



State of Alaska
Department of Fish and Game
Division of Sport Fish

Nomination Form
Anadromous Waters Catalog

X

Region SWT USGS Quad(s) DILLINGHAM B-8

AWC Number of Water Body 325-30-10100-2031-3090 - 3092

Name of Water body USGS Name Local Name

Addition Deletion Correction Backup Information

For Office Use

Nomination # <u>150152</u>	<u>James J. Hasbrouck</u> Fisheries Scientist	<u>5/8/2015</u> Date
Revision Year: <u>2016</u>	<u>Michelle A.</u> Habitat Operations Manager	<u>5/8/15</u> Date
Revision to: Atlas _____ Catalog _____ Both <input checked="" type="checkbox"/>	<u>9/1</u> AWC Project Biologist	<u>4/23/15</u> Date
Revision Code: <u>A-2, C-7, C-9, D-1</u>	<u>[Signature]</u> GIS Analyst	<u>5/2015</u> Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
<u>Change based on review of historic docs and catch in Agency</u>					

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
Delete and renumber lower portion of 325-30-10010-2031-3090 as 325-30-10100-2031-3092 w/ sockeye salmon present.
Revise hydrography and move mouth pt from 325-30-10010-2031-3090 w/ sockeye salmon spawning

Name of Observer (please print): J. Johnson
Signature: _____
Agency: ADFG SF
Address: 333 Raspberry Road
Anchorage, AK 99518

ALASKA DEPT. OF FISH & GAME
Date: 4/13/2015

APR 13 2015

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 11/13
Name of Area Biologist (please print): _____

A flow of 5000 (1977) to a high of 10,100 (1979) with an average annual count of about 4,000 (Table 5).

Happy Creek

A small creek with recent large numbers of spawners. A second creek mouth opened into Hansen Bay in 1973 (Figs. 2 and 6). It now appears to have the major flow. The creek is very brushy and difficult to walk. Survey to "D," separating counts for "A," "B," "C," and "D." Count to "E" if salmon are present in any numbers. Annual counts have ranged from under 200 (1973) to nearly 26,000 in 1991 and have exceeded 5,000 each year since 1985 (Table 6).

Need to update

hydrography

add new stream

Johnson, J D (DFG)

From: Ayers, Scott D (DFG)
Sent: Thursday, April 09, 2015 11:51 AM
To: Johnson, J D (DFG)
Subject: AWC nomination questions for you
Attachments: SF2014-138f-2d5f.xlsx

Categories: Red Category

Hi J,

Just starting to dig through a handful of reports from UW-FRI for their work in the Bristol Bay area from 2014. I spent a lot of time last year documenting their specific sites on the permits that they were issued instead of putting a general area, and hope that it will be fruitful for mining these for AWC nominations.

I've attached a copy of their collections report for SF2014-138 to this message. And have a couple of questions.

Aleknagik Lake:

The site (location ID) EAGCK (eagle creek) on Lake Aleknagik is not currently listed and they collected 7 sockeye carcasses there. The point indicates that the site of collection is pretty much at the lake shore via the mapper (although Google images show it a touch up the stream). Would this work to nominate this stream, or is it too close to Aleknagik?

Also their coordinates (and the google maps imagery) for Happy Creek (HAPCK) seems to indicate that the stream mouth has moved from what is listed on the AWC mapper.

Lake Beverly

Similar to Eagle Creek above, Uno Creek (UNOCK) on Lake Beverly is not currently listed. 4 sockeye carcasses were collected at a site right at shore line. Is this enough to request a nomination or no?

Lake Nerka

Another one like above. Sam Creek (SAMCK) on Lake Nerka is not currently listed (not to be confused with what everyone else is calling Sam Creek just to the west). Six sockeye salmon carcasses collected here at shoreline. Google maps shows this just slightly upstream of the lake shore. Thoughts?

Also, did anyone submit nomination during the last review period for sites in Little Togiak Lake (A Creek and C Creek)?

That's all for this one.

A 55.6 HAPPY CREEK (Lake Aleknagik)

LOCATION: 59°20'00" N. 158°43'12" W.

PREVIOUS NAMES OR NUMBERS:

U.S.G.S. MAP: Dillingham, Alaska, 1:250,000, 1951

PHYSICAL DESCRIPTION

TOTAL LENGTH: 4 miles

LENGTH ACCESSIBLE TO SALMON: 4 miles

AVERAGE WIDTH: 10' RANGE: 7'-22'

AVERAGE DEPTH: 10" RANGE: 6"-30"

TOTAL ACCESSIBLE SPAWNING AREA: 4.85 acres

POTENTIAL SPAWNING AREA: 80%; 3.88 acres

BOTTOM QUALITY: 90% gravel, 10% mud

WATERSHED. 4.5 square miles. Long brushy, drainage creek arising near source of Femo Creek. Draining through flat valley alongside Jackknife Mountain. Numerous logs in creek, but no serious obstructions.

GRADIENT:

WATER VELOCITY: Average = 3.0 fps.

Range = 2.5-4.0 fps.

FLOW: 34.5 cfs. (Aug. 11, 1960). Medium RANGE:

water level. Flow station is 200 yards

up from mouth.

AIR TEMPERATURE: 13.3° C. (Aug. 11, 1960)

WATER TEMPERATURE: 7.8° C (Aug. 11, 1960)

POOLS AND RIFLES: Numerous pools behind logs and fallen trees approximately every 75 feet.

RED SALMON RUNS

PERCENT OF TOTAL ESCAPEMENT: 0.33%

ESCAPEMENT RANGE: 186-11,304

TIME OF OCCUPANCY: JULY 18-AUG. 15

PEAK OF SPawning: AUG. 7

DISTRIBUTION OF SPAWNERS: Spawning reduced greatly above first 2 miles.

GENERAL INFORMATION

SHEDDER: FRI cabin at Mosquito Point.

SURVEY ROUTES AND METHODS: Ground surveys in earlier years, aerial surveys in later years.

PERSONAL-USE FISHERY: Not extensive.

FISH SPECIES: Arctic char.

WILDLIFE SPECIES: Brown bear, bald eagle, beaver.

REMARKS: Spawning reduced greatly above first 2 miles.

SUMMARY OF SURVEYS

Date	Method & distance	Live	Dead	Total	Remarks
1946	T			11,304	
8/7	G	6,358	4,919		5,000-6,000 off mouth. 43 ♂, 57 ♀ measurements; 31 scales
1947	T			560	
8/1	G 0.2	175	63		45 ♂, 59 ♀ measurements; 15 ♂, 15 ♀ scales
8/8	G 1.0	268	292		
1948	T			186	
8/14	G 0.75	41	145		32 ♂, 64 ♀ measurements; 30 scales
1949	T			1,996	
8/6	G 1.25	147	29		
8/10	G 1.25			127	23 ♂, 44 ♀ measurements; 20 ♂, 20 ♀ scales
8/15	G 0.2	127	194		48 ♂, 84 ♀ measurements
8/23	G			176	Lower area of creek only
1950	T			2,405	
7/27	G 0.2	176	10		
8/7	G	452	559		Surveyed to head of spawning. 101 ♂, 101 ♀ measurements; 20 ♂, 20 ♀ scales
1951	T			2,477	
8/7	G	1,194	551		Water high. Estimated 4,000 fish. 100 ♂, 100 ♀ measurements; 20 ♂, 20 ♀ scales

SUMMARY OF SURVEYS

Date	Method & distance	Live	Dead	Total	Remarks
1952	T			721	
7/31	G	445	59		Water high and muddy. Few fish
8/11	G				73 ♂, 107 ♀ measurements; 20 ♂, 20 ♀ scales
1953	T			1,948	
7/18	G	41	0		Lower area only
7/21	G	707	3		Lower area only
7/27	G	709	182		Lower area only. 27 ♂, 49 ♀ measurements; 20 ♂, 20 ♀ scales
7/29	G	684	325		Surveyed to middle area of creek. 73 ♂, 60 ♀ measure- ments; 20 ♂, 20 ♀ scales
1954	T			4,118	
7/25	G			1,340	Surveyed to middle of creek. 124 measurements; 40 scales
7/30	G			2,876	500 off mouth. Surveyed to middle of creek. 77 meas- urements.
8/1	G			3,305	Surveyed to middle of creek
8/7	G			4,118	Surveyed to the middle of creek
1955	T			4,000	
8/7	A			3,000- 4,000	500-1,000 off mouth. 101 ♂, 82 ♀ measurements; 20 ♂, 20 ♀ scales

SUMMARY OF SURVEYS

Date	Method & distance	Live	Dead	Total	Remarks
1956	T			5,703	
7/16	G			473	1,500 off mouth. Surveyed to middle of creek
8/2	A			400	off mouth
8/5	G			4,537	200 off mouth. Average count to middle area of creek
1957	T			3,551	
7/25	G 0.25	657	82		100 off mouth
7/30	G	1,116	1,935		300 off mouth. 20 ♂, 20 ♀ scales and measurements
7/31	G				100 ♂, 100 ♀ measurements; 80 ♂, 80 ♀ scales
8/4	A				300 off mouth
8/8	A				200 off mouth
1958	T			968	
8/8	G			968	To head of spawning. 19 ♂, 44 ♀ measurements; 19 ♂, 20 ♀ scales
8/19	G				55 ♂, 70 ♀ measurements; 55 ♂, 60 ♀ scales
1959	T			3,000	
7/14	A				1,500 off mouth
8/3	G	2,454	180		105 ♂, 40 ♀ measurements; 60 ♂, 40 ♀ scales

SUMMARY OF SURVEYS

Date	Method & distance	Live	Dead	Total	Remarks
1959					
8/8	G				62 ♀ measurements; 20 ♀ scales
8/10	A			3,000	1,000 off mouth
1960	T			653	
8/11	G			653	Prior to peak. Later than normal. 48 ♂, 106 ♀ measurements; 48 ♂, 100 ♀ scales
1961	T			800	
8/5	G				Approximate peak of spawning. 26 ♂, 100 ♀ measurements; 26 ♂, 60 ♀ scales
1962	T			650	
8/4	A 4.0			650	
8/7	G				Water level low. 4 ♂, 16 ♀ scales and measurements

UNITED STATES DEPARTMENT OF THE INTERIOR

Stewart L. Udall, Secretary

Frank P. Briggs, Assistant Secretary for Fish and Wildlife

FISH AND WILDLIFE SERVICE, Clarence F. Pautzke, Commissioner

BUREAU OF COMMERCIAL FISHERIES, Donald L. McKernan, Director

STREAM CATALOG OF THE WOOD RIVER LAKE SYSTEM,
BRISTOL BAY, ALASKA

Compiled by

Richard A. Marriot

with

Additions and Revisions by

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renumbered from portion of as 325-30-10010-2031-3090-3090
as 325-30-10010-2031-3090-3092 w/sockeye salmon present
use arc2016 for hydro (red line), orange line is existing stream arc

revise hydro & moved mouth pt for
325-30-10010-2031-3090-3090
w/sockeye salmon spawning,
use arc2016 (red line) for hydro

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