

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

84-115
 Year of Revision

Name of Waterway Delta Creek
 AWC# of Waterway 11000 283-32-11000
 AWC Volume & Number Southwestern Region 3
 USGS Quad Cold Bay, Alaska
 Addition _____ Correction _____
 Deletion X Change X
 Change to X Atlas
 _____ Catalog
 _____ Both

Approved

Regional Supervisor	Date
Drafted	

Species	Date(s) Observed	Spawning	Rearing	Migration
Chum	see Below	X	X	X
Pink	see Below	X		
Silver	see Below	X	X	X

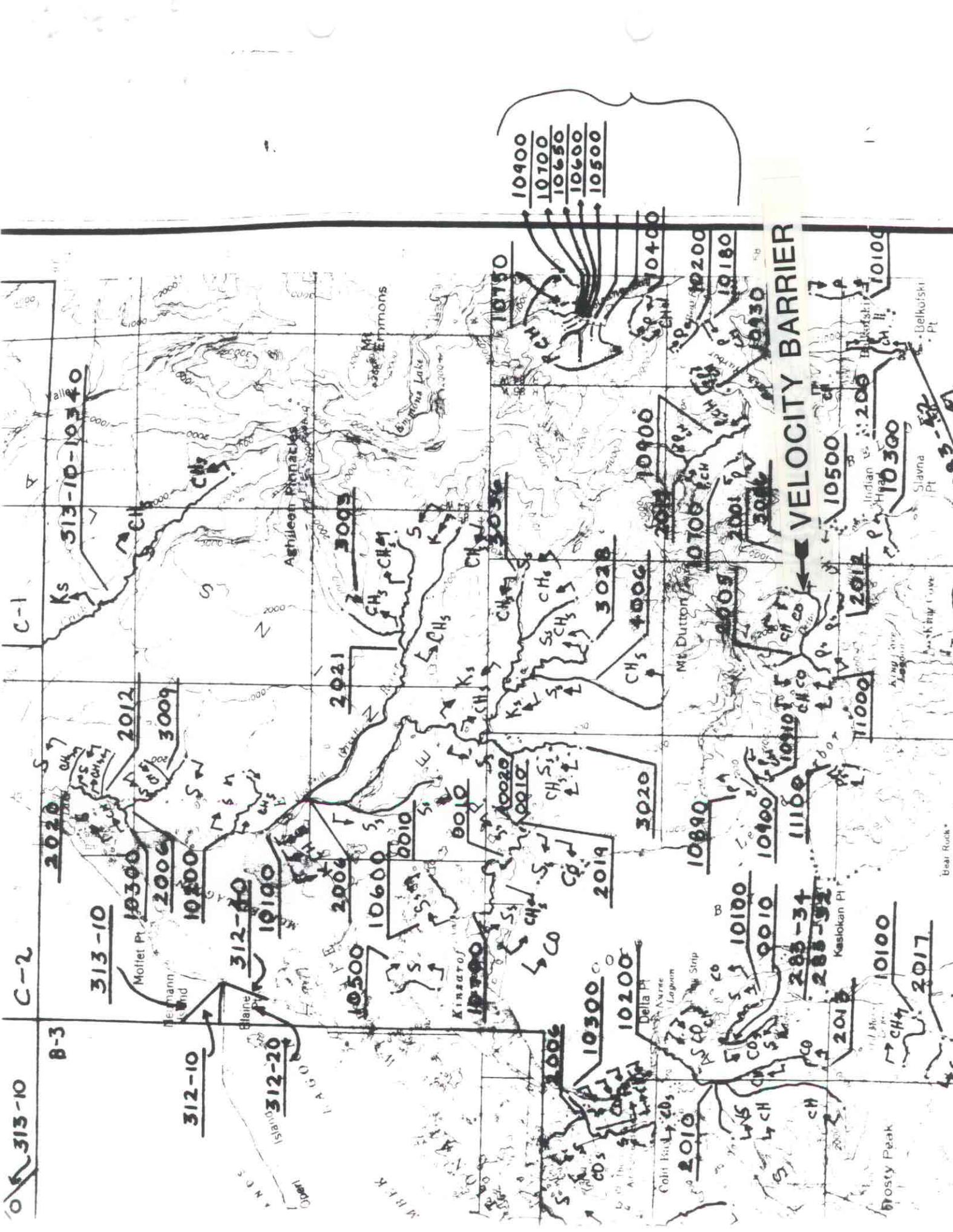
Comments: Provide any clarifying information, including number of fish observed, location of fish survey data, etc.

The area in question was walked and/or minnow trapped September 17-18, 1981; October 12-16, 1981; August 24-26, 1982; and October 11-15, 1982. No adult silver, pink or chum salmon were seen and no juveniles were caught above an apparent velocity barrier in Delta Creek. The velocity barrier consists of a narrow chute through which Delta Creek passes. The chute exists near the upstream end of a berm constructed to protect the King Cove airstrip from Delta Creek. On September 11, 1981, Arnie Shaul, ADF&G Fisheries Biologist in Cold Bay stated that no spawning occurs in the area in question.

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) Laurel A. Bennett
 Date: 5/10/84 Signature: Laurel A. Bennett
 Address: 4040 "B" Street
Anchorage, AK 99503

MAY 15 1984
 HABITAT
 REGIONAL OFFICE



- 10400
- 10700
- 10650
- 10600
- 10500

VELOCITY BARRIER

C-1

C-2

B-3

313-10-10340

313-10

2012

3009

312-10

312-10

10190

2021

2006

10600

10010

10020

10010

10010

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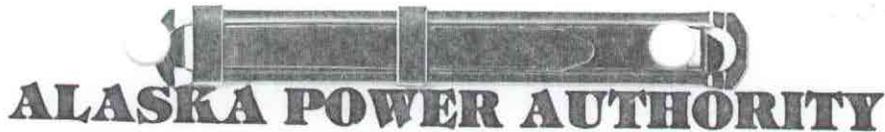
2020

3009

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2020



ALASKA POWER AUTHORITY

File

334 WEST 5th AVENUE - ANCHORAGE, ALASKA 99501

Phone: (907) 277-7641
(907) 276-0001

July 20, 1984

Denby Lloyd, Habitat Biologist
Department of Fish and Game
333 Raspberry Road
Anchorage, Alaska 99502

ALASKA DEPT. OF
FISH & GAME

JUL 31 1984

REGION IV
HABITAT DIVISION

Subject: Mitigation for the Proposed Small Hydro Project near
King Cove

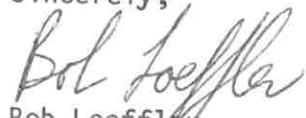
Dear Mr. Lloyd:

This letter is written to confirm the important points from our conversation of July 17. They are listed below.

1. From Bill Britt's memory and his conversation with Laurel Bennett, it seems that the velocity barrier on Delta Creek is several hundred feet above the proposed powerhouse location. The 19 pink salmon in Table 4 of DOWL's May 1984 environmental report were within that stretch. Therefore, the Alaska Power Authority's nomination of the entire stretch above the powerhouse for deletion from the Anadromous Fish Catalog is in error.
2. The limited anadromous fish resource between the powerhouse and the velocity barrier requires protection or mitigation appropriate to its value.
3. The road which follows Delta Creek and its tributary, Airport Creek, down to Leonard Harbor apparently crosses the creeks a number of times. Those portions of the creeks (below the powerhouse) are important anadromous resource for pink salmon. Rerouting portions of the road to go along side the creek--eliminating some stream fords--should provide inexpensive mitigation which outweighs the damage done to the area between the powerhouse and the velocity barrier.
4. The mitigation described above, along with appropriate design of the powerhouse and tailrace (i.e., design to minimize erosion, etc.) should provide mitigation that meets the requirements of AS16.05.870.

The four paragraphs above are the salient points of our conversation as I remember it. If your recollection is any different, please let me know.

Sincerely,


Bob Loeffler
Project Manager

BL/aw

cc: Lamarr Cotton, City Manager, King Cove
Mel Nichols, DOWL
Bill Britt, DOWL
Lance Trasky, Dept. of Fish and Game

MEMORANDUM

State of Alaska

ALASKA DEPT. OF
FISH & GAME

MAY 31 1984

HABITAT
REGIONAL OFFICE

TO: Bob Loeffler
Project Manager
Alaska Power Authority

DATE: May 29, 1984

FILE NO:

TELEPHONE NO: 267-2346

FROM: Lance L. Trasky
Regional Supervisor
Region IV
Habitat Division
Department of Fish and Game

SUBJECT: Environmental
Studies for Proposed
Delta Creek
Hydropower Project
(King Cove)

The Department of Fish and Game (ADF&G) has reviewed the King Cove Hydroelectric Project Feasibility Study - Continued Field Investigations of Delta Creek Aquatic Biology and Hydrology, submitted by DOWL Engineers to the Alaska Power Authority (APA) in May 1984. The report presents the results of two field trips to Delta Creek, made in August and October 1982.

FISHERIES

Information on fish distribution is confusing. Within the narrative some observations are described as "salmon," other observations for particular species are not associated with a date or specific locations as depicted on the map (Figure 2). We request that observations of fish be described separately from general discussions of habitat suitability, and that observations be keyed to specific locations plotted onto a detailed map and to specific dates.

FISHERY IMPACT

The discussion on fishery impact suggests that only Dolly Varden would be directly affected by the proposed project, however, pink salmon were also observed above the powerhouse (Table 4) and would therefore be affected by dewatering of the stream between the dam site and the powerhouse.

PUBLIC REVIEW NOMINATION FOR WATER IMPORTANT TO ANADROMOUS SPECIES

The proposed deletion of portions of Delta Creek from the Catalog of Waters Important for the Spawning, Rearing or Migration of Anadromous Fishes is unclear. The map included with the nomination form, at a scale of 1:250,000, indicates that the entire drainage upstream of the proposed powerhouse is recommended for deletion. However, according to information provided in this report (Table 4) pink salmon have been observed upstream of the proposed powerhouse site. Moreover, Dolly Varden are reported to occur not only above

the proposed powerhouse but also upstream of the proposed dam site. Has any effort been made to determine whether or not these Dolly Varden are anadromous, or has it been assumed that velocity barriers preclude movement of anadromous Dolly Varden into upper Delta Creek? We request that you resubmit your request for deletion, with the proposed upstream limit of anadromous fish distribution plotted onto a large scale map depicting project features, such as that presented in Figure 2.

In summary, we recommend that the referenced report on environmental studies regarding the proposed Delta Creek hydropower project be rewritten to clarify discussions of fish distribution, possible impacts to fish resources, and deletion of upper reaches of Delta Creek from the Anadromous Waters Catalog. Moreover, we recommend that mitigation alternatives be proposed to offset any losses likely to occur to fish resources due to construction of this project.

We appreciate the opportunity to comment on this report. If you have any specific questions, please contact Denby Lloyd (267-2333) or Lance Trasky (267-2346).

cc: ✓ P. Weber, ADF&G
A. Shaul, ADF&G

TO:	Name PHYLLIS WEBER	Dept./Div./Sect. H R-II	Mail Stop
FROM:	Name DENISY LLOYD	Dept./Div./Sect. H R-IV	Telephone x333
SUBJ.:	Delta Creek - Leonard Harbor - Gold Bay		Date 9 March 84

Do you have any record of the attached nomination form for the deletion of Delta Creek (Anad. No. 283-32-11000 and tributaries). Would you please pursue this matter, so that we will have a decision on whether or not Delta Creek will continue to be in the Anadromous Waters Catalog?

Thank you - Denby.

ALASKA DEPT. OF
FISH & GAME

MAR 12 1984

HABITAT
REGIONAL OFFICE

Janice doesn't agree.

ALASKA POWER AUTHORITY

334 West 5th Avenue,
2nd Floor
Anchorage, Alaska 99501

(907) 276-0001
(907) 277-7641

LETTER OF TRANSMITTAL

DATE	3/9/84	JOB NO.	490
ATTENTION	Denby Lloyd		
RE	Delta Creek - Deletion of part from "Waters Important to Anadromous Species" designation		
KING COVE PROJECT			

TO Denby Lloyd, Region ^{IV} 3 - Habitat Division
Alaska State Department of Fish & Game
333 Raspberry Road
Anchorage, AK 99502

GENTLEMEN:

- WE ARE SENDING YOU Attached Under separate cover via _____ the following items:
- Shop drawings Prints Plans Samples Specifications
- Copy of letter Change order _____

COPIES	DATE	NO.	DESCRIPTION
1	1/7/83		Nomination for Deletion of part of Delta Creek as designated "Waters Important to Anadromous Species" Copy of forms and two airphoto xeroxes

THESE ARE TRANSMITTED as checked below:

- For approval Approved as submitted Resubmitted _____ copies for approval
- For your use Approved as noted Submit _____ copies for distribution
- As requested Returned for corrections Return _____ corrected prints
- For review and comment _____
- FOR BIDS DUE _____ 19 _____ PRINTS RETURNED AFTER LOAN TO US

REMARKS

Denby, it would be helpful if I could include the determination of this request in my Findings and Recommendations which are being drafted this month. Your help is appreciated. I will keep in touch.

ALASKA DEPT. OF
FISH & GAME

MAR 09 1984

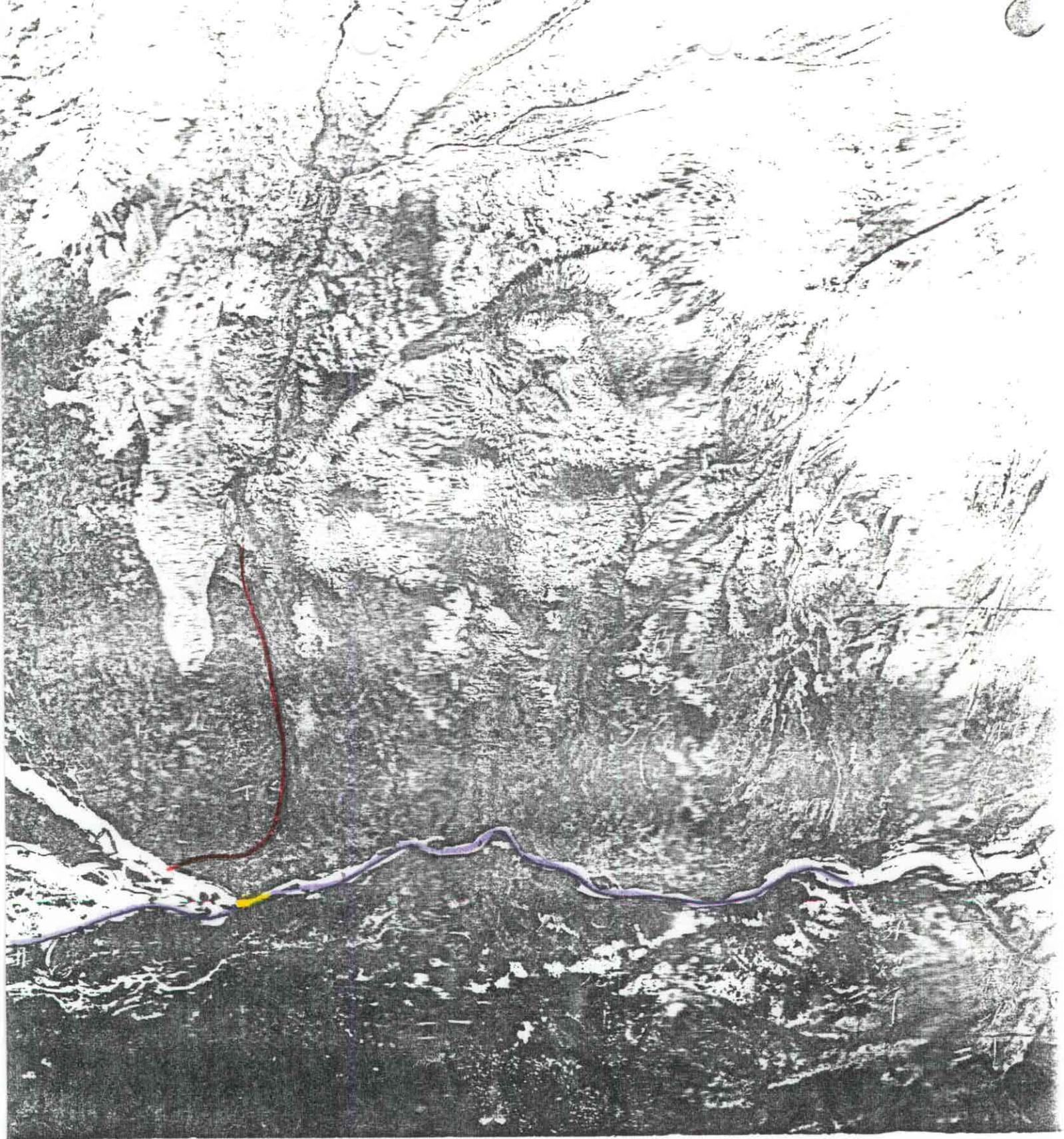
REGION IV
HABITAT DIVISION

COPY TO _____

SIGNED: Merlyn L. Paine

On August 24-26, 1982, I again walked that portion of the stream outlined in purple. I saw 13 chums at the mouth of tributary 2012 (outlined in red), but none above that point. I did see pink salmon in this section of the stream, but none above the yellow dot on the enclosed map.

On October 11-15, 1982, I walked Delta Creek from Lenard Harbor to the end of the stream as indicated on the 1:250,000 map. I saw no silvers above the right tributary (2012). Local residents indicated that tributary 2012 was utilized by silvers, but they weren't sure about any use of the mainstem above that junction.



283-32-11000-2012
-2005



↑ DeHeck

SN: VJY (4) 6/15 25 JUNE 1953 6" 20,750
50°00'N 140°00'W 0115Z-SAP, IN

Record of Telephone Conversation

Person Calling: Arnold Shaul Phone Number: 486-4791

Address: Comm Fish, Kodiak

Person Called: P. Weber Phone Number: X294

Address: R II Habitat

Date: March 20, 1984 Time: 2:50 pm

Subject: Delta Cr - APA's nomination

Comments/discussion:

Shaul has reviewed APA'S
nomination for a change to Delta Cr.
and he concurs with their information.
He will send the nomination back
with his signature.