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

Nomination Form
Anadromous Waters Catalog

Region: Southeast

USGS Quad(s): Craig A-2

Anadromous Waters Catalog Number of Waterway: 103-21- ~~10290~~ 10268

Name of Waterway: Keete Inlet Unnamed Stream 7

USGS Name Local Name

x Addition Deletion Correction Backup Information

For Office Use

Nomination #	140041	Fisheries Scientist	4/25/14 Date
Revision Year:	2015	Habitat Operations Manager	4/25/14 Date
Revision to:	Atlas ____ Catalog ____ Both X	AWC Project Biologist	3/24/14 Date
Revision Code:	A-2	Cartographer	5/19/14 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho salmon	6/18; 7/1-7/2 of 2013		X	X	X
Dolly Varden	6/18; 7/1-7/2 of 2013			X	

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:

See attached supplemental information.

This application was prepared by Cathy Needham, who may be reached at (907)723-4436 or cathy@kaienvironmental.com.

Add new stream w/ coho salmon rearing

Name of Observer (please print): Tony Sanderson

Signature: Tony Sanderson Date: 1-9-14

Agency: Hydaburg Cooperative Association

Address: P.O. Box 349
Hydaburg, Alaska 99922

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.

ALASKA DEPT. OF FISH & GAME

Signature of Area Biologist: _____ Date: JAN 10 2014

02/08

Supplemental information for Keete Inlet Stream 7

Five baited minnow traps were soaked for 2-4 hours in Stream 7 in Keete Inlet on June 18, August 1-2, 2013. The attached figure shows the trap locations. Stream 7 in Keete Inlet is not listed in the Anadromous Waters Catalog. This current nomination is to include the presence and rearing of coho salmon in a newly mapped anadromous stream. It is also noted that Dolly Varden were present. An ADFG fish trapping permit datasheet is attached to this nomination packet for further details on fish trapping efforts.

Stream mapping and survey data was collected by the Hydaburg Cooperative Association Stream Survey crew for Stream 7 on August 1, 2013. Data was taken on two reaches. The stream survey data are in the following tables:

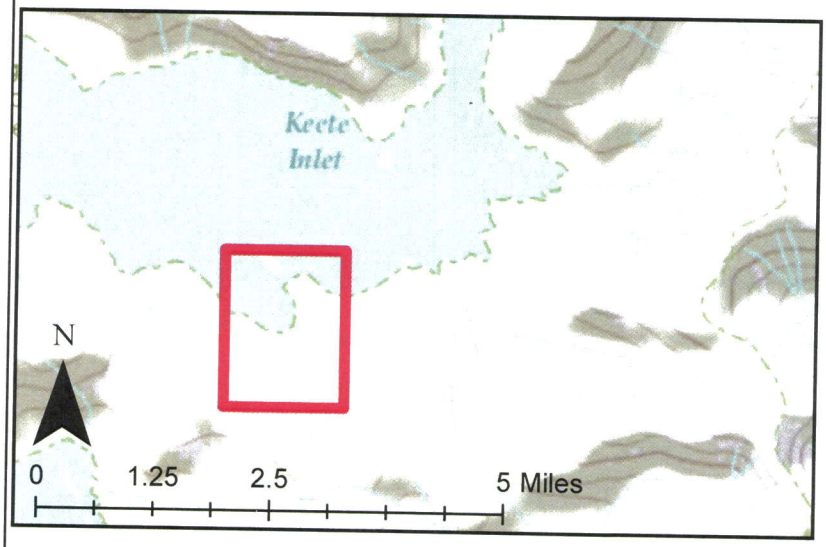
	Reach 1	**Reach 2**
Average stream gradient	12.325	20.775
Average bankfull width	4.4	4.3
Average channel bed width	1.93	2.26
Average incision depth	0.57	0.55
Bank composition	Organic	Mixed Alluvial/Bedrock
Dominant substrate	Small cobble	Small cobble
Sub-dominate substrate	Very course gravel and Large cobble	Large cobble and Very course gravel
Large wood count	52	82
Key wood count	58	43
Macro-pool count	50	52

Reach 1 was classified as AFH (high gradient alluvial fan), and Reach 2 was classified as HCL (high gradient low incision contained). Juvenile coho salmon and Dolly Varden were present in both reaches of the mapped stream. There were no features mapped in the stream that would be considered an impediment to fish passage, therefore the upper extent of fish habitat was not found.

Keete Inlet
Unnamed Stream 7
August 1, 2013

Numbered reaches mapped by
Hydaburg Cooperative Association

Keete Inlet



0 0.15 0.3 0.6 Miles

N

Legend

Fish Traps

- Coho Salmon
- Dolly Varden

Service Layer Credits: Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), and the GIS User Community

Date: 1/9/2014

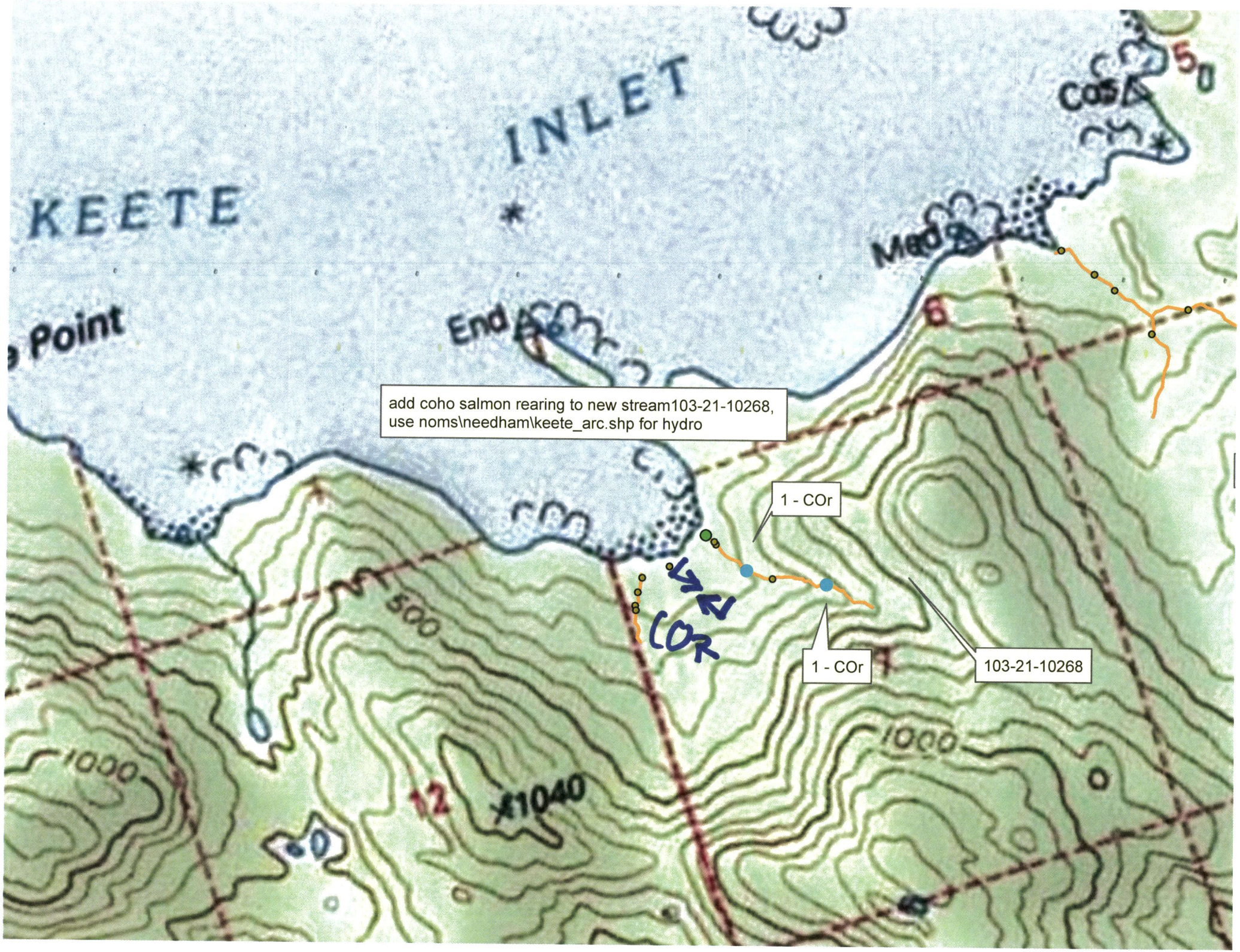
ADF&G permit no. SF2013-208

Summary report of fish collection activity.

The area biologist was contacted on: 3:07pm on 5/29/13

Location ID (optional)	Latitude	Longitude	Datum	Coordinate determination method	Name of water body	Date	Observer name (first name, middle initial, last name)	Fish collection method	Species	Life stage	Length (mm) No estimates/ranges	Length method	Disposition (1)
214	55.03896302	-132.518428	WGS84	GPS	Keete	6/18/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile			ID'ed and released
214	55.03896302	-132.518428	WGS84	GPS	Keete	6/18/2013	Tony Sanderson	Minnow Trap	sculpin-unspe	juvenile	52	fork	measured and released
214	55.03896302	-132.518428	WGS84	GPS	Keete	6/18/2013	Tony Sanderson	Minnow Trap	sculpin-unspe	juvenile	55	fork	measured and released
831	55.03905999	-132.518469	WGS84	GPS	Keete	8/1/2013	Tony Sanderson	Minnow Trap	sculpin-unspe	juvenile	94	fork	measured and released
831	55.03905999	-132.518469	WGS84	GPS	Keete	8/1/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	91	fork	measured and released
831	55.03905999	-132.518469	WGS84	GPS	Keete	8/1/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	99	fork	measured and released
831	55.03905999	-132.518469	WGS84	GPS	Keete	8/1/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	95	fork	measured and released
831	55.03905999	-132.518469	WGS84	GPS	Keete	8/1/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	100	fork	measured and released
844	55.03743801	-132.516147	WGS84	GPS	Keete	8/1/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	146	fork	measured and released
844	55.03743801	-132.516147	WGS84	GPS	Keete	8/1/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	123	fork	measured and released
844	55.03743801	-132.516147	WGS84	GPS	Keete	8/1/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	100	fork	measured and released
855	55.03676	-132.513527	WGS84	GPS	Keete	8/1/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	115	fork	measured and released
855	55.03676	-132.513527	WGS84	GPS	Keete	8/1/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	68	fork	measured and released
855	55.03676	-132.513527	WGS84	GPS	Keete	8/1/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	85	fork	measured and released
855	55.03676	-132.513527	WGS84	GPS	Keete	8/1/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	67	fork	measured and released
855	55.03676	-132.513527	WGS84	GPS	Keete	8/1/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	62	fork	measured and released
885	55.05246601	-132.466454	WGS84	GPS	Keete	8/2/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	87	fork	measured and released
885	55.05246601	-132.466454	WGS84	GPS	Keete	8/2/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	122	fork	measured and released
885	55.05246601	-132.466454	WGS84	GPS	Keete	8/2/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	115	fork	measured and released
885	55.05246601	-132.466454	WGS84	GPS	Keete	8/2/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	86	fork	measured and released
885	55.05246601	-132.466454	WGS84	GPS	Keete	8/2/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	85	fork	measured and released
885	55.05246601	-132.466454	WGS84	GPS	Keete	8/2/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	82	fork	measured and released
885	55.05246601	-132.466454	WGS84	GPS	Keete	8/2/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile			ID'ed and released
885	55.05246601	-132.466454	WGS84	GPS	Keete	8/2/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	81	fork	measured and released
885	55.05246601	-132.466454	WGS84	GPS	Keete	8/2/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	84	fork	measured and released
885	55.05246601	-132.466454	WGS84	GPS	Keete	8/2/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	92	fork	measured and released
885	55.05246601	-132.466454	WGS84	GPS	Keete	8/2/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	96	fork	measured and released

885	55.05246601	-132.466454	WGS84	GPS	Keete	8/2/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	66	fork	measured and released
885	55.05246601	-132.466454	WGS84	GPS	Keete	8/2/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	62	fork	measured and released
885	55.05246601	-132.466454	WGS84	GPS	Keete	8/2/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	52	fork	measured and released
885	55.05246601	-132.466454	WGS84	GPS	Keete	8/2/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	72	fork	measured and released
839	55.03792098	-132.517314	WGS84	GPS	Keete	8/1/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	115	fork	measured and released
839	55.03792098	-132.517314	WGS84	GPS	Keete	8/1/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	85	fork	measured and released
839	55.03792098	-132.517314	WGS84	GPS	Keete	8/1/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile	80	fork	measured and released
839	55.03792098	-132.517314	WGS84	GPS	Keete	8/1/2013	Tony Sanderson	Minnow Trap	coho salmon	juvenile	60	fork	measured and released
839	55.03792098	-132.517314	WGS84	GPS	Keete	8/1/2013	Tony Sanderson	Minnow Trap	Dolly Varden	juvenile			ID'ed and released


INLET
KEETE
Point
End
Med
Cos
5
6
12
500
1000
1040
add coho salmon rearing to new stream103-21-10268,
use noms\needham\keete_arc.shp for hydro
1 - COr
1 - COr
103-21-10268
COR