**State of Alaska**
**Department of Fish and Game**
**Sportfish Division**

**Nomination Form**
**Fish Distribution Database**

ALASKA DEPT. OF FISH & GAME
JAN 2 3 2008

Region: Interior

USGS Quad(s): Big Delta B6

Fish Distribution Database Number of Waterway: 334-40-11000-2490-3338 - 4202

Name of Waterway: 5 Mile Clear Creek ~~or 5 Mile Clearwater Creek~~

☐ USGS Name ☑ Local Name

☑ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

| | | |
|---|---|---|
| Nomination # CB-056 | | 10/6/08 |
| | ADF&G Fisheries Scientist | Date |
| Revision Year: 2009 | | 10/6/08 |
| Revision to: Atlas ___ Catalog ___ Both X | ADNR OHMP Operations Mgr. | Date |
| | | 8/29/08 |
| | FDD Project Biologist | Date |
| Revision Code: A-1, ~~A-4~~, B-1 | | 10/9/08 |
| | Cartographer | Date |

OBSERVATION INFORMATION

| Species | Date(s) Observed | Spawning | Rearing | Present | Anadromous |
|---|---|---|---|---|---|
| Coho Salmon | 27 June, 2007 | | 5 | | ☑ |
| Coho Salmon | 22 August, 2007 | | 4 | | ☑ |
| Coho Salmon | 11 September, 2007 | | 5 | | ☑ |
| Coho Salmon | 2 October, 2007 | X | | X | ☑ |
| | | | | | ☐ |

**IMPORTANT:** Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

**Comments:** See data sheet and map. Photos included.
June, August, and September 2007 - Coho salmon captured in seine or dipnet (all juveniles). Other species noted on data sheet.
October, 2007 aerial survey - 250 non-spawning coho salmon , 450 spawning coho salmon. See notes on attached A-Y-K Salmon Escapement Observations form.

Add local name 5 mile Clear Creek to - 4202
Extend 334-40-11000-2490-3338-4202 w/
Coho salmon present or spawning add CCR to - 4202

Name of Observer (please print): Raymond F. Hander
Signature: Raymond F. Hander
Date: 25 Jan. 2008
Agency: U.S. Fish and Wildlife Service
Address: 101 12th Ave, Room 110
Fairbanks, AK 99701

This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Fish Distribution Database.

Signature of Area Biologist: _____ Date: _____
Name of Area Biologist (please print):

Revision 02/05

# 5 Mile Clear Creek

Site 2
downstream

Site 2
upstream

Site 3

Site 4

## Tanana Flats 2007 Field Sheet: Aquatic Habitat Assessment

| | | |
|---|---|---|
| Project:Tanana Flats Inventory | Waterbody Name: 5 Mile Clear Cr | Investigators:R. Hander, A. Ajmi, M. Helfrich |
| Date: 22 Aug 2007 | | |
| Sample Site Number: 075CC0031B | (Should be same as Fisheries data sheet) | |

### Field Conditions / Water Quality

**Stream Stage**

**DDC:** Dry, Defined Channel (Channel morphology present (e.g., bed and bank structure; substrate particle size and surficial morphology indicative of intermittent flow); however, no surface water present at time of visit.)
**DNC:** Dry, No Defined Channel (Channel morphology not present (e.g., no bed and bank structure; substrate particle size and surficial morphology not indicative of intermittent flow); no surface water.)
**HIH:** High (Channel morphology present. Water surface at ordinary high water or higher.)
**LCF:** Low, Continuous Surface Flow (Channel morphology present. Most or all of channel banks above water surface. Surface flow continuous.)
**LDF:** Low, Discontinuous Flow (Channel morphology present. Most or all of channel banks above water surface. Surface flow discontinuous.)
**MED:** Medium (Channel morphology present. Water level between Low and High.)
**WNC:** Wet, No Defined Channel (Distinct channel morphology not present; soil wet to saturated, or standing water present.)

Stream Stage: Medium

**Water Color:**
**CLR** (Clear- Transparent water, or nearly so.)
**FER** (Ferric- Rust- [orange] stained)
**GHT** (Glacial, High Turbidity- High turbidity waters (visibility ≤ 30 cm (12 in)
**GLT** (Glacial, Low Turbidity- Low turbidity waters (visibility > 30 cm)
**HUM** (Humic- Tea-colored water (tannic) MUD (Muddy- Dark water with high suspended particulate load)

Water Color: Clear

**OHW Width (m)**
Directly measure at a representative transect in the immediate vicinity of the station using appropriate measuring tools. The ordinary high water surface is located where the presence and action of frequent (typically < 2 y return intervals) high water events is so common and usual as to leave a natural line or mark on the bank as indicated by erosion, shelving, changes in soil characteristics, destruction of terrestrial vegetation, or other distinctive physical characteristics. Often the OHW level corresponds to the distributional limit of terrestrial riparian vegetation.

OHW Width (m): 17

**Wetted Width (m)**
Directly measure the width of the water surface at a representative transect in the immediate vicinity of the station using appropriate measuring tools.

Wetted Width (m): 16

Channel Depth (m): 0.96

**Water Body Type: 1** Pool | **2** Run | **3** Riffle | **4** Tahlweg | **5** Eddie |

Water Body Type: 2

**Substrate Composition: Wentworth Size Class Millimeters:**
**Cobble: 64-256**
**Pebble: 4-64**
**Granule: 2-4**
**Sand: .06-2**
**Silt: .039**
**Clay: less than .004**

Dominant Substrate Composition: pebble

Sub-dominant Substrate Composition: sand

| | |
|---|---|
| Air Temp (°C): N/A | Water Temp (°C):6.5 |
| Conductivity (µS/cm): N/A | |

## Tanana Flats 2007 Field Sheet: Fisheries Data

| | | | |
|---|---|---|---|
| Date: 11 Sept 2007 | Project: Tanana Flats Inventory | Waterbody Name: 5 Mile Clear Cr | Investigators:R. Hander, A. Ajmi, M. Helfrich |
| Time (24 h clock):1440 | Sample Site Number: 075CC0031B | (Should be same as Aquatic Hab.data sheet) | |
| GPS Location: Lat(N): 64.34584 | Long(W) 146.97375 | WGS 84 Datum | |

| | DATE | | TIME | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| GEAR TYPE | START | STOP | START | STOP | SPECIES | FL (mm) | LIFE STAGE | SAMPLE (Y/N) | SAMPLE # | COMMENTS |
| siene | | | | | SCO | 51 | Juvenile | y | | species ID via pyloric caeca count |
| siene | | | | | SCO | 47 | Juvenile | n | | |
| siene | | | | | SCO | 50 | Juvenile | y | | species ID via pyloric caeca count |
| siene | | | | | SCO | 69 | Juvenile | y | | species ID via pyloric caeca count |
| | | | | | SCO | 54 | Juvenile | y | | species ID via pyloric caeca count |
| | | | | | SCO | 58 | Juvenile | y | | species ID via pyloric caeca count |

SPECIES CODES: SCM=chum | SCO=coho | SCK=chinook | CDV= dolly varden | GRA=grayling | USL=slimy sculpin | WSF=sheefish | WRW=round whitefish | WBW=broad whitefish | WHW=humpback whitefish | WLC=least cisco | PNP=burbot | ABF=Alaska blackfish | LNS=longnose sucker | NPK=northern pike

Field Exempt/ Complete in Office:

Entered By:

Date Entered:

## Tanana Flats 2007 Field Sheet: Fisheries Data

| | | | |
|---|---|---|---|
| Date: 27 June 2007 | Project: Tanana Flats Inventory | Waterbody Name: 5 Mile Clear Cr | Investigators:R. Hander, A. Ajmi, M. Helfrich |
| Time (24 h clock):1526 | Sample Site Number: 075CC0031A | (Should be same as Aquatic Hab.data sheet) | |
| GPS Location: Lat(N): 64.34584 | Long(W) 146.97375 | WGS 84 Datum | |

| | DATE | | TIME | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| GEAR TYPE | START | STOP | START | STOP | SPECIES | FL (mm) | LIFE STAGE | SAMPLE (Y/N) | SAMPLE # | COMMENTS |
| siene | | | | | SCO | 42 | Juvenile | n | | |
| siene | | | | | SCO | 51 | Juvenile | n | | |
| visual obs | | | | | GRA | | Adult | | | |

SPECIES CODES: SCM=chum | SCO=coho | SCK=chinook | CDV= dolly varden | GRA=grayling | USL=slimy sculpin | WSF=sheefish | WRW=round whitefish | WBW=broad whitefish | WHW=humpback whitefish | WLC=least cisco | PNP=burbot | ABF=Alaska blackfish | LNS=longnose sucker | NPK=northern pike

Field Exempt/ Complete in Office:

Entered By:

Date Entered:

# United States Department of the Interior

FISH AND WILDLIFE SERVICE
Fairbanks Fish and Wildlife Field Office
101 12th Avenue, Room 110
Fairbanks, Alaska 99701

IN REPLY REFER TO:
Ray Hander

Memorandum

To: J. Johnson

From: Ray Hander
Fishery Biologist
Fisheries and Habitat Restoration Branch

Date: 25 January 2008

Subject: FDD Nominations

Hello J,
Please find enclosed three Fish Distribution Database nomination (FDDN) packets for Tanana River flats area inventory work that was conducted during 2007. I have contacted Audra Brase and am following her direction on routing these FDDNs to you for review. Once you have completed your review, pending any editing or additional materials needed, it is my understanding that you then forward them to Audra for her approval signature.

Please contact me with any questions or comments you have, phone – 907-456-0402 or ray_hander@fws.gov.

Thank you for the help,

Sincerely,

Raymond L. Hander

Ray Hander

ALASKA DEPT. OF
FISH & GAME
JAN 2 0 2008

## Tanana Flats 2007 Field Sheet: Fisheries Data

| | | | |
|---|---|---|---|
| Date: 27 June 2007 | Project: Tanana Flats Inventory | Waterbody Name: 5 Mile Clear Cr | Investigators:R. Hander, A. Ajmi, M. Helfrich |
| Time (24 h clock):1350 | Sample Site Number: 075CC0021A | (Should be same as Aquatic Hab.data sheet) | |
| GPS Location: Lat(N): 64.33325 | Long(W) 146.95488 | WGS 84 Datum | |

| | DATE | | TIME | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| GEAR TYPE | START | STOP | START | STOP | SPECIES | FL (mm) | LIFE STAGE | SAMPLE (Y/N) | SAMPLE # | COMMENTS |
| siene | | | | | SCO | 46 | Juvenile | n | | |
| siene | | | | | SCO | 44 | Juvenile | n | | |
| siene | | | | | SCO | 48 | Juvenile | n | | |

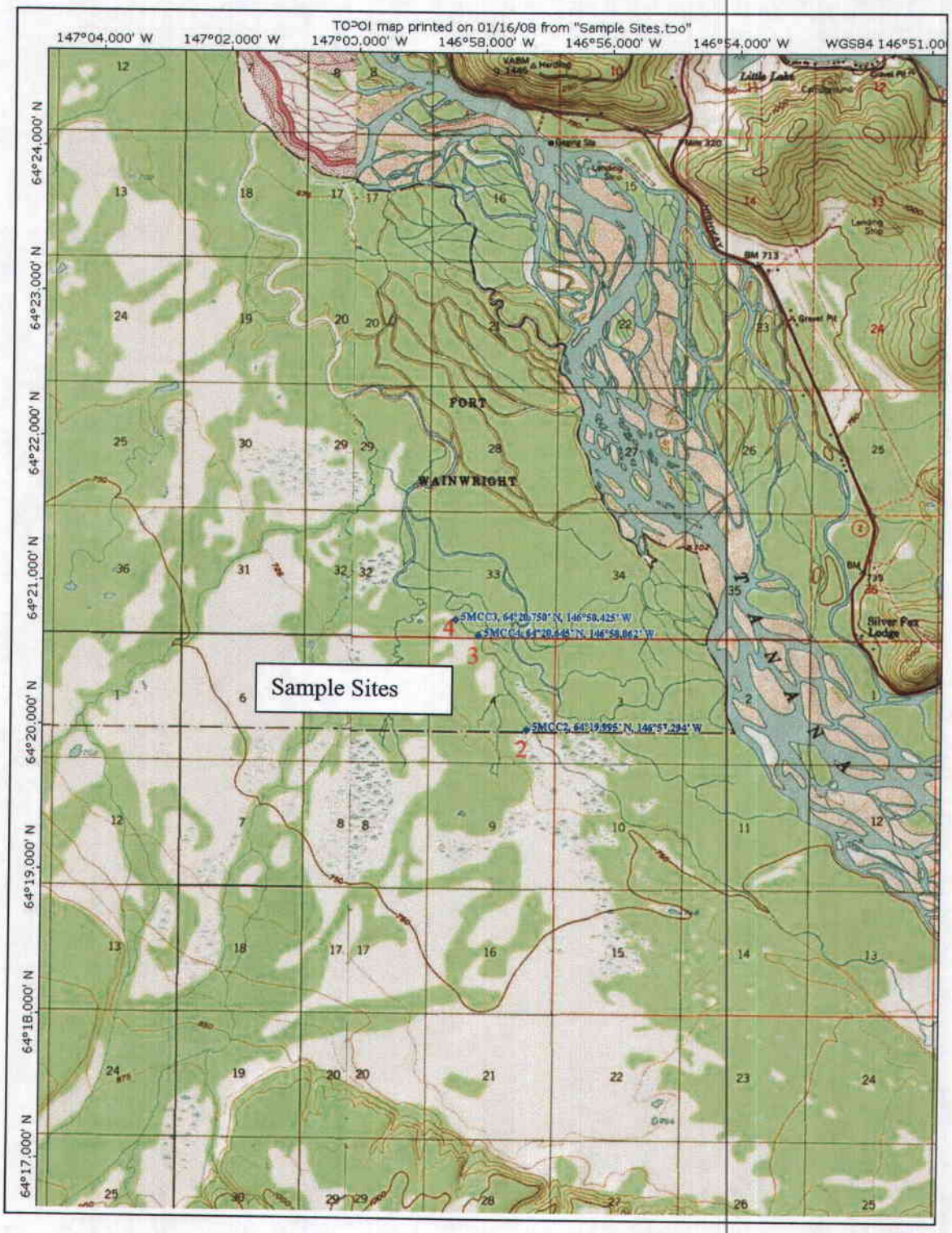
SPECIES CODES: SCM=chum | SCO=coho | SCK=chinook | CDV= dolly varden | GRA=grayling | USL=slimy sculpin | WSF=sheefish | WRW=round whitefish | WBW=broad whitefish | WHW=humpback whitefish | WLC=least cisco | PNP=burbot | ABF=Alaska blackfish | LNS=longnose sucker | NPK=northern pike

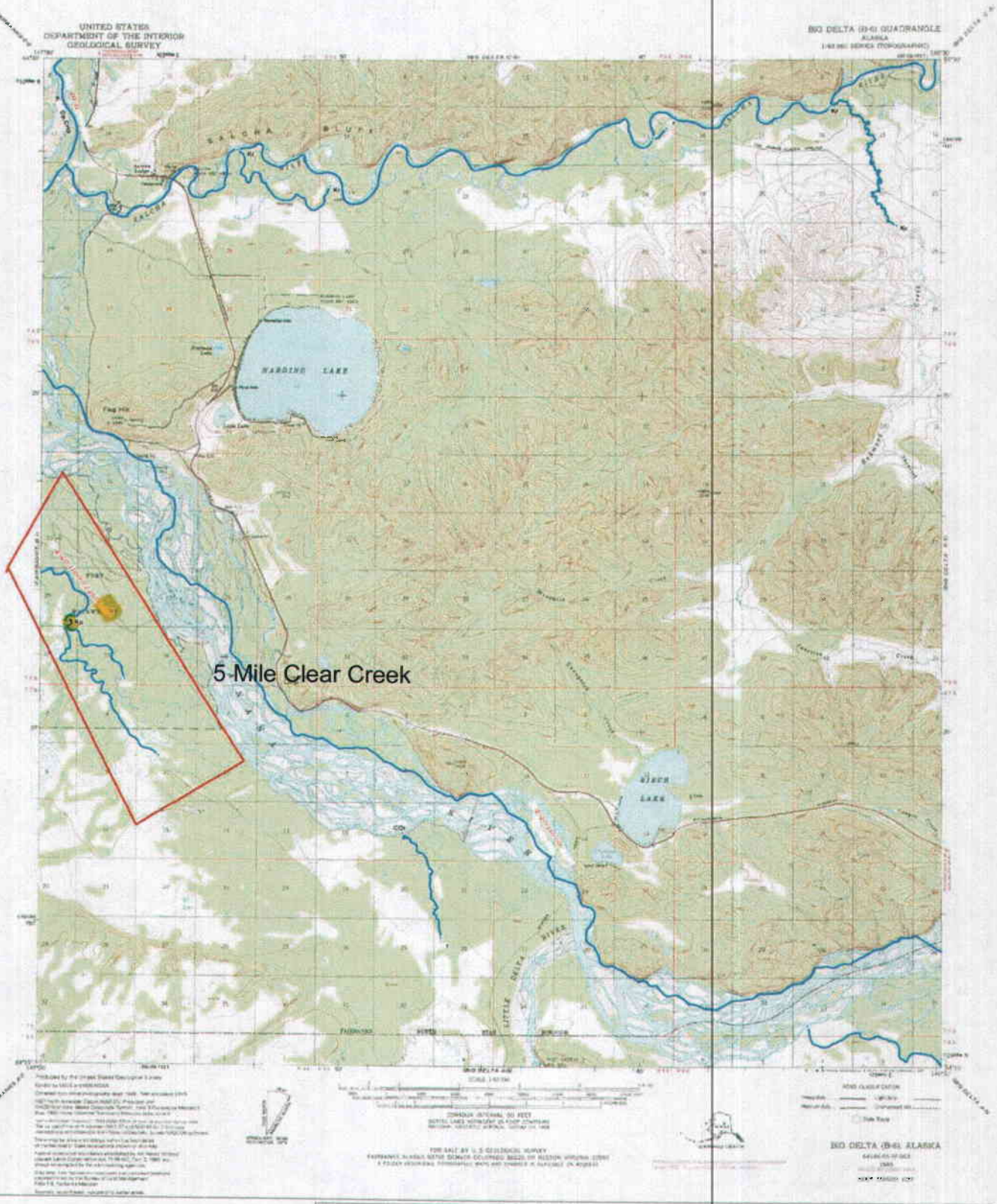
Field Exempt/ Complete in Office:

Entered By:

Date Entered:

2007, 5 Mile Clear Creek Sample Sites, 2, 3, and 4






- Lower/Upper Point of Stream
- Midstream Species Begin/End Point
- Short Stream (Under 660 feet)
- Lake
- Barrier
- Anadromous Streams
- Anadromous Areas
- AWC Stat Area
- Regional Boundary

Waters Important to Anadromous Fish are listed pursuant to AS 41.14.870. Specified species distribution and life functions reflect known data. Actual distribution and use may extend beyond specified limits. Migration upstream and/or downstream is assumed for specified stream reaches.

**SPECIES CODES**

| | | | |
|---|---|---|---|
| CO | coho salmon | ST | sturgeon |
| CH | chum salmon | A | Arctic lamprey |
| K | chinook salmon (king) | LP | lamprey (unidentified) |
| P | pink salmon | P | Pacific lamprey |
| S | sockeye salmon | LV | river lamprey |
| AC | Arctic char | | |
| CT | cutthroat trout | | |
| D | Dolly varden | | |
| SH | steelhead | | |
| SF | kokanee (sheefish) | | |
| W | whitefishes | | |
| O | eulachon | | |
| SM | smelts | | |

**LIFE STAGE CODES**

| | |
|---|---|
| p | Present |
| m | Migration |
| r | Rearing |
| s | Known Spawning |

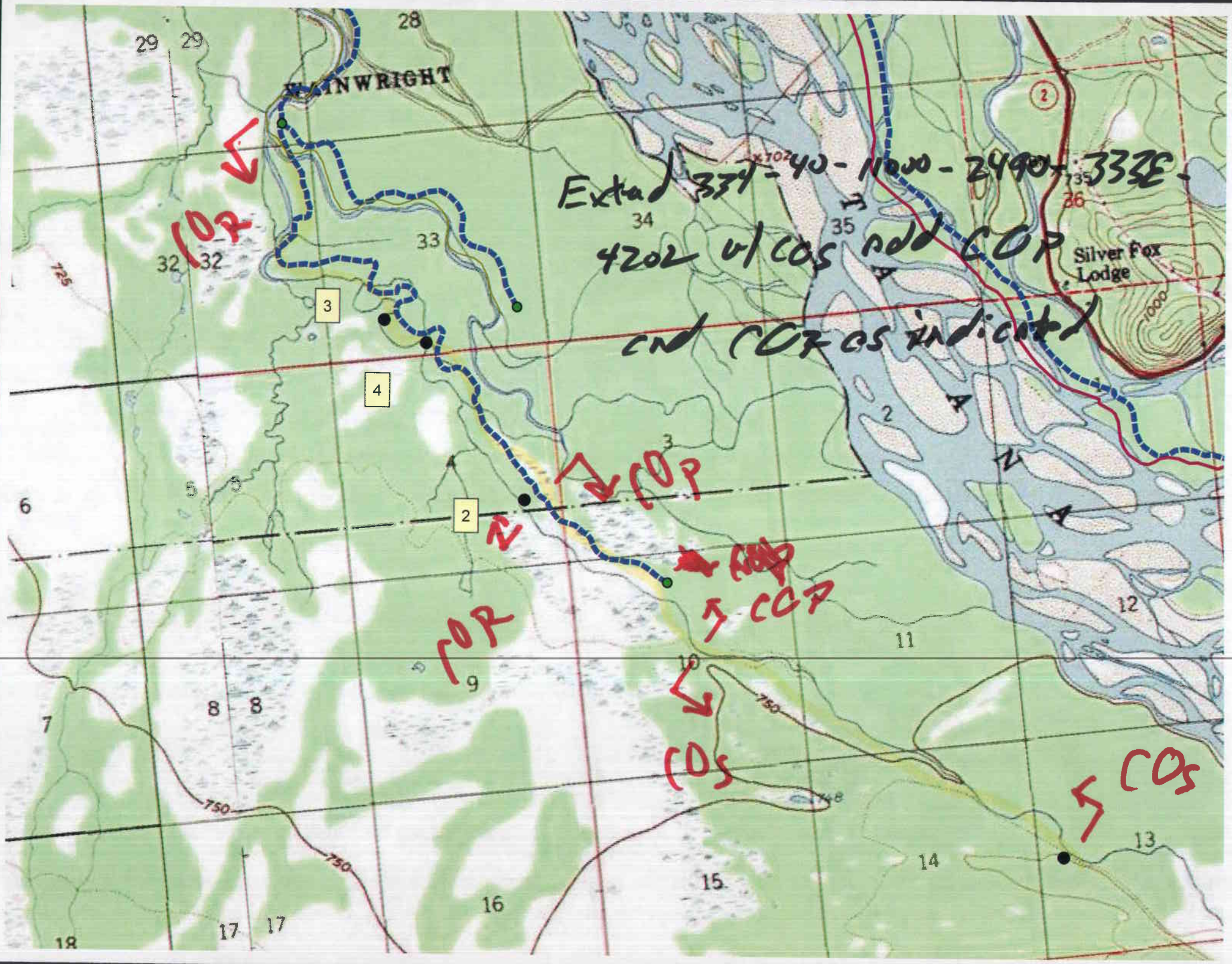
Produced by
State of Alaska
Department of Fish and Game

**Fish Distribution Database Atlas**

*Quad No. 95*

# Big Delta
# B-6

Revision Date 04/28/2006


WAINWRIGHT
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