State of Alaska
Department of Fish and Ga
Nomination for Waters
Important to Anadromous Fish

AWC Volume (SE) SC SW W AR IN USGS Quad YAKUTAT C-5

~~182-80-10100-~~2011 ; 182-80-10100-2005-3012 0921

Anadromous Water Catalog Number of Waterway 182-80-10100-2005-3014 ~~[illegible]~~

Name of Waterway LOST RIVER-TAWAH CR TRIBUTARIES USGS name X Local name ____

Addition X Deletion ____ Correction X Backup Information X

For Office Use

| | |
|---|---|
| Nomination # 93 303 | [signature] 10-23-92 |
| Revision Year: ____ | Regional Supervisor Date |
| Revision to: Atlas ____ Catalog ____ | Ed Weiss 1/14/93 |
| Both ____ | [signature] 1/28/93 |
| Revision Code: ____ | Drafted Date |

OBSERVATION INFORMATION

| Species | Date(s) Observed | Spawning | Rearing | Migration | Anadromous |
|---|---|---|---|---|---|
| COHO | 10/1-5/92 | * X | * X | | X |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

* See text for specifics

Provide any clarifying information, including number of fish observed, location of fish survey data, etc. Attach a copy of the fish survey data, if available. Attach a copy of a map showing location of mouth and upper points of each species, specific stream reaches identified for spawning or rearing, locations of barriers, such as falls.

Comments:

Foot survey conducted to identify fish habitat in conjunction with proposed DOT/PF airport runway clearing project. For specific detail, match # paragraphs with corresponding numbers from aerial photo overlay sketch.

ALASKA DEPT. OF FISH & GAME
OCT 26 1992
REGION II HABITAT DIVISION

Name of Observer (please print) PHIL MOONEY

Date: 10/16/92 Signature: Phil Mooney

Address: State of Alaska
Department of Fish & Game
304 Lake Street, Room 103
Sitka, AK 99835-7563

Signature of Area Biologist: ____

Rev. 12/9

Yakutat Airport Stream cataloging - October 1-5, 1992

**Runway 11 vicinity**

**1. T28S R34E, SW 1/4 of Section 4; main trunk ditch running NE-SW.** Double culvert (one perforated, the other is perched 6 inches) under runway centerline (SW 1/4 Section 4). Ditch continues SW to culvert in front of DOT shop where it crosses under the road. The upperside of this culvert is screened to prevent passage of adult fish. Coho fry and smolts above culvert. Ditch on downstream side of culvert contains adult coho salmon in deep pond located beside DOT fuel shed. Ditch continues S into NW 1/4 Section 9 where it dumps into catalogued stream # 182-80-10100-2005-3012.

**2. T28S R34E, NW 1/4 of Section 9; ditch on south side of Runway 11.** Feeder ditch that extends to approximately the wind sock circle from its junction with the main drainage ditch mentioned above (running N-S) in the SW 1/4 of Section 4. Water flows from E to W. Coho fry and smolts found.

**3. T28S R34E,SW 1/4 of Section 4; ditch on south side of Runway 11 centerline (where approach lightbars are located.** This is a small feeder ditch paralleling #2 above. Flows E-W. Although ditch extends approximately 250′ from trunk ditch (#1), due to present water level, fry were only found in the first 10′ from trunk ditch.

**4. T28S R34E, SW 1/4 of Section 4; ditch on north side of Runway 11 centerline.** Parallels #3 above on other side of centerline. Flows E-W and drains into trunk ditch (#1). Water is 2′ wide and 2′ deep with pools 3′ deep. Coho fry, smolts and sticklebacks found.

**5. T28S R34E, SW 1/4 Section 4; ditch on northside of Runway 11 centerline.** Same ditch as #4 except water is flowing from W-E to enter the trunk ditch (#1). Ditch runs 1450′ where it comes out of a culvert under the Colorado Road, at the gate. Culvert is gated on the upstream side, but gate is partially raised. Ditch splits on upstream side; the south portion continues only 20′ before drying up. The north fork parallels the Colorado Road for 75′ before ending. Entire length of ditch contains many coho fry and huge smolts and stickleback.

**6. T28S R34E, SW 1/4 Section 4; ditch on southside of Runway 11 centerline.** Same ditch as #3 above except water is flowing from W-E to enter the trunk ditch (#1). Ditch runs 560′ and into culvert and then continues on another 400′ where it deadends east of old building at road edge. This is approximately across from the next to last lightbar furthest away from the end of Runway 11. Coho fry and smolts seen.

7. **T28S R34E, SW 1/4 Section 4; feeder ditch to #6 above on east side of another access road to centerline.** Ditch flows S-N. Coho fry seen in first 30′. Total length of ditch 680′.

8. **T28S R34E, SW 1/4 Section 4; feeder ditch to #6 above on west side of another access road to centerline (ditch parallels #7).** Ditch flows S-N. Coho fry seen in first 50′. Total length of ditch 680′.

9. **T28S R34E, NW 1/4 of the SW 1/4 Section 4; **CHANGE FROM PRESENT CATALOG** Stream # 182-80-10100-2005-3012. Mainstem of stream now parallels the west side of Colorado Road to within 85′ of the road gate. Ditch then goes SW until it enters culvert on centerline road. Culvert is 685′ west on centerline road from junction with Colorado Road.

10. **T28S R34E, NE 1/4 of the SW 1/4 Section 4.** East side of Colorado Road, 750′ from gate. Two acre pond (old gravel pit) with coho fry, smolts, and stickleback in it. No real outlet found. Pond is 700′ due west of a catalogued pond and stream (#182-80-10100-2011). A drainage ditch (#11 below) is located 160′ north of the pond and flows east to the catalogued stream.

11. **T28S R34E, NE 1/4 of the SW 1/4 Section 4.** Drainage ditch starting from the east side of Colorado Road, running east 1245′ to catalogued pond (#182-80-10100-2011). Coho fry found.

12. **T28S R34E, NE 1/4 of the SW 1/4 Section 4.** Connected 3 pond complex (5 acres) on the east side of Colorado Road; 1885′ from road gate. Coho fry and smolts and stickleback found. Outlet of pond complex believed to be on the SE side and flows into catalogued stream #182-80-10100-2011.

13. **T28S R34E, SE 1/4 of the NW 1/4 Section 4.** Located on the north side of the old Yakutat railroad bed. Tributary to #182-80-10100-2005-3012. Upper limits not determined. Stream is located off of west side of the Colorado Road, 1470′ from gate. Coho adults observed in stream.

14. **T28S R34E, NW 1/4 of the SW 1/4 Section 4.** At culvert 685′ west on centerline road from junction of Colorado Road. **Upstream concrete headwall damaged and portion of roadbed has eroded behind the headwall and into the creek above the culvert. Lip of culvert may have rotted out.** The original channel catalogued above the culvert (#182-80-10100-2005-3012) is now mostly a rearing stream.

Adults are present only in the first 75′ feet above the culvert and seem to be schooling momentarily before turning and heading up the main stream to the east. The channel is man-made, but has been in use for some time. ( The main stream is discussed in #9).

The old main channel splits and a small rearing channel is present to the north that winds around the perimeter of an old clearing. Coho fry were only found in the first 80′. Small ponds are present beyond and higher water levels probably allow fish to move further up the stream.

**15. T28S R34E, NW 1/4 of the SW 1/4 Section 4; ditch on north side of centerline road flowing into culvert (#14 above).** Waterflow is from W to E and ditchline is 690′ long to the edge of an old building site. The majority of water entering the ditch comes from a stream on the east perimeter of the old building site. Fry were only found in the first 80′ of this stream. There is an extensive area of small ponds and surface flow feeding into this area northeast of the ditch for more than 1000′. Some of the ponds have water 3′ deep and exhibit perennial aquatic vegetation. Aquatic insects are also present through out the ponds and surface flow. It is likely that higher water flows in the area allow rearing fish to move into these upper areas periodically.

**16. T28S R34E, SE 1/4 of the NE 1/4 Section 5; north side ditch on old centerline road.** Water flows E-W and enters a large culvert underneath the centerline road and junction with the Cannon Beach Road, containing catalogued stream #182-80-10100-2005-3014. Adult coho salmon were in the first 80′ of the ditch. A double culvert is present here, placed side by side, parallel in the ditch (there may have been access across the ditch in earlier years). For 320′ above the double culvert, coho fry and smolts were found. The ditch continues further another 320′ (to the beginning of navigational equipment on the runway centerline), but no fish were found. With higher water flows, fish could move up further into the ditch without difficulty.

The centerline road has been waterbarred to vehicle traffic 400′ from the Cannon Beach road junction. Water from the south side centerline road ditch and from the surrounding area appears to flow through the waterbarred area. No fish were found in the south side ditch.

**17. T28S R34E, SW 1/4 of NE 1/4 Section 5; south side ditch on old centerline road, west of Cannon Beach road culvert.** Water flows W-E and enters stream #182-80-10100-2005-3014 at the downstream side of the Cannon Beach road culvert. The ditch is 685′ long and the upper end is a pond which collects water from the main highway and junction with the old centerline road. Coho fry and smolts were

found in the pond. No adults were seen.

**18. T28S R34E, NE 1/4 Section 5; north side ditch on old centerline road, west of Cannon Beach road culvert.** Water flows W-E and enters stream # 182-80-10100-2005-3014 on the upstream side of the Cannon Beach road junction culvert. Ditch extends 480′ and enters a culvert under an old road which heads northwest from the old centerline road. Adult coho throughout ditch (18-20′ wide and 2′-3′ deep). Ditch continues W along the northside of the main highway to Yakutat. Adult fish were found 2050′ upstream of the culvert. Coho fry and smolts were located another 1850′ (total of 3900′ from the culvert). At this point the vegetation appears to suggest more of an intermittent water flow and further habitat would be limited by access during high flows.

**19. T28S R34E, SE 1/4 of NE 1/4 Section 5; small lake N of old centerline road.** Lake is 700′ long and 160′ wide at its southern-most end. Its outflow enters the old centerline road ditch 320′ upstream of the Cannon Beach road junction culvert. Adult coho salmon were seen in the outflow stream from the lake, but appeared to be blocked by debris (logs, railroad tie pieces). It may be that this lake is the result of an old dump/pit site in earlier years. Coho fry and smolts, as well as stickleback were observed in the lake.

**20. T28S R34E, NE 1/4 Section 5; tributary to stream # 182-80-10100-2005-3014 on old road NW of centerline road.** Approximately 2050′ from the junction of this road with the old centerline road, the stream travels along the north side of the road and enters the catalogued stream to the east. Streamflow is from the NW-SE along this segment. The stream goes through a culvert on the old road, 1085′ upstream from where the stream first appears on the northside of the road (the culvert is located approximately 3100′ from the road junction with the centerline road).

The stream continues NW of the culvert and has two main tributaries entering from NE. The main trib cuts back towards the road and vaguely follows along the west side of the road. Adult cohos were seen upstream another 1165′ from the culvert in this trib. Coho fry and smolts were located another 685′ beyond that (total of 1850′ above the culvert). Small side tribs were located and marked on the aerial photo, but the upper limits of fish habitat were not surveyed.

The main stream travels NW from the culvert for 400′ and then turns more north - northeast. The stream continues to be 15-20′ wide with 2-3′ in depth. A small 1/4 acre pond is located above and had adult cohos in it. The upper reaches of this stream were not walked out above the pond.

**21. T28S R34E, NE 1/4 Section 5; stream entering main highway ditch from NE.** Located approximately 685′ from the junction of the old centerline road and the main highway; northwest of the junction towards town. Stream is 6′ wide and 18" deep at its exit into the ditch. Main channel was surveyed back to the NE approximately 1500′. Adult cohos were found along the entire reach. Upper area has a network of small ponds and side channels. The upper limit of habitat was not surveyed.

**22. T28S R34E, NE 1/4 Section 5; stream entering main highway ditch from NE.** Located approximately 240′ NW from stream #21. This appears to be a small rearing habitat stream for cohos. No adults were found. Stream has number of small interconnected ponds in upper reaches and some small side channels. Surveyed 1700′ to the north but did not complete the upper limits of the system.

**23. T28S R34E, NE 1/4 Section 5; stream entering main highway ditch from NE.** Located approximately 320′ NW from stream #22. Adult coho's were seen in the first 100′. Above that only coho fry and smolts were located. Stream is interconnected to many ponds and small side channels in an open muskeg-like area. Open area is 600′ wide in some places. System was surveyed 1900′ to the NE and fry were located at this distance. Stream splits with both forks paralleling each other to the NW another 2000′. Higher water may allow fry to utilize the upper reaches.

**24. T28S R34E, NE 1/4 Section 5; ditch along the west side of road heading south from main Yakutat highway, (locally known as State Camp road), 1850′ from junction with old centerline road.** Ditch runs south 1370′ and enters stream that is a tributary to stream # 182-80-10100-2005-3014. Coho fry and smolts were found along the entire length.

**25. T28S R34E, NW 1/4 of the NE 1/4 Section 5; parallel ditch to main Yakutat highway, running W-E.** Ditch is located approximately 400′ south of main highway; with water flowing W-E. This ditch looks to have been established during WWII and is 4.5-5′ deep. Water depth near the clearcut was 8-10" deep and the bottom of the ditch showed perennial aquatic vegetation. The ditch effectively intercepts and transports surface and ground water from the area west of the State Camp road.

The ditch crosses an area that exhibits characteristics of an old stream location and has alder, salmonberry and willow growth (1850 W of the State Camp road). The channel runs to the SE. It did not have anything but small pools of water in it. I would guess that only in times of heavy rain and/or frozen ground with a

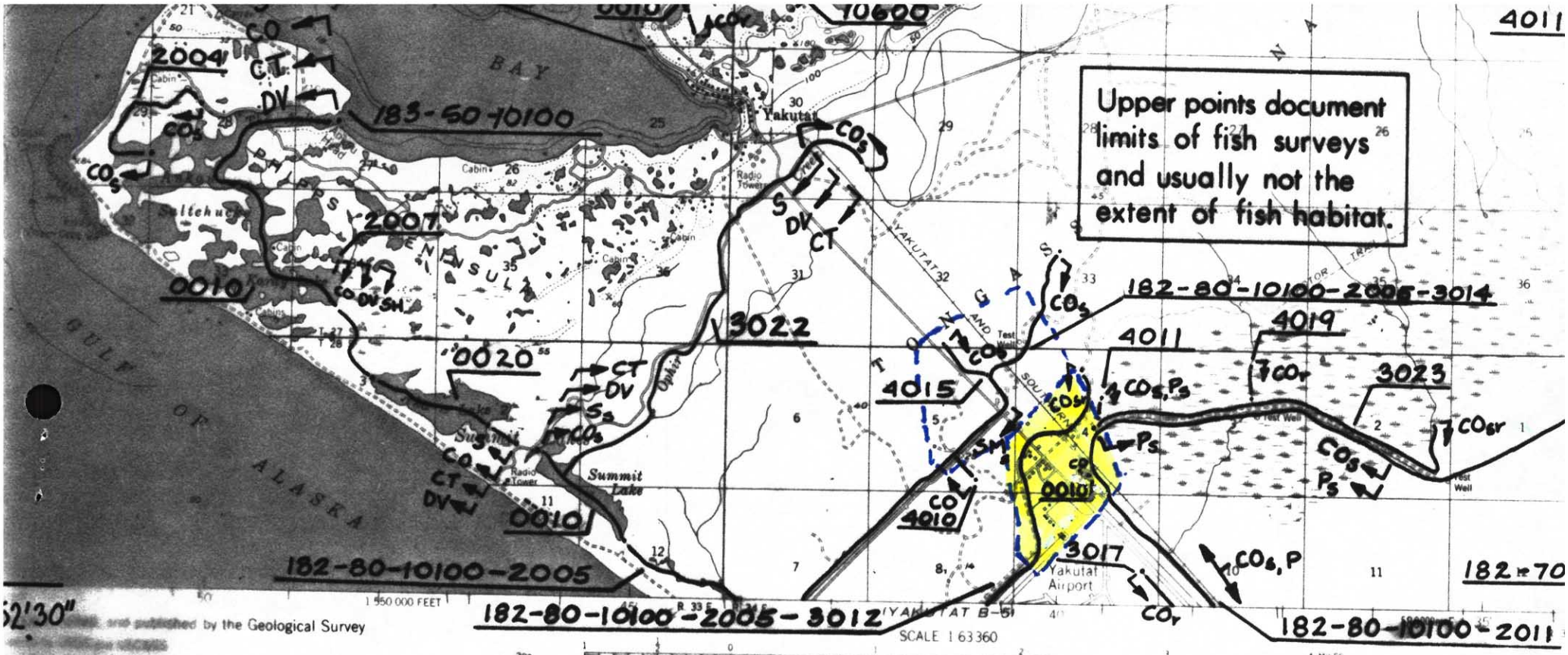
melting snowpack, would this channel have much in the way of flowing water. Because of the existing type of vegetation persisting along this route, subsurface flows likely continue to occur.

Coho fry and smolts were found in the ditch, 1450′ west of the State Camp road. Water was 4′ wide in the ditch and 8-10" deep. Gravels were present in the bottom of the ditch in many places. Higher water levels would allow fry to continue west another 1400′ without difficulty. The ditch is crossed by a road accessing the timber clearcut block south of the Glacier Bear Lodge road. The ditch has been filled in by the road, although the road seems to be close to a topographical break where water to the west of the Glacier Bear Lodge road drains into the Ophir Creek system.

**26. T28S R34E, SE 1/4 of the NE 1/4 Section 5; powerline trail between Cannon Beach road and State Camp road.** 320′ east of the last building on State Camp road, water collects and heads SE on an old road. The road was dug down 2.5-3.5′ and intercepts water south of the main Yakutat highway. The road goes southeast 1530′ and enters a pond (likely an old gravel pit) that is connected to two other ponds below it. The last pond has an outlet into catalogued stream #182-80-10100-2005-3014, just west of the Fish and Game office site (SE 1/4 of Section 5). Adult fish (cohos) were seen in the first lake. Fry and smolts were found 1100′ above the first lake.

**27. T28S R34E, SE 1/4 Section 5; road ditch across from Fish and Game office site.** The road mentioned in #26 above has a small ditch on the south side that extends west of stream # 182-80-10100-2005-3014 approximately 200′. Coho fry were found in this ditch.

**28. T28S R34E, SW 1/4 Section 4, drainage ditch running N-S from houses west of DOT maintenance shed.** Water runs south into stream #182-80-10100-2005-3012 at the main Yakutat highway. The ditch is 350′ long. Coho fry and smolts were found.




52'30"

... published by the Geological Survey

... methods from aerial photographs

... Map not field checked

... from USC&GS Charts 8455

... aerial photographs

... for navigational purposes

... 1927 North American datum

... system zone 1

... grid ticks

... and unmarked locations

... Management

... the water areas

... from aerial photographs

SCALE 1:63360

4 MILES

21000 FEET

5 KILOMETERS

TRUE NORTH

MAGNETIC NORTH

29°

APPROXIMATE MEAN DECLINATION, 1959

CONTOUR INTERVAL 100 FEET

DOTTED LINES REPRESENT 50 FOOT CONTOURS

DATUM IS MEAN SEA LEVEL

DEPTH CURVES AND SOUNDINGS IN FEET · DATUM IS MEAN LOWER LOW WATER

SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER

THE MEAN RANGE OF TIDE IS APPROXIMATELY 8 FEET

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ALASKA

QUADRANGLE LOCATION

LEGEND

Subscript

s - Known Spawning

r - Rearing

* Migration

* Migration upstream is assumed for stream reaches where

COMP. DRC

DRAWN CB

REVISED DRC

APPROVED ERL

DATE 4/82

SCALE

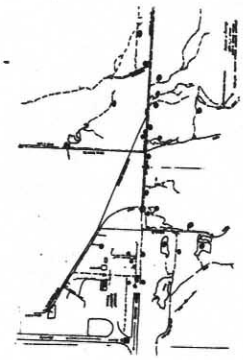
PROJ. TITLE

# ANADROMOUS STREAM CATALOG

ANADROMOUS WATERS ARE LISTED PURSUANT TO AS 16.05.870 (a)

MAP TITLE

DEPARTM



YAKUTAT AIRPORT STREAM SUR / 10/1-5/92
AERIAL PHOTO #3614
SCALE 1" = 685'
RUNWAY 11 VICINITY

NATIONAL FOREST BOUNDARY

#3014

#3012

#4011

182-80-10100-2011

#0010

TRUE

Colorado Rd.

old centerline Rd.

TO YAKUTAT

STATE CAMP RD.

MAIN YAKUTAT HIGHWAY

Cannon Beach Rd.

Stream # 3014

RUNWAY

YAKUTAT AIRPORT TARMAC

CITY HANGAR

DOT SHED

AIRPORT RD.

LOST RIVER RD.

Stream # 3012

RUNWAY 20