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:

Name of Waterway: Keete Inlet Unnamed Stream 8

USGS Name  Local Name

x Addition  Deletion  Correction  Backup Information

For Office Use

| | | | |
|---|---|---|---|
| Nomination # | 140042 | Fisheries Scientist | Date |
| Revision Year: | 2015 | Habitat Operations Manager | Date 3/24/14 |
| Revision to: | Atlas ____ Catalog ____ Both ____ | AWC Project Biologist | Date |
| Revision Code: | F-1 | Cartographer | Date |

OBSERVATION INFORMATION

| Species | Date(s) Observed | Spawning | Rearing | Present | Anadromous |
|---|---|---|---|---|---|
| Coho salmon (1) | 6/18 and 8/1 of 2013 | | X | X | X |
| Dolly Varden | 6/18 and 8/1 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.

Only one coho salmon observed

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.

Signature of Area Biologist: _____ Date: _____

Revision 02/08

ALASKA DEPT. OF FISH & GAME
JAN 10 2014

**Supplemental information for Keete Inlet Stream 8**

Four baited minnow traps were soaked for 2-4 hours in Stream 8 in Keete Inlet on June 18 and August 1, 2013. The attached figure shows the trap locations. Stream 8 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.

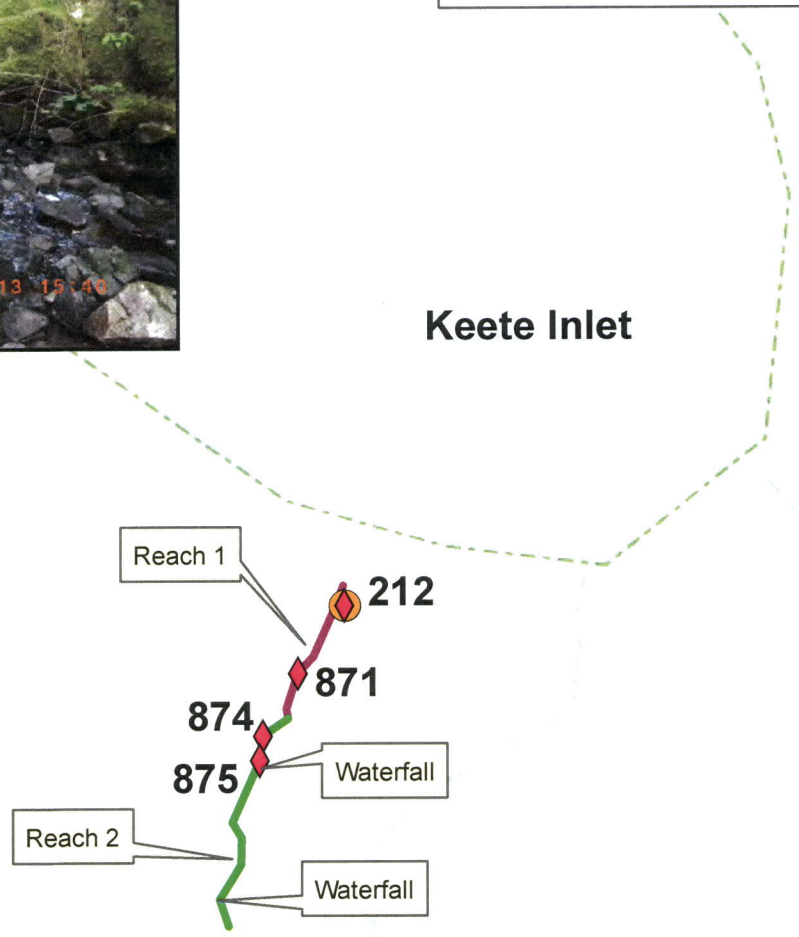
Stream mapping and survey data was collected by the Hydaburg Cooperative Association Stream Survey crew for Stream 8 on August 1, 2013. Data was taken on two reaches. The stream survey data are in the following tables:

| | **Reach 1** | **Reach 2** |
|---|---|---|
| **Average stream gradient** | 10.075 | 24.35 |
| **Average bankfull width** | 7.1 | 5.2 |
| **Average channel bed width** | 3.86 | 2.8 |
| **Average incision depth** | 0.6 | 0.78 |
| **Bank composition** | Organic | Mixed Alluvial/Bedrock |
| **Dominant substrate** | Small cobble | Bedrock |
| **Sub-dominate substrate** | Very course gravel and Large cobble | Large and Small boulder |
| **Large wood count** | 50 | 36 |
| **Key wood count** | 22 | 10 |
| **Macro-pool count** | 21 | 29 |

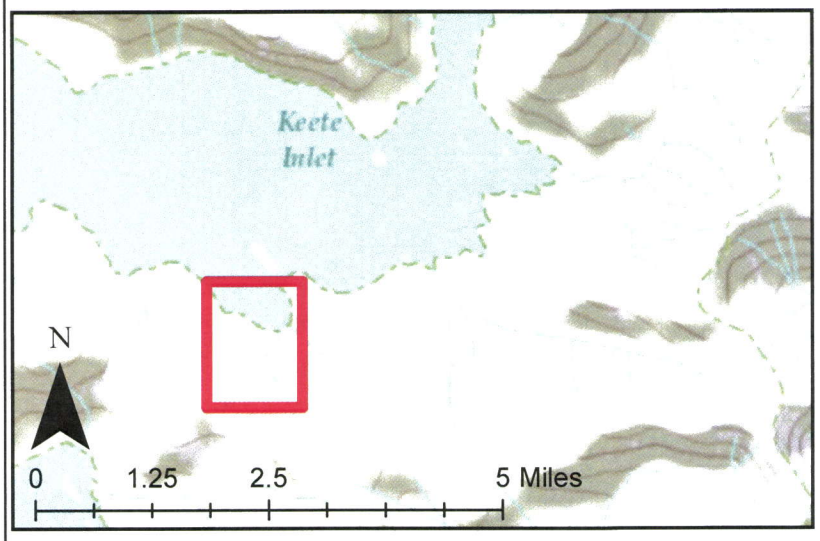
Reach 1 was classified as AFH (high gradient alluvial fan), and Reach 2 was classified as HCL (high gradient low incision contained). Juvenile coho salmon and Dolly Varden were present in Reach 1, and Dolly Varden were present in Reach 2. There were no features mapped in the stream that would be considered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

# Keete Inlet
# Unnamed Stream 8
# August 1, 2013

Numbered reaches mapped by Hydaburg Cooperative Association




Tongass National Forest




0 0.125 0.25 0.5 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 212 | 55.03869999 | -132.522659 | WGS84 | GPS | Keete | 6/18/2013 | Tony Sanderson | Minnow Trap | coho salmon | juvenile | 81 | fork | measured and released |
| 212 | 55.03869999 | -132.522659 | WGS84 | GPS | Keete | 6/18/2013 | Tony Sanderson | Minnow Trap | Dolly Varden | juvenile | 104 | fork | measured and released |
| 212 | 55.03869999 | -132.522659 | WGS84 | GPS | Keete | 6/18/2013 | Tony Sanderson | Minnow Trap | Dolly Varden | juvenile | 74 | fork | measured and released |
| 212 | 55.03869999 | -132.522659 | WGS84 | GPS | Keete | 6/18/2013 | Tony Sanderson | Minnow Trap | Dolly Varden | juvenile | 90 | fork | measured and released |
| 212 | 55.03869999 | -132.522659 | WGS84 | GPS | Keete | 6/18/2013 | Tony Sanderson | Minnow Trap | Dolly Varden | juvenile | 78 | fork | measured and released |
| 212 | 55.03869999 | -132.522659 | WGS84 | GPS | Keete | 6/18/2013 | Tony Sanderson | Minnow Trap | Dolly Varden | juvenile | 85 | fork | measured and released |
| 212 | 55.03869999 | -132.522659 | WGS84 | GPS | Keete | 6/18/2013 | Tony Sanderson | Minnow Trap | Dolly Varden | juvenile | 71 | fork | measured and released |
| 212 | 55.03869999 | -132.522659 | WGS84 | GPS | Keete | 6/18/2013 | Tony Sanderson | Minnow Trap | Dolly Varden | juvenile | 84 | fork | measured and released |
| 212 | 55.03869999 | -132.522659 | WGS84 | GPS | Keete | 6/18/2013 | Tony Sanderson | Minnow Trap | sculpin-unspecified | juvenile | 77 | fork | measured and released |
| 212 | 55.03869999 | -132.522659 | WGS84 | GPS | Keete | 6/18/2013 | Tony Sanderson | Minnow Trap | Dolly Varden | juvenile | 67 | fork | measured and released |
| 212 | 55.03869999 | -132.522659 | WGS84 | GPS | Keete | 6/18/2013 | Tony Sanderson | Minnow Trap | Dolly Varden | juvenile | 58 | fork | measured and released |
| 871 | 55.03831803 | -132.52312 | WGS84 | GPS | Keete | 8/1/2013 | Tony Sanderson | Minnow Trap | Dolly Varden | juvenile | 85 | fork | measured and released |
| 871 | 55.03831803 | -132.52312 | WGS84 | GPS | Keete | 8/1/2013 | Tony Sanderson | Minnow Trap | Dolly Varden | juvenile | 103 | fork | measured and released |
| 871 | 55.03831803 | -132.52312 | WGS84 | GPS | Keete | 8/1/2013 | Tony Sanderson | Minnow Trap | Dolly Varden | juvenile | 92 | fork | measured and released |
| 871 | 55.03831803 | -132.52312 | WGS84 | GPS | Keete | 8/1/2013 | Tony Sanderson | Minnow Trap | Dolly Varden | juvenile | 63 | fork | measured and released |
| 874 | 55.03796004 | -132.523466 | WGS84 | GPS | Keete | 8/1/2013 | Tony Sanderson | Minnow Trap | Dolly Varden | juvenile | 70 | fork | measured and released |
| 874 | 55.03796004 | -132.523466 | WGS84 | GPS | Keete | 8/1/2013 | Tony Sanderson | Minnow Trap | Dolly Varden | juvenile | 94 | fork | measured and released |
| 875 | 55.03782199 | -132.523501 | WGS84 | GPS | Keete | 8/1/2013 | Tony Sanderson | Minnow Trap | Dolly Varden | juvenile | 110 | fork | measured and released |
| 875 | 55.03782199 | -132.523501 | WGS84 | GPS | Keete | 8/1/2013 | Tony Sanderson | Minnow Trap | Dolly Varden | juvenile | 130 | fork | measured and released |
| 875 | 55.03782199 | -132.523501 | WGS84 | GPS | Keete | 8/1/2013 | Tony Sanderson | Minnow Trap | Dolly Varden | juvenile | 112 | fork | measured and released |
| 875 | 55.03782199 | -132.523501 | WGS84 | GPS | Keete | 8/1/2013 | Tony Sanderson | Minnow Trap | Dolly Varden | juvenile | 85 | fork | measured and released |
| 875 | 55.03782199 | -132.523501 | WGS84 | GPS | Keete | 8/1/2013 | Tony Sanderson | Minnow Trap | Dolly Varden | juvenile | 100 | fork | measured and released |
| 875 | 55.03782199 | -132.523501 | WGS84 | GPS | Keete | 8/1/2013 | Tony Sanderson | Minnow Trap | Dolly Varden | juvenile | 82 | fork | measured and released |