83-692

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

[X] Addition  [ ] Deletion

Name of Waterbody (if known): RED LAKE SYSTEM 106-41-10300

Location: NORTHERN PRINCE OF WALES ISLAND
SUMNER STRAIT, SOUTHEAST ALASKA

Anadromous Waters Catalog Volume and Number SOUTHEAST REGION REVISED APRIL 1982

USGS 1:63,360 Quadrangle PETERSBURG A-4

or 1:250,000 (if 1:63,360 not available) _____

| Species | Date(s) Observed | Stage(s) (Spawning, Rearing, Migration) |
|---|---|---|
| SOCKEYE | 20 SEPT 1982 | SPAWNING |
| | | |
| | | |
| | | |

Comments: Please provide any clarifying information in addition to identification on Anadromous Waters Catalog Public Review Maps.

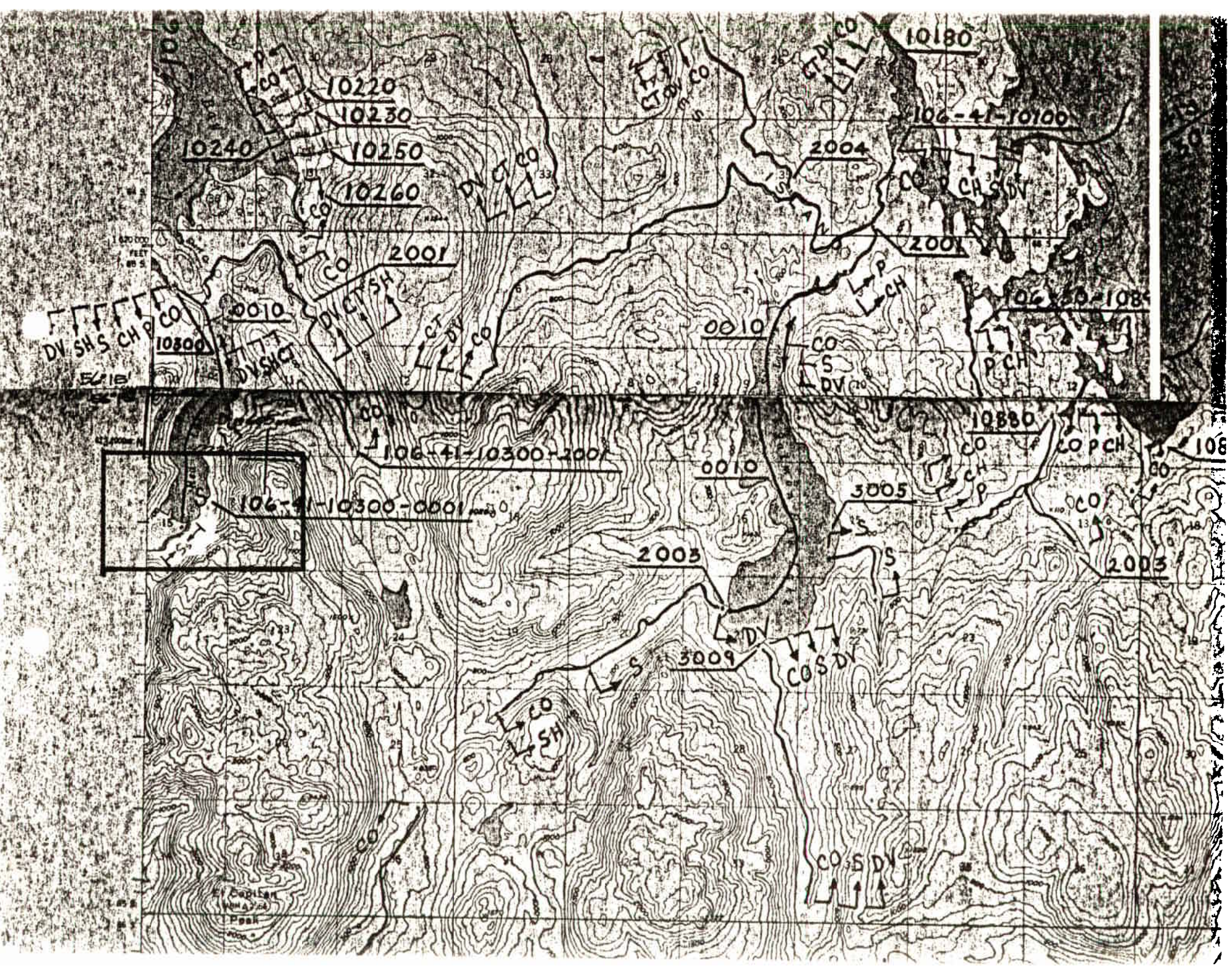
FOOT SURVEY OF RED LAKE AND ITS OUTLET & INLET STREAMS

Name of Observer (please print) CHET MATTSON, DON MORTENSEN, TOM MURTAG, JOHN EILER

Date: 6 JAN 1983 Signature: John H Eiler

Stephen H Hoffman ADF&G

Drafted Jew 2/83


10180
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0010
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10880
0010
3005
2003
2003
3009
CO S DV
CO S DV
CO SH
DV SH S CH P CO
DV CT SH
CT DV CO
CO P CH S DV
CO S DV
CO P CH
CO CH P
CO
S
DV
P CH
CO
El Capitan
Peak

SOCKEYE SYSTEM SURVEY FORM
U.S. / CANADA RESEARCH

System Name RED LAKE Date 9/20/82
Stream Catalog No. 106-41-030 Geodetic Map No. PETERSBURG A4, B4
Stream Location(s) RED CREEK (INLET)
NORTH CREEK (100 M BELOW LAKE ENTERING THE OUTLET STREAM
SHORELINE (1/4 MI OF SOUTHEASTERN SIDE OF LAKE SURVEYED),
SMALL CREEK (EAST OF RED CREEK)
OUTLET STREAM

(note letters also)

| System Section | Distance Surveyed | Species | Stream Live | Stream Dead | Obs. Secondary Tags Live Fish | Obs. Secondary Tags Dead Fish | Rec. Primary Tags Live Fish | Rec. Primary Tags Dead Fish |
|---|---|---|---|---|---|---|---|---|
| RED CR. | 0.7 MI | SOCKEYE | 577 | 1540 | - | - | - | - |
| NORTH CR. | 0.5 MI | " | 42 | 24 | - | - | - | - |
| SHORELINE | 0.25 MI | " | 591 | 37 | - | - | - | - |
| SMALL CR. | 0.3 MI | " | 79 | 8 | - | - | - | - |
| OUTLET | 0.. MI | " | - | - | - | - | - | - |
| | | | | | | | | |
| Totals | 1.75 | | 1289 | 1609 | | | | |

Primary Tags Observed NONE Species

Water Level Low ✓ Normal ___ High ___ Water Visibility Fair ✓ Normal ___ Poor ___

Fish Migration Barrier(s) NONE OBSERVED

Spawning Density Low ___ Normal ✓ High ___

Comments (stream obstrucions, characteristics, etc.) STREAM SPAWNING AT MODERATE LEVELS & WELL PAST PEAK. UPPER RED CREEK WAS A GOOD SPAWNING STREAM WITH LARGE AREAS OF SUITABLE GRAVEL. STREAM FLOW WAS LOW, BUT ADEQUATE FOR SPAWNING.

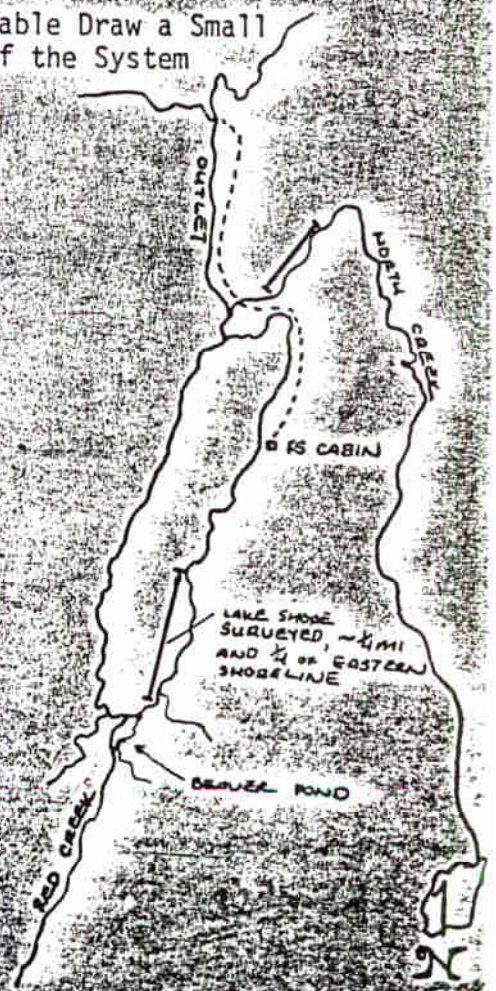
SMALL STREAM WEST OF RED CREEK HAD GOOD GRAVEL FOR SPAWNING, BUT WAS ALMOST DRY DUE TO LOW WATER LEVEL.

THE CREEK JUST EAST OF RED CREEK WAS SLOUGH-LIKE & OVERGROWN WITH VEGETATION, BUT HAD GRAVEL BOTTOM IN SECTIONS. 87 SOCKEYE WERE OBSERVED.

1/4 MI OF SHORELINE ON THE EASTERN SIDE OF THE LAKE (~1/4 OF THE EASTERN SHORE) WAS SURVEYED. EXTENSIVE SPAWNING WAS OBSERVED. THE PERCENTAGE OF LIVE FISH OBSERVED WAS MUCH HIGHER THAN THAT OBSERVED IN THE SOUTHERN STREAMS, INDICATING LATER SPAWNING IN THE LAKE THE REST OF THE LAKE APPEAR TO BE SIMILAR TO THE AREA SURVEYED.

NORTH CREEK AN AREA WITH EXCELLENT CONDITIONS FOR SPAWNING, WAS LIGHTLY USED BY SOCKEYE. HOW-

If Applicable Draw a Small Map of the System

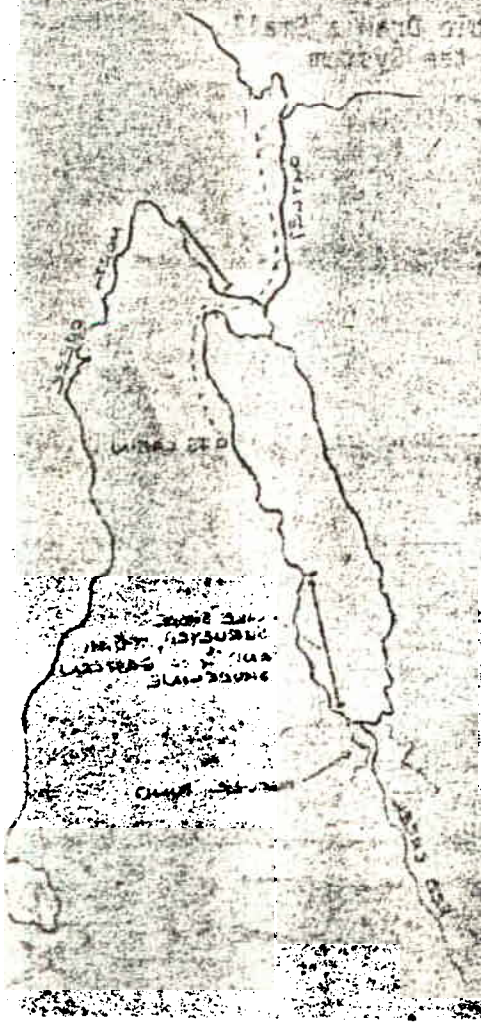



If any tags were recovered please note the tag numbers and species on the back of this form

SURVEYED BY MATTSON, MURTAGH, MORTENSEN & EILER

EVER, THE SURVEY WAS CUT SHORT WHEN A LARGE BLACK BEAR WAS ENCOUNTERED.

A GOOD TRAIL WAS PRESENT ON THE EASTERN SIDE OF THE OUTLET STREAM LEADING FROM THE FS CABIN TO THE BEACH. A FS BOAT WAS SPOTTED FROM THE AIR, BUT ITS CONDITION IS NOT KNOWN.

WE FLOATED OUR INFLATABLE RAFT DOWN THE OUTLET STREAM, BUT THE DOWNED TIMBER MADE IT ROUGH GOING.

THE MUD FLATS IN THE ESTUARY ARE EXTENSIVE. WE ALMOST HIGH CENTERED OUR BOSTON WHALER IN THE INTERTIDAL ZONE WHEN THE TIDE STARTED TO EBB. SHOULD BE AWARE OF THIS PROBLEM IN THE FUTURE.