



State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Anadromous Waters Catalog



Region Southeastern USGS Quad(s) Sitka-A-4
 Anadromous Waters Catalog Number of Waterway 113-41-10190 -2019-3015
 Name of Waterway Indian River Tributary 5 USGS Name Local Name
 Addition Deletion Correction Backup Information

For Office Use

Nomination # <u>12-521</u>	<u>CP</u> Fisheries Scientist Date <u>12/2/12</u>
Revision Year: <u>2013</u>	<u>[Signature]</u> Habitat Operations Manager Date <u>11/2/12</u>
Revision to: Atlas _____ Both <u>X</u>	<u>[Signature]</u> AWC Project Biologist Date <u>10/25/12</u>
Revision Code: <u>A-2</u>	<u>[Signature]</u> Cartographer Date <u>11/13/12</u>

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
coho salmon	06/21/2012		✓	✓	✓

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:

Coordinates (Lat,Long): Upper(57.064452,-135.30522) Lower(57.064269,-135.305118)

Add new stream w/coho salmon rearing

Name of Observer (please print): Matthew Kern Date: 09/04/2012
 Signature: 146.63.61.200 (Web Nomination)
 Agency: _____
 Address: 1416 3rd St 1416 3rd St
Douglas, AK 99824

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 02/08
 Name of Area Biologist (please print): _____

Indian River Tributary Addition 5

Stream: Indian River: 113-41-10190 – Addition 5

Watershed: Billy Basin

USGS Quadrangle: Sitka-A-4

MTRS: Section: 30, 31 Township: 55S Range: 63 E

Date Surveyed: June 21, 2012

Findings: This stream provides good habitat near its confluence with the main Indian River Tributary 1, then quickly picks up gradient and becomes a narrow incised channel. We caught many Dolly Varden char above the steep section where it flattens out again, but no coho were found.

Recommendations: We recommend adding this stream course to the Anadromous Waters Catalog.

Nomination form submitted: Yes

Nomination Status:

Notes:

Table 1. Survey notes from June 21st survey of the Indian River area.

Waypoint	lat	lon	Notes	Sample Effort	Sample Results
84	57.062936	-135.305274	Trib entering Indian River on River right. Trail crosses trib about 150 m upstream, Continue to track and e-fish upstream. Settings 400V, 30 Hz, 16% duty cycle		
85	57.062913	-135.305296	Small trib enters on River right. Continue tracking		
86	57.062966	-135.305445	Stopped electrofishing. Water continues in small pools. Appears water is influenced by high water and rain. Possible future investigation. Will continue on main trib.	electrofishing	no fish
87	57.063354	-135.305387	Trail crossing. Picture 0272. Tannic water. Continuing upstream		
88	57.063906	-135.305293	Trib enters on River right. Higher gradient, cobble, small cascades and pools.		
89	57.063963	-135.305315	We measured most of the coho today and approximated (~) the length of DV. Caught 2 DV ~ 50 mm, 1 coho 78 mm.	electrofishing	2 DV ~ 50 mm, 1 coho 78 mm
90	57.063972	-135.30536	Caught 1 DV 47 mm	electrofishing	1 DV 47 mm
91	57.063995	-135.305446	Caught 1 DV 50 mm		1 DV 50 mm
92	57.064057	-135.305568	Caught 1 DV		1 DV
93	57.064076	-135.305606	Photo 0273- Siphons higher gradient. Caught 1 DV ~ 40 mm		1 DV ~40 mm

94	57.064054	-135.305774	End of survey area. Site for possible investigation		
95	57.064056	-135.305485	Caught 1 DV ~ 55 mm, 1 coho 71 mm. Conclusion two coho on steep trib!! Picture 0274. Will continue to survey main tributary.	electrofishing	1 DV ~ 55mm, 1 coho 71 mm
96	57.064269	-135.305118	Trib enters on river right. Picture . Will continue tracking upstream		
97	57.064285	-135.305192	Caught 1 coho ~ 69 mm, 2 DV ~ 58 and ~ 52 mm	electrofishing	1 coho ~ 69 mm, 2 DV ~ 58 and 52 mm
98	57.064384	-135.305219	Caught 1 coho ~ 55 mm, 2 DV, DV ~ 28 mm	electrofishing	1 coho ~ 55 mm, 2 DV ~ 28 mm
99	57.064452	-135.305222	Caught 2 DV ~ 70 mm, 1 coho ~ 71 mm	electrofishing	2 DV ~ 70 mm, 1 coho ~ 71 mm
100	57.064569	-135.305376	Caught 1 DV	electrofishing	1 DV
101	57.064617	-135.305435	Caught 1 DV	electrofishing	1DV
102	57.064677	-135.305631	Trib becomes narrower, steeper gradient. Caught 1 DV. Will continue tracking and fishing upstream. Many small pools with small waterfalls between.	electrofishing	1 DV
103	57.064778	-135.305918	Photo 0276		
104	57.064753	-135.306034	Caught 2 DV ~ 55-66 mm	electrofishing	2 DV ~55-66 mm
105	57.064713	-135.306182	Caught 1 DV	electrofishing	1 DV
106	57.064651	-135.306377	Gradient continues but pools are longer and less riffles. Caught 1 DV ~ 63 mm	electrofishing	1 DV ~ 63 mm
107	57.064628	-135.307084	Caught 1 DV	electrofishing	1 DV
108	57.064639	-135.307184	Caught 1 DV	electrofishing	1 DV
109	57.064687	-135.307284	Caught 1 DV	electrofishing	1 DV
110	57.064716	-135.307319	End of survey. Habitat is good but very unlikely coho will be present given due to the lack of coho fishing success. Future investigation.		
111	57.064341	-135.305217	Continue tracking upstream on main trib.		
112	57.064633	-135.304827	Trib enters on River right. Will track and fish upstream. Caught 1 coho 62 mm	electrofishing	1 coho - 62 mm
113	57.064677	-135.304587	Caught 1 Coho 33 mm	electrofishing	1 coho - 33 mm
114	57.064738	-135.304565	Caught 5 coho 32-48 mm.	electrofishing	5 coho - 32-48 mm
115	57.064817	-135.304585	Caught 2 DV. Very low water movement	electrofishing	2 DV
116	57.064856	-135.304597	Caught 3 coho ~ 25 mm, 1 DV ~ 33 mm	electrofishing	3 coho ~ 25 mm, 1 DV ~ 33 mm
117	57.06499	-135.304487	Caught 1 coho 59 mm	electrofishing	1 coho - 59 mm
118	57.065021	-135.304448	Caught 1 coho 50 mm	electrofishing	1 coho - 50 mm
119	57.065426	-135.305028	End of survey section. Picture 2083. Low water, vegetated channel, somewhat disconnected.		

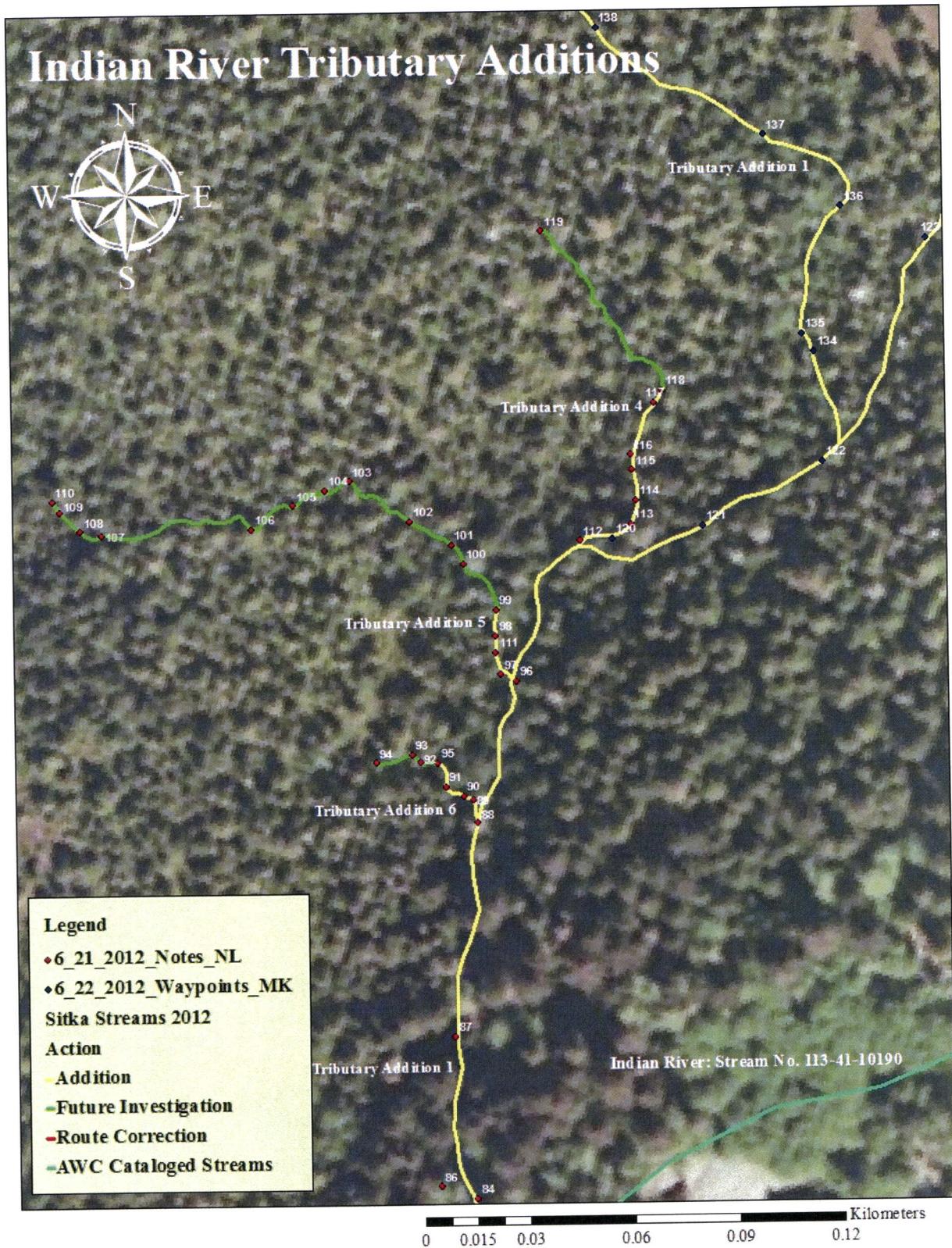
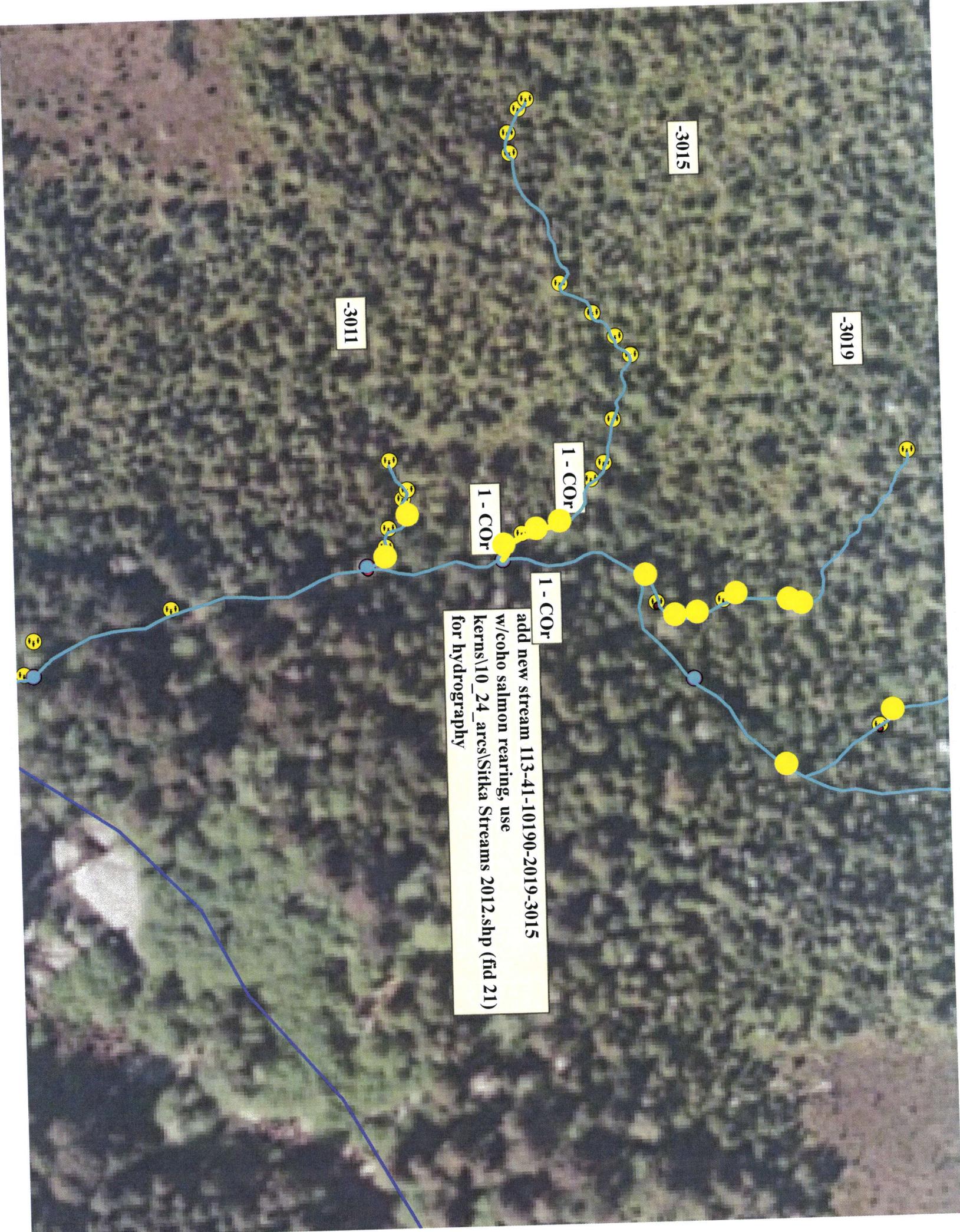


Figure 1. Map of Indian River Tributary network. Indian River Tributary 5 begins at WPT 96, and the upper extent of anadromous fish presence was WPT 99. Channel steepens and narrows near WPT 101.



-3015

-3019

-3011

1 - COR

1 - COR

1 - COR

add new stream 113-41-10190-2019-3015
w/coho salmon rearing, use
kerns\10_24_arcs\Sitka Streams 2012.shp (fid 21)
for hydrography