



State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Anadromous Waters Catalog

E

Region Southeastern USGS Quad(s) Sitka-A-4
 Anadromous Waters Catalog Number of Waterway 113-41-10190 -2022
 Name of Waterway Indian River Tributary 10 USGS Name Local Name
 Addition Deletion Correction Backup Information

For Office Use

Nomination # <u>12-528</u>	<u>[Signature]</u> Fisheries Scientist	<u>11/2/12</u> Date
Revision Year: <u>2013</u>	<u>[Signature]</u> Habitat Operations Manager	<u>11/2/12</u> Date
Revision to: Atlas _____ Both <u>X</u>	<u>[Signature]</u> AWC Project Biologist	<u>10/26/12</u> Date
Revision Code: <u>A-2d</u>	<u>[Signature]</u> Cartographer	<u>11/13/12</u> Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
coho salmon	06/20/2012		✓	✓	✓

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(57.065094,-135.296105) Lower(57.064975,-135.29613)
Add new stream ≤ 660 FT w/coho salmon rearing

Name of Observer (please print): Matthew Kern
 Signature: 146.63.61.200 (Web Nomination) Date: 09/06/2012
 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): _____

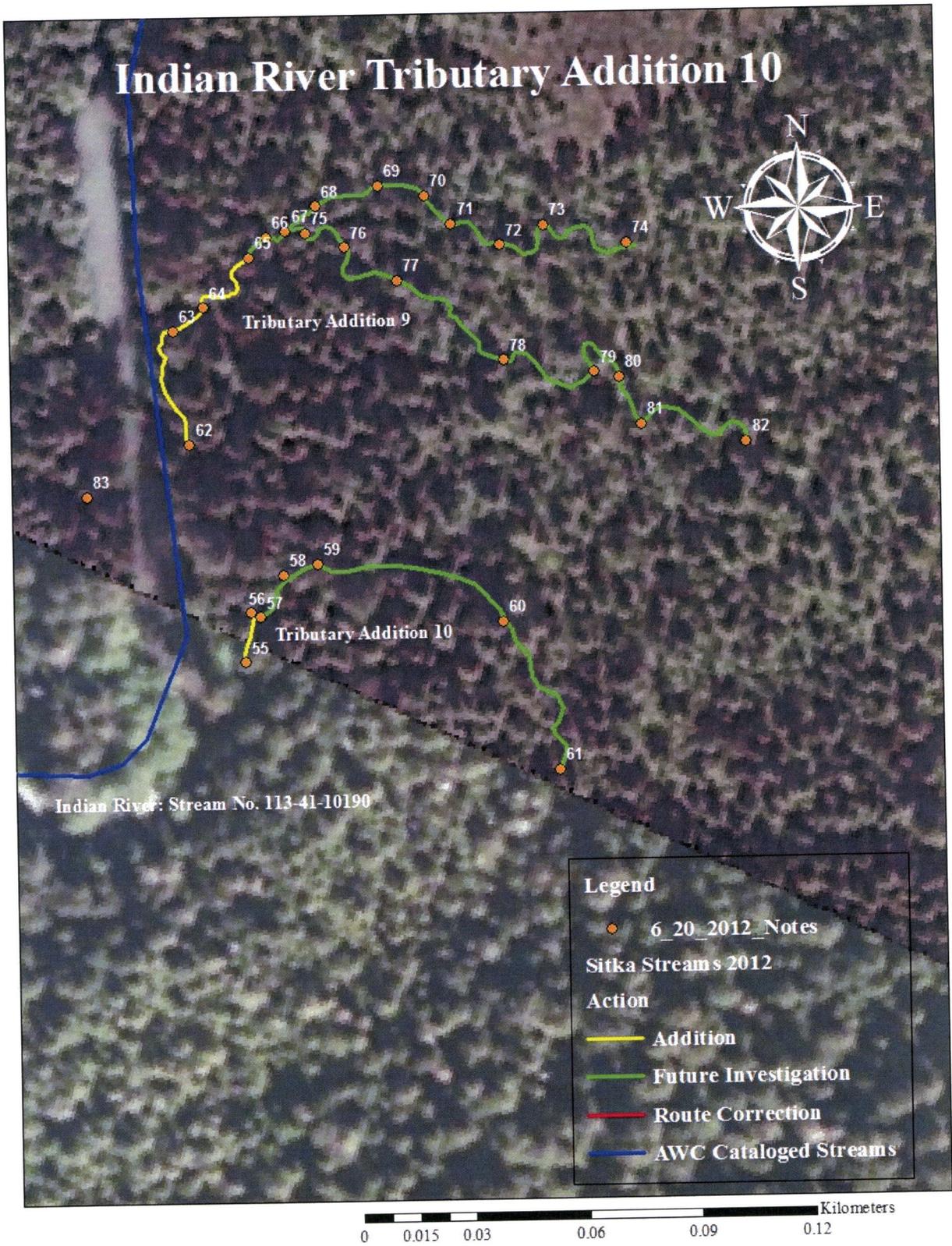


Figure 1. Map of Indian River Tributary Addition 10. The Indian River Tributary Addition 10 begins at WPT 55, and ends at WPT 56.

Indian River Tributary Addition 10

Stream: Indian River: 113-41-10190 – Addition 10

Watershed: Billy Basin

USGS Quadrangle: Sitka-A-4

MTRS: Section: 31 Township: 55 S Range: 64 E

Date Surveyed: June 20, 2012

Findings: This short stream provides excellent rearing habitat for coho salmon and Dolly Varden char.

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

Nomination form submitted: Yes

Nomination Status:

Notes:

Table 1. Survey data from June 20, 2012.

Waypoint	lat	lon	Notes	Sample Effort	Sample Results
54	57.059516	-135.306673	Beginnig survey-tracking up river left side looking for tribs		
55	57.064975	-135.29613	Tributary enters on River left-begin fishing and tracking upstream. Small tributary with more tannic water-low gradient at confluence but looks steeper upstream. Captured 1 coho ~ 45 mm, 1 DV ~ 50 mm, 2 DV ~ 45-55 mm. Continuing upstream	electrofishing	1 coho~ 45mm, 1 DV ~ 50 mm, 2 DV ~ 45-55 mm
56	57.065094	-135.296105	Continuing upstream. Caught 1 coho ~ 45 mm.	electrofishing	1 coho~ 45mm
57	57.065084	-135.296066	Pocket?		
58	57.065185	-135.295964	Caught 2 DV ~ 75 mm	electrofishing	2 DV ~ 75mm
59	57.065213	-135.295817	Caught 2 DV ~ 45-65 mm. Continue upstream	electrofishing	2 DV ~45-65 mm
60	57.065079	-135.295003	Caught 2 DV ~ 60-80 mm. Continue upstream	electrofishing	2 DV ~ 60-80 mm
61	57.064726	-135.294747	Calling it the top- gradient steadily increases and many narrow incised bedrock waterfalls with few resting holes appears to block anadromy. Back to mainstem to seek more tribs. WX update: blue skys above.		
62	57.065493	-135.296381	Tributary enters on River left. Begin fishing and tracking upstream.		
63	57.065763	-135.29646	400 V, 30 Hz, 16% duty cycle. Continuing upstream. Habitat looks good, low gradient, many pools. Caught 3 coho ~ 35-45 mm, 1 DV.	electrofishing	3 coho ~35-45 mm, 1 DV

Indian River Tributary Addition 10

64	57.06582	-135.296325	Caught 2 DV ~ 35-45 mm and 1 DV ~ 60 mm. Continuing upstream	electrofish	2 DV ~ 35-45 mm, 1 DV ~ mm
65	57.065941	-135.296131	See photos (belly to belly photo)	electrofish	1 coho, 1 DV
66	57.065989	-135.296052	tributary enters on River Right-begin tracking and e-fishing upstream		
67	57.066005	-135.295968	captured 2 DV, 30-40mm, continue upstream	electrofish	2 DV ~30-40
68	57.066064	-135.29584	captured 2 DV, 50-60mm, continue upstream	electrofish	2 DV ~50-60
69	57.066115	-135.295568	efished 1 DV ~40mm, continuing upstream, habitat quality decreasing, more gradient, less water flow. Probably call it soon	electrofish	1 DV ~40mm
70	57.066091	-135.295361	2 DV captured ~35-55mm, continuing upstream	electrofish	2 DV ~35-55mm
71	57.066026	-135.295243	2 DV captured with efishing, both 35mm, 1 DV 40mm, continuing upstream	electrofish	2 DV ~35mm, 1 DV ~40mm
72	57.065976	-135.295033	2 DV captured, 45mm, continue upstream, gradient has leveled out, but no cohos since it branched off	electrofish	2 DV ~45mm
73	57.066024	-135.29484	2 DV captured ~35-50mm	electrofish	2 DV ~35-50
74	57.065984	-135.294476	calling it the top-steeper gradient, channelized, no coho since trib forked from main tributary, returning to mainstem of tributary		
75	57.065999	-135.295881	2 DV efished, 60-65mm, continuing upstream	electrofish	2 DV ~60-65mm
76	57.065967	-135.295708	1 DV captured ~40mm, beautiful habitat, many large undercut banks, not very much flow through	electrofish	1 DV ~40mm
77	57.06589	-135.29548	captured 2 DV 35-45mm, continuing upstream	electrofish	2 DV ~35-45mm
78	57.065702	-135.295007	2 DV captured 70-100mm, stream becoming narrower, still no barrier, resuming tracking upstream	electrofish	2 DV ~70-100mm
79	57.065676	-135.294613	2 DV 50-60mm efished, resuming upstream, near top of upper extent of fishable habitat	electrofish	2 DV ~50-60mm
80	57.065664	-135.294506	1 DV 45mm, continue upstream	electrofish	1 DV ~45mm
81	57.065553	-135.294406	1 DV 39mm, continue upstream	electrofish	1 DV ~39mm
82	57.065514	-135.293945	calling it the top of our survey, flow goes underground, no sight or sound of salmonids other than dollies for a long time. Very low flow. Returning to mainstem.		
83	57.065366	-135.296828	point on trail to return to tomorrow!		

-2024

add new stream < 600 ft 113-41-10170-2022
w/coho salmon rearing, use
kerns\10_24_arcs\Sitka Streams 2012.shp
(fid 26) for hydrography

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