

Nomination for Waters
Important to Anadromous Species

Year of Revision
1990

Approved

Name of Waterway MODOC CREEK
334-40-11000-2490-
 AWC# of Waterway 3151-4020-5276
 AWC Volume & Number Interim VI
 USGS Quad CIRCLE B-6

<u>AL Ott</u>	<u>10/3/89</u>
Regional Supervisor	Date
<u>90 94</u>	
Drafted	

Addition _____ Correction _____
 Deletion _____ Change _____
 DATA X
 Change to _____ Atlas
 _____ Catalog
 _____ Both

ALASKA DEPT. OF
FISH & GAME

OCT 11 1989

REGION II

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

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

ATTACHED

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: AL Ott Al Townsend
 Address: 1300 Colledge Road
Fairbanks, AK 99701

MODOC CREEK

Location - Circle B-6, Section 8, T5N, R6E, FM

Sample Reach - 200 ft reach from mouth (branch of Modoc Creek that enters Chatanika River at the downstream location) of Modoc Creek upstream

Sample Gear - electroshocker

Anadromous Catalog - sample reach in catalog

Description of Sample Reach and Observations - cobble/gravel with silt substrate, stream bank vegetation along one bank, no fish barriers observed (one active beaver dam 200 ft upstream of mouth was not a barrier to fish) in lower portion of creek (barriers do exist upstream), aquatic habitat rated #2

Sample on August 4, 1989 - water clear (49 F), discharge 1 cfs, 42 slimy sculpin and 28 chinook salmon (65, 62, 59, 61, 66, 51, 67, 67, 61, 63, 65, 60, 62, 65, 60, 64, 69, 65, 62, 58, 63, 63, 44, 57, 61, 62, 61, 66 mm) collected and released, numerous small slimy sculpin (less than 40 mm) present

Summary of 1989 Sampling - anadromous fish habitat present with high use by juvenile chinook salmon documented, recommend retaining sample reach in catalog

MODOC CREEK

Location - Circle B-6, Section 8, T5N, R6E, FM

Sample Reach - 300 ft reach located immediately upstream from confluence of Modoc Creek and Chatanika River

Sample Gear - electroshocker

Anadromous Catalog - sample reach in catalog

Description of Sample Reach and Observations - gravel/cobble/silt/debris substrate with beaver dam and associated pond, overhanging vegetation, beaver dam partial/complete barrier to fish passage, stream splits into two channels immediately above beaver dam, aquatic habitat rated #2

Sample on July 21, 1989 - water clear (44 F), discharge 1 cfs, 9 slimy sculpin collected and released and five arctic grayling (150 - 300 mm) observed upstream of first beaver dam

Summary of 1989 Sampling - anadromous fish habitat present, distribution limited by beaver dams, recommend no change to the catalog

MODOC CREEK

Location - Circle B-6, Section 8, T5N, R6E, FM

Sample Reach - 50 ft reach located about 1/8 mile from confluence of Modoc Creek and Chatanika River

Sample Gear - electroshocker

Anadromous Catalog - sample reach in catalog

Description of Sample Reach and Observations - gravel/cobble/silt/debris substrate, overhanging vegetation, beaver dam partial/complete barrier to fish passage located above sample reach, stream splits into two channels immediately above beaver dam, aquatic habitat rated #1

Sample on July 21, 1989 - water clear (44 F), discharge 1 cfs, 1 chinook salmon (57 mm) collected (mortality, not released), several slimy sculpin observed

Summary of 1989 Sampling - anadromous fish habitat present with use by juvenile chinook salmon documented, distribution limited by beaver dams, **recommend no change to the catalog**

LITTLE CARIBOU CREEK

Location - Circle B-6, Section 5, T5N, R6E, FM

Sample Reach - immediately above and below Steese Highway

Sample Gear - visual

Anadromous Catalog - sample reach (downstream of road) in catalog

Description of Sample Reach and Observations - gravel, overhanging vegetation, high gradient, aquatic habitat rated #0

Sample on July 13, 1989 - no surface flow present above or below road crossing

Sample on July 21, 1989 - surface flow, intermittent present for about 50 feet below road crossing, no flow at confluence with Chatanika River

Sample on August 4, 1989 - no surface flow at confluence with Chatanika River

Summary of 1989 Sampling - anadromous fish habitat not present, recommend that this stream be deleted from the catalog