sockeye/Red Salmon		present		3						56.7078503	-135.3962767							
M-AWC-DETAIL-1140		Cutthroat trout	good	present	Unknown	0					Present	56.8353.901	-133.83461.9		AWC streams directly below this location have previously documented this species as anadromous and no barriers to fish movement are known to occur. AWC streams directly below this location have previously documented this species as anadromous and no barriers to fish movement are known to occur	No barrier fish				
M-AWC-DETAIL-1141	Aug 22, 2024 2:22:00 PM	Cutthroat trout		present		2	2				Present	56.7239529	-133.07.9631	Multiple fish were caught.		Fish caught in with other anadromous species (coho and chum)				
M-AWC-DETAIL-1142	Aug 22, 2024 2:06:00 PM	Cutthroat trout		present		1	1				Present	56.7239491	-133.0966053							
M-AWC-DETAIL-1143	Aug 22, 2024 2:33:00 PM	Dolly Varden		present		1	1					56.7238.9.1	-133.07.9678							
M-AWC-DETAIL-1144	Aug 22, 2024 1:32:00 PM	Dolly Varden		present		1		3			Present	56.7241.768	-133.0684001	Multiple fish caught	AWC streams directly below this location have previously documented this species as anadromous and no barriers to fish movement are known to occur. Anglers historically and routinely catch anadromous adults of this species in streams/lakes	Fish caught alongside other anadromous species (pinks and chum)				

Comments associated with AWC Observation Detail M-AWC-DETAIL-1138

Coho/Silver Salmon

Performed survey on upstream side of culvert using Minnow traps under ARP SF2024-090. Captured juvenile Coho on upstream side of culvert under Seward Hwy. Previous culvert survey in 2001 reports capturing resident Dolly Varden on upstream side of culvert. The existing AWC line stops on the downstream side of culvert. AWC habitat almost certainly continues upstream, NHD lines suggest at least ~1 mile stream length. Plan to return to this site in 2024 or 2025 for end of anadromy surveys with backpack electricfisher.

Photo #223 - Image associated with AWC Observation Detail M-AWC-DETAIL-1138

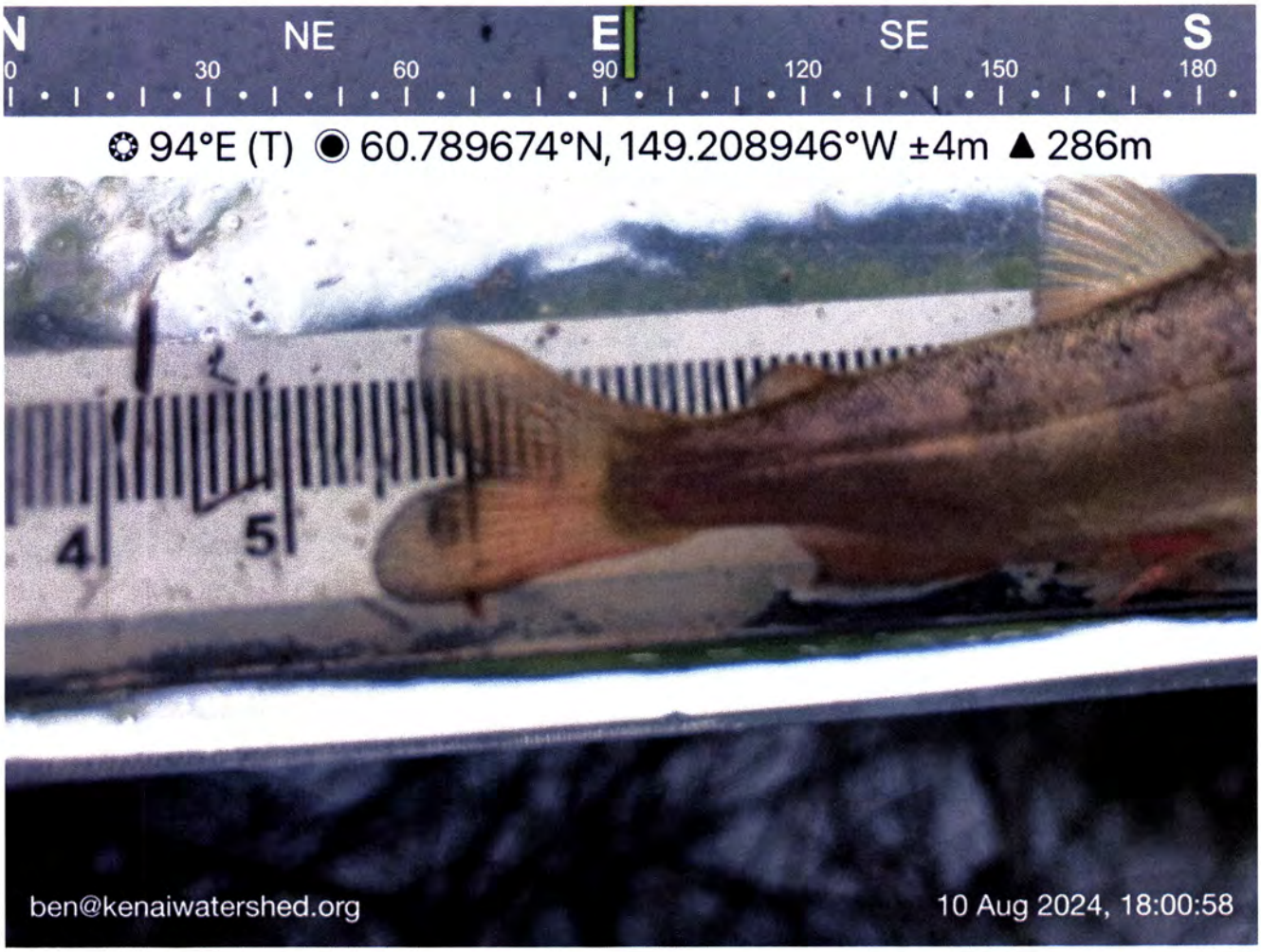


Photo #224 - Image associated with AWC Observation Detail M-AWC-DETAIL-1138

Photo #225 - Image associated with AWC Observation Detail M-AWC-DETAIL-1138

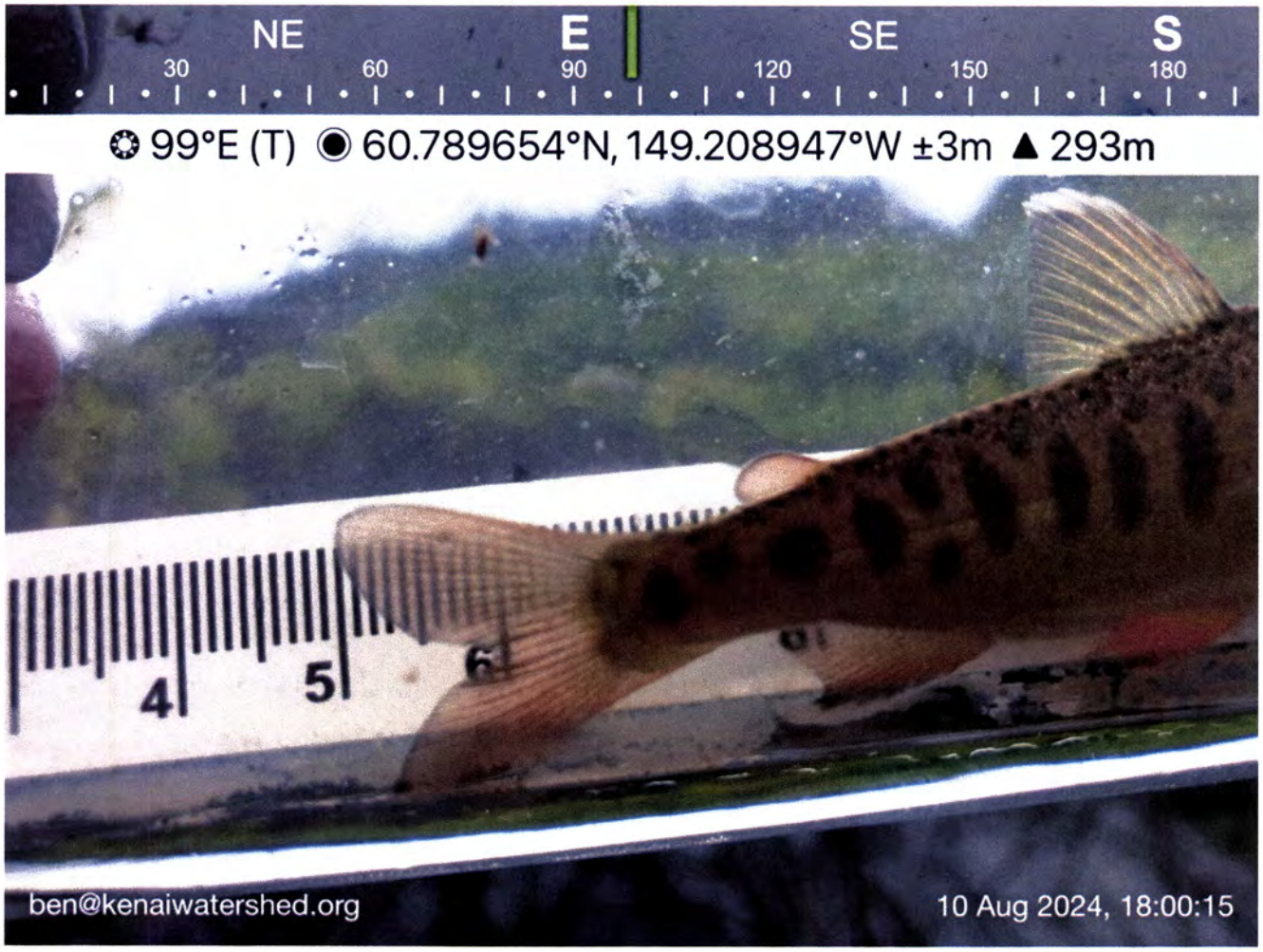
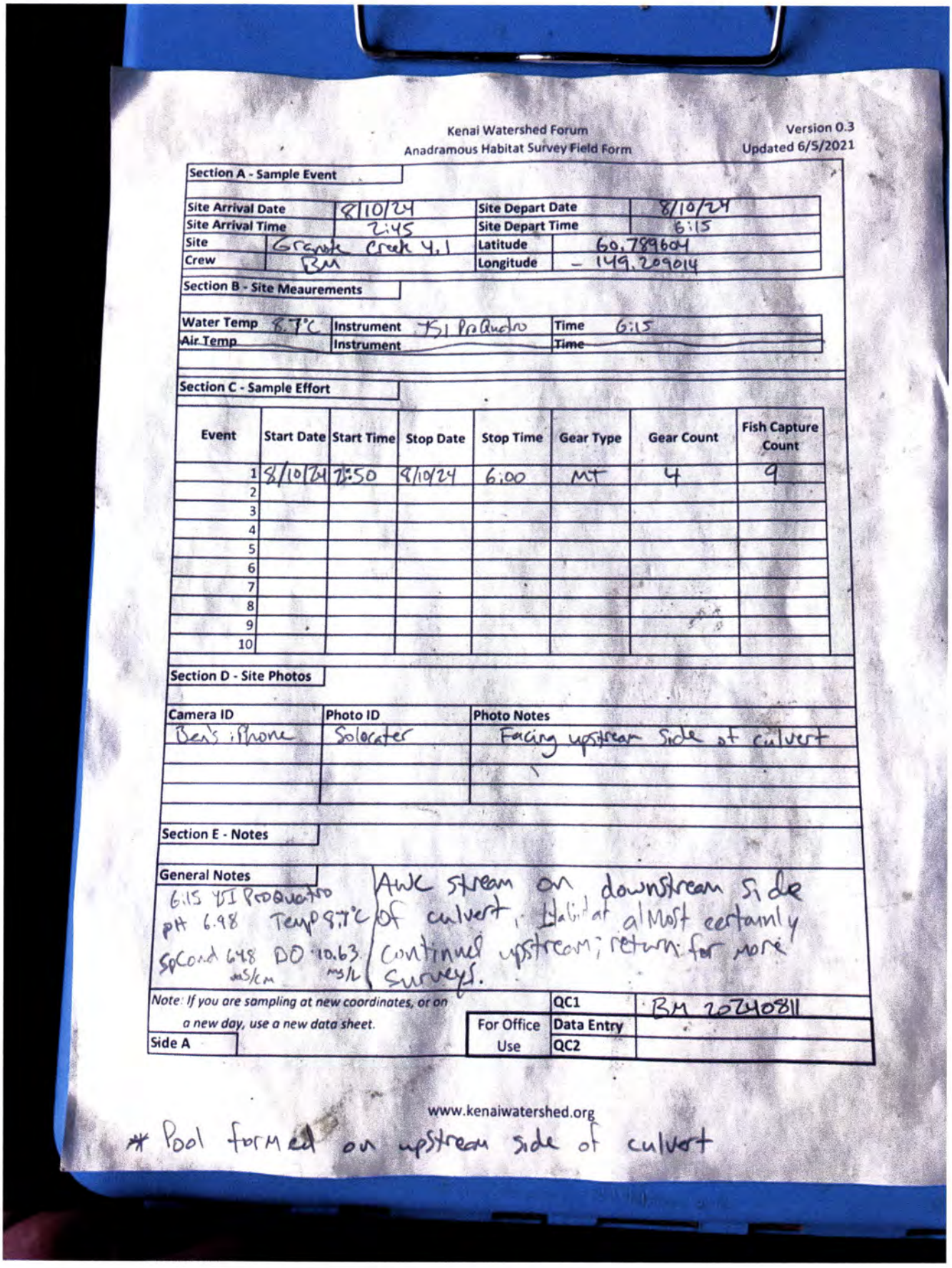


Photo #226 - Image associated with AWC Observation Detail M-AWC-DETAIL-1138

Photo #227 - Image associated with AWC Observation Detail M-AWC-DETAIL-1138

Photo #228 - Image associated with AWC Observation Detail M-AWC-DETAIL-1138



Kenai Watershed Forum
Anadramous Habitat Survey Field Form

Version 0.3
Updated 6/5/2021

Section A - Sample Event

Site Arrival Date	8/10/24	Site Depart Date	8/10/24
Site Arrival Time	2:45	Site Depart Time	6:15
Site	Granite Creek 4.1	Latitude	60.789604
Crew	BM	Longitude	-149.209014

Section B - Site Meaurements

Water Temp	8.7°C	Instrument	YSI ProQuatro
Air Temp		Instrument	
		Time	6:15
		Time	

Section C - Sample Effort

Event	Start Date	Start Time	Stop Date	Stop Time	Gear Type	Gear Count	Fish Capture Count
1	8/10/24	7:50	8/10/24	6:00	MT	4	9
2							
3							
4							
5							
6							
7							
8							
9							
10							

Section D - Site Photos

Camera ID	Photo ID	Photo Notes
Ben's iPhone	Solocater	Facing upstream side of culvert

Section E - Notes

General Notes

6:15 YSI ProQuatro
pH 6.98 Temp 8.7°C
SpCond 648 mS/cm DO 10.63 mg/L

AWC stream on downstream side of culvert. Habitat almost certainly continued upstream; return for more surveys.

Note: If you are sampling at new coordinates, or on a new day, use a new data sheet.

Side A

For Office Use		
	QC1	BM 20240811
	Data Entry	
	QC2	

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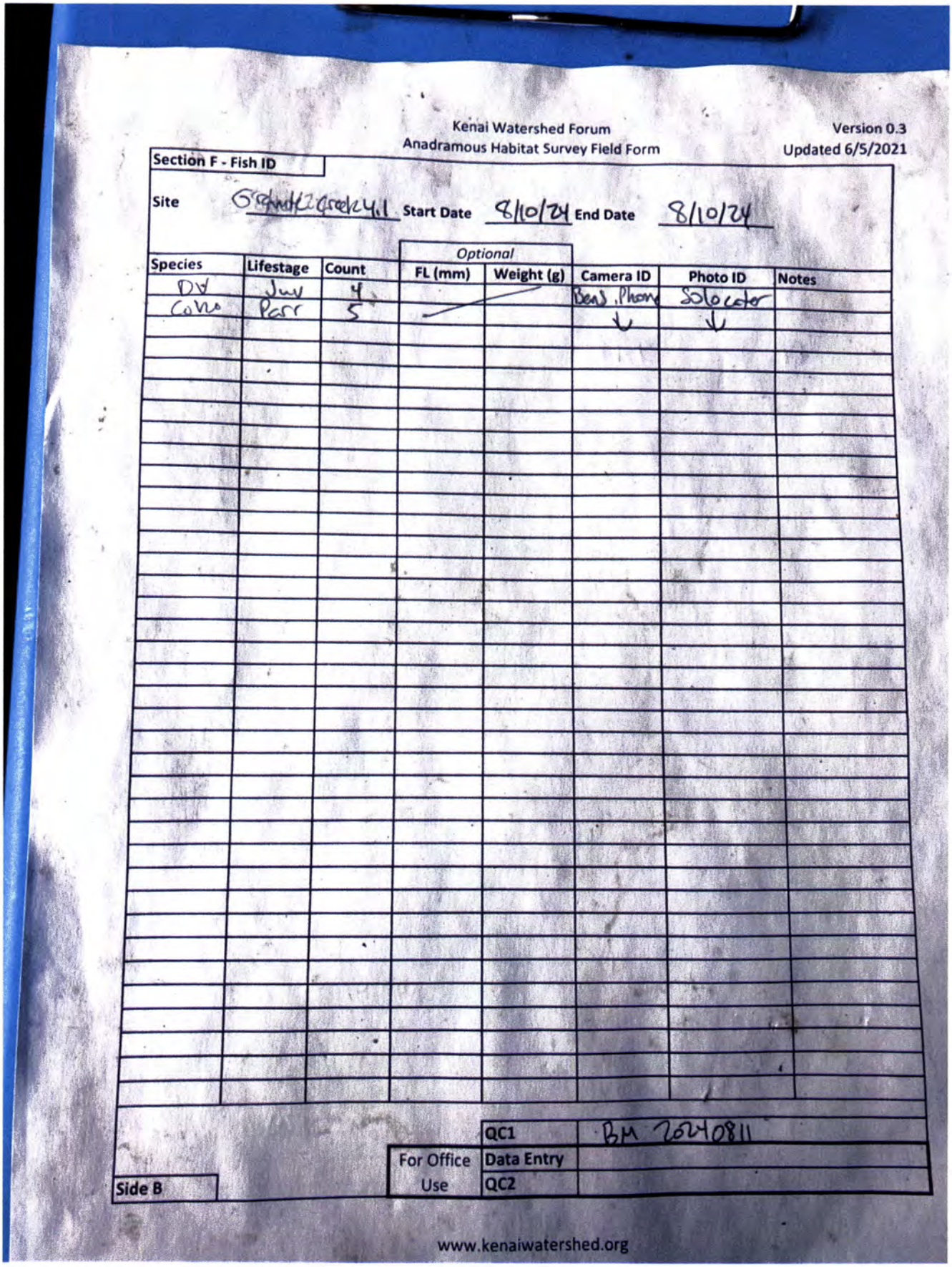
* Pool formed on upstream side of culvert

Photo #230 - Image associated with AWC Observation Detail M-AWC-DETAIL-1138



Kenai Watershed Forum
Anadramous Habitat Survey Field Form

Version 0.3
Updated 6/5/2021

Section F - Fish ID

Site Ground Creek 4.1 Start Date 8/10/24 End Date 8/10/24

Species	Lifestage	Count	Optional FL (mm)	Optional Weight (g)	Camera ID	Photo ID	Notes
DV	Juv	4			Beast Phone	Solocator	
Coho	Parr	5			↓	↓	

For Office Use	QC1	BM 20240811
	Data Entry	
	QC2	

Side B

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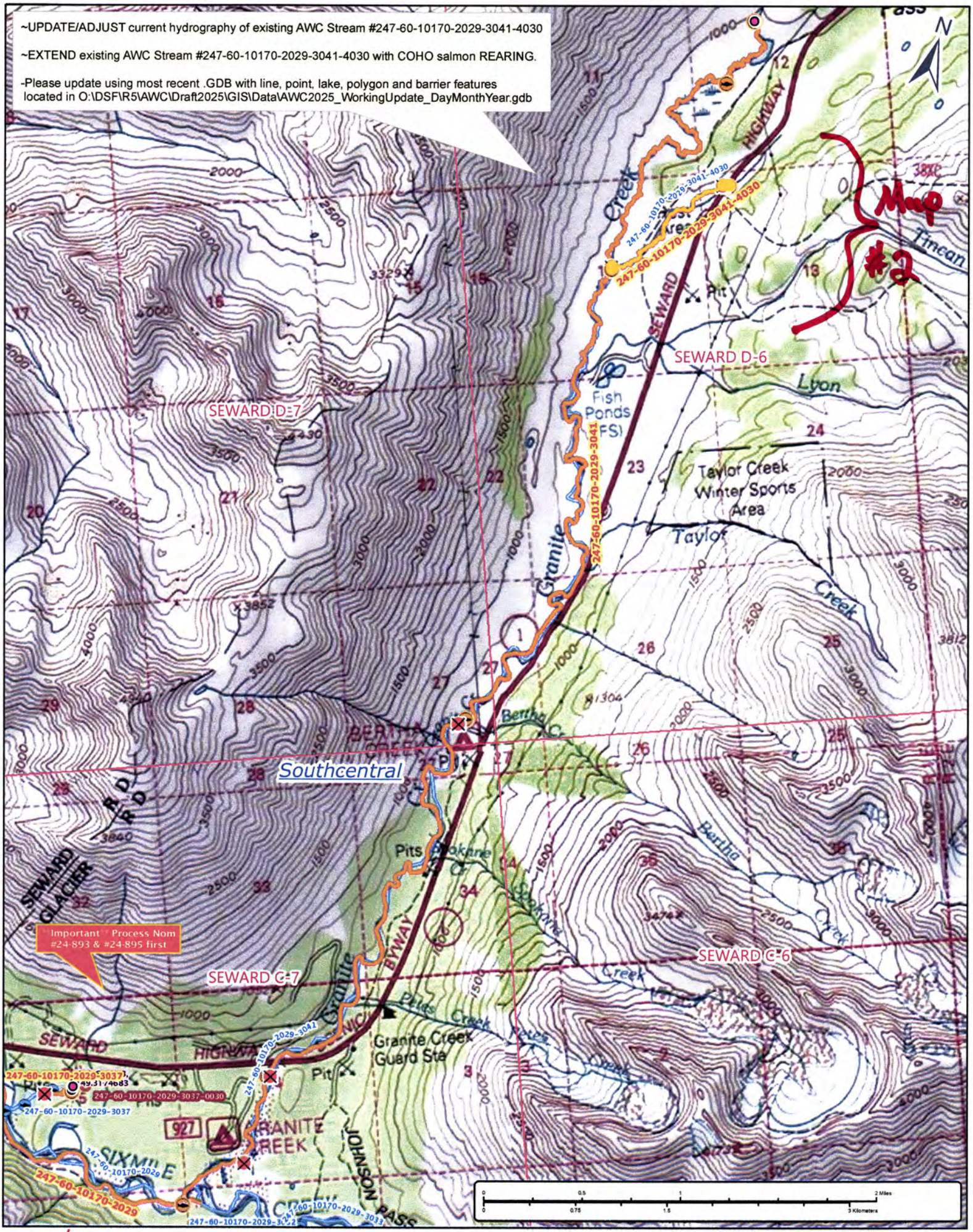
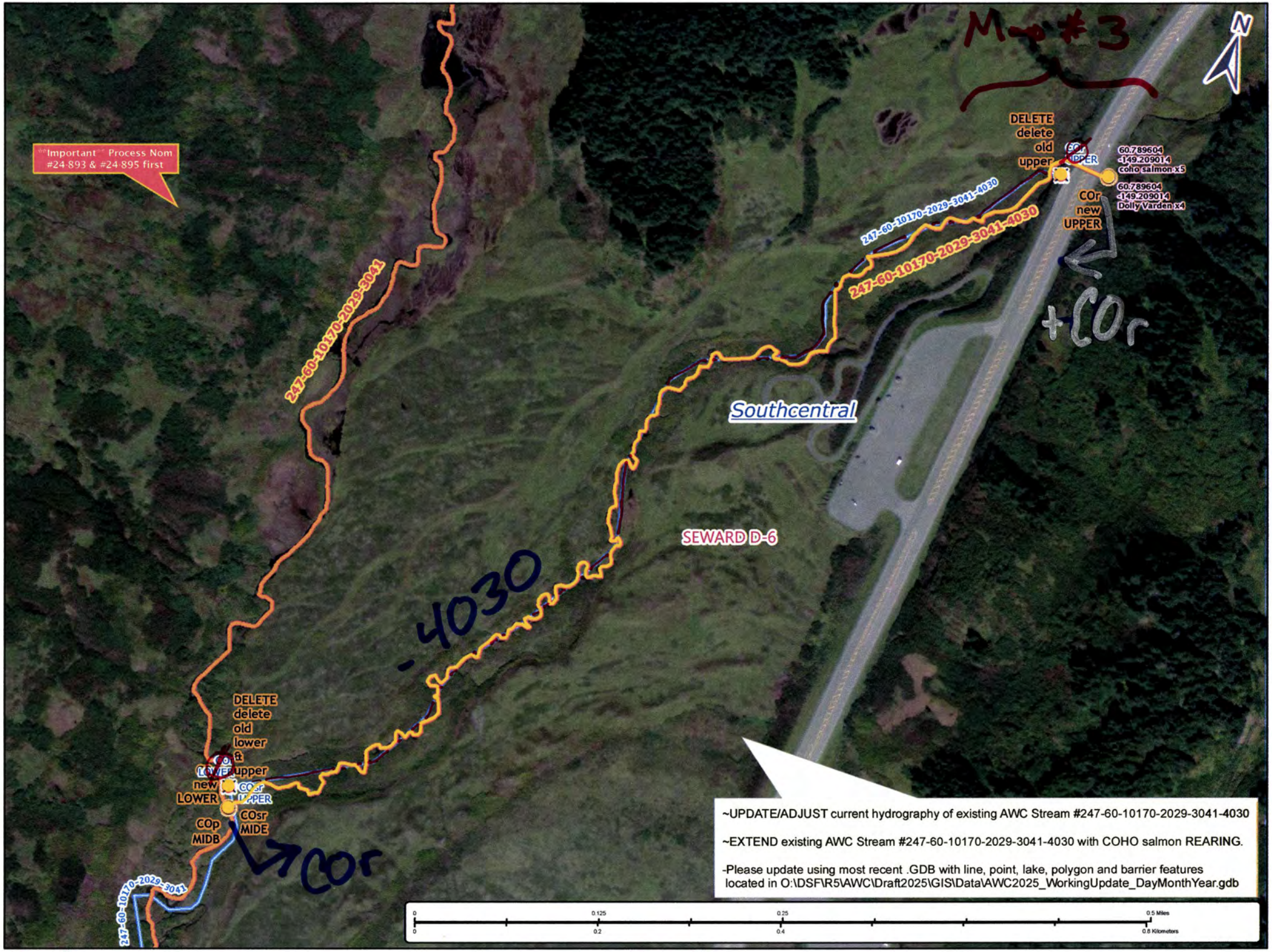
Photo #229 - Image associated with AWC Observation Detail M-AWC-DETAIL-1138



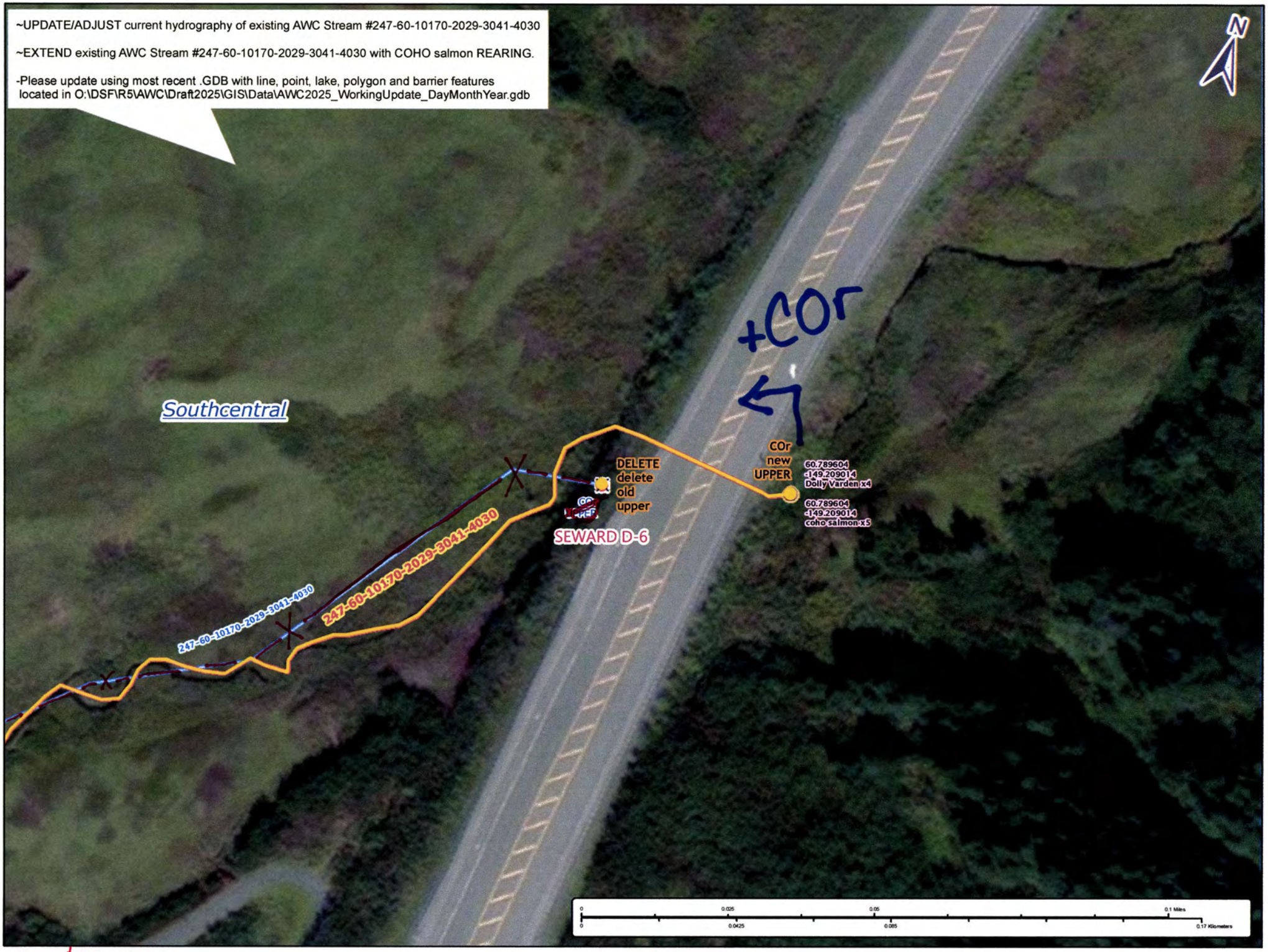
Nom #24-894

Map #1



Nom # 24-894

Map #2



Nom #24-894

Map #3