

Approved

Name of Waterway HORSE CREEK  
 AWC# of Waterway 334-40-11000-2490-  
3151-4020-5296  
 AWC Volume & Number \_\_\_\_\_  
 USGS Quad CIRCLE B-5  
 Addition \_\_\_\_\_ Correction \_\_\_\_\_  
 Deletion X Change \_\_\_\_\_  
 Change to \_\_\_\_\_ Atlas  
 \_\_\_\_\_ Catalog  
X Both

N. Helt 10/4/89  
 Regional Supervisor Date  
90 101  
SJS 12/13/89  
 FI  
 Drafted

OK

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: N. Helt Celan H. Townsend  
 Address: 1300 Colledge Road  
Fairbanks, AK 99701

ALASKA DEPT. OF  
 FISH & GAME

OCT 11 1989

REGION II  
 HABITAT DIVISION

## RUBY CREEK

Location - Circle B-5, Section 34, T6N, R6E, FM

Sample Reach - 100 ft reach immediately upstream of confluence of Ruby Creek and Sourdough Creek

Sample Gear - electroshocker

Anadromous Catalog - sample reach not in catalog

Description of Sample Reach and Observations - cobble/silt/gravel with minimal bank vegetation, portion of old diversion ditch, Ruby Creek recently diverted through a rehabilitated area previously placer mined, a 2-3 ft waterfall exists between the upper part of Ruby Creek and the old diversion ditch, aquatic habitat rated #2

Sample on July 27, 1989 - water clear (49 F), discharge 3 cfs, 25 arctic grayling (135, 139, 135, 151, 149, 227, 159, 136, 144, 159, 107, 139, 193, 155, 130, 131, 99, 134, 102, 180, 141, 143, 162, 130, 154 mm), 7 chinook salmon (63, 61, 60, 59, 63, 61, 55 mm), and 9 slimy scuplin collected and released

Summary of 1989 Sampling - anadromous fish habitat present with use by chinook salmon documented, recommend adding the lower portion of Ruby Creek to the catalog

## HORSE CREEK

Location - Circle B-5, Section 3, T5N, R6E, FM

Sample Reach - 200 ft reach from mouth of Horse Creek upstream

Sample Gear - electroshocker

Anadromous Catalog - sample reach in catalog

Description of Sample Reach and Observations - gravel and cobble (angular material), overhanging vegetation, no fish barriers observed, aquatic habitat rated #2

Sample on July 13, 1989 - water clear (47 F), discharge 1 cfs, 5 slimy sculpin collected and released

Sample on July 28, 1989 - water clear (41 F), discharge 2 cfs, 19 slimy sculpin collected and released

Summary of 1989 Sampling - anadromous fish habitat not present, recommend deletion of Horse Creek from the catalog