



State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Anadromous Waters Catalog

M *W*

Region Southeastern USGS Quad(s) SITKA C-2

Anadromous Waters Catalog Number of Waterway 112-17-10500

Name of Waterway Thayer Creek USGS Name Local Name
 Addition Deletion Correction Backup Information

For Office Use

Nomination # <u>14-619</u>	<u>James J. Hasbrouck</u> Fisheries Scientist	<u>9/3/2014</u> Date
Revision Year: <u>2015</u>	<u>Michelle J. A.</u> Habitat Operations Manager	<u>9/3/14</u> Date
Revision to: Atlas <u> </u> Both <u>X</u>	<u>[Signature]</u> AWC Project Biologist	<u>8/26/14</u> Date
Revision Code: <u>B-1, C-9, D-1, E-9</u>	<u>TA</u> Cartographer	<u>9/17/14</u> Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
coho salmon	08/06/2014		✓	✓	✓
sockeye salmon	08/06/2014			✓	✓
pink salmon	08/06/2014			✓	✓
chum salmon	08/06/2014			✓	✓

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(57.5803,-134.6236) Lower(57.5776,-134.6275)
Shorten stream, add barriers, add coho salmon
REARING & sockeye salmon present, update hydrography

Name of Observer (please print): Nicole Legere
 Signature: 10.7.168.158 (Web Nomination) Date: 08/13/2014
 Agency: _____
 Address: PO Box 110024 Room 209
Juneau, AK 99811-0024

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): _____

THAYER CREEK

Water body name: Thayer Creek

Water body number: 112-17-10500

Watershed: Fishery Creek-Frontal Chatham Strait

Findings: The lower section of Thayer Creek is gravel and cobble substrate. We had visual observations of several adult pink and one chum salmon in the stream. There is a series of water falls approximately 1250' upstream from the mouth of the creek that we determined are anadromous fish passage barriers. We caught four rearing coho salmon downstream of the waterfalls and saw several pink and one pair of sockeye salmon swimming in the plunge pool below the falls. Upstream of the waterfall the creek flows through a bedrock gorge for approximately one mile then opens up to a low gradient stream with gravel and cobble substrate. We surveyed a tributary in this area and caught resident cutthroat trout and Dolly Varden char.

Recommendations: Correct the anadromous section of Thayer Creek in the AWC to represent the actual extent of anadromy. Add rearing coho salmon and sockeye salmon presence to the AWC.

CORRECTION

Survey date: 8/6/2014

Species & Lifestage: CHp, Pp

MTR: C049S067E **Quad:** Sitka C-2

Table 1.-Thayer Creek survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
837	57.5935	-134.6217	Tributary on river right. This tributary provides the most water to Thayer Creek.		
845	57.5939	-134.6178	Stopping here, habitat continues.		
846	57.5931	-134.6165	Mouth of tributary.		
849	57.5929	-134.6227	Small tributary into gorge.		
850	57.5776	-134.6275	Mouth of Thayer Creek.	HN	2 CO, 10 CT
851	57.5785	-134.6276		EF, Visual	2 CT, 1 CH
852	57.5785	-134.6273		EF	3 CT, 1 flat fish
853	57.5795	-134.6263		EF	1 CO ~ 75 mm
854	57.5799	-134.6251		EF	3 CT
855	57.5798	-134.6244		EF	1 CO ~ 80, 2 CT
856	57.5803	-134.6236	16 yds away from base of a series of three waterfalls. Too deep and steep to get any closer. The first fall is approximately 12 ft. with at least 20 ft. deep plunge pool. Visual of salmon trying to jump the falls with no success. The second fall is the approximately 14 ft. bedrock substrate, no plunge pool, and higher velocity. We did not have a visual of the third falls but there is confirmation it exists.	Visual	2 adult S, several adult P



Figure 1.—Coho salmon caught below waterfall in Thayer Creek.



Figure 2.—First 12' waterfall with 20' deep plunge pool.



Figure 3.—Second 14' waterfall with no plunge pool.



Figure 4.—Rick Hoffman walking upstream from the mouth of Thayer Creek.



Figure 5.— Thayer Creek route correction map.

shorten 112-17-10500, add coho salmon rearing & sockeye salmon present, update hydrography using \noms\legere\14-584\Thayer Creek\Thayer Creek.shp

