



State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Anadromous Waters Catalog



Region Southeastern USGS Quad(s) Sitka-A-5

Anadromous Waters Catalog Number of Waterway 113-41-10170-2008

Name of Waterway _____ USGS Name Local Name
 Addition Deletion Correction Backup Information

For Office Use

Nomination #	<u>12-569</u>	<u>[Signature]</u>	<u>11/2/12</u>
		Fisheries Scientist	Date
Revision Year:	<u>2013</u>	<u>[Signature]</u>	<u>11/2/12</u>
		Habitat Operations Manager	Date
Revision to:	Atlas _____ Both <u>X</u>	<u>[Signature]</u>	<u>10/20/12</u>
		AWC Project Biologist	Date
Revision Code:	<u>D-1, C-9</u>	<u>[Signature]</u>	<u>11/19/12</u>
		Cartographer	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
coho salmon	05/15/2012		✓	✓	✓

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(57.118119,-135.377964) Lower(57.103434,-135.388838)
Revise hydrography, reposition pts, shorten stream

Name of Observer (please print): Matthew Kern
 Signature: _____ Date: 09/25/2012
 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): _____

Stream No. 113-41-10170-2008 Route Correction

Stream: Granite Creek Tributary: 113-41-10170-2008

Watershed: Sitka Sound – Frontal Pacific Ocean

USGS Quadrangle: Sitka-A-5

MTRS: Section: 10, 15 Township: 55 S Range: 63 E

Date Surveyed: May 15-17 & June 7, 2012

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

Recommendations: We recommend correcting this stream course in the Anadromous Waters Catalog.

Nomination form submitted: Yes

Nomination Status:

Notes:

Table 1. Survey notes from Stream No. 113-41-10170-2008.

Waypoints	lat	lon	Notes	Sample_Eff	Sample_Res
001	57.101677	-135.401427	Mouth of the creek braided at the end. See photos (3)		
002	57.101433	-135.400445	Tributary river right with high turbidity and heavy iron concentrations. Very orange color. See photos (3).		
003	57.101255	-135.399690	200v, 30Hz and 25% duty cycle. Coho in tributary and it rolled hard, changed volts to 150v. Tributary becomes braided here. Volt back to 175v.	Electrofisher	1 Coho
004	57.101297	-135.399343	Coho about 65mm and about 70 DS of HPR and about 30 US one Dolly Varden about 90mm.	Electrofisher	1 Coho about 65mm and 1 Dolly Varden about 90mm
005	57.101403	-135.399087	Two Coho with one being 65mm and other 95mm. See photos (1). This is where creek comes from under HPR see photo (1).	Electrofisher	2 Coho between 65mm and 95mm
006	57.101441	-135.398699	One Coho about 80mm	Electrofisher	1 Coho about 80mm
007	57.103136	-135.397492	Upper extent of tributary. Comes as drainage from the golf course. See photos (2).		
008	57.102968	-135.398097	Drainage from golf course runs into culvert, see photos (1). Small creek enters on river right, drainage from wetlands.		
009	57.100983	-135.398420	Creek crosses under HPR, see photos (2)		
010	57.103417	-135.389777	Tributary on river right, comes from 2 perched culverts under the road about 50ft from creek.		
011	57.103434	-135.388838	Fork in creek river right is cataloged river left is not. We are headed up river left. Main fork see photo (1). Up to 300v.		
012	57.103367	-135.388396	Possible velocity barrier, see photos (2).		

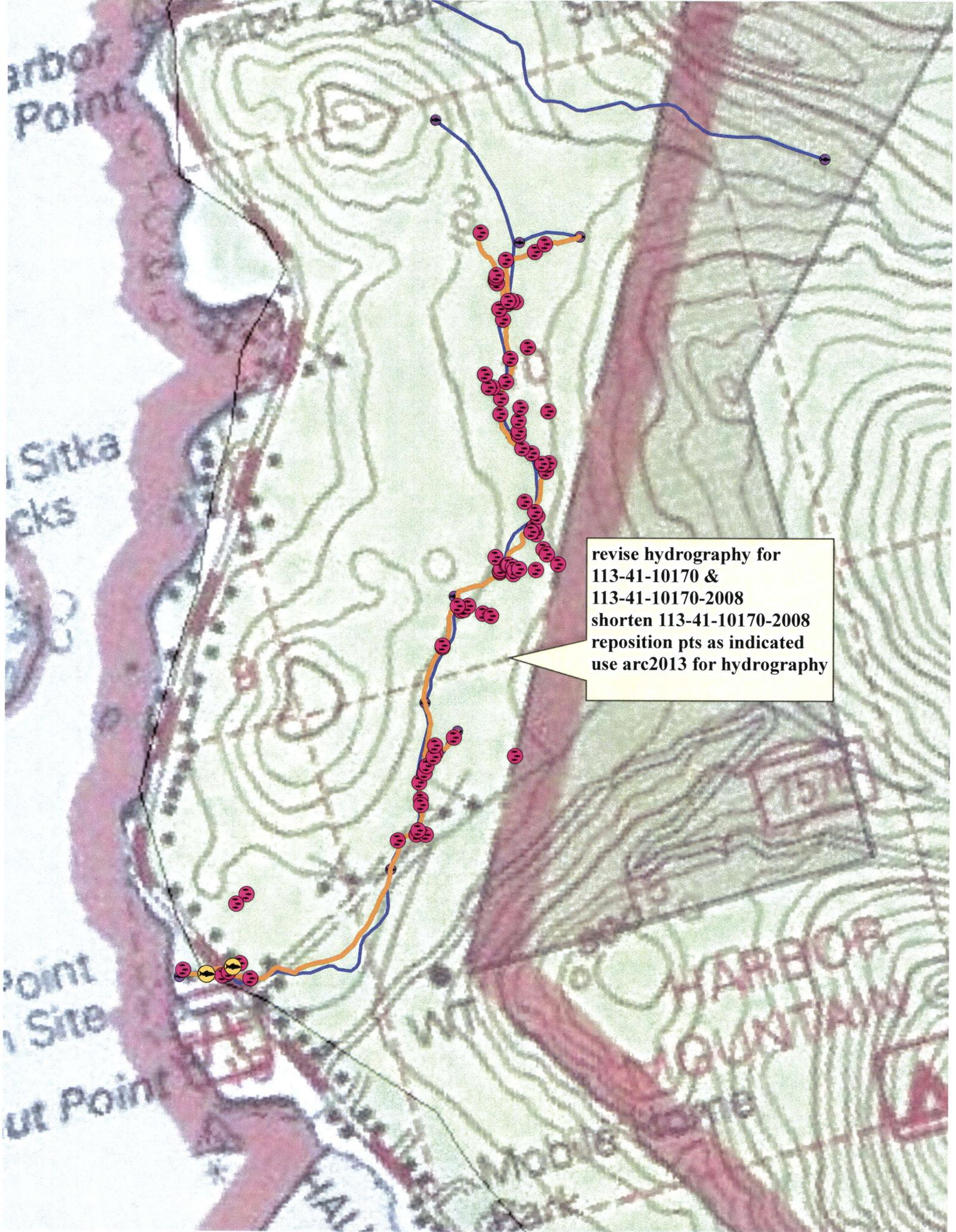
013	57.104708	-135.383238	End of potential anadromous waters on Granite Creek. Huge waterfall! This stretch would be awesome habitat if fish could get up here mitigation opportunity!		
014	57.104288	-135.388181	Inlet of huge culvert under quarry road. This is the cataloged tributary on Granite Creek. Heading up.		
015	57.104720	-135.388023	Nasty little feeder stream, lots of milky solids in the water. Took a picture and waypoint. See photo (1).		
016	57.104922	-135.387649	Excavated pond on river right, lots of vegetation.		
017	57.105343	-135.386889	Muddy little ditch cataloged to settling ponds, between river.		
018	57.105084	-135.387469	Pocket dial		
019	57.105259	-135.387033	Little feeder creek meets Granite Creek tributary.		
020	57.105547	-135.386813	Two Coho at dogleg in little leech creek.	Electrofisher	2 Coho
021	57.107963	-135.385167	Top of little leech creek. No more Coho.		
022	57.108002	-135.385153	Small tributary on river right. See book photo.		
023	57.108759	-135.383836	Outlet of stream (tributary) into Granite Creek, big tributary leading up to shock.		
024	57.108759	-135.383680	Captured two tiny Dolly Varden in this tributary. Turned volts down to 325v. Just captured one Coho.	Electrofisher	1 Coho and 2 tiny Dolly Varden
025	57.108524	-135.382854	Old logging road crossing the stream. We haven't caught any Coho, just Dolly Varden.	Electrofisher	Dolly Varden
026	57.108410	-135.382511	Ending tributary survey.		
027	57.105611	-135.385832	Outlet of 2 pipes in quarry. 2 big smolt Coho!! This stream leads to two settling ponds that are connected by a battery of 3 plastic pipes. Drawing in notes.	Electrofisher	2 big Coho smolts
029	57.104144	-135.388236	Back on main quarry roadà Heading back down the Granite Creek tributary.		
030	57.103529	-135.388700	Back at confluence of Granite.		

Waypoints	lat	lon	Notes	Sample_Eff	Sample_Res
031	57.108825	-135.383438	Resuming E-fishing on river left tributary to Granite Creek. Settings: 310v, 30Hz and 25% duty cycle.		
032	57.108894	-135.383922	Very small inlet stream on river right. No fish habitat.		
033	57.109439	-135.381531	Tributary enters river right. Begin tracking and shocking upstream.		
DSC00257	57.109471	-135.381512			

034	57.109474	-135.381514	Captured one Coho about 40mm, continuing upstream.	Electrofisher	1 Coho about 40mm
035	57.109523	-135.381441	Captured one Coho about 45mm in small pool. Continuing upstream.	Electrofisher	1 Coho about 45mm
036	57.109854	-135.381535	Upper extent of potential fish habitat. Gradient increases with very low flows.		
037	57.109565	-135.381123	Tributary enters on river left. Begin shocking and tracking upstream.		
038	57.109572	-135.381058	Two Coho captured between 45-55mm.	Electrofisher	2 Coho between 45-55mm
039	57.109570	-135.381027	Pocket dial		
040	57.109482	-135.380859	One Coho about 38mm captured.	Electrofisher	1 Coho about 38mm
041	57.109301	-135.380922	Small tributary enter on river left. One Dolly Varden about 35mm captured. Shocking and tracking up smaller side first.	Electrofisher	1 Dolly Varden about 35mm
042	57.109390	-135.380827	Top of smaller tributary - disconnected pools above. Back to main tributary (notice WPT order got messed up)		
043	57.109383	-135.380596	One Coho captured and about 50mm. Continuing up tributary.	Electrofisher	1 Coho about 50mm
044	57.109243	-135.379834	Gradient barrier		
045	57.110232	-135.379548	Tributary with moderate flow enters on river left. Tracking and e-fishing up.		
046	57.110219	-135.379365	One Dolly Varden about 50mm captured.	Electrofisher	1 Dolly Varden about 50mm
047	57.110136	-135.379343	One Pink salmon about 30mm captured. See photo and one Coho about 50mm.	Electrofisher	1 Coho about 50mm and 1 Pink about 30mm
048	57.109713	-135.379221	One pink salmon fry about 30mm, two Dolly Varden between 50-80mm.	Electrofisher	1 Pink about 30mm and 2 Dolly Varden between 50-80mm
049	57.109561	-135.379122	Two Dolly Varden about 50mm.	Electrofisher	2 Dolly Varden about 50mm
050	57.109230	-135.378736	Upper extent of potential fish passage. Very steep, bedrock channel above with cascading falls.		
Waypoints	lat	lon	Notes	Sample_Eff	Sample_Res
51	57.110284	-135.379376	Confluence of tributary we finished on yesterday. Heading up mainstem.		
52	57.110329	-135.379374	Tributary on river left. See photos (1). Shocking 310v.		
53	57.110573	-135.379062	This tributary ends in wetlands area.		
54	57.110698	-135.379112	Small tributary river right.		
55	57.111031	-135.379461	Tributary ends at gradient with lack of flow barrier.		
56	57.111643	-135.378084	Tributary river left. See photos (1).		
57	57.111820	-135.377949	Coho in tributary about 70mm. See photo (1). Also one Dolly Varden about 35mm.	Electrofisher	1 Coho about 70mm and 1 Dolly Varden about 35mm

58	57.111835	-135.377829	Gradient barrier from tributary, 57 Wp. Caught two Dolly Varden in this tributary and one Coho.	Electrofisher	1 Coho and 2 Dolly Varden
59	57.111866	-135.378164	Tributary on river left. Visual ID on Dolly Varden at head waters. Lack of flow is the barrier.	Visual ID	1 Dolly Varden
60	57.112204	-135.378499	Tributary river left. No fish.		
61	57.112397	-135.378872	Fork in the creek with equal flow fished the confluence, found nothing. Headed up the river left fork. Salmon vertebrae on bank.		
62	57.112756	-135.378864	Two Coho in fork. See photos (1).	Electrofisher	2 Coho
63	57.112847	-135.378819	Tributary on river right		
64	57.113117	-135.378684	Coho about 70mm. Visual on another Coho not netted. On 2nd go around was netted!	Electrofisher	2 Coho and one was 70mm
65	57.113434	-135.378418	End of tributary, ended in wetland/forest mosaic.		
66	57.113143	-135.377181	Gradient barrier, see photos (2).		
67	57.113416	-135.379434	Two Coho netted, see photo (1) and many salmon eggs, old, see photo (1).	Electrofisher	2 Coho
68	57.113803	-135.379198	Tributary river right		
69	57.114141	-135.379449	Coho about 65mm and another visual, but unable to net.	Electrofisher/Visual	2 Coho with one being 65mm and other unknown
70	57.114167	-135.379625	Coho about 65mm, netted.	Electrofisher	1 Coho about 65mm
71	57.114525	-135.379630	End of tributary. H2O becomes stagnant.		
72	57.114738	-135.378240	Tributary river right.		
73	57.114900	-135.377283	Gradient barrier for previous tributary. See photo (1).		
74	57.116143	-135.377641	Caught a Dolly Varden here. This is a ways up the creek, have not seen any fish in a while. There was no barrier, however no Coho.	Electrofisher	1 Dolly Varden
75	57.116821	-135.377899	End of the survey		
76	57.114186	-135.378748	Hiking out saw numerous salmon bones on side of creek.		
Waypoint	lat	lon	Notes	Sample Effort	Sample Result
001	57.115776	-135.378066	beginning new area-not previously tracked. Low water, subterranean flow present-still connected flow. Continue tracking upstream		
002	57.11607	-135.3781	attempted e-fishing (300V, 30Hz, 12% duty cycle), no fish caught or seen. Very small, disconnected pools, tributary enters on river right. Continue up mainstem	electrofishing	no fish caught
003	57.116179	-135.377496	attempted e-fishing, caught 2 unknown salmonids visually identified-30mm. Continuing upstream	electrofishing	2 unknown salmonids, ~30mm
004	57.116201	-135.37751	tributary enters on river left, begin tracking upstream		
005	57.116132	-135.377233	upper extent of watered habitat-ends in dry marsh, no channel, little to no fish habitat present		
006	57.116191	-135.377405	attempted e-fishing deep pool at confluence (350V, 30Hz, 12% duty cycle)		

007	57.116213	-135.37758	captured 1 unknown salmonid ~25mm, orange tinted fins, took several pictures (photos 0173-0175), probably dv or coho		
008	57.116738	-135.377859	very small tributary enters on river right, attempted e-fishing at confluence and at pool just above, captured 1 unknown salmonid ~25mm, took several pictures (photos 0176, 0178, 0179), looked more dv-like than last small salmonid...	electrofishing	1 unknown salmonid, ~25mm
009	57.116881	-135.377844	tributary enters on river left, begin tracking tributary		
DSC00288	57.116948	-135.37778			
010	57.117259	-135.377144	attempting e-fishing, small pool, habitat looks good, very low gradient-but difficult to fish due to many subterranean portions (350V, 30Hz, 12%duty cycle), no fish seen or caught...continue upstream	electrofishing	no fish caught
011	57.117249	-135.375699	electrofished nice pool-captured 1 dv ~55mm, medium waterfall ~4.5ft, continuing upstream. New settings (450V, 30Hz, 12%duty cycle)	electrofishing	1 DV ~55mm
012	57.117376	-135.375144	calling it the top-stream continues but gradient begins to increase and flow is very minimal		
013	57.118119	-135.377964	calling it the top-upper extent of watered habitat-took photo-became deer habitat, not fish habitat...tracks on, tracks off		



revise hydrography for
113-41-10170 &
113-41-10170-2008
shorten 113-41-10170-2008
reposition pts as indicated
use arc2013 for hydrography