State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Anadromous Waters Catalog

Region: Southcentral

USGS Quad(s): SEWARD C-7

Anadromous Waters Catalog Number of Water Body: 247-60-10170-2029-3037- (-0030)

Name of Water Body: East Fork Sixmile Creek; unnamed trib; *Gravel Pit #3 ☐ USGS Name ☑ Local Name

☑ Addition ☐ Deletion ☑ Correction ☐ Backup Information

For Office Use

Nomination #	24-893	Adam Reimer	11-24-2024
Revision Year:	2025	Fisheries Scientist	Date
Revision to:	☑ Atlas	Ron Benkert	10/16/2024
	☑ Catalog	Habitat Operations Manager	Date
Revision Code:	A-1, A-2, C-9	AWC Project Biologist	11 Oct 2024
		GIS Analyst	11/18/2024
			Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
coho salmon (x59)	08/10/2024		✓		✓
Dolly Varden (x2)	8/10/2024		✓		

~EXTEND existing AWC Stream #247-60-10170-2029-3037 with COHO salmon REARING.

~ADD new AWC Lake ##247-60-10170-2029-3037-0030 "*Gravel Pit #3" with COHO salmon REARING.

~UPDATE/ADJUST middle hydrography segement of existing AWC Stream ##247-60-10170-2029 "East Fork Sixmile Creek".

Comments:

Nomination from Ben Meyer (Kenai Watershed Forum)
59 coho fry. Performed survey using minnow traps under aquatic resource permit SF2024-090. Six traps deployed split across two locations. See field notes in photos. Parr, maybe showing some smolt coloration.

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.

Adjacent connected lakes are already listed in AWC. Also man-made lakes.

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 C-7
AWC Number of Water Body	247-60-10170-2029(3037) (-0030)		
Name of Water body		☐ USGS Name	☐ Local Name

☑ Addition ☐ Deletion ☑ Correction ☐ Backup Information

For office use

Nomination #	24-893	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	A-1, A-2, C-9	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 Code	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 3:40:00 PM	Pink/Humpy Salmon	good, fresh dead, moderate decomposition, advanced decomposition, Dead unknown condition	present	Spawning adult	60		60	180		Spawning	57.8691541	-136.0858811				Visual observation of specimens 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	57.8462646	-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 specimens in spawning colors.		Two or more carcasses were observed and species positively identified (Photos please)	
M-AWC-DETAIL-1126	Sep 9, 2023 2:15:00 PM	Pink/Humpy Salmon		present	Spawning adult	12		12	24			57.983084	-136.257137	Schooling Pink salmon at mouth during low tide waiting for flood.			Visual observation of specimens in spawning colors.			
M-AWC-DETAIL-1127	Sep 9, 2023 1:41:00 PM	Pink/Humpy Salmon	good, fresh dead, moderate decomposition, Dead unknown condition	present	Spawning adult	100		100	500		Spawning	58.0152582	-136.3070154				Visual observation of specimens 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 12:35:00 PM	Cutthroat trout		present	Adult	1	1					57.9811416	-136.3066789	Saw as large cutthroat trout no photo though						
M-AWC-DETAIL-1130	Sep 9, 2023 12:17:00 PM	Pink/Humpy Salmon	good, moderate decomposition, advanced decomposition, Dead unknown condition	present	Spawning adult	20		20	35			57.9810386	-136.3065567	Pink Salmon pushing up a stream near Scotty Cove. With stream gradient at 6% Eric observed that it was surprising to see so many 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 lower in this drainage.	People are known to catch fish in the salt at Scotty Cove.	Visual observation of specimens in spawning colors.	Eggs and fish tails all over alone 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 spot seems to be farthest extent barrier of waterfalls 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			57.9627131	-136.269715			Eric sending photo	Visual observation of specimens in spawning colors.	Cobble substrate site is a little coarse and too large for ideal spawning, maybe spawning on opposite bank or finer gravel upstream definitely continue farther upstrea	Two or more carcasses were observed and species positively identified (Photos please)	
M-AWC-DETAIL-1132	Sep 9, 2023 11:12:00 AM	Pink/Humpy Salmon	emaciated, fresh dead, moderate decomposition, advanced decomposition, Dead unknown condition	present	Spawning adult	100		100	300		Spawning	57.9629701	-136.2697924	Humpy and Dog salmon creek locally known to the folks in Pelican. Kids come over to catch pinks for bait.	Anglers historically and routinely catch anadromous adults of this species in streams/lakes lower in this drainage., Physical features and size of fish observed consistent with anadromous variants of this species. (Please describe and document with photos)		Visual observations of paired spawning behavior between two or more individuals., Visual observation of specimens 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	
M-AWC-DETAIL-1133	Mar 17, 2024 3:11:00 PM	Shoefish		present	Combined	6	6				Present	67.14079434	-162.4997941	Caught 6 shoefish (hook and line) about 18river miles upstream from the mouth of the Noatak River. 4 were small and two were large. One of the large fish and one of the small had eggs inside. I know of people catching shoefish as far up the noatak as the mouth of the Agashashok River (33ish miles from the mouth). Also, people catch shoefish at the mouth of the Noatak and a few miles upstream regularly in the winter.	Anglers historically and routinely catch anadromous adults of this species in streams/lakes lower in this drainage.					
M-AWC-DETAIL-1134	May 30, 2024 8:16:00 AM	Coho/Silver Salmon	good	present	Fry	6	6	6	9	few	Rearing	55.4880748	-132.9467553	Previously undocumented stream within Hiawatt lake watershed. Features are consistent with viable fish habitat. Minnow traps were deployed by KISFP to determine anadromy. Confirmation photos are not uploading to app.	Physical features and size of fish observed consistent 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 consistent with anadromous variants of this species. (Please describe and document with photos)	KISFP crew deployed minnow traps to determine anadromy of stream during scheduled culvert and stream assessments. Observed: 1 coho smolt 6 coho fry 2 cutthroat trout				
M-AWC-DETAIL-1135	Jun 29, 2024 10:39:00 PM	Dolly Varden		present	Adult	6	6							Caught 6 Dollie's. Some males, some females.						
M-AWC-DETAIL-1136	**Aug 10, 2024 6:45:00 PM**	**Coho/Silver Salmon**	**good**	**present**	**Fry**	**58**	**58**			**never seen before**	**Rearing**	**60.72680723**	**-149.3174683**	**Performed survey using minnow traps under aquatic resource permit SF2024-090. Six traps deployed, see field notes in 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 examining NetMap GIS data.		**Parr, maybe showing some smolt coloration**	**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 immediately downstream of this location listed in a corresponding 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	5	5				Present	60.801381	-149.203453	Performed survey using minnow traps under aquatic resource permit SF2024-090. Eight traps deployed, see field notes in photos. 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 support at least ~1 mile stream length. Plan to return to this site in 2024 or 2025 for end of anadromy surveys with backpack electrofisher.		Stream network in this area is highly branched. Plan to return to this area to perform more extensive 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							
M-AWC-DETAIL-1139	Jul 24, 2024 12:01:00 PM	Sockeye/Red Salmon		present		0						56.707/01523	-131.9962767							
M-AWC-DETAIL-1140		Cutthroat trout	good	present	Unknown	0					Present	56.63656405	-131.8546174		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 falls				
M-AWC-DETAIL-1141	Aug 22, 2024 2:22:00 PM	Cutthroat trout		present		2	2				Present	56.72238529	-132.0576631	Multiple fish were caught.		Fish caught in with other anadromous species (pinks and chum)				
M-AWC-DETAIL-1142	Aug 22, 2024 2:08:00 PM	Cutthroat trout		present		1	1				Present	56.72294581	-132.0566056							
M-AWC-DETAIL-1143	Aug 22, 2024 2:33:00 PM	Dolly Varden		present		1	1					56.72238281	-132.0576828							

Comments associated with AWC Observation Detail M-AWC-DETAIL-1136

Coho/Silver Salmon

Performed survey using minnow traps under aquatic resource permit SF2024-090. Six traps deployed, see field notes in photos.

Photo #210 - Image associated with AWC Observation Detail M-AWC-DETAIL-1136

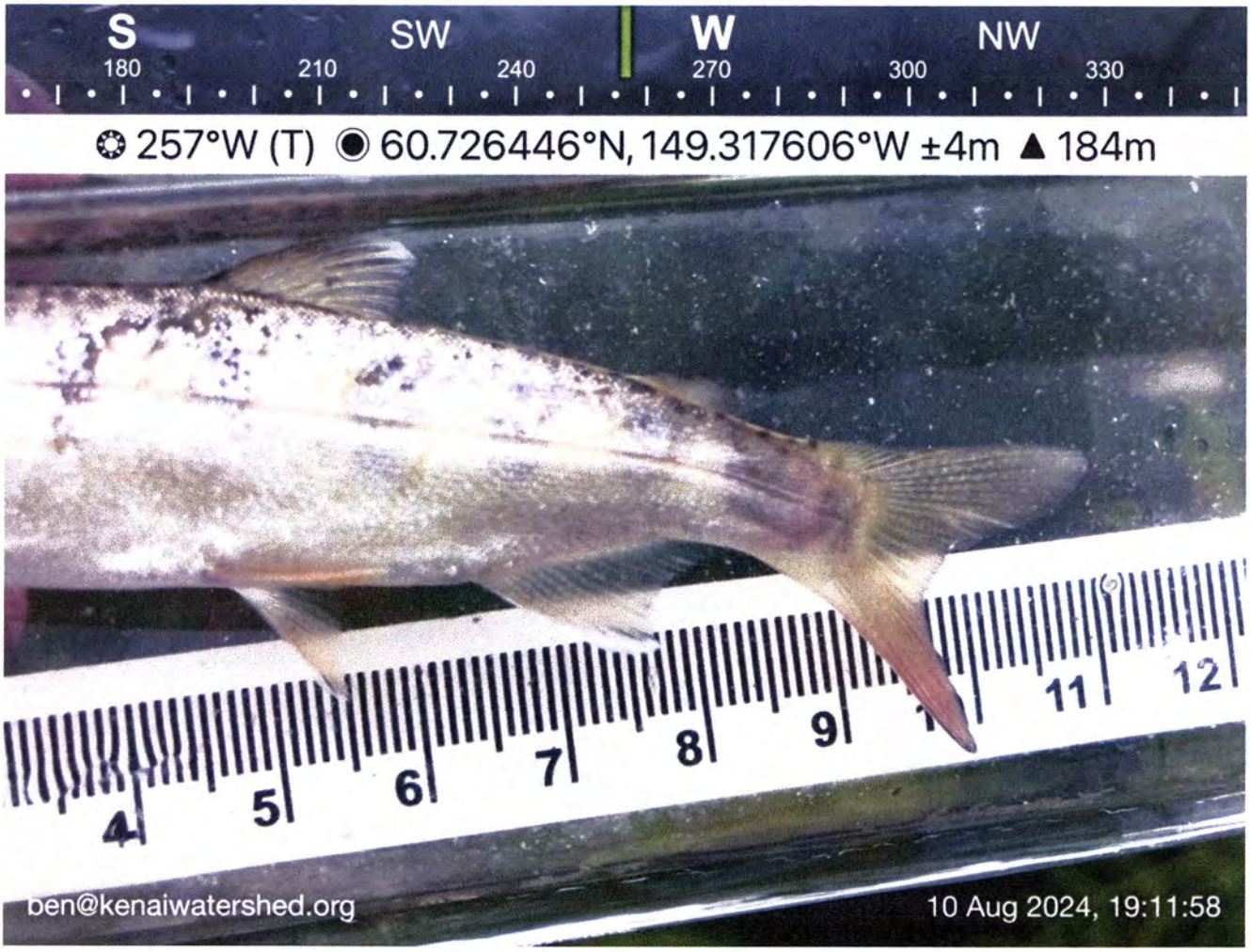


Photo #211 - Image associated with AWC Observation Detail M-AWC-DETAIL-1136

Photo #212 - Image associated with AWC Observation Detail M-AWC-DETAIL-1136

Photo #213 - Image associated with AWC Observation Detail M-AWC-DETAIL-1136

Kenai Watershed Forum
Anadramous Habitat Survey Field Form

Version 0.4 Updated 6/17/2021

Section F - Fish ID

Site	Start Date	End Date
Skilak Trib 2	8/10/24	8/10/24

Species	Lifestage	Count	Optional FL (mm)	Optional Weight (g)	Camera ID	Photo ID	Notes
coho	Parr	23			Reis Phone	Solocator	
↓	↓	35			↓	↓	
DV	Juv	2			↓	↓	

* Note: NHD does not cover full extent of lake on recommend using aerial imagery for AWC map

For Office Use	QC1	BM 20240811
	Data Entry	
	QC2	

Side B

www.kenaiwatershed.org

Photo #214 - Image associated with AWC Observation Detail M-AWC-DETAIL-1136

Kenai Watershed Forum — Version 0.4 Updated 6/17/2021

Anadramous Habitat Survey Field Form

Section A - Sample Event

Site Arrival Date	8/10/24	Site Depart Date	8/10/24
Site Arrival Time	12:20	Site Depart Time	7:15
Site	Sample TT16 2	Latitude	60.726715
Crew	BM	Longitude	-149.317621

Section B - Site Meaurements

Water				Air			
Water Temp	Unit	Instrument	Time	Air Temp	Unit	Instrument	Time
11.4	C	YSI ProQuatro	7:10 PM				

Section C - Sample Effort

Event	Start Date	Start Time	Stop Date	Stop Time	Gear Type	Gear Count	Fish Capture Count
1	8/10/24	12:25	8/10/24	6:50	MT	6	60
2							
3							
4							
5							
6							
7							
8							

Section D - Site Photos

Camera ID	Photo ID	Photo Notes
Ben's iPhone	Solocator	Facing Lake

Section E - Notes

General Notes

pH 8.58
DO 10.66 mg/L
Temp 11.4°C
spCond 90.0 mS/cm

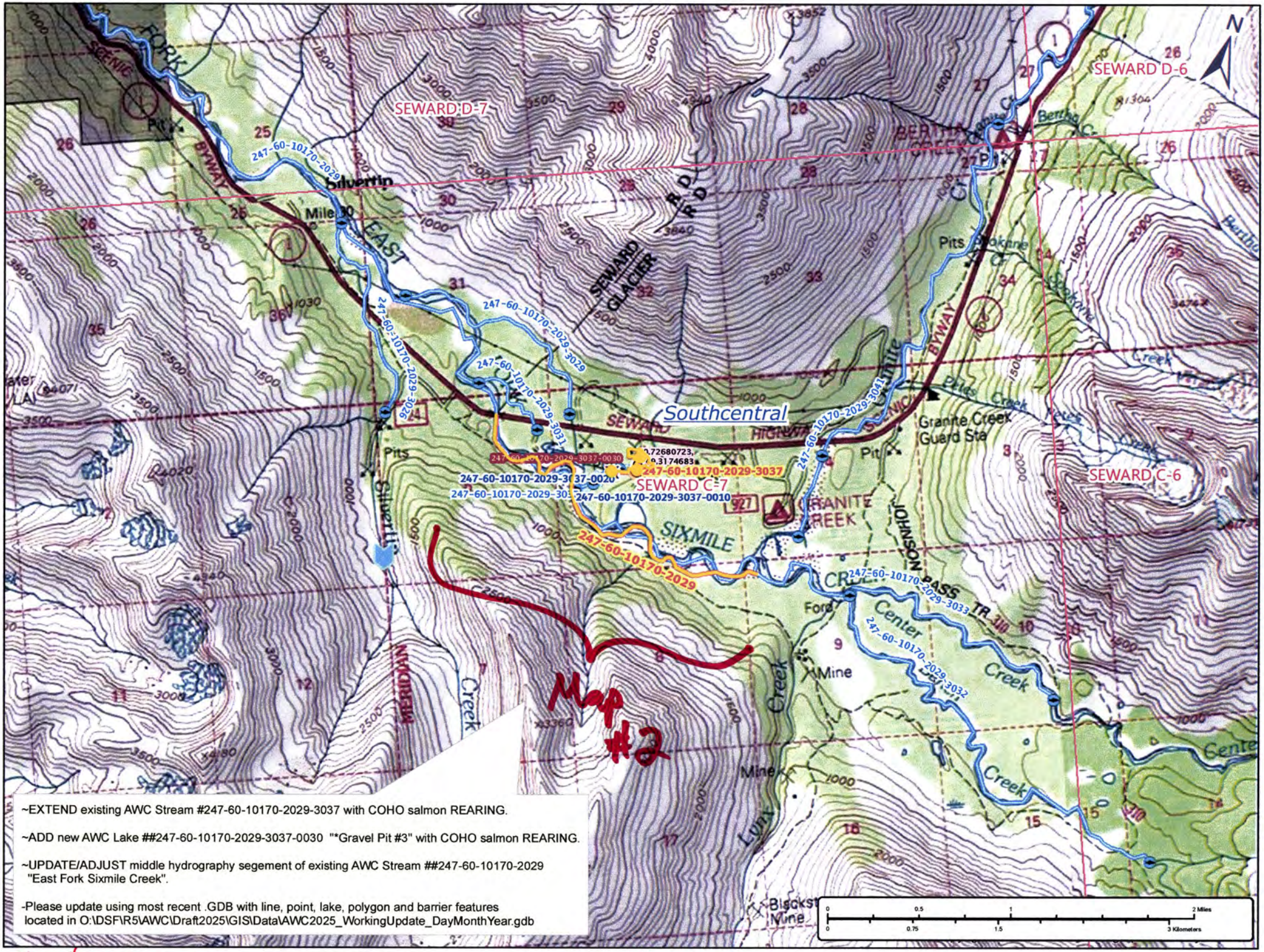
Man made lake in gravel pit. Small flow control structure at outlet; 12" height. Fish captured above flow control structure

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

Side A

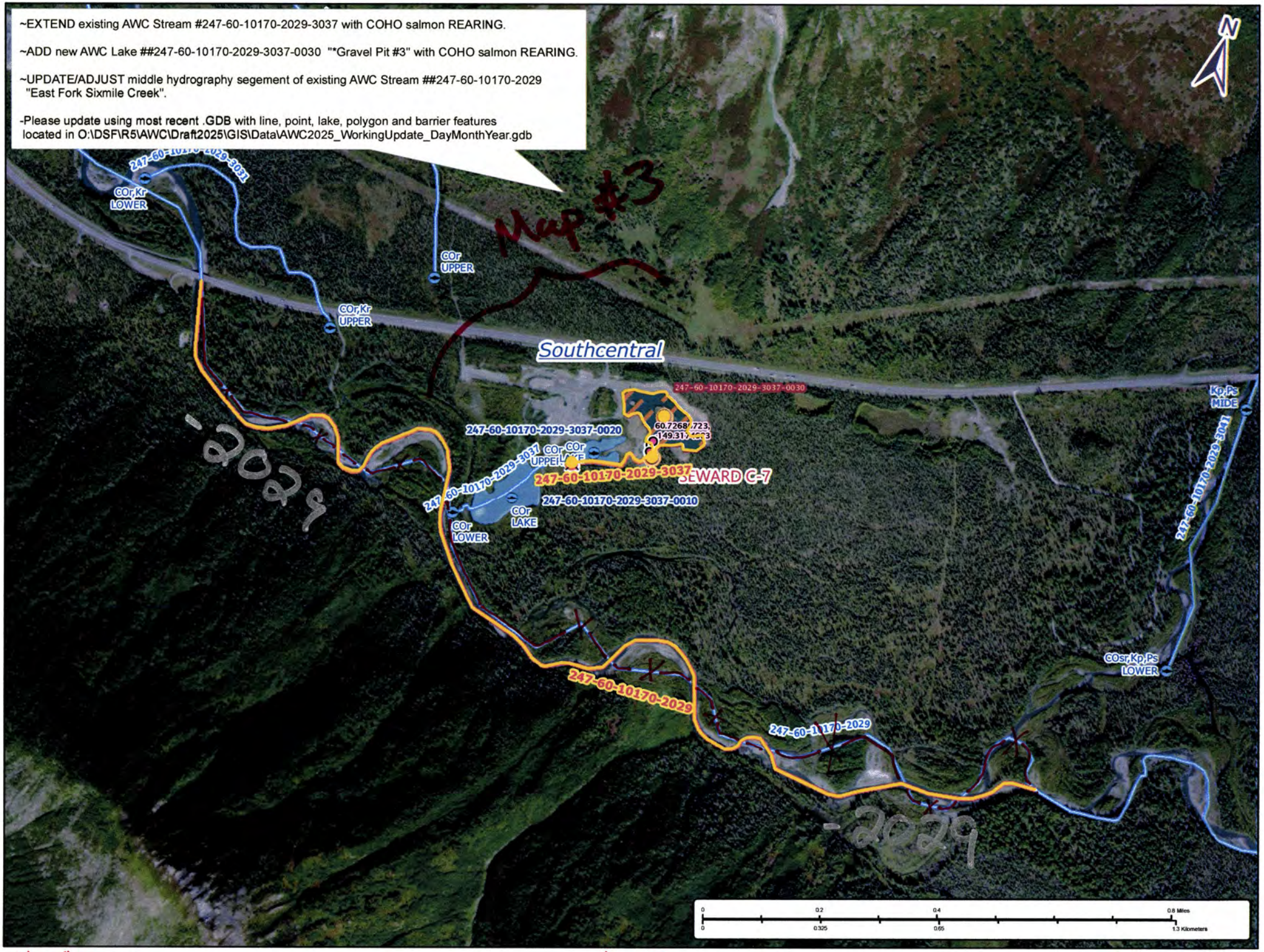
For Office Use		
	QC1	BM 2024-8-11
	Data Entry	
	QC2	

Photo #215 - Image associated with AWC Observation Detail M-AWC-DETAIL-1136



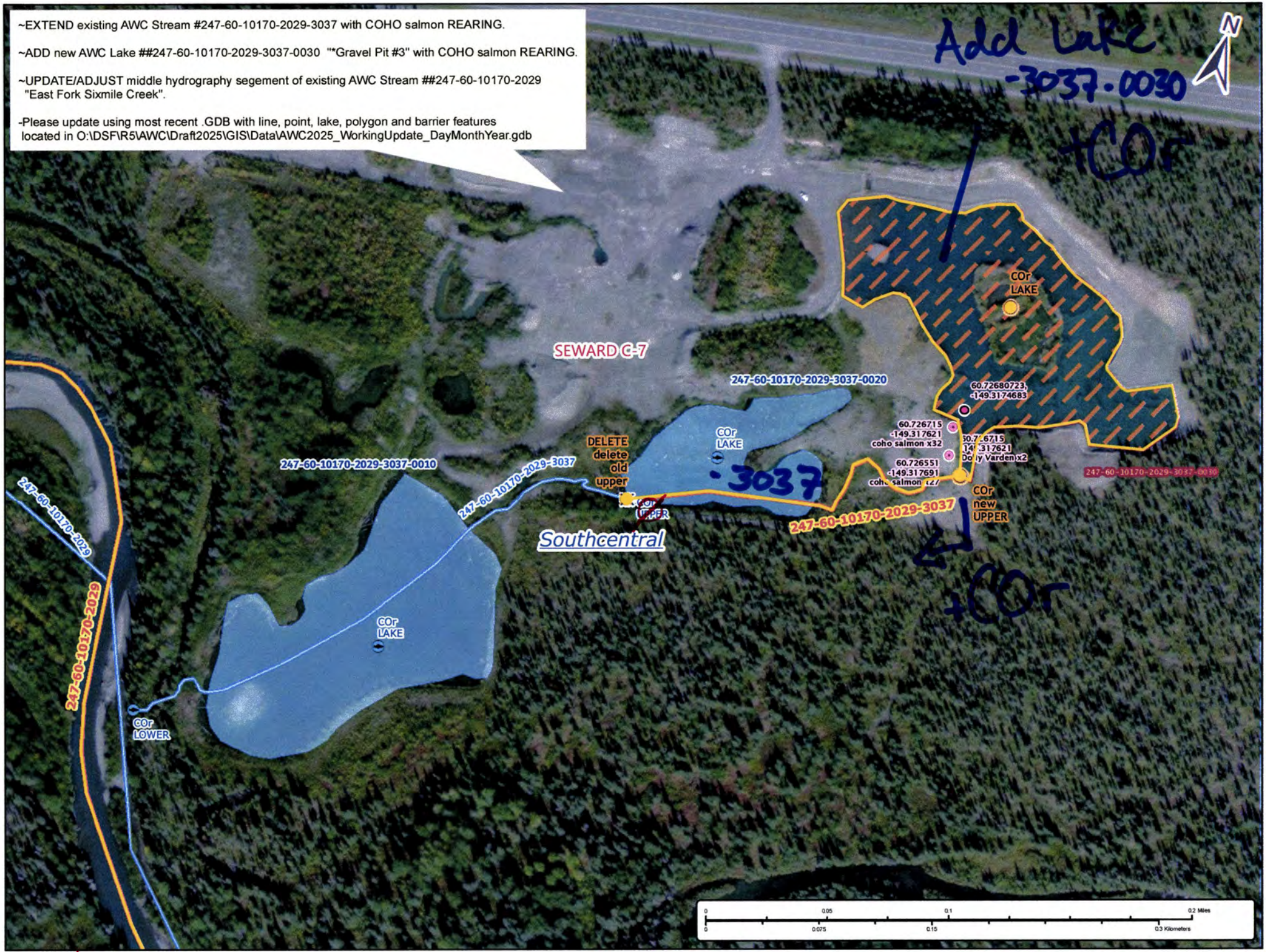
Nom #24-893

Map #1



Nom # 24-893

Map #2



Nom #24-893

Map #3