

Approved

Name of Waterway TOUGH LUCK CREEK

AWC# of Waterway 334-40-11000-2490-  
3151-4020- (X) 5305

AWC Volume & Number \_\_\_\_\_

USGS Quad CIRCLE B-5

Addition X Correction \_\_\_\_\_  
 Deletion \_\_\_\_\_ Change \_\_\_\_\_

Change to \_\_\_\_\_ Atlas  
 \_\_\_\_\_ Catalog  
X Both

oll

<u>L. Holt</u>	<u>10/4/89</u>
Regional Supervisor	Date
<u>90 105</u>	<u>12/27/89</u>
<u>SI</u>	
<u>EI</u>	<u>12/13/89</u>
Drafted	

Species	Date(s) Observed	Spawning	Rearing	Migration
<u>ATTACHED</u>				

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

ATTACHED

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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) AL OTT AL TOWNSEND

Date: 10/3/89 Signature: [Signature] [Signature]

Address: 1300 Colledge Road  
Fairbanks, AK 99701

ALASKA DEPT. OF  
 FISH & GAME

OCT 11 1989

REGION II  
 HABITAT DIVISION

## TOUGH LUCK CREEK

Location - Circle B-5, Section 1, T5N, R6E, FM

Sample Reach - 100 ft reach located in material site outlet at and immediately upstream from confluence of Tough Luck Creek and material site outlet, approximately 200 ft from Chatanika River

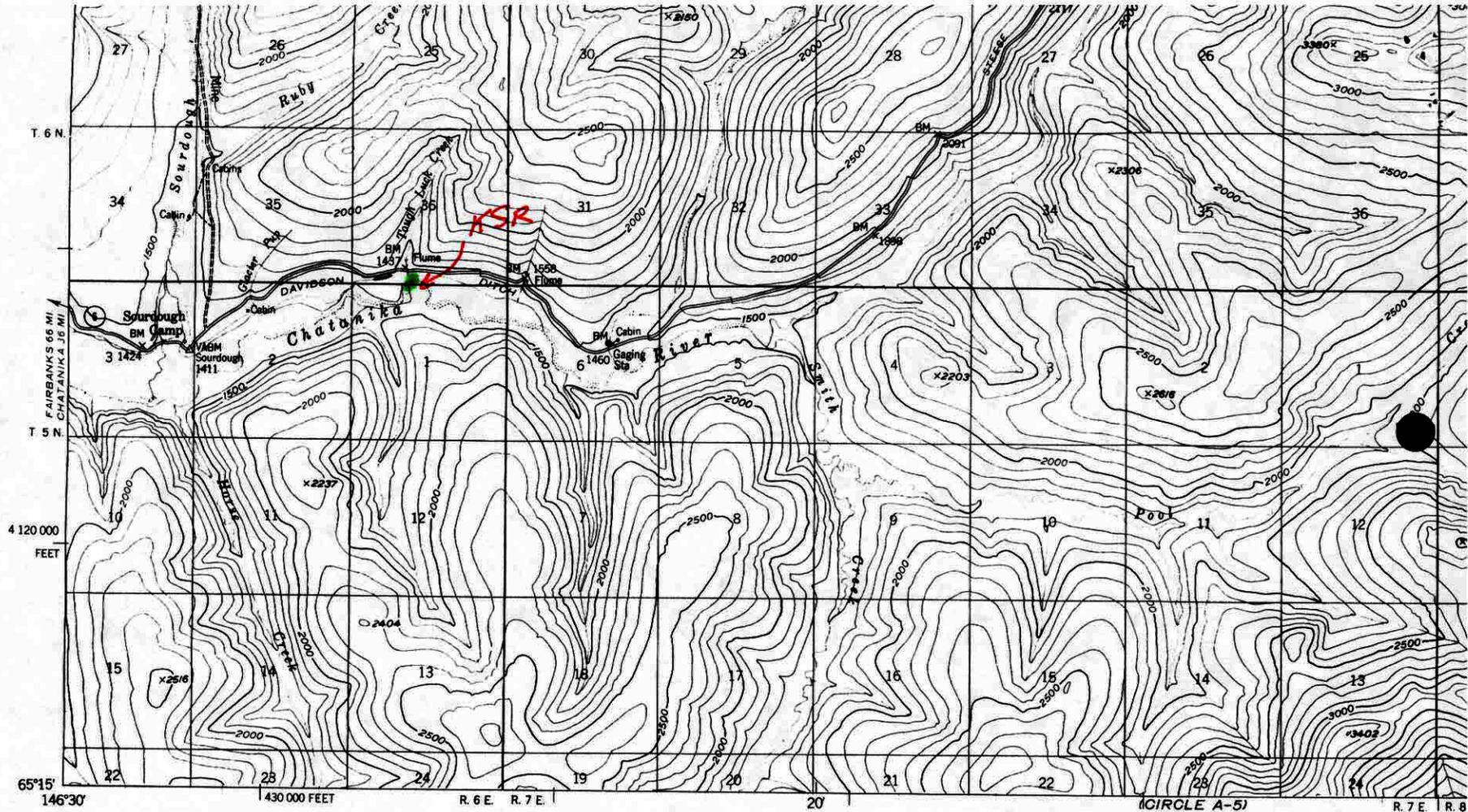
Sample Gear - electroshocker

Anadromous Catalog - stream reach not in catalog

Description of Sample Reach and Observations - gravel/silt substrate with bank vegetation, fish barrier exists on Tough Luck Creek immediately downstream of Steese Highway (part of the Old Davidson Ditch creates an 8 foot waterfall in Tough Luck Creek), aquatic habitat rated #2

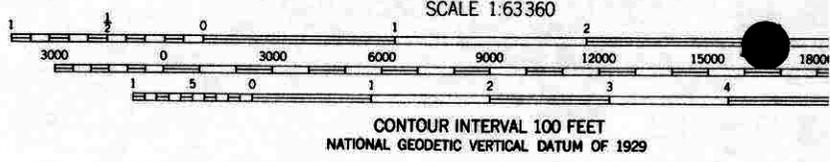
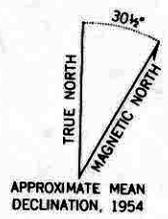
Sample on July 28, 1989 - water clear (52 F in material site outlet, 36 F in Tough Luck Creek upstream of confluence with material site outlet, 21 chinook salmon (58, 58, 53, 49, 53, 56, 54, 56, 52, 56, 52, 54, 57, 55, 50, 58, 56, 51, 57, 52, 56 mm) and 24 slimy sculpin collected

Summary of 1989 Sampling - anadromous fish present with high use by juvenile chinook salmon documented in Tough Luck Creek after confluence with outlet waters from shallow material site, **recommend retaining lower portion of creek in the catalog**



(CIRCLE A-6)

Mapped, edited, and published by the Geological Survey  
 Control by USGS and USC&GS  
 Topography by photogrammetric methods from aerial photographs taken 1951, field annotated 1954. Map not field checked  
 Universal Transverse Mercator projection, 1927 North American Datum  
 10,000-foot grid based on Alaska coordinate system, zone 3  
 1000-meter Universal Transverse Mercator grid ticks, zone 6, shown in blue  
 Land lines represent unsurveyed and unmarked locations predetermined by the Bureau of Land Management Folio F-7, Fairbanks Meridian  
 To place on the predicted North American Datum 1983 move the projection lines 46 meters north and 115 meters east



FOR SALE BY U. S. GEOLOGICAL SURVEY  
 FAIRBANKS, ALASKA 99701, DENVER, COLORADO 80225, OR RESTON, VIRGINIA  
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQU