State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Anadromous Waters Catalog

Region: Southcentral

USGS Quad(s): TYONEK D-1

Anadromous Waters Catalog Number of Waterway: 247-41-10200-2170 - ~~2180~~

Name of Waterway: 197 1/2 Mile Creek

☑ USGS Name ☑ Local Name

☑ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

Nomination #	15-646	James J Hasbrouck, Fisheries Scientist	10/26/2015 Date
Revision Year:	2016	Habitat Operations Manager	10/26/15 Date
Revision to:	☒ Atlas ☒ Catalog	AWC Project Biologist	9 Sept 15 Date
Revision Code:	A-1, B-6	GIS Analyst	11 5 15 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
coho salmon	07/26/2015		✓	✓	✓

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.

Comments:

Slow moving flow with moderate to thick bank vegetation and side channels important for rearing juvenile coho salmon.
Six juvenile coho salmon (range 55 to 85 mm in FL) collected by minnow trap in main channel. No apparent blockages for fish passage.

Extend ~~Add new stream~~ 247-41-10200-2170-~~2180~~ w/ coho salmon Rearing/Present

Coordinates (Lat,Long): (61.90709,-150.06372)

Name of Observer (please print): David Waltemyer

Signature: 209.165.183.15 (Web Nomination) Date: 09/02/2015

Agency:

Address: 3900 C ST Suite 700
Anchorage, AK 99503

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 11/14

Name of Area Biologist (please print):

Stream Crossing Data Form

Date: 7/26/15	Investigators: NSS KCK DJW		Survey Type: ☒Full ☐Habitat
Site ID: 0150	GPS Unit #: 091	Lat: 61.90709	Long: -150.06372
Water Body Name: 197 1/2 Mile Creek			Air Temp: ____ °F ____ °C 18
Weather Conditions: ☐Clear ☐Partly Cloudy ☒Mostly Cloudy ☐Overcast	Precipitation: ☐Snow ☐Rain ☒Showers ☐Drizzle ☐None		

PHOTO NUMBERS:	ADDITIONAL PHOTOS (Describe; include at least one photograph of each anadromous species captured)
UP: 243	Tablet photos 0150-0150-3
DWN: 244	
LB: 245	
RB: 246	

Is this a defined stream channel or a wetland? ☒Stream Channel ☐Wetland (based on bed and bank) with wetland complex

WATER CHEMISTRY

Water Temp (°F or °C): 16	pH: NA	Specific Conductivity (µS/cm): NA	Ambient Conductivity (µS/cm): NA
ORP: NA	DO (mg/L): NA		Turbidity: light brown

STREAM ATTRIBUTES

☒Perennial ☐Seasonal	Bankfull Width (m / ft): 16	OHW Width (m / ft): 14	Wetted Width (m / ft): 12
Thalweg Depth (m/ft): 8"		Upwellings/Ground Water Seeps: ☐YES ☒NO	

RIPARIAN VEGETATION (Within 5m of active stream channel) (Total equals 100%)

LEFT BANK (Looking Downstream):	RIGHT BANK (Looking Downstream):
2 %Trees 8 %Shrubs 90 %Herbs 0 %Unvegetated	4 %Trees 8 %Shrubs 86 %Herbs 2 %Unvegetated

CHANNEL STRUCTURE (% of 100' corridor) (Total equals 100%)

0 %Riffles 100 %Runs 0 %Pools 0 % Standing Water | **STREAM GRADIENT** (☐Degrees or ☒%) 0

STREAM BANK STRUCTURE (% of 100' Corridor) (total can significantly exceed 100%)

LEFT BANK (Looking Downstream):	RIGHT BANK (Looking Downstream):
2 % Unvegetated	2 % Unvegetated
85 % Overhanging Vegetation	85 % Overhanging Vegetation
25 % Emergent/Aquatic Vegetation	25 % Emergent/Aquatic Vegetation
35 % Undercut Banks	35 % Undercut Banks
15 % Woody Debris/Roots	15 % Woody Debris/Roots
0 % Boulder/Cobble	0 % Boulder/Cobble
0 % Manmade (Type – i.e., riprap/ bridge/ culvert, etc.) TYPE____	0 % Manmade (Type – i.e., riprap/ bridge/ culvert, etc.) TYPE____

STREAM SUBSTRATE (% at Center Line) (Total equals 100%)

80 %Organic 15 %Silt 5 %Sand 0 % Gravel (2-64mm) 0 %Cobble (64-128mm) 0 %Boulder (256+mm) 0 %Bedrock

FISH PASSAGE/BLOCKAGES: ☐Perched Culvert (Distance Perched NA) ☐Fish Blockage (Type & Height NA)

HABITAT VALUE

SPAWNING: ☐ High ☐Mod ☒Low	**REARING:** ☐ High ☒Mod ☐Low	**OVERWINTERING:** ☐ High ☐Mod ☒Low

POTENTIAL OVERWINTERING HABITAT

Within 600' Below Downstream Corridor Boundary: ☐YES ☐NO | Dominant Substrate:

Lat/Long:	Depth at OHW:	Lat/Long:	Depth at OHW:
none			

SAMPLING METHODS USED

☐ELECTROFISHER	Number of Seconds Electrofished (min 300s):	
Power (W=V*A):	Frequency (Hz): 30	
Volts (V):	Current (A=W/V):	Permit Req'd Reach Length (40 X Channel Wetted Width; min 150m, max 300m):
Duty Cycle (%): 12	Waveform: Std Pulse; DC	Ambient Conductivity (µS/cm):
Actual Sample Reach Length:		Sampling Reach Efficiency (%)
Beginning Lat/Long:		Ending Lat/Long:

☒MINNOW TRAPS Set Time/Date: 1000 / 7/26/15 | Pull Time/Date: 10:45 7/26/15 | Total Soak Time (hrs:min): 90 min

☐HOOK AND LINE Number of Lines: | Number of Minutes Fished: | Gear/Bait Used:

☐BEACH SEINE (# of Hauls): | Time Spent Seining (min/hrs):

MT#1 in a side isolated slough/pond

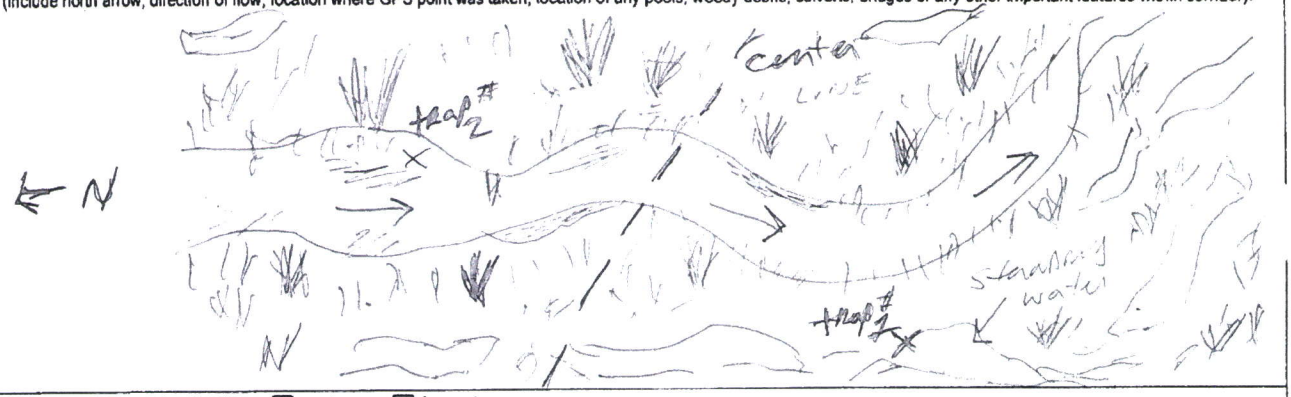
MT#2 61.772709 -150.12461

Stream Crossing Data Form

FISH SPECIES	GEAR TYPE	FORK LENGTH
Coho	MT#2	(6)
		Fish 1 85mm
		2 80mm
		3 55 mm
		4 55 mm
		5 60 mm
		6 72 mm
GPS LAT 61.90709 LONG 150063FZ		

FISH SPECIES	GEAR TYPE	FORK LENGTH

PLAN VIEW (include north arrow, direction of flow, location where GPS point was taken, location of any pools, woody debris, culverts, bridges or any other important features within corridor):



PROFILE VIEW AT C_L - Direction looking: ☐upstream ☐downstream

COMMENTS:

* wetland complex with stream channel, aquatic
* slow flow stream with moderate vegetation and side channels
* coho salmon juveniles captured in main channel and not in side channel that was blocked off by low water between mounds of tussuck and vegetative creek banks.
* stream banks 2-3' grade on side banks

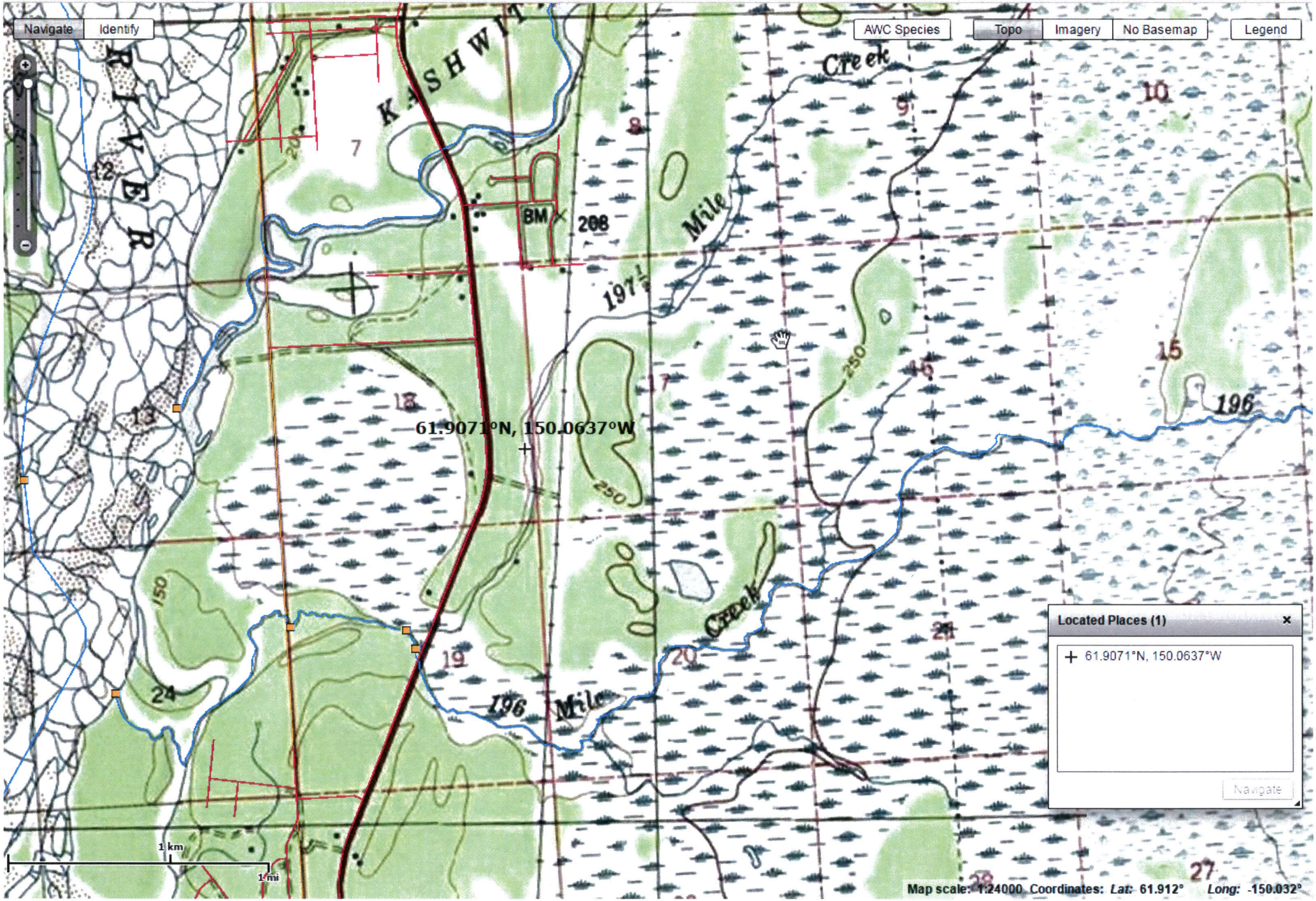
Date 04/02/2014 (revised)

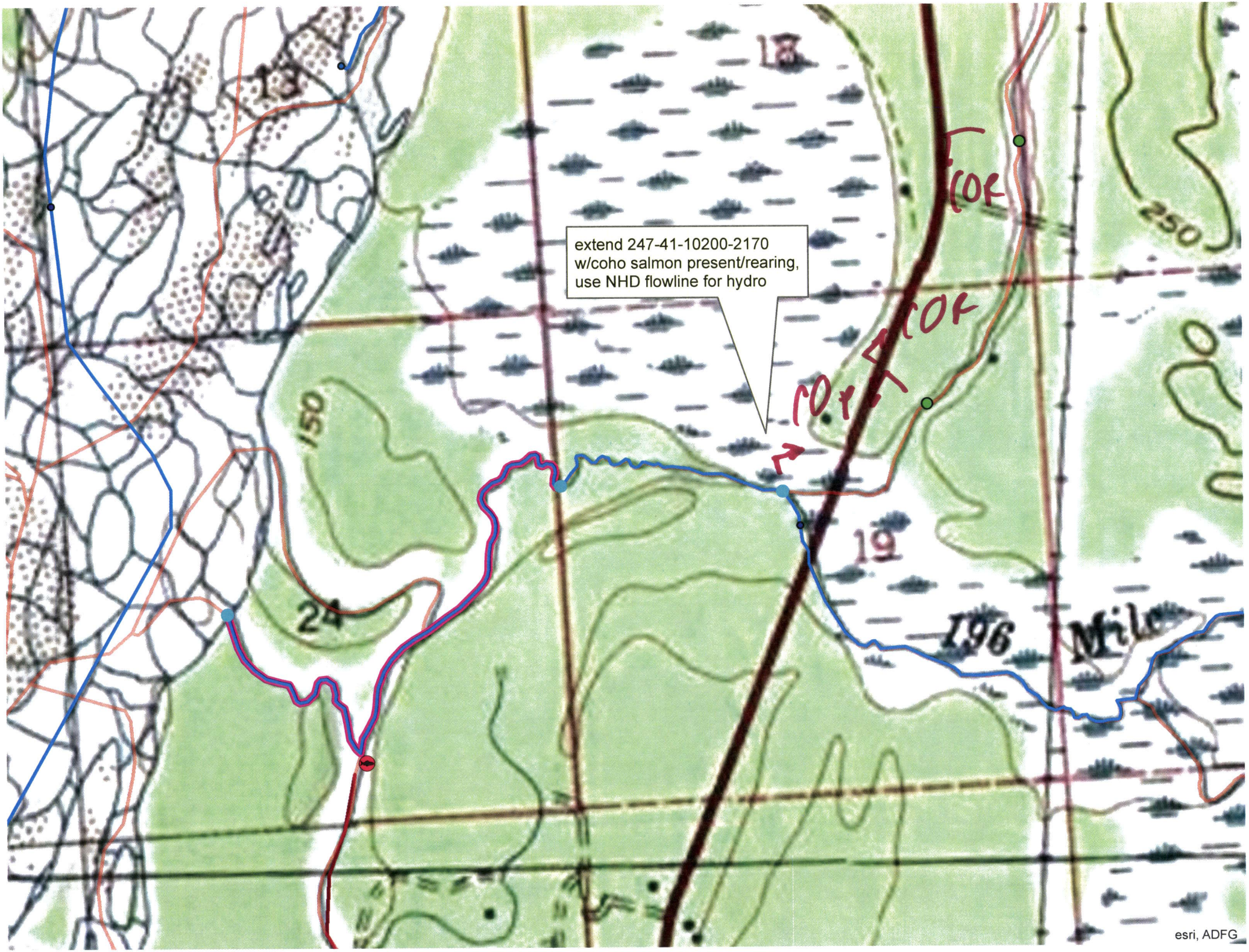
Fish Resource Monitor
Alaska Dept. of Fish And Game

Anadromous Waters | Fish Passage | Fish Inventory

AWC Overview | Sport Fish Home | User Guide | Feedback | About

61.90709, -150.06372 | Locate




extend 247-41-10200-2170
w/coho salmon present/rearing,
use NHD flowline for hydro
18
13
19
24
150
250
196 Mile
esri, ADFG