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

1988
Year of Revision

Anadromous Water Catalog Volume V

USGS Quad (10) Solomon C-5

Name of Waterway Mystery Creek

Anadromous Water Catalog Number of Waterway ?

333-10-11700-2061-3025

Change to _____ Atlas

X Catalog

_____ Both

Addition X

Deletion _____

Correction _____

Name addition:

USGS name Mystery Creek

Local name Same

For Office Use

Nomination # 85-203a

[signature] 10/21/87
Regional Supervisor Date

[signature] 12/1/87

F1 11/30/87
Drafted Date

Species	Date(s) Observed	Spawning	Rearing	Migration
Arctic Char	10/8/87		X	

Comments: Provide any clarifying information, including number of fish observed, location of fish survey data, etc.

Recent bulldozer activity in lower creek. Stream was not flowing on the surface for 1/2 mile below observation. I saw numerous (20+) fingerling char one of which I captured and made a positive ID on.

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. Attach a copy of the fish survey data, if available.

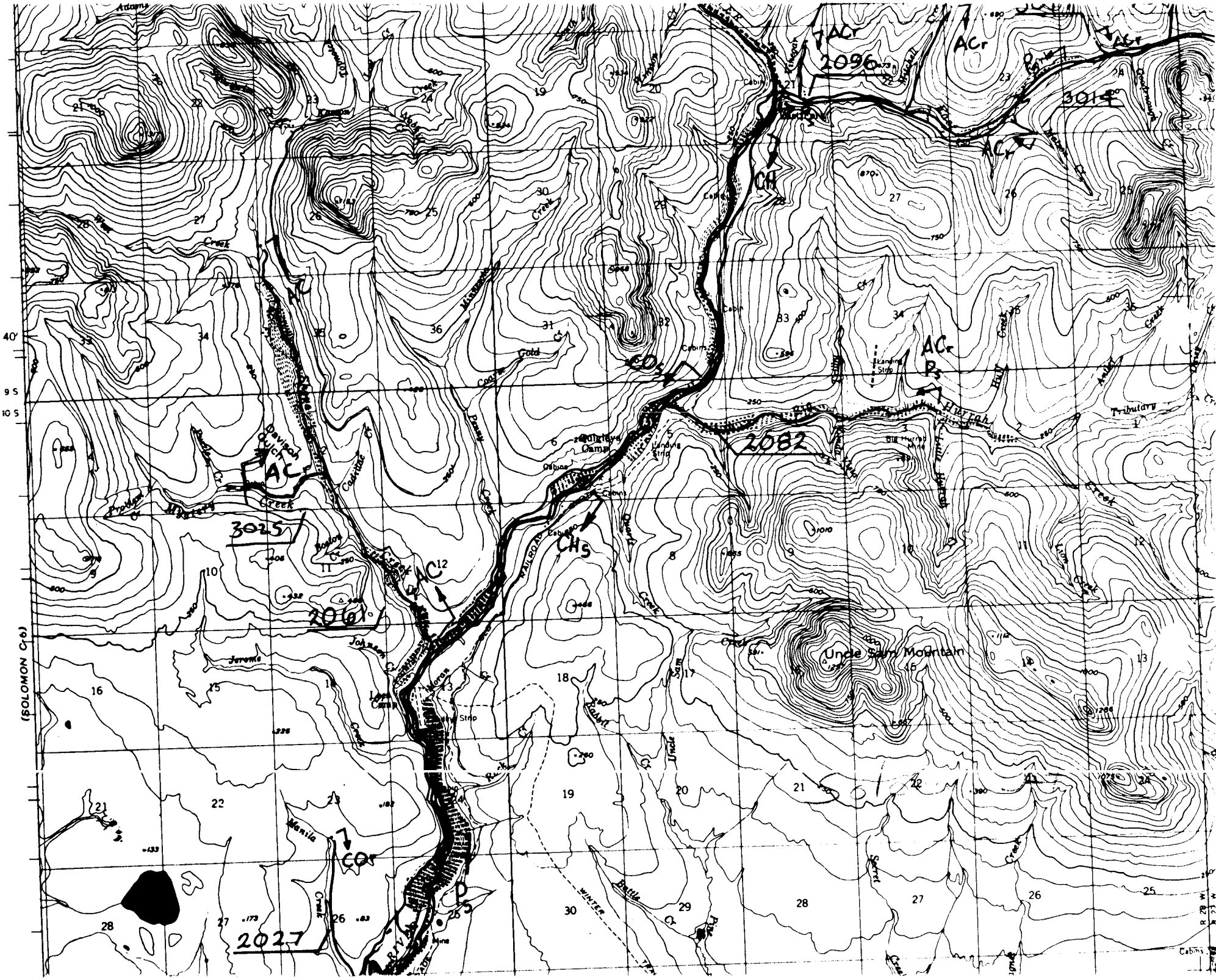
Name of Observer (please print) Charles Lean

Date: 10/12/87 Signature: [signature]

Address: P.O. Box 1148

Nome, Alaska 99762

Signature of Area Biologist: _____



ACr
2096
3014
CH
CO
Ps
2082
Davison Gulch
3025
2061
CHs
Uncle Sam Mountain
COr
2027
T 9 S
T 10 S
(SOLOMON C-6)

From: FH3CAGO --JDCVM1 Date and time 11/20/87 15:47:27
To: FH4CANW --JDCVM1

From: Alvin G. Ott
Regional Supervisor
Habitat Division - Fairbanks
Subject: Anadromous Fish Waters Catalog Nominations in the Solomon River Drainage

On August 20, 1987, A. Townsend (ADFG) Habitat Division, observed approximately 300 adult anadromous Dolly Varden/Arctic char (14 to 20 inches in length) in the Solomon River at its confluence with Shovel Creek. Individual fish were fanning the riverbed gravels in a pre-spawning behavior and several (15 to 20) spawning colored fish were present.

Three groups of 100 or more adult Dolly Varden/Arctic char were also observed in pools of the Solomon River near road access between Shovel and Hurrah creeks. Two additional groups of 100 or more adult Dolly Varden/Arctic char were observed in pools of the Solomon River near road access between Shovel Creek and the old townsite of Solomon.

Shovel Creek is approximately 10 miles from Norton Sound and Hurrah Creek is about 4 miles above Shovel Creek.

The abundant number of adult anadromous Dolly Varden/Arctic char in the Solomon River, the pre-spawning behavior of these adult fish (14 to 20 inches in length), the on set of spawning coloration of these fish, and the close proximity of these fish to Norton Sound lead us to believe that many, if not most, of the rearing Dolly Varden/Arctic char in tributary streams which have fish passage to the Solomon River are offspring of anadromous fish. The nearly absent documentation of sexually mature Dolly Varden/Arctic char less than 300 mm also supports our belief that most of the Dolly Varden/Arctic char in connected streams of the Solomon River drainage are an anadromous stock. (A. Townsend has captured and released only one presumed sexually mature Arctic char that was less than 300 mm within the Solomon River drainage. This was a brightly colored 170 mm Arctic char in an old dredge channel.)

We will also send a hard copy of this memorandum with signature for your use in supporting the anadromous fish stream nominations that we have made for the Solomon River and its tributary systems.

ALASKA DEPT. OF
FISH & GAME
NOV 20 1987
REGION II
HABITAT DIVISION