



State of Alaska  
Department of Fish and Game  
Sportfish Division

Nomination Form  
Fish Distribution Database

ATCH 1

Region  USGS Quad(s)   
 Fish Distribution Database Number of Waterway   
 Name of Waterway   USGS Name  Local Name  
 Addition  Deletion  Correction  Backup Information

For Office Use

Nomination # <u>07-238</u>	ADF&G Fisheries Scientist	Date
Revision Year: <u>2006</u>		
Revision to: Atlas <input type="checkbox"/> Catalog <input type="checkbox"/>	ADNR OHMP Operations Mgr.	Date <u>10/29/07</u>
Both <input type="checkbox"/>	<i>[Signature]</i>	Date
Revision Code: <u>F-2</u>	FDD Project Biologist	Date
	Cartographer	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>

**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:** Request that the portion of Ship Creek above the Elmendorf dam be deleted from the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes and the Atlas to the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes. The Elmendorf dam, approximately 1,600 feet upstream from Reeve Boulevard, is comprised of two sheet pile dams approx 130 feet wide, with a total height of approx 12 feet, and is a complete barrier to upstream fish passage.  
 - A second dam upstream from the Elmendorf dam at the Fort Richardson hatchery is approximately 3,000 feet downstream from the Glenn Highway, and is a single concrete structure 80 feet wide and 5 feet high.  
 - A third dam upstream from the Elmendorf dam is the Ship Creek dam, built near the front of the Chugach Range in 1952. Ship Creek upstream of this dam has already been deleted.  
 See Attached justification (Exhibit 1 - Comments (Continued))

Name of Observer (please print): James T. Spell, Jr, PE  
 Signature: *[Signature]* Date: 11 SEP 2007  
 Agency: U.S. Air Force, Elmendorf AFB  
 Address: 3 CES/CEV, 6326 Arctic Warrior Drive  
Elmendorf AFB, AK 99506

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: \_\_\_\_\_ Revision 02/05  
 Name of Area Biologist (please print): \_\_\_\_\_

**Johnson, J D (DFG)**

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**From:** Swanton, Charles O (DFG)  
**Sent:** Sunday, October 28, 2007 12:58 PM  
**To:** Clark, Robert A (DFG)  
**Cc:** Hasbrouck, James J (DFG); Miller, Matthew G (DFG); Brookover, Thomas E (DFG); Bosch, Daniel E (DFG); Johnson, J D (DFG); Milton, Jeff (DFG)  
**Subject:** ship Cr. Anadromous catalog request dated Sept 11, 2007

Bob:

Earlier in the week I was advised that input was needed relative to the subject request prior to you and Al Ott meeting to finalize nominations on November 2<sup>nd</sup>. As you are well aware Ship Creek has a number of unique attributes and has received a fair amount of attention relative to restoration planning. Over the last several months I have requested and obtained an extensive series of communications, historical documents, and letters relative to this drainage which have been very helpful in my education. It is my understanding that we basically have two options available to us regarding this request: 1) Accept the nomination to de-list the section as requested on behalf of the U.S. Air Force; or 2) acknowledge receipt of the nomination to de-list the stream segment requested, however hold the request pending completion of the public meetings on input regarding the preferred course of action.

We are in the midst of constructing a document that will catalog what has transpired thus far which I plan on using in discussions with the military in the near future. Although no clear alternative has arisen in my mind thus far, we are still committed and engaged in receiving public and agency input and it would therefore be premature to approve the application for delisting at this time.

It is my recommendation to proceed with the 2<sup>nd</sup> option with explanation regarding the public process, therefore affording this stream the protections guaranteed under statute.

If you have questions please do not hesitate to contact me

Thanks  
Charlie

10/29/2007



DEPARTMENT OF THE AIR FORCE  
PACIFIC AIR FORCES

SEP 27 2007

MEMORANDUM FOR ALASKA DEPARTMENT OF FISH AND GAME  
DIVISION OF SPORT FISH  
ATTN: J. JOHNSON

FROM: 3 WG/CC  
11550 Heritage Circle, Suite 200  
Elmendorf AFB AK 99506-2850

SUBJECT: Transmittal Letter for Nomination to Delete a Portion of Ship Creek from the Atlas and Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes

1. Elmendorf AFB requests that the portion of Ship Creek upstream of the Elmendorf dam be deleted from the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes and the Atlas to the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes. We request mutual support from the ADF&G for the Air Force mission with continued prohibition of fish passage upstream of the Elmendorf dam. Elmendorf AFB has substantial concerns with any proposal to remove or modify the Elmendorf dam, as noted in the Nomination Application and Exhibit 1 attached.

2. We believe that salmon returning to, spawning and dying in Ship Creek are important components of the historical ecosystem in the Ship Creek Valley. However, the primary goal of Elmendorf AFB is its military mission, and protecting aircraft, pilot, and public safety in support of that mission is paramount. Furthermore, the multitude of changes and developments that have occurred over the years since dam placement, and under the prohibition of fish passage, cannot be underestimated. From the military perspective, any effort of restoring fish stocks to the upper reaches of Ship Creek to achieve a historical ecosystem has little positive benefit to the military mission. In fact, such an effort has the potential to increase risks to aircraft and public safety, as well as increase financial and manpower obligations, all of which are undesirable to Elmendorf AFB.

3. If you have any questions, please contact my Environmental Flight Chief, Mr. James Spell, at 552-1741.

THOMAS L. TINSLEY  
Brigadier General, USAF  
Commander

2 Attachments:

1. Fish Distribution Database Nomination Form
2. USGS Anchorage A-8 Quad Maps

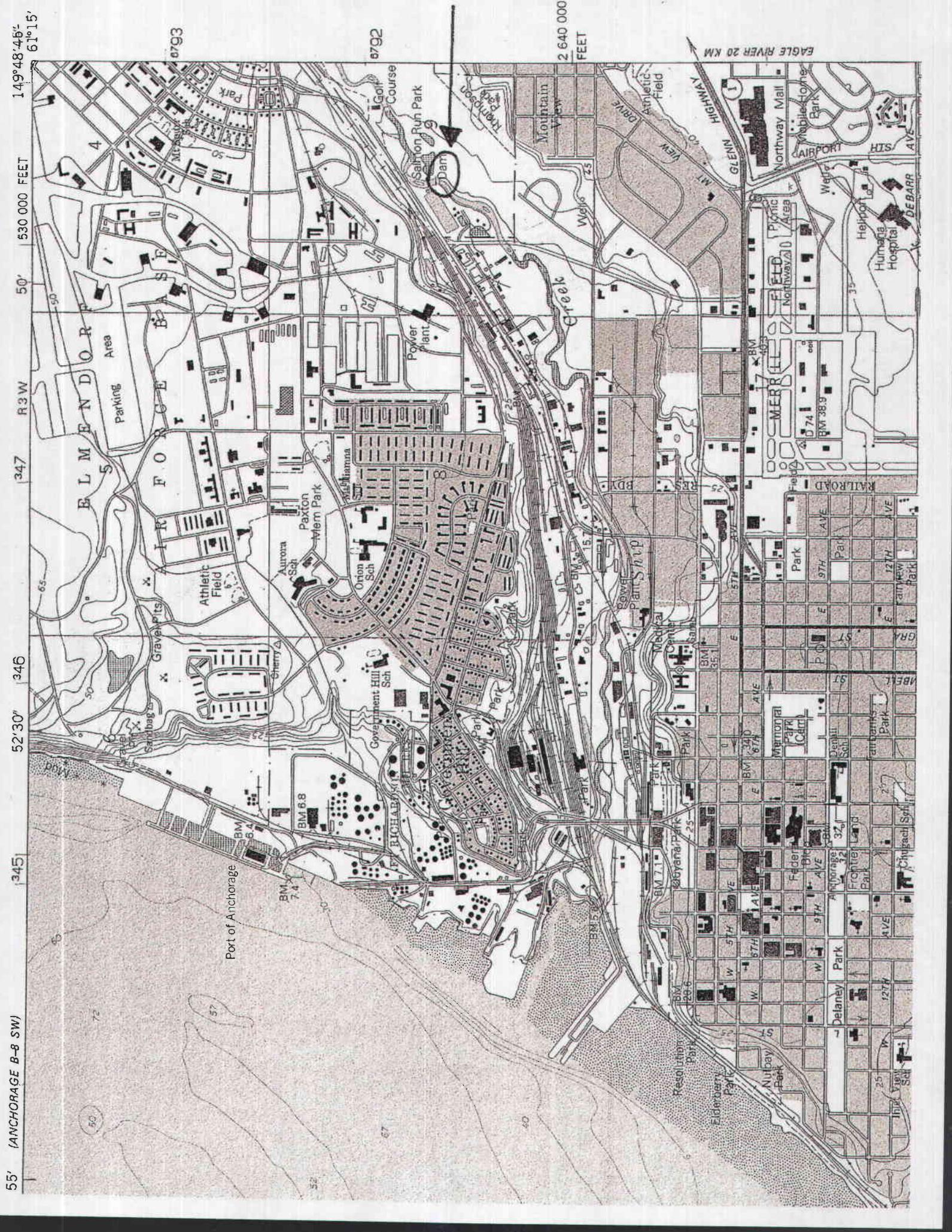
cc:

Mr. Kelly Hepler, Director, Division of Sport Fish

## EXHIBIT 1 – COMMENTS (Continued)

1. The Elmendorf dam was first constructed in 1953. Due to damage from high water events, the dam was rebuilt with a fish ladder in 1983-84. The dam is currently approximately 130 feet wide and 12 feet high, and is a complete barrier to fish passage. There are two additional dams upstream of the Elmendorf dam, one at the hatchery at Fort Richardson and one near the front of the Chugach Range.
2. To date, the Elmendorf hatchery operations have been dependent on water taken from Ship Creek. Under requirements from the Alaska Department of Fish and Game (ADF&G), until an alternate water source is available, the fish ladder was to remain inoperative to protect hatchery produced fish from disease organisms that may originate from spawning and rearing fish upstream of the hatchery.
3. For the past 23 years, Elmendorf AFB has complied with the ADF&G prohibition of fish passage in support of hatchery operations. Elmendorf's continued cooperation with hatchery development would allow the hatchery access to the Elmendorf AFB deep aquifer, and provide a source of disease-free water for hatchery operations.
4. With all the demands on the Ship Creek water resource for drinking water and operational uses of those with water rights, it is not known with certainty that there is enough water to support restoring fish passage above the Elmendorf dam.
5. Fish passage upstream of the Elmendorf dam would increase the Bird Aircraft Strike Hazard risk, by providing carcasses that have the potential to attract large raptors, gulls, bears, fox and other wildlife in proximity of the Elmendorf airfield. This is a particular safety concern due to the 1995 AWACS crash that killed 24 Airmen as the result of large flocks of geese on the runway.
6. Fish passage upstream of the Elmendorf dam would increase the negative impacts of fish borne nuisances (disease or decomposition, contamination of shallow ground water wells, unpleasant odor of rotting carcasses, attractant for raptors, bears, fox and other wildlife) to the Elmendorf and Fort Richardson golf courses, family housing and family campground areas of the bases.
7. Fish passage upstream of the Elmendorf dam raises a significant safety concern with increased bear/human encounters - where there are fish, there are bears. Many brown bears currently utilize the Ship Creek corridor. Increasing the number of fish would be a substantial attractant to these and additional bears, causing them to stay in high human use areas of Elmendorf and Fort Richardson family housing, family campgrounds, golf courses and Cottonwood Park.
8. Fish passage upstream of the Elmendorf dam increases the potential for intrusion by salmon poachers and associated security risks.

9. Because Elmendorf AFB is a Superfund site, we have signed Records of Decision (RODs) in place, and any changes to Ship Creek that may affect our current remedies will require coordination with the USEPA, and may require changes to the RODs. Such changes are accomplished through the CERCLA process, including public comment periods. ROD amendments would require 12-18 months to complete.
10. Changes in Ship Creek flow may increase bank erosion, channel instability and risk to existing Elmendorf and Fort Richardson infrastructure.
11. If the water table drops on Elmendorf AFB near the Post Road Gate due to changes in the hydrologic gradient of Ship Creek, the wetland area between the railroad track and Post Road may be affected.
12. Many of the fish passage alternatives presented in the Ship Creek Fish Passage Improvement Alternative Analysis Past Elmendorf and Fort Richardson Dams would require active and ongoing operations and maintenance (O&M). Responsibilities for O&M of fish passage structures and the cost thereof have not been determined, and may be a financial and manpower burden that Elmendorf and Fort Richardson cannot fulfill.
13. Currently, lower Ship Creek is a popular sport fishery and there are plans for considerable expenditures to improve access for this fishery near the mouth of Ship Creek. Allowing fish passage would reduce the number of fish available to sport fishermen, as the fish would no longer be held downstream of the Elmendorf dam, and appears to be counter-productive to the planned access improvements for the fishery. Furthermore, the reduction of available fish for the sport fishery needs to be emphasized to the public.
14. Elmendorf AFB agrees that salmon returning to, spawning and dying in Ship Creek are important components of the historical ecosystem in the Ship Creek Valley. However, the primary goal of Elmendorf AFB is the military mission, and protecting aircraft, pilot and public safety in support of that mission is paramount. Furthermore, the multitude of changes and developments that have occurred over the years since dam placement, and under the prohibition of fish passage, cannot be underestimated.
15. From the military perspective, any effort of restoring fish stocks to the upper reaches of Ship Creek to achieve a historical ecosystem has little positive benefit to the military mission. In fact, such an effort has the potential to increase risks to aircraft and public safety, as well as increase financial and manpower obligations, all of which are undesirable to Elmendorf AFB.



55' (ANCHORAGE B-8 SW)

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50'

530 000 FEET

149° 48' 46" 61° 15'

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EAGLE RIVER 20 KM

Port of Anchorage

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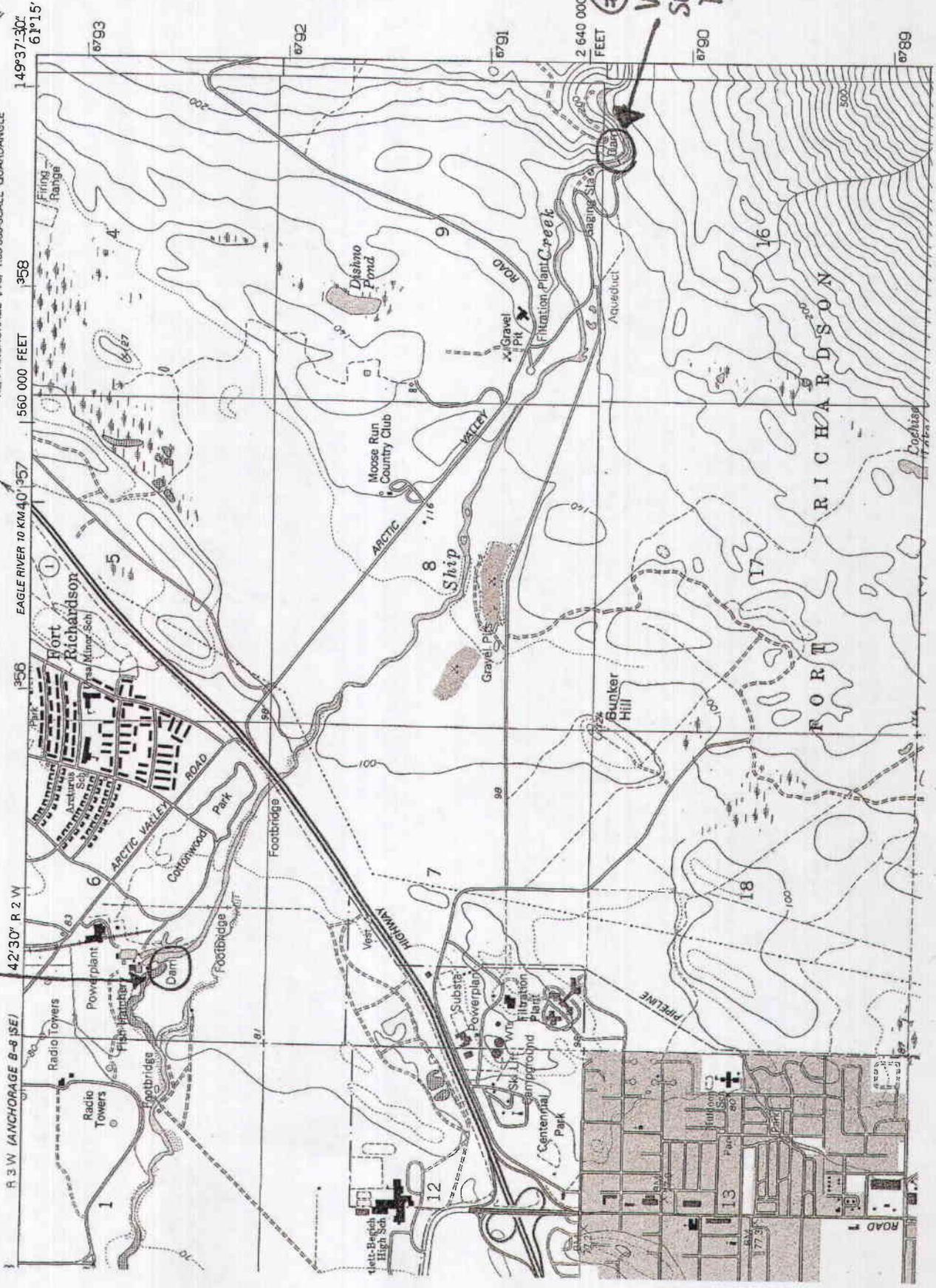


#2

# FORT RICHARDSON DAM

ANCHORAGE (A-8) NE. QUADRANGLE  
ALASKA-MUNICIPALITY OF ANCHORAGE  
1:25 000-SCALE SERIES (TOPOGRAPHIC)  
N/E/M ANCHORAGE (A-8) 1:83 300-SCALE QUADRANGLE

ANCHORAGE B-7 SW



#3 WATER SUPPLY DAM



DEPARTMENT OF THE AIR FORCE  
PACIFIC AIR FORCES

SEP 27 2007

MEMORANDUM FOR ALASKA DEPARTMENT OF FISH AND GAME  
DIVISION OF SPORT FISH  
ATTN: J. JOHNSON

ALASKA DEPT. OF  
FISH & GAME

OCT 3 - 2007

FROM: 3 WG/CC  
11550 Heritage Circle, Suite 200  
Elmendorf AFB AK 99506-2850

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## EXHIBIT 1 – COMMENTS (Continued)

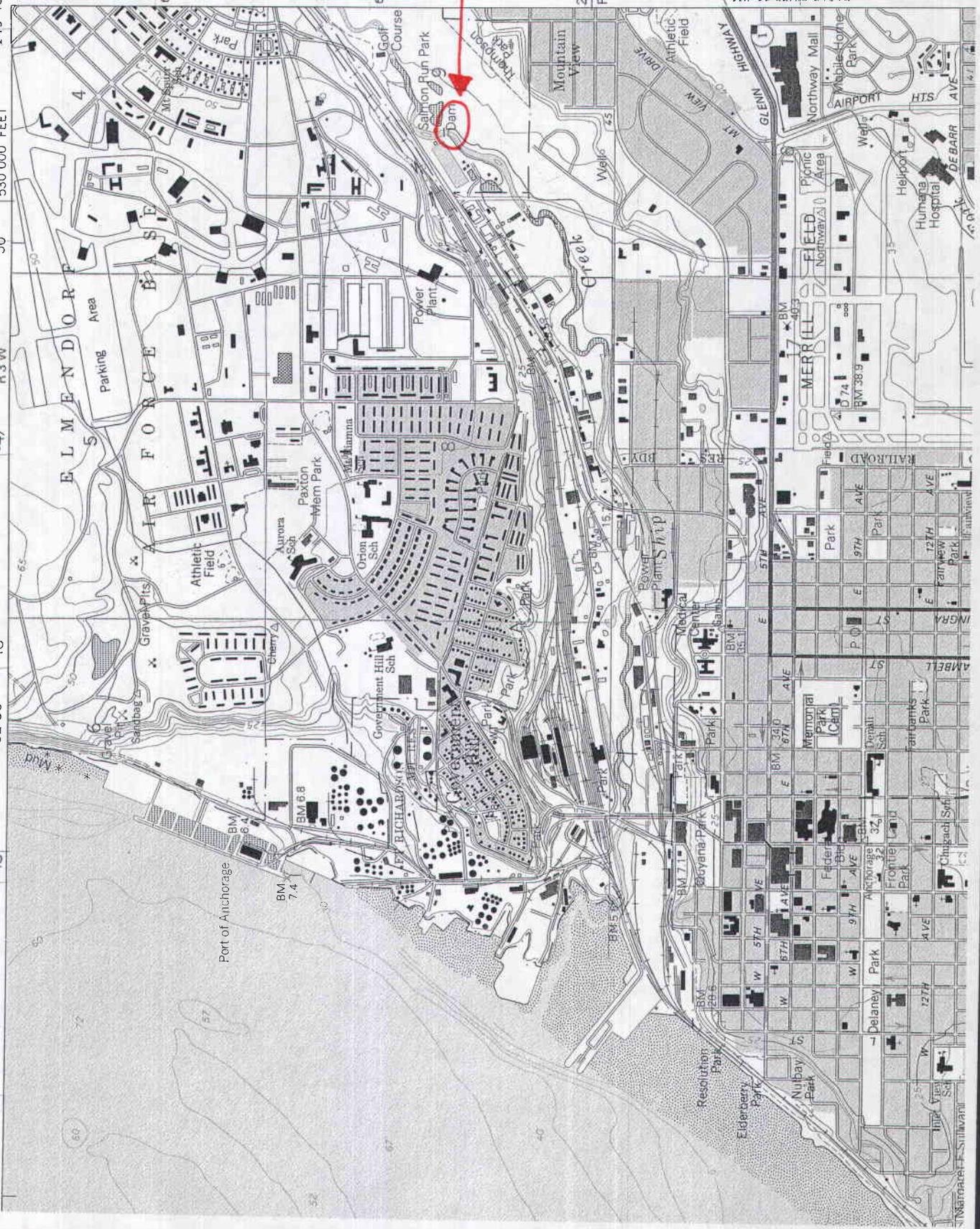
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ANCHORAGE (A-8) NW QUADRANGLE  
ALASKA

1:25 000-SCALE SERIES (TOPOGRAPHIC)  
NW/4 ANCHORAGE (A-8) 1:63 360-SCALE QUADRANGLE

55' (ANCHORAGE B-8 SW) 345 52° 30' 346 347 50' 530 000 FEET 149° 48' 45" 61° 15'



#1  
ELMENDORF  
DAM

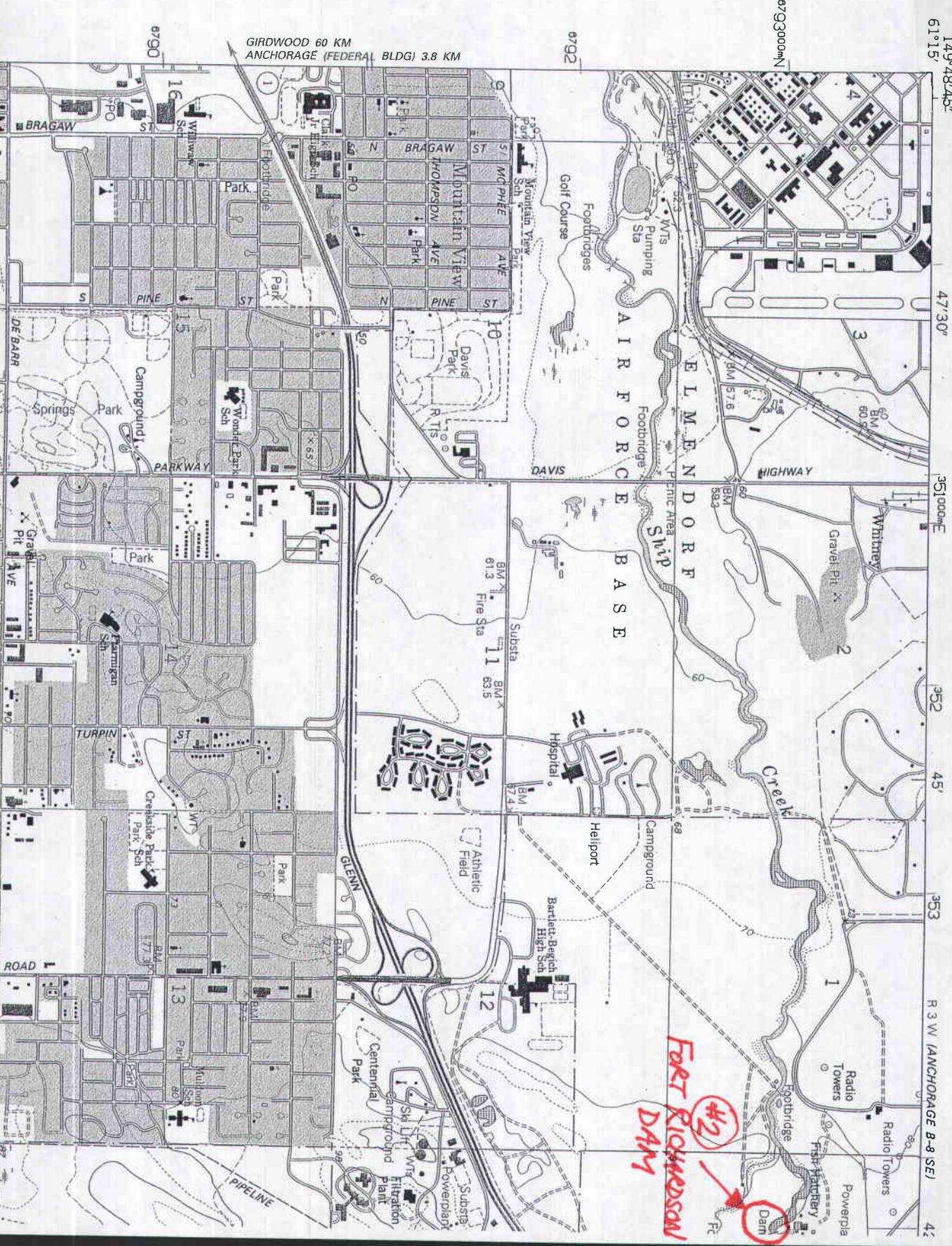
EAGLE RIVER 20 KM

ATCH 2

ANCHORAGE B-8 SW / 149°48.45" 61°15'



U.S. DEPARTMENT OF THE INTERIOR  
U.S. GEOLOGICAL SURVEY



67°30' 47' 30" 3510000E 352 45' 353 R 3 W ANCHORAGE B-8 SEI 42

67°30'00"N

67°32'

67°30'

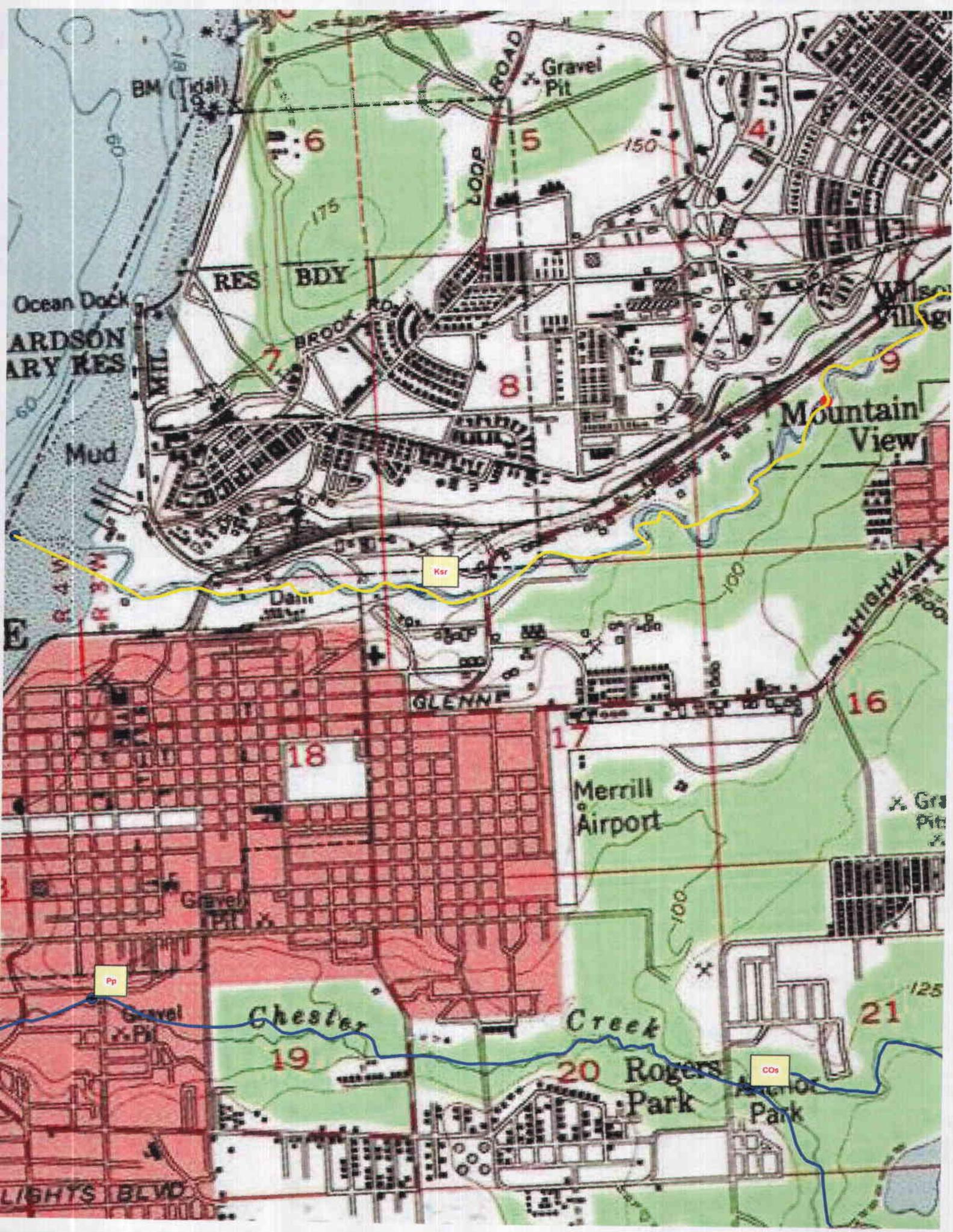
GIRDWOOD 60 KM  
ANCHORAGE (FEDERAL BLDG) 3.8 KM

Fort Richardson Dam

#2

Dam





Kor

Pp

COs

Stream/Lake

Map Sheet

Lat./Long.

Legal

247-41-10200-2381-3240	HonoIulu Creek	HEALY A-6	63	3	19	149	35	25	F	21S	11W35	
247-41-10200-2381-3240-4020	Little HonoIulu Creek	HEALY A-5	63	4	15	149	27	29	F	21S	10W28	
247-41-10200-2381-3250	East Fork Chulitna River	HEALY A-6	63	3	10	149	34	36	F	21S	11W36	
247-41-10200-2391	Whiskers Creek	HEALY A-6	63	2	43	149	33	20	F	21S	11W36	
247-41-10200-2391-3021		HEALY A-6	63	1	6	32	149	31	24	F	21S	10W10
247-41-10200-2411		TALKEETNA B-1	62	22	38	150	10	14	S	26N	5W34	
247-41-10200-2411-3050		TALKEETNA B-1	62	28	23	150	10	14	S	26N	5W34	
247-41-10200-2420		TALKEETNA C-6	62	25	26	150	9	59	S	27N	5W15	
247-41-10200-2440	Lane Creek	TALKEETNA C-6	62	26	27	150	10	50	S	27N	5W10	
247-41-10200-2450	McKenzie Creek	TALKEETNA C-1	62	42	59	149	48	5	S	30N	3W3	
247-41-10200-2540		TALKEETNA C-1	62	44	56	152	47	30	S	31N	19W34	
247-41-10200-2551		TALKEETNA B-1	62	43	59	152	48	28	S	31N	19W34	
247-41-10200-2551-3015		TALKEETNA C-6	62	44	56	152	47	30	S	31N	19W26	
247-41-10200-2585	Portage Creek	TALKEETNA D-6	62	26	44	150	7	46	S	27N	5W12	
247-41-10200-3015-0010	Chester Creek	TALKEETNA D-5	62	27	3	150	3	34	S	27N	4W7	
247-50-10050	Ship Creek	TALKEETNA C-1	62	31	55	150	6	16	S	28N	5W12	
247-50-10060		TALKEETNA C-1	62	33	2	150	0	16	S	28N	4W3	
8/18/82		TALKEETNA D-6	62	34	2	150	3	29	S	29N	4W32	
		TALKEETNA MTS D-6	62	46	6	149	41	20	S	31N	2W20	
		TALKEETNA MTS D-5	62	45	17	149	38	19	S	31N	2W27	
		TALKEETNA MTS D-6	62	47	11	149	39	19	S	31N	2W9	
		TALKEETNA MTS D-6	62	56	43	149	22	46	S	31N	2W13	
		TALKEETNA MTS D-6	62	52	16	149	35	47	S	32N	2W11	
		TALKEETNA MTS D-6	62	54	19	149	36	22	S	33N	2W35	
		TALKEETNA MTS D-5	62	49	53	149	22	41	S	32N	1W25	
		ANCHORAGE A-8	62	56	58	149	7	20	S	33N	2E17	
		ANCHORAGE A-8	61	12	33	149	55	21	S	13N	4W24	
		ANCHORAGE A-8	61	11	45	149	46	4	S	13N	5W23	
		ANCHORAGE A-8	61	13	34	149	38	36	S	13N	3W7	

Southcentral

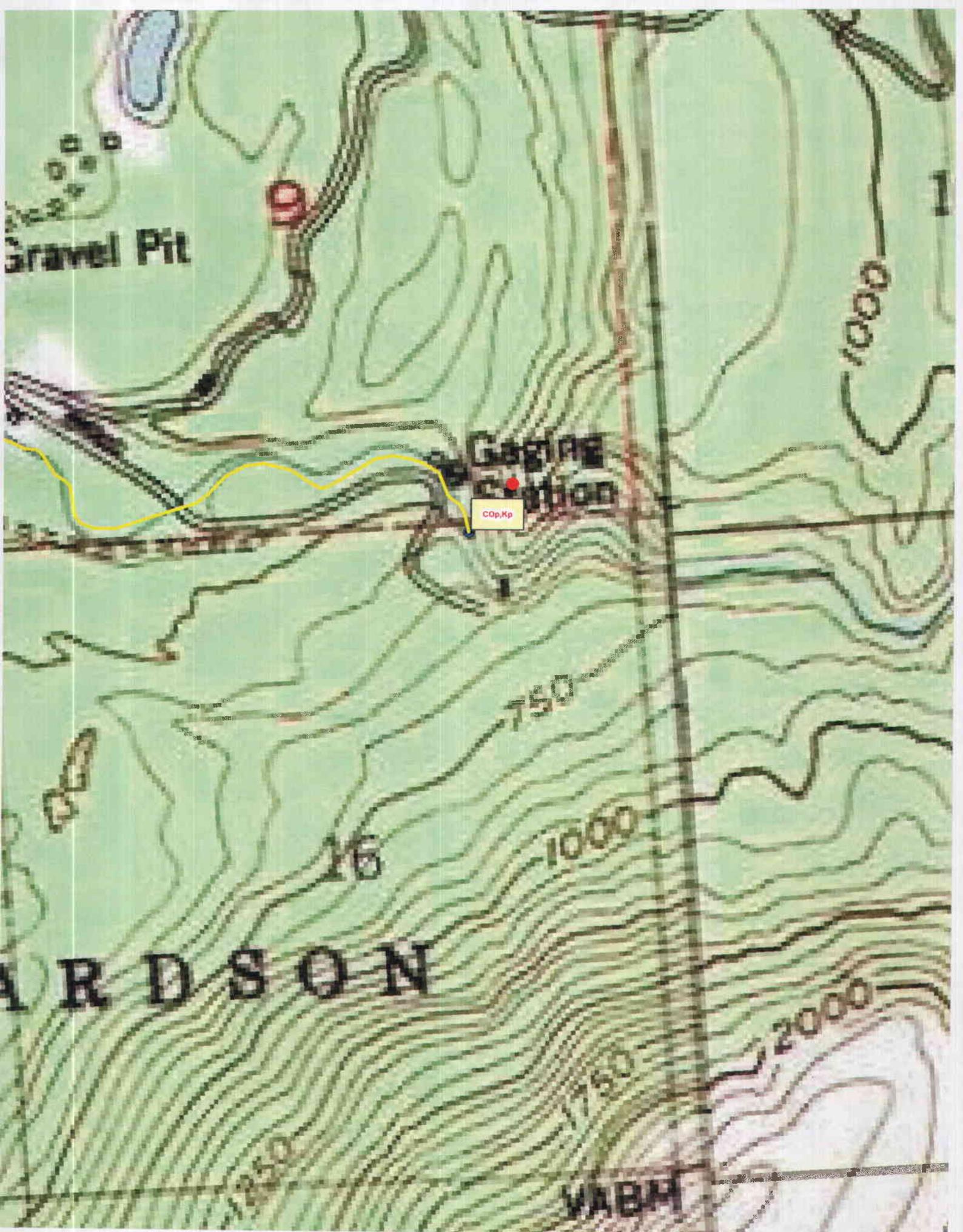
From 1982 AWC Survey

----- Stream/Lake -----  
 247-41-10200-2381-3240 Honolulu Creek  
 247-41-10200-2381-3240-4020 Little Honolulu Creek  
 247-41-10200-2381-3250 East Fork Chulitna River  
 247-41-10200-2391 Whiskers Creek  
 247-41-10200-2391-3021  
 247-41-10200-2411  
 247-41-10200-2411-3050  
 247-41-10200-2420  
 247-41-10200-2440 Lane Creek  
 247-41-10200-2450 Mckenzie Creek  
 247-41-10200-2540  
 247-41-10200-2551  
 247-41-10200-2551-3015  
 247-41-10200-2551-3015-0010 Portage Creek  
 247-50-10050 Chester Creek  
 247-50-10060 Ship Creek

----- Map Sheet -----  
 HEALY A-6  
 HEALY A-5  
 HEALY A-6  
 HEALY A-6  
 HEALY A-5  
 HEALY A-5  
 TALKKEETNA B-1  
 TALKKEETNA B-1  
 TALKKEETNA MTS C-6  
 TALKKEETNA C-6  
 TALKKEETNA B-1  
 TALKKEETNA C-1  
 TALKKEETNA C-1  
 TALKKEETNA C-1  
 TALKKEETNA MTS D-6  
 TALKKEETNA MTS D-5  
 TALKKEETNA MTS D-6  
 TALKKEETNA MTS D-6  
 TALKKEETNA MTS D-5  
 ANCHORAGE A-8  
 ANCHORAGE A-8  
 ANCHORAGE A-8

----- Lat./Long. -----  
 63 3 19 149 35 25 F 21S 11W35  
 63 3 15 149 27 39 F 21S 10W28  
 63 2 43 149 34 36 F 21S 11W36  
 63 2 43 149 33 20 F 21S 11W36  
 63 6 32 149 31 24 F 21S 10W 7  
 63 11 38 149 15 40 F 20S 9W10  
 62 22 38 150 10 14 S 26N 5W 3  
 62 28 23 150 10 14 S 28N 5W34  
 62 25 26 150 9 59 S 27N 5W15  
 62 26 27 150 10 50 S 27N 5W10  
 62 42 59 149 48 5 6 S 30N 3W 3  
 62 44 56 149 49 5 6 S 31N 3W27  
 62 43 59 152 48 28 5 S 31N 19W34  
 62 44 56 152 47 50 S 31N 19W26  
 62 26 44 150 7 46 S 27N 5W12  
 62 27 3 150 5 34 S 27N 4W 7  
 62 31 55 150 6 16 S 28N 5W12  
 62 33 2 150 6 16 S 28N 4W 3  
 62 34 3 150 3 30 S 29N 4W32  
 62 34 3 150 3 30 S 29N 4W28  
 62 46 6 149 41 20 S 31N 2W20  
 62 45 17 149 38 19 S 31N 2W27  
 62 47 11 149 39 19 S 31N 2W 9  
 62 56 43 149 22 48 S 33N 1W13  
 62 52 16 149 35 47 S 32N 2W11  
 62 54 41 149 37 18 S 33N 2W34  
 62 54 19 149 36 22 S 33N 2W35  
 62 49 53 149 22 41 S 32N 1W25  
 62 56 58 149 7 20 S 33N 2E17  
 61 12 33 149 55 21 S 13N 4W24  
 61 11 45 149 46 3 S 13N 3W23  
 61 13 34 149 53 36 S 13N 3W 7  
 61 13 31 149 53 36 S 13N 2W 9

----- Southcentral -----



Gravel Pit

COP, Kp

ARDSON

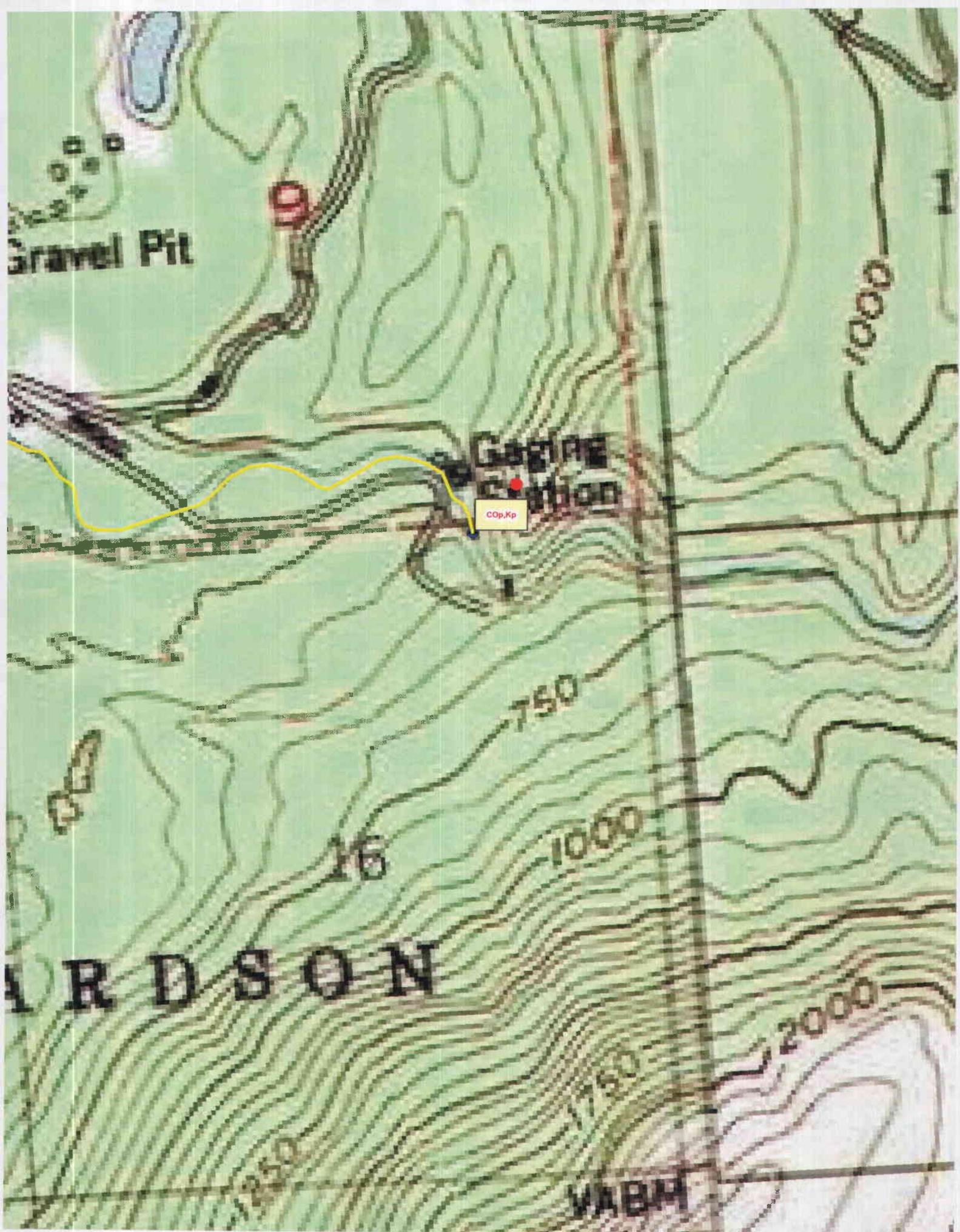
WABH

1000

750

1000

2000



Gravel Pit

Gravel Pit

COp,Kp

750

1000

2000

ARDSON

VABM

**SDE\_COMMON83.SDEWILD.ORTHOS\_ANCHORAGE\_UTM6****SDE Raster Dataset - SDR**

Description	Spatial	Attributes
-------------	---------	------------

**Keywords**

**Theme:** 0.3 meter orthoimage, rectified photograph, rectified image, orthophoto, natural color orthophoto, orthoimage, image map

**Place:** US

**Place:** AK

**Place:** Anchorage, AK

**Description****Abstract**

An orthoimage is remotely sensed image data in which displacement of features in the image caused by terrain relief and sensor orientation have been mathematically removed. Orthoimagery combines the image characteristics of a photograph with the geometric qualities of a map. For this dataset, the natural color orthoimages were produced at 0.3-meter pixel resolution (approximately 1-foot). The design accuracy is estimated not to exceed 3-meter diagonal RMSE (2.12m RMSE in X or Y). Each orthoimage provides imagery for a 1500- by 1500-meter block on the ground. The projected coordinate system is UTM with a NAD83 datum. There is no image overlap between adjacent files. The naming convention is based on the U.S. National Grid (USNG), taking the coordinates of the SW corner of the orthoimage.

**Purpose**

These data have been created as a result of the need for having geospatial data immediately available and easily accessible in order to enhance the capability of Federal, State, and local emergency responders, as well as plan for homeland security efforts.

**Links to graphics describing the data**

- Anchorage Area Color Orthoimage 2002 (GIF):  
[v:\\\_doq\thumbnails\anchorage2002.gif](v:\_doq\thumbnails\anchorage2002.gif)

**Status of the data**

Complete

*Data update frequency:* Irregular

**Time period for which the data is relevant**

*Date and time:* 20020910

*Description:*

ground condition

### **Publication Information**

*Who created the data:* U.S. Geological Survey

*Date and time:* 2003

---

### **Data storage and access information**

*File name:* SDE\_COMMON83.SDEWILD.ORTHOS\_ANCHORAGE\_UTM6

*Type of data:* SDE raster digital data

*Location of the data:*

- Server=wcgis-server3; Service=5151; Database=sde\_common; User=sdewild; Version=sde.DEFAULT

*Data processing environment:* Microsoft Windows 2000 Version 5.0 (Build 2195)

Service Pack 4; ESRI ArcCatalog 9.1.0.722

### **Constraints on accessing and using the data**

*Access constraints:* none

*Use constraints:*

None. Acknowledgment of the U.S. Geological Survey would be appreciated for products derived from these data.

### **Details about this document**

Contents last updated: 20060117 at time 10452900

### **Who completed this document**

REQUIRED: The person responsible for the metadata information.

USGS

*mailing:*

EROS Data Center

Sioux Falls, SD 57198-0001

US

1-605-594-6151 (voice)

1-605-594-6589 (fax)

custserv@usgs.gov

*Hours of service:* Monday through Friday 8:00 AM to 4:00 PM (Central Time)

### **Standards used to create this document**

*Standard name:* FGDC Content Standards for Digital Geospatial Metadata

*Standard version:* FGDC-STD-001-1998

*Time convention used in this document:* local time

Metadata profiles defining additional information

- ESRI Metadata Profile: <http://www.esri.com/metadata/esriprof80.html>
- ESRI Metadata Profile: <http://www.esri.com/metadata/esriprof80.html>

- ESRI Metadata Profile: <http://www.esri.com/metadata/esriprof80.html>



DEPARTMENT OF THE AIR FORCE  
PACIFIC AIR FORCES

SEP 27 2007

MEMORANDUM FOR ALASKA DEPARTMENT OF FISH AND GAME  
DIVISION OF SPORT FISH  
ATTN: J. JOHNSON

FROM: 3 WG/CC  
11550 Heritage Circle, Suite 200  
Elmendorf AFB AK 99506-2850

SUBJECT: Transmittal Letter for Nomination to Delete a Portion of Ship Creek from the Atlas and Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes

1. Elmendorf AFB requests that the portion of Ship Creek upstream of the Elmendorf dam be deleted from the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes and the Atlas to the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes. We request mutual support from the ADF&G for the Air Force mission with continued prohibition of fish passage upstream of the Elmendorf dam. Elmendorf AFB has substantial concerns with any proposal to remove or modify the Elmendorf dam, as noted in the Nomination Application and Exhibit 1 attached.

2. We believe that salmon returning to, spawning and dying in Ship Creek are important components of the historical ecosystem in the Ship Creek Valley. However, the primary goal of Elmendorf AFB is its military mission, and protecting aircraft, pilot, and public safety in support of that mission is paramount. Furthermore, the multitude of changes and developments that have occurred over the years since dam placement, and under the prohibition of fish passage, cannot be underestimated. From the military perspective, any effort of restoring fish stocks to the upper reaches of Ship Creek to achieve a historical ecosystem has little positive benefit to the military mission. In fact, such an effort has the potential to increase risks to aircraft and public safety, as well as increase financial and manpower obligations, all of which are undesirable to Elmendorf AFB.

3. If you have any questions, please contact my Environmental Flight Chief, Mr. James Spell, at 552-1741.

THOMAS L. TINSLEY  
Brigadier General, USAF  
Commander

2 Attachments:

1. Fish Distribution Database Nomination Form
2. USGS Anchorage A-8 Quad Maps

cc:

Mr. Kelly Hepler, Director, Division of Sport Fish



State of Alaska  
Department of Fish and Game  
Sportfish Division

Nomination Form  
Fish Distribution Database

Region  USGS Quad(s)   
 Fish Distribution Database Number of Waterway   
 Name of Waterway   USGS Name  Local Name  
 Addition  Deletion  Correction  Backup Information

For Office Use	
Nomination # _____	_____ ADF&G Fisheries Scientist _____ Date _____
Revision Year: _____	_____ ADNR OHMP Operations Mgr. _____ Date _____
Revision to: Atlas _____ Catalog _____	_____ FDD Project Biologist _____ Date _____
Both _____	_____ Cartographer _____ Date _____
Revision Code: _____	

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>

**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:** Request that the portion of Ship Creek above the Elmendorf dam be deleted from the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes and the Atlas to the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes. The Elmendorf dam, approximately 1,600 feet upstream from Reeve Boulevard, is comprised of two sheet pile dams approx 130 feet wide, with a total height of approx 12 feet, and is a complete barrier to upstream fish passage.  
 - A second dam upstream from the Elmendorf dam at the Fort Richardson hatchery is approximately 3,000 feet downstream from the Glenn Highway, and is a single concrete structure 80 feet wide and 5 feet high.  
 - A third dam upstream from the Elmendorf dam is the Ship Creek dam, built near the front of the Chugach Range in 1952. Ship Creek upstream of this dam has already been deleted.  
 See Attached justification (Exhibit 1 - Comments (Continued))

Name of Observer (please print): James T. Spell, Jr, PE  
 Signature: *James T. Spell, Jr* Date: 11 SEP 2007  
 Agency: U.S. Air Force, Elmendorf AFB  
 Address: 3 CES/CEV, 6326 Arctic Warrior Drive  
Elmendorf AFB, AK 99506

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: \_\_\_\_\_ Revision 02/05  
 Name of Area Biologist (please print): \_\_\_\_\_

## EXHIBIT 1 – COMMENTS (Continued)

1. The Elmendorf dam was first constructed in 1953. Due to damage from high water events, the dam was rebuilt with a fish ladder in 1983-84. The dam is currently approximately 130 feet wide and 12 feet high, and is a complete barrier to fish passage. There are two additional dams upstream of the Elmendorf dam, one at the hatchery at Fort Richardson and one near the front of the Chugach Range.
2. To date, the Elmendorf hatchery operations have been dependent on water taken from Ship Creek. Under requirements from the Alaska Department of Fish and Game (ADF&G), until an alternate water source is available, the fish ladder was to remain inoperative to protect hatchery produced fish from disease organisms that may originate from spawning and rearing fish upstream of the hatchery.
3. For the past 23 years, Elmendorf AFB has complied with the ADF&G prohibition of fish passage in support of hatchery operations. Elmendorf's continued cooperation with hatchery development would allow the hatchery access to the Elmendorf AFB deep aquifer, and provide a source of disease-free water for hatchery operations.
4. With all the demands on the Ship Creek water resource for drinking water and operational uses of those with water rights, it is not known with certainty that there is enough water to support restoring fish passage above the Elmendorf dam.
5. Fish passage upstream of the Elmendorf dam would increase the Bird Aircraft Strike Hazard risk, by providing carcasses that have the potential to attract large raptors, gulls, bears, fox and other wildlife in proximity of the Elmendorf airfield. This is a particular safety concern due to the 1995 AWACS crash that killed 24 Airmen as the result of large flocks of geese on the runway.
6. Fish passage upstream of the Elmendorf dam would increase the negative impacts of fish borne nuisances (disease or decomposition, contamination of shallow ground water wells, unpleasant odor of rotting carcasses, attractant for raptors, bears, fox and other wildlife) to the Elmendorf and Fort Richardson golf courses, family housing and family campground areas of the bases.
7. Fish passage upstream of the Elmendorf dam raises a significant safety concern with increased bear/human encounters - where there are fish, there are bears. Many brown bears currently utilize the Ship Creek corridor. Increasing the number of fish would be a substantial attractant to these and additional bears, causing them to stay in high human use areas of Elmendorf and Fort Richardson family housing, family campgrounds, golf courses and Cottonwood Park.
8. Fish passage upstream of the Elmendorf dam increases the potential for intrusion by salmon poachers and associated security risks.

9. Because Elmendorf AFB is a Superfund site, we have signed Records of Decision (RODs) in place, and any changes to Ship Creek that may affect our current remedies will require coordination with the USEPA, and may require changes to the RODs. Such changes are accomplished through the CERCLA process, including public comment periods. ROD amendments would require 12-18 months to complete.

10. Changes in Ship Creek flow may increase bank erosion, channel instability and risk to existing Elmendorf and Fort Richardson infrastructure.

11. If the water table drops on Elmendorf AFB near the Post Road Gate due to changes in the hydrologic gradient of Ship Creek, the wetland area between the railroad track and Post Road may be affected.

12. Many of the fish passage alternatives presented in the Ship Creek Fish Passage Improvement Alternative Analysis Past Elmendorf and Fort Richardson Dams would require active and ongoing operations and maintenance (O&M). Responsibilities for O&M of fish passage structures and the cost thereof have not been determined, and may be a financial and manpower burden that Elmendorf and Fort Richardson cannot fulfill.

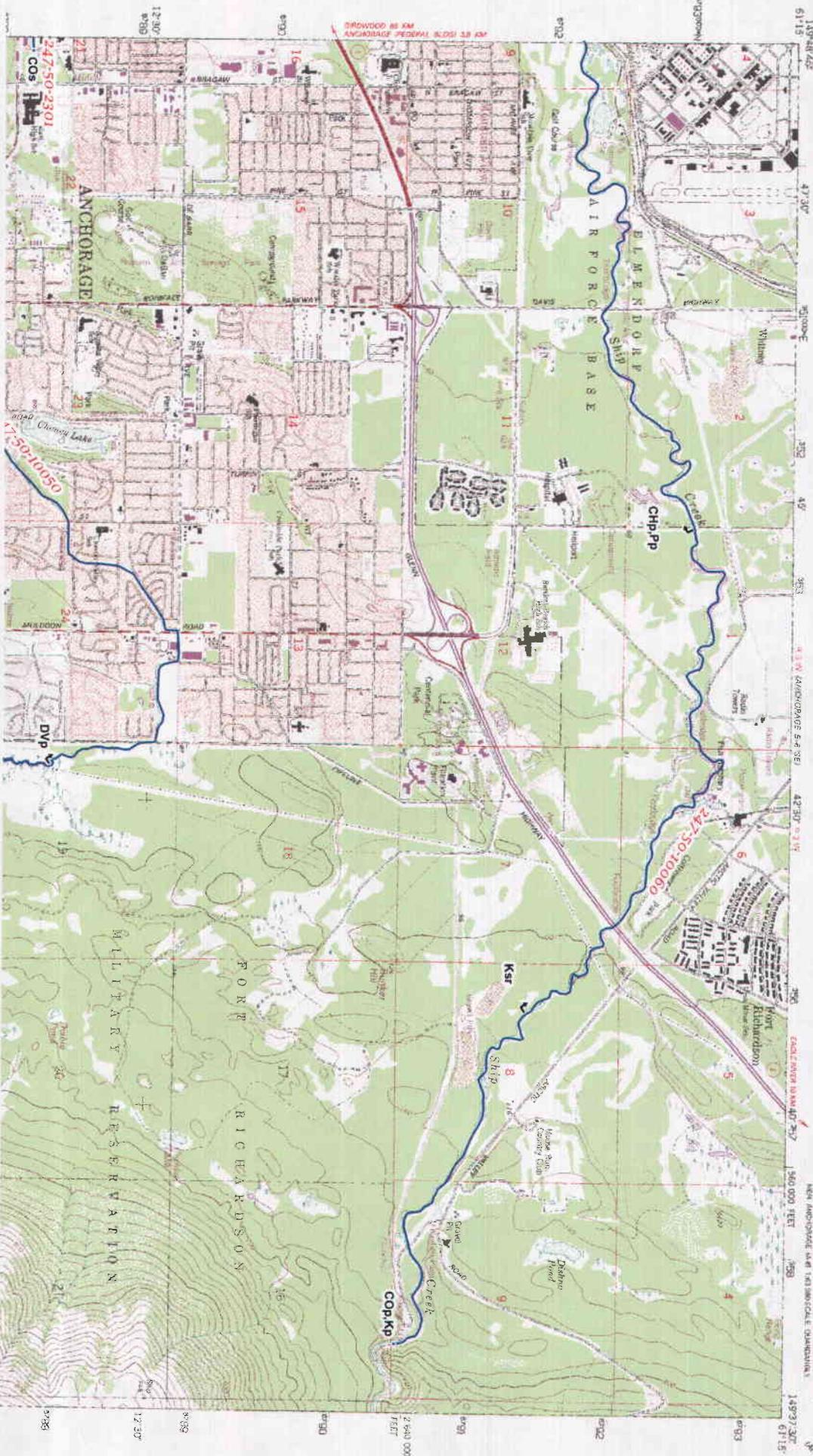
13. Currently, lower Ship Creek is a popular sport fishery and there are plans for considerable expenditures to improve access for this fishery near the mouth of Ship Creek. Allowing fish passage would reduce the number of fish available to sport fishermen, as the fish would no longer be held downstream of the Elmendorf dam, and appears to be counter-productive to the planned access improvements for the fishery. Furthermore, the reduction of available fish for the sport fishery needs to be emphasized to the public.

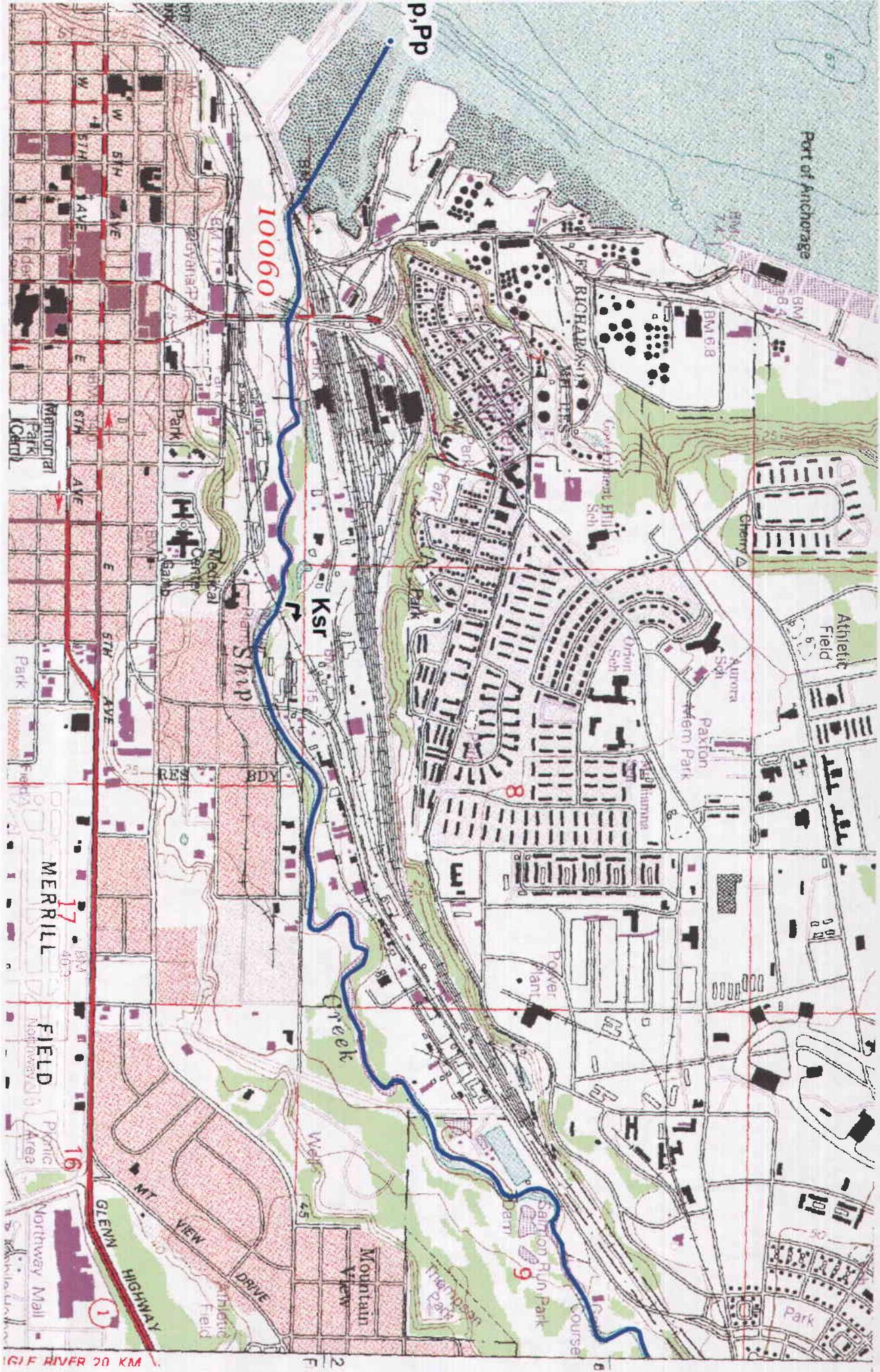
14. Elmendorf AFB agrees that salmon returning to, spawning and dying in Ship Creek are important components of the historical ecosystem in the Ship Creek Valley. However, the primary goal of Elmendorf AFB is the military mission, and protecting aircraft, pilot and public safety in support of that mission is paramount. Furthermore, the multitude of changes and developments that have occurred over the years since dam placement, and under the prohibition of fish passage, cannot be underestimated.

15. From the military perspective, any effort of restoring fish stocks to the upper reaches of Ship Creek to achieve a historical ecosystem has little positive benefit to the military mission. In fact, such an effort has the potential to increase risks to aircraft and public safety, as well as increase financial and manpower obligations, all of which are undesirable to Elmendorf AFB.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

ANCHORAGE (A-8) NE QUADRANGLE  
ALASKA-MUNICIPALITY OF ANCHORAGE  
1:25 000-SCALE SERIES TOPOGRAPHIC  
MAY 1957-SCALE MAP 1:62 500-SCALE QUADRANGLE





20 KM



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

**Nomination Form  
Fish Distribution Database  
DEPT. OF  
FISH & GAME**

NOV 12 2004

Region Southwest USGS Quad Iliamna D-3  
 Fish Distribution Database Number of Waterway 324-10-10150-2933  
 Name of Waterway Unnamed  USGS Name  Local Name  
 Addition  Deletion  Correction  Backup Information

Notations	11/12/04
Revised	
Revised	
Revised	
Revised	

**OBSERVATION INFORMATION**

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Dolly Varden	8/10/2004	No	Yes	Yes	<input type="checkbox"/>
Pacific salmon <i>sw</i>	8/10/2004	Yes	No	Yes	<input checked="" type="checkbox"/>
unspecified adults					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>

**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:** This stream is currently listed as Anadromous. Field studies indicate that the Anadromous reach ends approximately 0.5 miles upstream of the sampling location due to a 200' barrier waterfall. The stream is currently listed as Anadromous approximately .82 miles above the barrier falls. Nine (9) Dolly Varden were captured. Sampling location: N59.80264 W159.96252 (WGS84) \* Red marker on map corresponds to sampling location. Sampling method: Fish were captured using a backpack electroshocker. Area sampled: 0.6 miles downstream of intersection between stream and proposed alignment. Fish captured/observed: Dolly Varden: 128mm, 155mm, 37mm, 109mm, 127mm, 80mm, 109mm, 130mm, 151mm. Unspecified Pacific salmon were observed spawning approximately 500meters below sampling location. *sockeye*  
 Unnamed stream drains directly into Lonesome Bay. *Stream documented for 50*  
 E57.85 *Shoreline stream, add barrier 0.5 miles from sampling site*

Name of Observer (please print): Paul McLannon  
 Signature: *Paul McLannon*  
 Address: HDR Alaska, Inc. 2525 C Street Suite 305  
Anchorage, Alaska 99503-2632

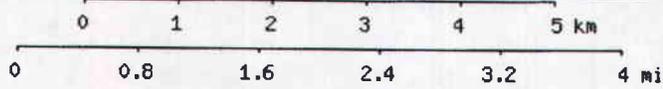
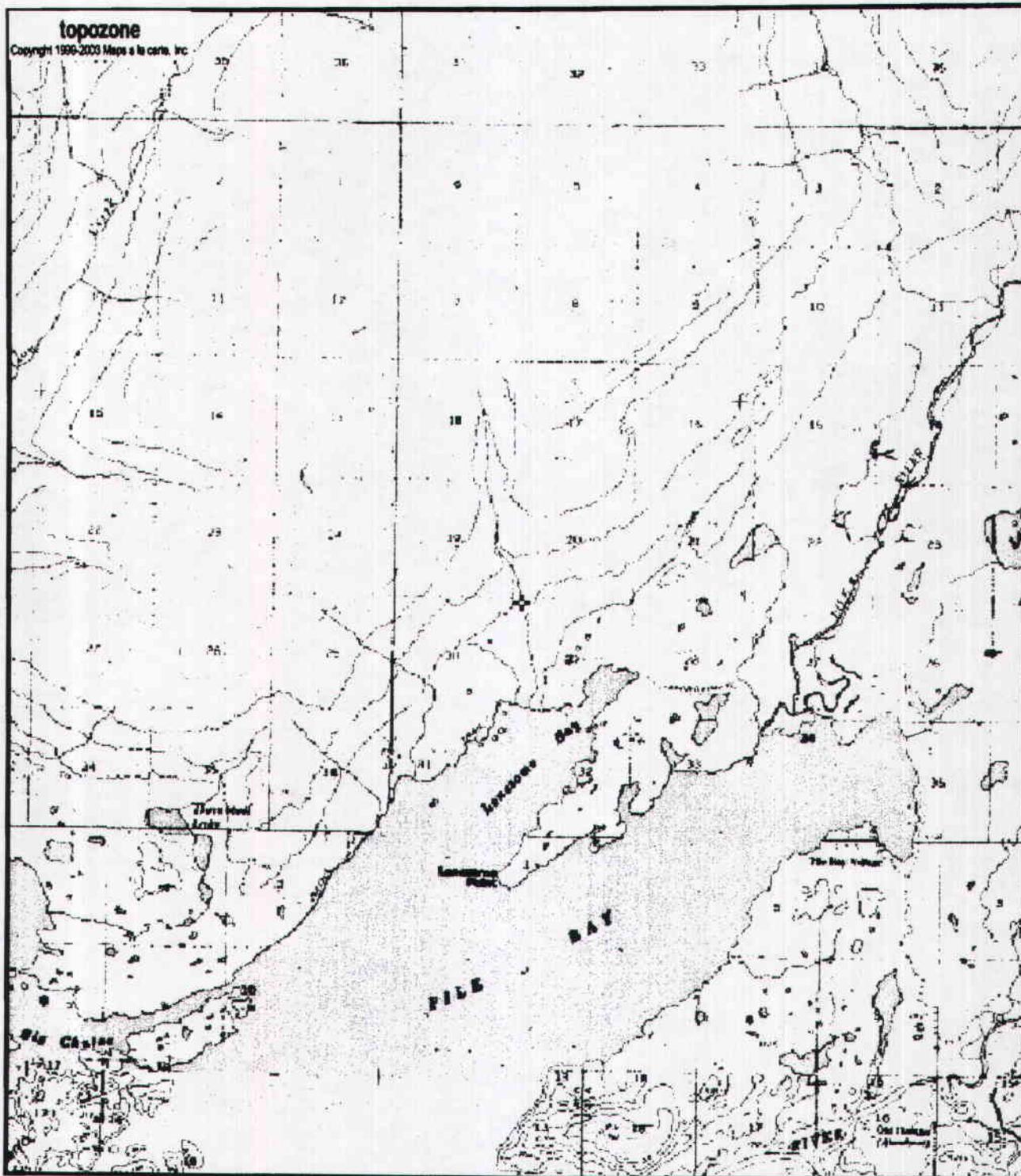
Date: 11/10/04

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: \_\_\_\_\_  
 Name of Area Biologist (please print): \_\_\_\_\_

Revision 04/03

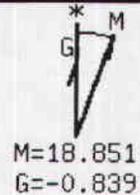


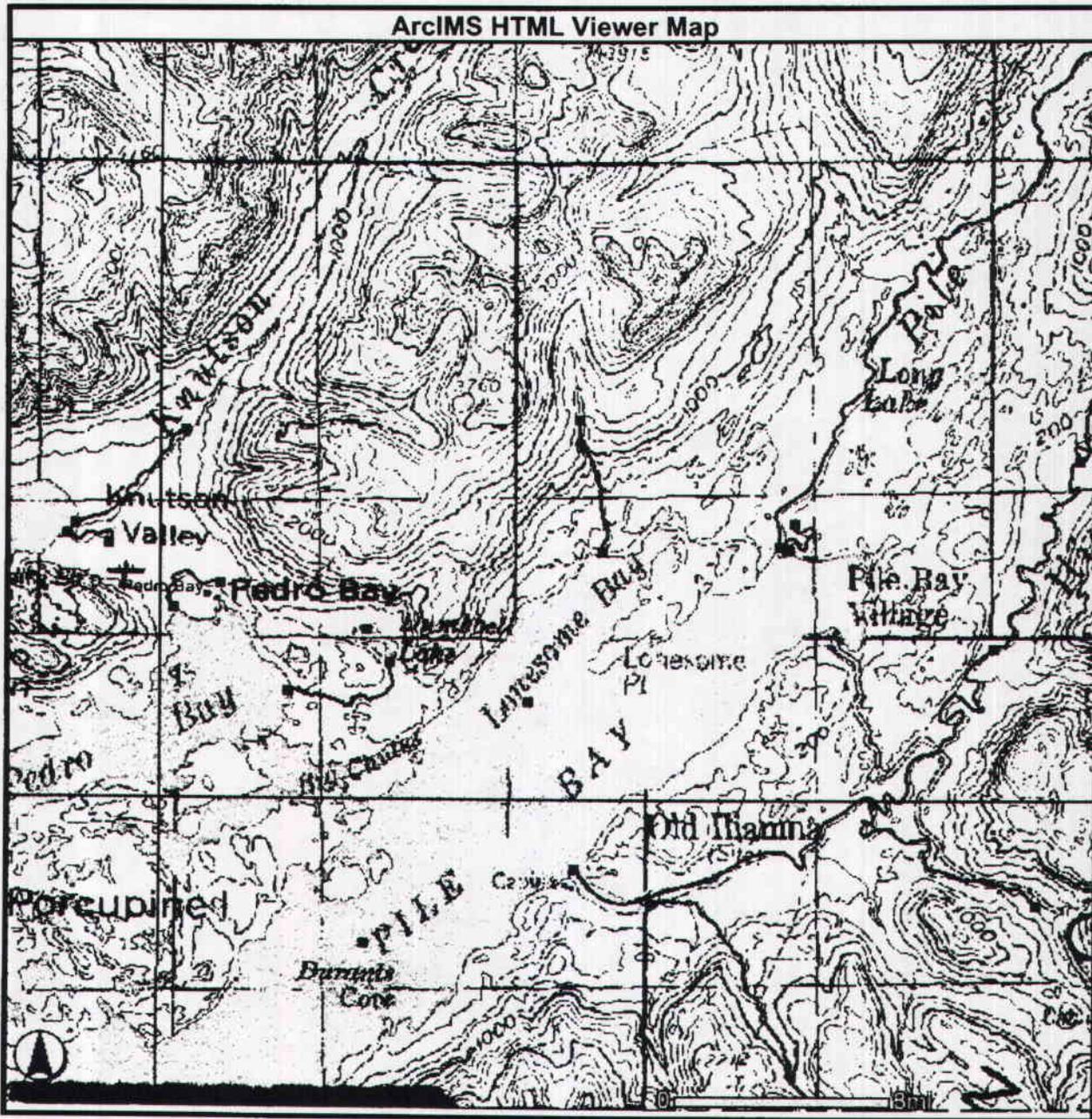


Map center is 59.8083°N, 153.9706°W (WGS84/NAD83)

**Iliamna D-3** quadrangle

Projection is UTM Zone 5 NAD83 Datum





04-291

19

20

Shorten stream

Add barrier 0.5 mile

Above pt



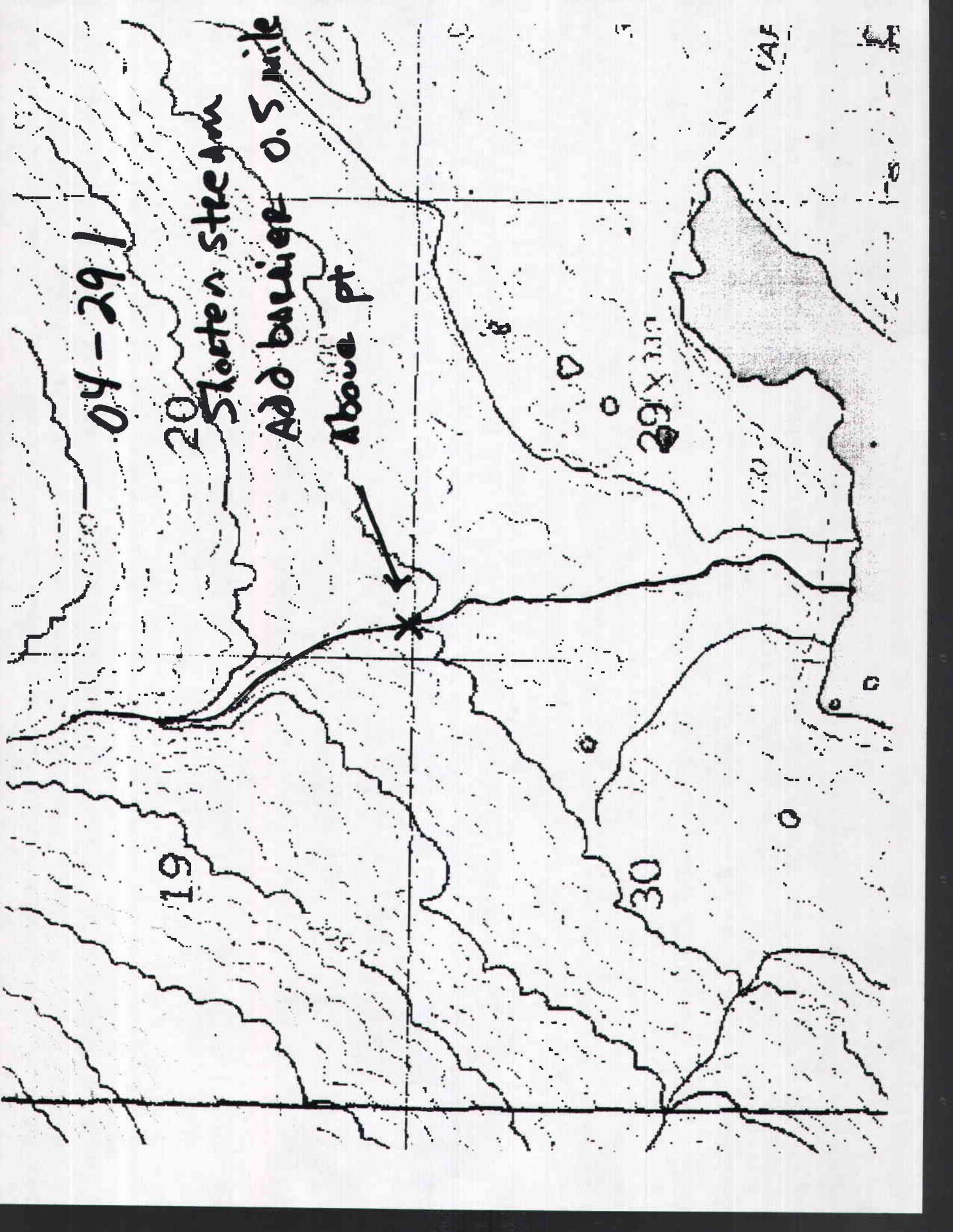
30

29X310

300

CAF

1-5





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

**Nomination Form  
Fish Distribution Database**

Region Central SCN USGS Quad Seldovia B-4  
 Fish Distribution Database Number of Waterway 241-16-10040 - 2010  
 Name of Waterway Tributary to Jakalof Creek  USGS Name  Local Name  
 Addition  Deletion  Correction  Backup Information

04 358

9/21/04 MUK

Nomination #	Revision Year	Revision to:	Revision Code	Editor/Scientist	Date
		Atlas <input type="checkbox"/> Catalog <input type="checkbox"/> Both <input checked="" type="checkbox"/>			
				Editor/Biofact Biologist	Date
				Drafted	Date

**OBSERVATION INFORMATION**

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>

**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:**  
 On a March 3, 2004 timber site inspection, Lee McKinley (DNR-habitat), Cindy Anderson (DNR-habitat), and Wade Wahrenbock (DNR-forestry) observed a vertical waterfall at least 50 feet in height near coordinates 59 28.575' N, 151 28.995' W. This waterfall is quite a bit downstream from the documented terminus of pink salmon spawning in the Anadromous Fish Catalog. This waterfall is an obvious blockage of any possible upstream migration of fish. We hereby request that the pink salmon spawning be corrected to just below the falls. Thanks

*Shorter extent of stream*

ALASKA DEPARTMENT OF FISH & GAME  
 MAR 08 2004

Name of Observer (please print): Lee McKinley Habitat Biologist III, Kenai Area Manager, DNR/OHMP  
 Signature: [Signature] Date: 3/5/2004  
 Address: Kenai River Center 54 Funny River Rd  
Soldotna, AK 99669

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 04/03

## JD Johnson

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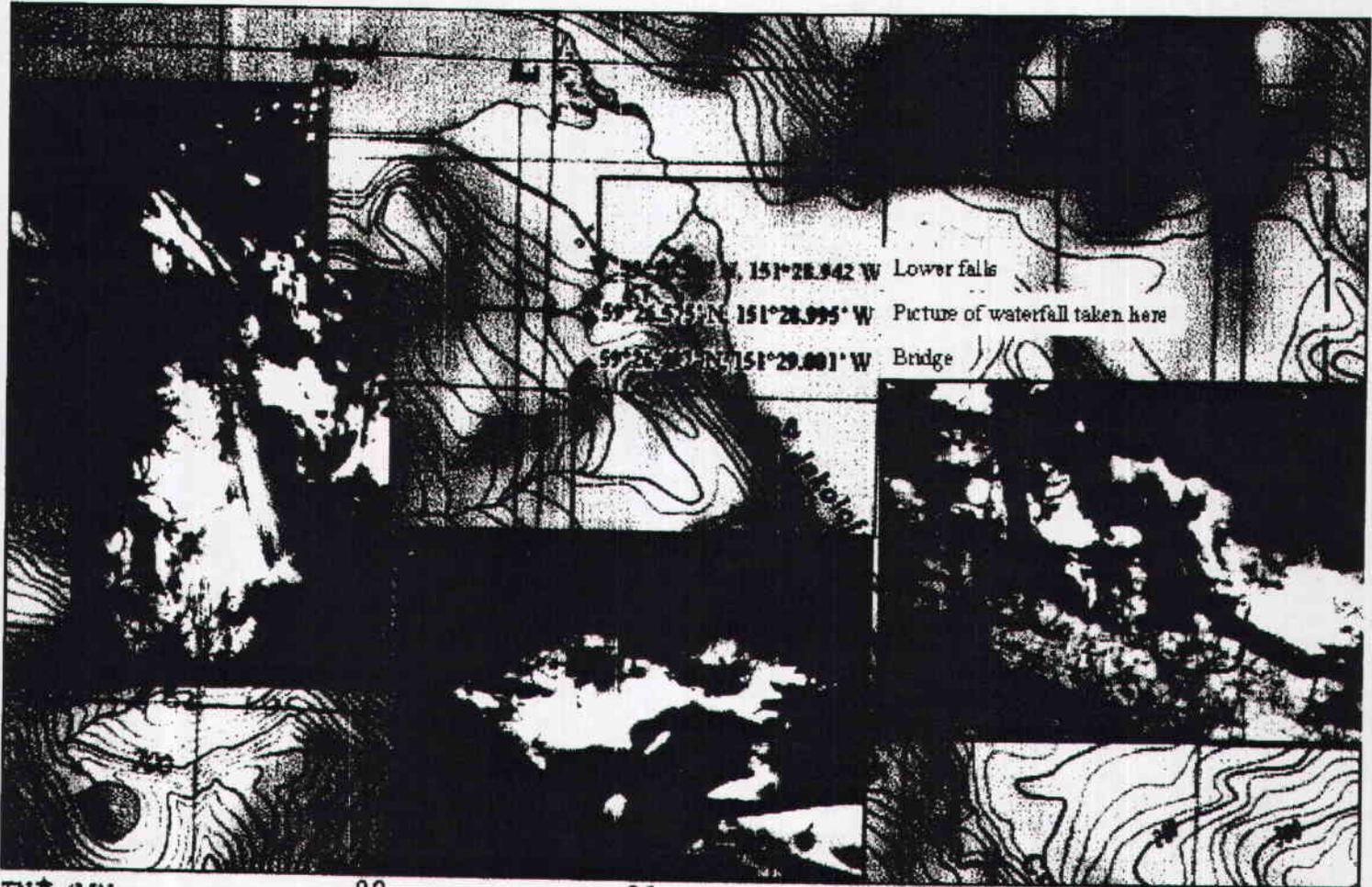
**From:** McKinley, Lee [LMcKinley@borough.kenai.ak.us]  
**Sent:** Friday, March 05, 2004 5:07 PM  
**To:** 'j\_johnson@fishgame.state.ak.us'  
**Subject:** Jakalof Creek



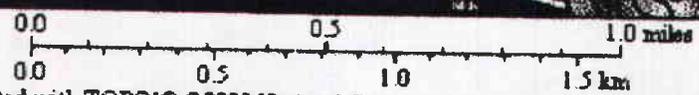
Seldovia  
Creek\_image.gif

Hey J,

On March 3, 2004 I went on a timber site inspection near Seldovia. While there we verified the existence of a very large and sheer waterfall quite a bit downstream from the cataloged terminus of Pink salmon. Attached are some pictures and gps waypoints I took superimposed on a topo map. I will fax you the completed nomination form as well. Let me know if you have any questions. Lee

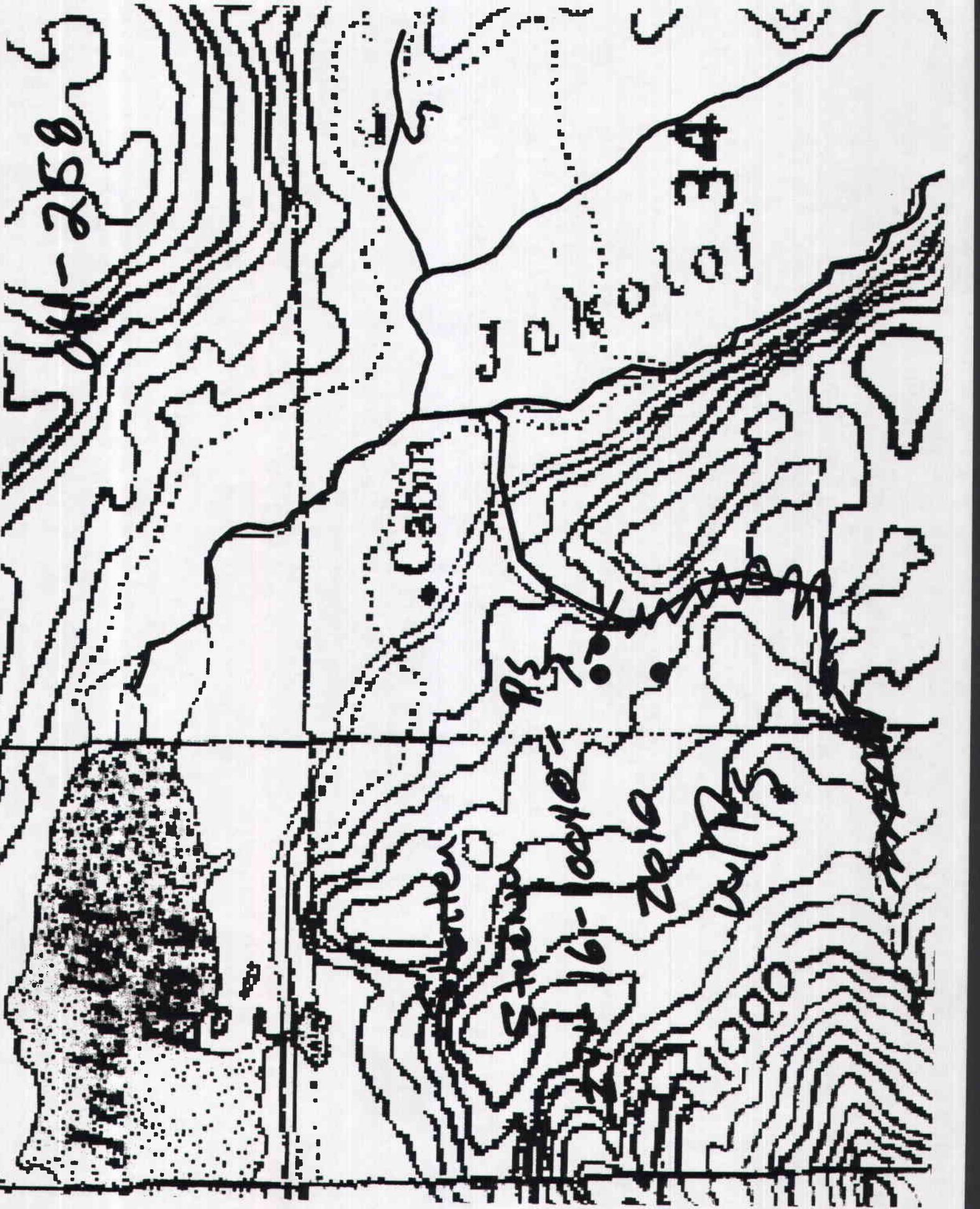


TN / MN  
20°



Map created with TOPO!® ©2003 National Geographic (www.nationalgeographic.com/topo)

59° 26.567' N	151° 28.942' W	59.443	151.462
59° 26.575' N	151° 28.995' W	59.443	151.463
59° 26.497' N	151° 29.001' W	59.442	151.483





State of Alaska  
Department of Fish and Game  
Sportfish Division

Nomination Form  
Fish Distribution Database

RECEIVED

NOV 18 2005

STATE OF ALASKA  
FISH & GAME

Region Southeast

USGS Quad Ketchikan C-5, T73S, R91E, S36

Fish Distribution Database Number of Waterway 101-45-10300

Name of Waterway Unnamed  USGS Name  Local Name

Addition  Deletion  Correction  Backup Information

For Office Use

Nomination #	<u>05-129</u>	<u>[Signature]</u>	<u>11/6/06</u>
Revision Year:	<u>2007</u>	<u>[Signature]</u>	<u>1/6/06</u>
Revision to:	Atlas <u>    </u> Catalog <u>    </u>	Fisheries Scientist	Date
	Both <u>X</u>	<u>[Signature]</u>	<u>11/21/05</u>
Revision Code:	<u>D1, E-9</u>	FDD Project Biologist	Date
		<u>[Signature]</u>	<u>1/13/06</u>
		Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
N/A					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>

**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:** On March 23, 2005, as part of a FRPA inspection, I observed a fish barrier waterfall located 300 feet upstream of NAD27 GPS Point 133.51747 W, 55.50133 N (A weak GPS signal did not allow for a specific point to be taken). The waterfall had a height of 12 feet, a gradient of 40 percent and did not have a plunge pool.

**Actions:** Remove the upstream segment of 101-45-10300, 300 feet upstream of GPS Point 133.51747 W, 55.50133 N.

Remove upstream segment 300 Ft above way pt  
and barrier

Name of Observer (please print):

Valerie Blajeski - Habitat Biologist II

Signature:

[Signature]

Date: 10/27/2005

Address:

ADNR-Office of Habitat Management & Permitting

P.O. Box 668, Craig, AK 99921

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: \_\_\_\_\_

Name of Area Biologist (please print): \_\_\_\_\_

Revision 04/03



**Legend**

-  100' Contour Line
-  Extent of Anadromous
-  Cataloged Streams
-  Section

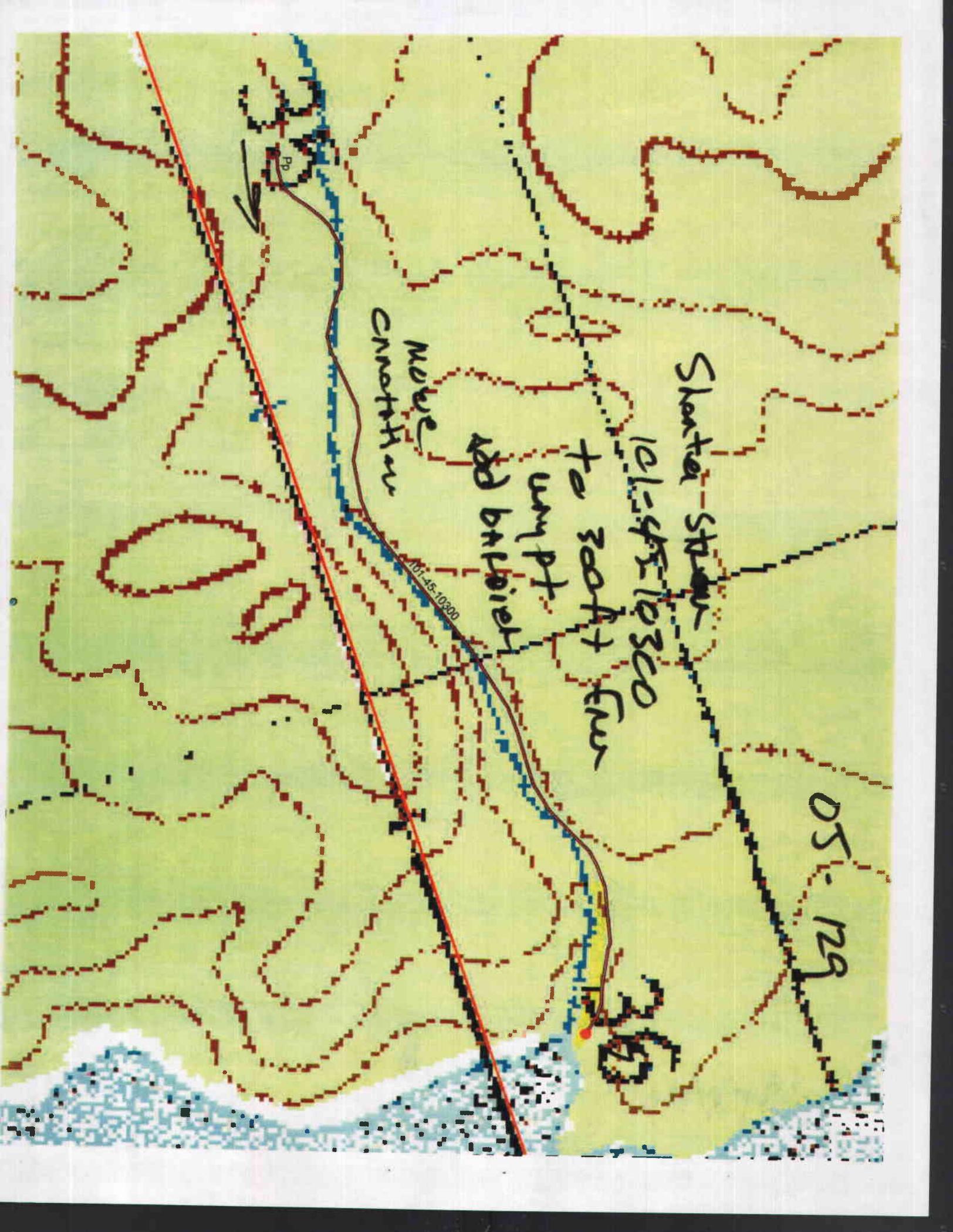


1 inch equals 935.483014 feet

George Inlet



101-45-10270 & 101-45-10300: Ketchikan B-5 & C-5, CRM, T73S, R91E, S's 35 & 36



Skater Station

101-45-10300

to 300ft EWS

unqpt

add barometer

Nebuc

Creston

05-129

101-45-10300

Pp

36



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

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

RECEIVED

NOV 16 2005

STATE OF ALASKA  
 FISH & GAME

Region Southeast USGS Quad Craig B-4, T75S, R80E, S27

Fish Distribution Database Number of Waterway 103-50-10220

Name of Waterway Unnamed  USGS Name  Local Name

Addition  Deletion  Correction  Backup Information

For Office Use

Nomination # <u>05-126</u>	<u>[Signature]</u> Fisheries Scientist	<u>1/6/06</u> Date
Revision Year: <u>2007</u>		<u>11/21/05</u> Date
Revision to: Atlas _____ Catalog _____	<u>[Signature]</u> FDD Project Biologist	<u>1/20/06</u> Date
Both <u>X</u>	<u>[Signature]</u> Drafted	
Revision Code: <u>D-1, E-9</u>		

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
N/A	3/16/2005				<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>

**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:** On March 16, 2005, as part of a FRPA inspection, I observed a coho barrier waterfall at NAD27 GPS point 133.23337 W, 55.34289 N. This high velocity bedrock waterfall had an estimated gradient of 25 percent. This stream is cataloged as anadromous beyond this waterfall and should be adjusted to reflect this coho barrier. Please reference 103-50-10220 Nomination Map.

**Actions:** Remove the upper limits of 103-50-10220 beyond 133.23337 W, 55.34289 N.

Shastou Stream to pt indicated, Add barrier

see map 05-127 streams added

Name of Observer (please print): Valerie Blajeski, Habitat Biologist II

Signature: [Signature] Date: 10/27/2005

Address: ADNR Office of Habitat Management & Permitting  
P.O. Box 668, Craig, AK 99921

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: \_\_\_\_\_ Revision 04/03

Name of Area Biologist (please print): \_\_\_\_\_

05-126

Port Estrella

4  
2  
1  
3

Waterfall

103-50-10220

**Legend**

-  Nominated Streams
-  Cataloged streams
-  100' Contour Line
-  Section



1 inch equals 810.813601 feet



# 103-50-10220-xxxx Stream Nominations, Craig B-4, T75S, R80E, S's 22 & 27

05-126

Shanta 103-56-10220

ADD BARRIER

Move Species  
Annotation  
to barrier

CHCOR

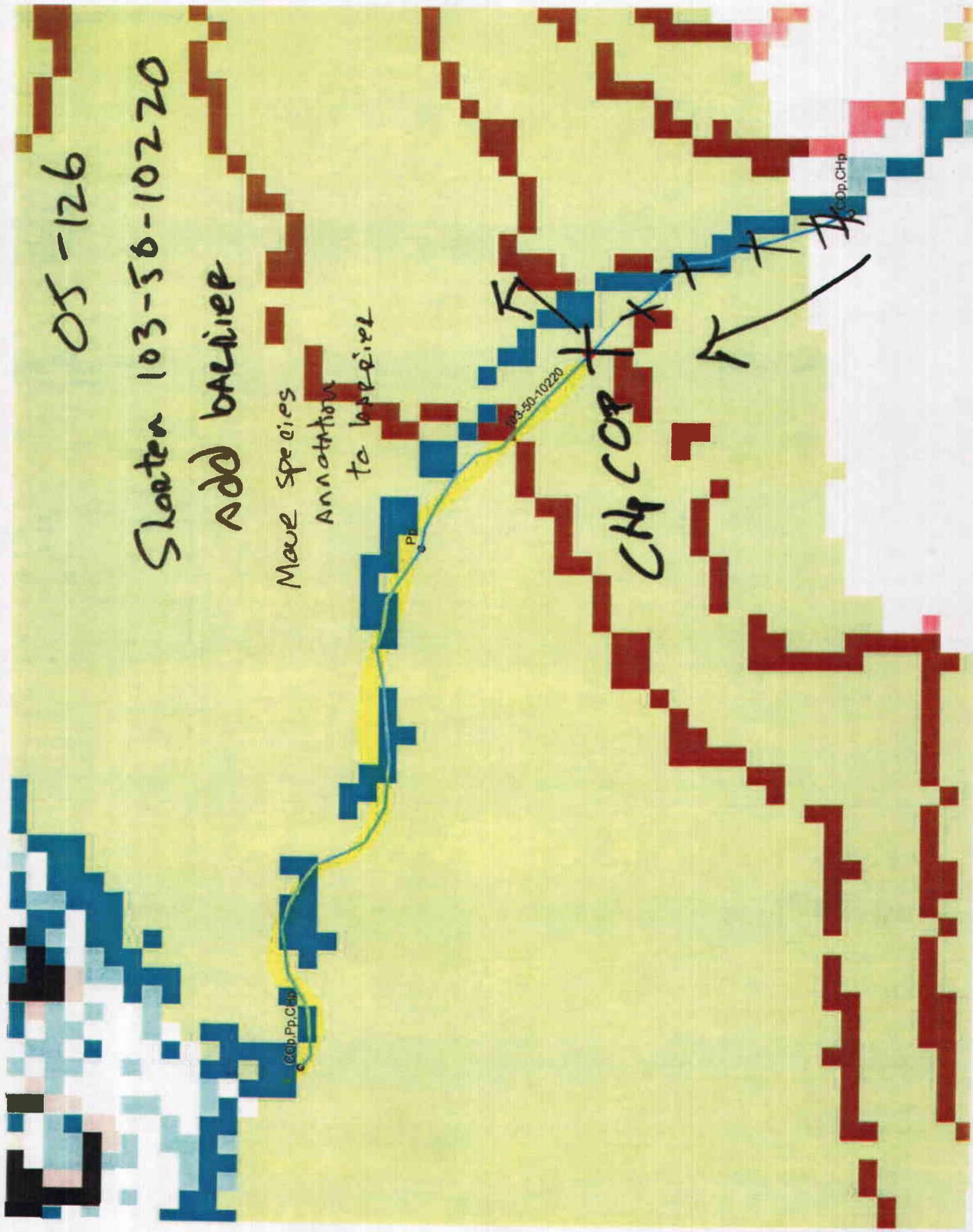


103-50-10220

Pp

Cop.Pp.Chp

Cop.Chp





State of Alaska  
Department of Fish and Game  
Habitat and Restoration Division

Nomination for Waters  
Important to Anadromous Fish

Region SOUTHEAST

USGS Quad Craig C-2, T.72E, R.85E, S.10

Anadromous Water Catalog Number of Waterway 102-70-10320

Name of Waterway Unnamed

USGS Name  Local Name

Addition  Deletion  Correction  Backup Information

For Office Use

Nomination # 05 056  
Revision Year: 2007  
Revision to: Atlas \_\_\_\_\_ Catalog \_\_\_\_\_  
Both   
Revision Code: D-1, E-9

Regional Supervisor *[Signature]* Date 1/6/06  
AWG Project Biologist *[Signature]* Date 07/08/05  
Drafted Date 1/12/06

MAR 11 2005

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
N/A					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>

**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:** On February 1, 2005, as part of a FRPA inspection, I observed a fish barrier waterfall located at NAD 27 GPS Point, 55° 38' 05.8" N, 132° 21' 49.5" W. This high velocity, bedrock waterfall has an estimated gradient of 30 percent and an approximate length of 200 feet. This stream is cataloged as anadromous beyond this waterfall and should be adjusted to reflect this fish barrier. The cataloged stream should terminate approximately 0.5 miles downstream.

**Action:** Remove the upstream portion of stream 102-70-10320 up to 55° 38' 05.8" N 132° 21' 49.5" W.

Add Fish barrier

Name of Observer (please print):

Valerie Blajeski

Signature:

*[Signature]*

Date: 2/3/2005

Address:

DNR OHMP

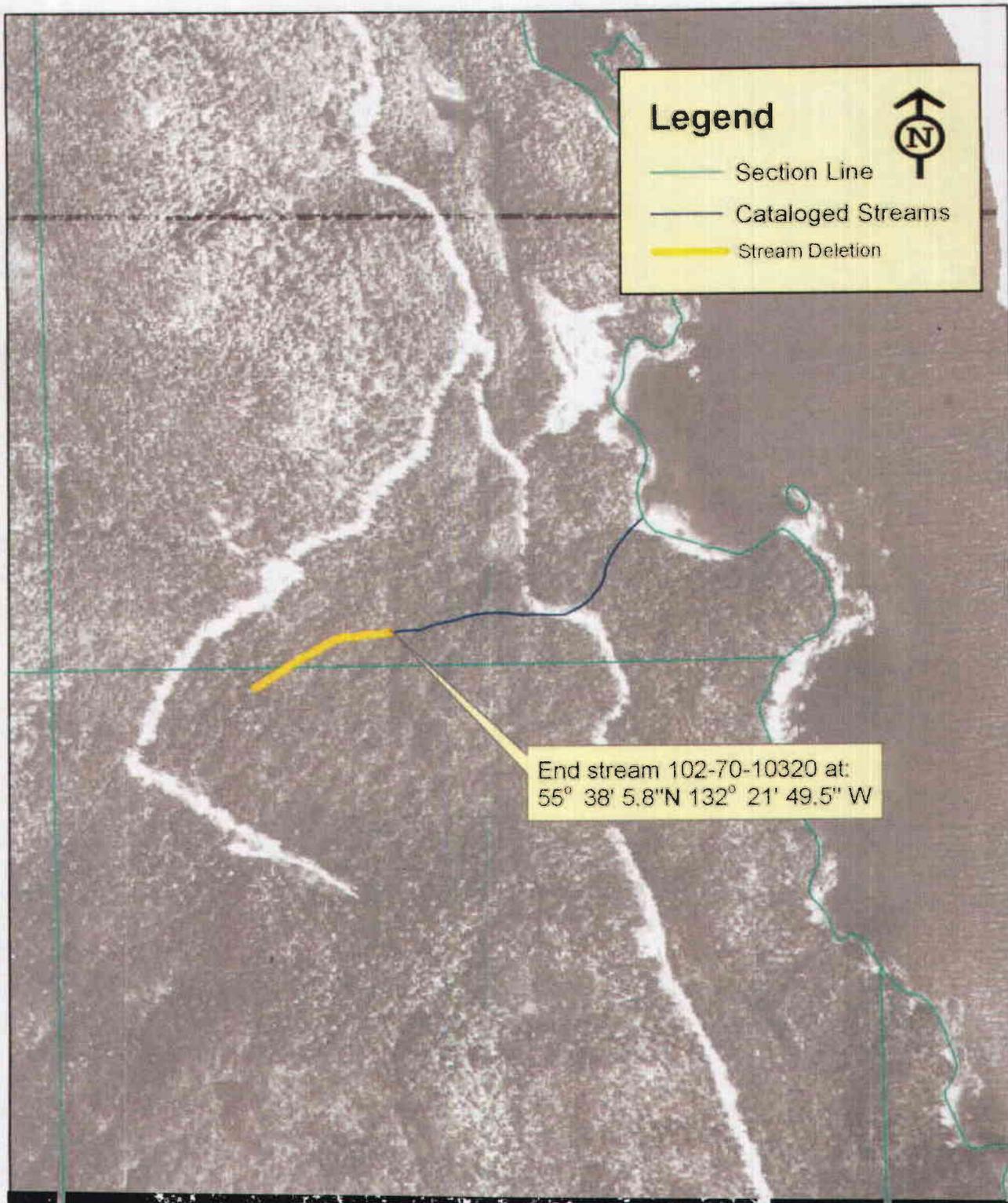
P O Box 668 Craig, AK 99921-0668

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 Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes per AS 16.05.870.

Signature of Area Biologist:

Revision 3/97

# Stream 102-70-10320 Nomination Correction Craig C-2, T.72E, R.85, S.10



1 inch equals 0.176001 miles

2/1/05 Tel, tai 102-70-10320  
55° 38' 05" N, 132° 21' 49.5" W  
Fall on stream 7

~ Grad = 30%

~ 200ft long

Sept 10 Beaver Pond & Outlet Stream

Stc Map shows fish

Atk. does not even show stream

Stc will buffer from Pond to salt

Stream, entering main stream

Jacob's

~~Falls~~ Creek

102-70-10410

Found Old Encl. Alred from 95

Maybe JD initials

~12' Falls bedrock step above & below

Loc 55 34 45.8 132 25 58.6

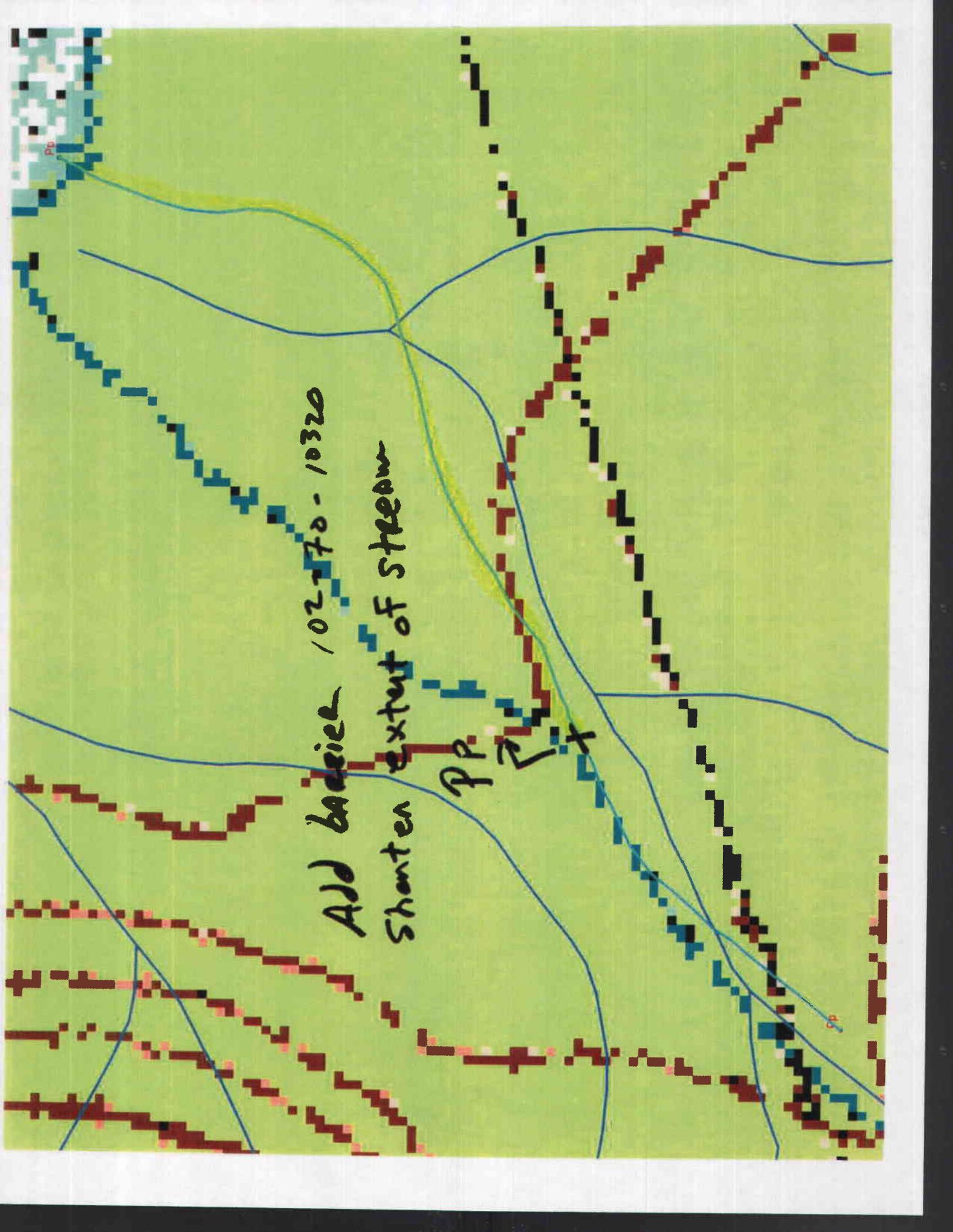
Just uphill at slope Break

Add basecell 102770-10320

Shorten extent of stream

PP

PP





State of Alaska  
Department of Fish and Game  
Sportfish Division

Nomination Form  
Fish Distribution Database

RECEIVED

NOV 18 2005

STATE OF ALASKA  
FISH & GAME

Region Southeast

USGS Quad Ketchikan B-5, T73S, R91E, S's 35 & 36

Fish Distribution Database Number of Waterway 101-45-10270

Name of Waterway  USGS Name  Local Name

Addition  Deletion  Correction  Backup Information

		For Office Use	
Nomination #	<u>05-130</u>	<u>[Signature]</u>	<u>1/6/06</u>
Revision Year:	<u>2007</u>	Fisheries Scientist	Date <u>1/6/06</u>
Revision to:	Atlas _____ Catalog _____	<u>[Signature]</u>	Date <u>11/21/05</u>
	Both <u>X</u>	FTD Project Biologist	Date <u>1/13/06</u>
Revision Code:	<u>E-9, D-1</u>	<u>[Signature]</u>	Drafted Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
N/A					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>

**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:** On March 23, 2005, as part of a FPRA inspection, I observed an end to anadromous fish habitat 150 feet upstream from NAD27 GPS Point 131.52597 W, 55.49147 N (A weak GPS signal did not allow for a specific point to be taken). At this location the stream increases in gradient to 15-20 percent. The substrate is cobble to bedrock. There were no pools, minimal habitat and no fish electroshocked above this gradient increase.

**Action:** Remove the upstream segment of 101-45-10270, 150 feet upstream of GPS Point 133.52597 W, 55.49147 N.

Original nomination 83-613 indicates extent to approximate location of barrier. No data to indicate extent far. Shorten stream add barrier

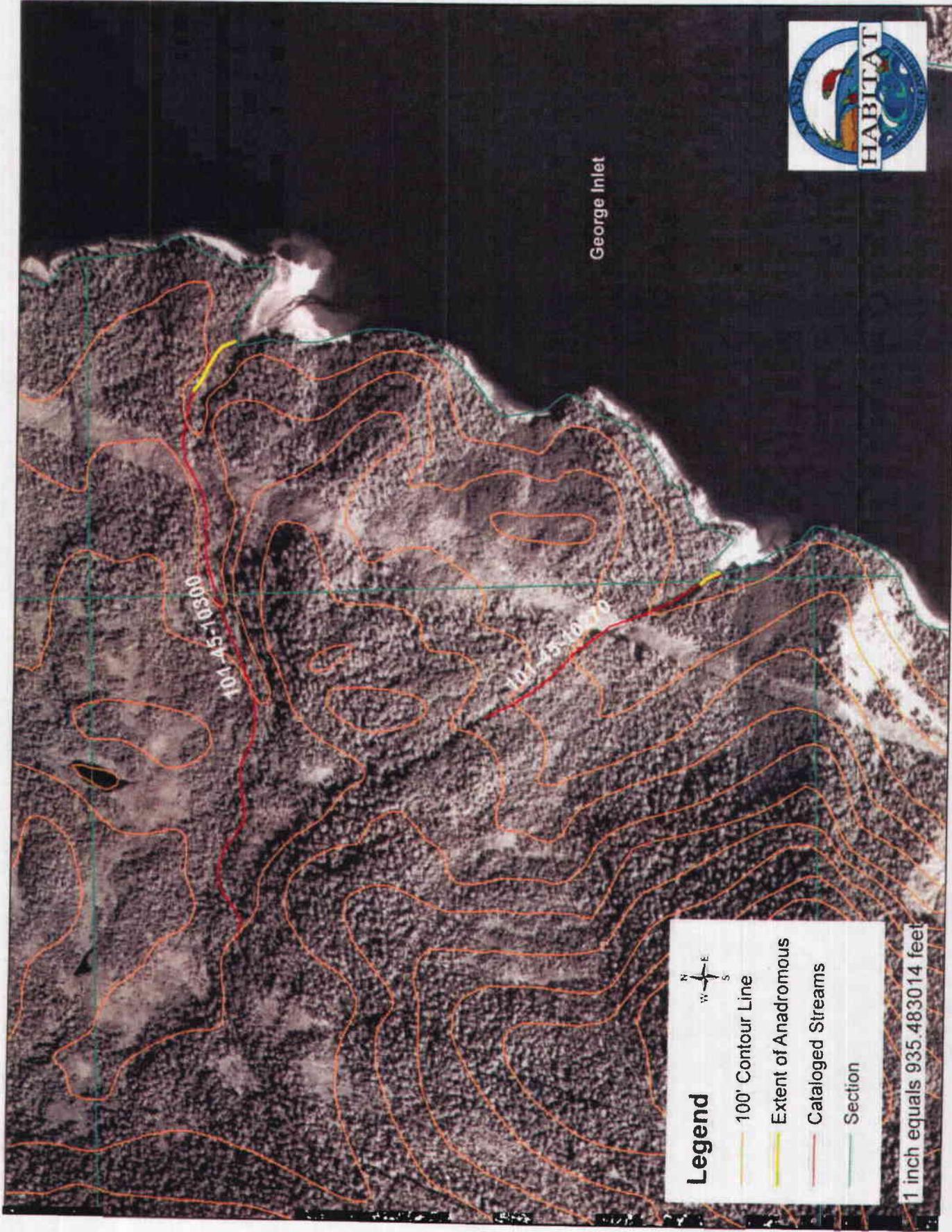
Name of Observer (please print): Valerie Blajeski - Habitat Biologist II  
 Signature: [Signature]  
 Address: ADNR-Office of Habitat Management & Permitting  
P.O. Box 666, Craig, AK 99921

Date: 10/27/2005

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: \_\_\_\_\_  
 Name of Area Biologist (please print): \_\_\_\_\_

Revision 04/03



George Inlet

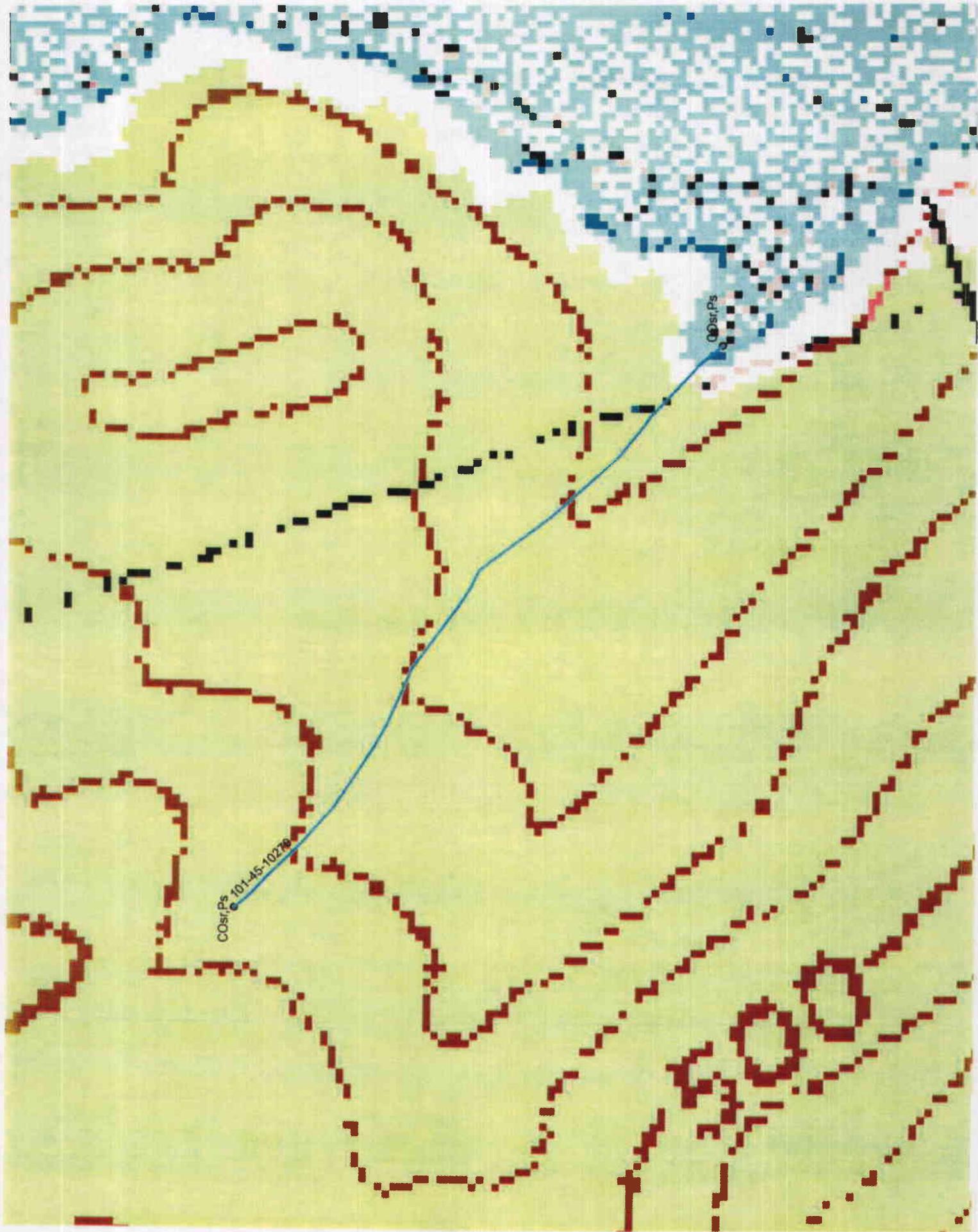


**Legend**

- 100' Contour Line
- Extent of Anadromous
- Cataloged Streams
- Section

1 inch equals 935.483014 feet

101-45-10270 & 101-45-10300: Ketchikan B-5 & C-5, CRM, T73S, R91E, S's 35 & 36





OS-130

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

83-613

Addition

Deletion

Name of Waterbody (if known): See map D

Location:

Anadromous Waters Catalog Volume and Number Southeast 1

USGS 1:63,360 Quadrangle Hutchinson B-5

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

Species	Date(s) Observed	Stage(s) (Spawning, Rearing, Migration)
<u>Pink</u>	<u>81-82</u>	<u>m, s</u>
<u>Coho</u>	<u>81-82</u>	<u>m, s, R</u>

Comments: Please provide any clarifying information. Also, please include a map of the area identifying the stream reach. This can be a copy of the map from the Anadromous Waters Atlas.

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Name of Observer (please print) Dan House

Date: 3/7/83 Signature: Dan House

Address: 415 Main St Fairbanks

5710, AK

9/03



OS -130

Shanta Stream to

< 660 ft

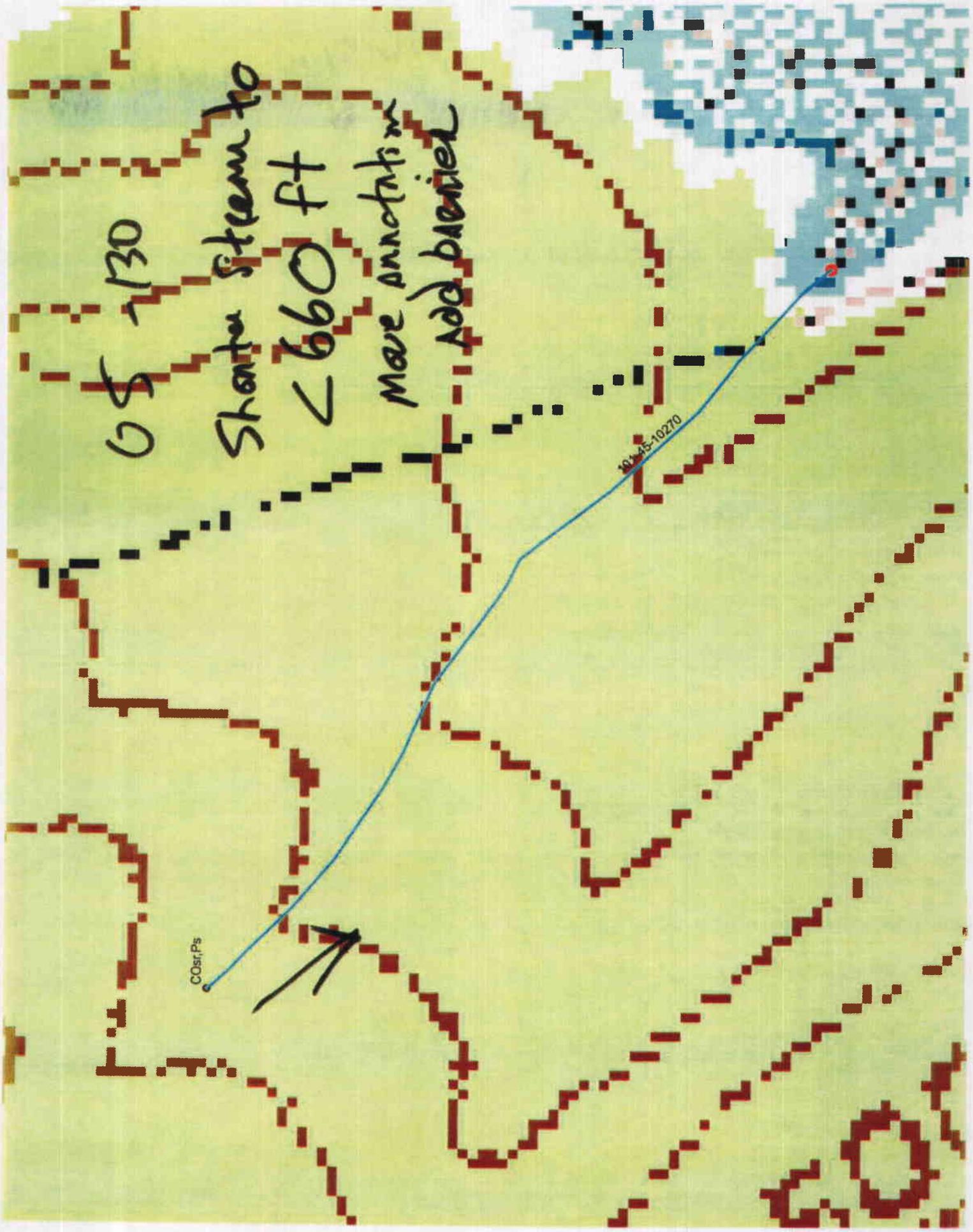
move annotation

add barrier

COsr,Ps



10-45-10270





State of Alaska  
Department of Fish and Game  
Sportfish Division

Nomination Form  
Fish Distribution Database

JB

Region Southeast USGS Quad(s) Petersburg D-6  
 Fish Distribution Database Number of Waterway 109-42-10050 + 2008  
 Name of Waterway Sitkum Creek  USGS Name  Local Name  
 Addition  Deletion  Correction  Backup Information

ALASKA DEPT. OF  
FISH & GAME  
OCT 2 2006

For Office Use

Nomination #	<u>06-279</u>	<u>[Signature]</u>	<u>10/17/06</u>
		ADF&G Fisheries Scientist	Date
Revision Year:	<u>2007</u>	<u>[Signature]</u>	<u>10/19/06</u>
		ADNR OHMF Operations Mgr.	Date
Revision to: Atlas _____ Catalog _____		<u>[Signature]</u>	<u>12/03/06</u>
Both <u>X</u>		FDD Project Biologist	Date
Revision Code: <u>B-5 D-1, D-2</u>		<u>[Signature]</u>	<u>10/24/06</u>
<u>E-9</u>		Cartographer	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>

**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.

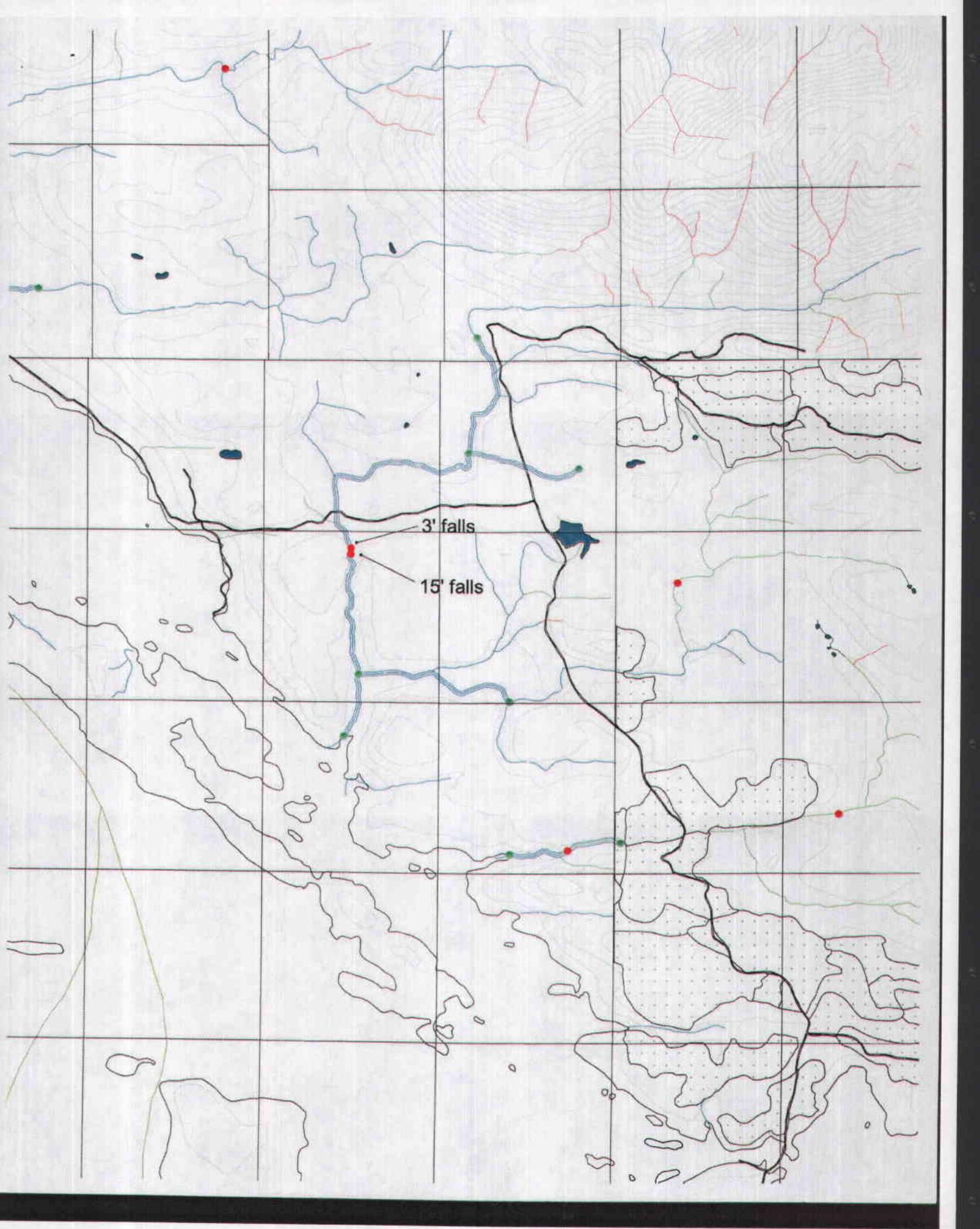
Comments:

The location of the 15' barrier was confirmed on 6/5/06 during a forest practices inspection.  
 Shorten 109-42-10050 add barrier  
~~to~~ delete 109-42-10050-2008

Name of Observer (please print): James P. Cariello  
 Signature: [Signature] Date: 9/26/06  
 Agency: \_\_\_\_\_  
 Address: \_\_\_\_\_

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: [Signature] Date: 9/26/06 Revision 02/05  
 Name of Area Biologist (please print): Douglas F. Fleming





06-279

Sherten  
109-42-10050  
Add barrier  
delete 109-42-10050-  
2008

CHOCOPY

109-42-10050-2008

109-42-10050

109-42-10050-2002

Boat  
Lakes

Portage  
Bowl

Creek

109-42-10050

109-42-10050

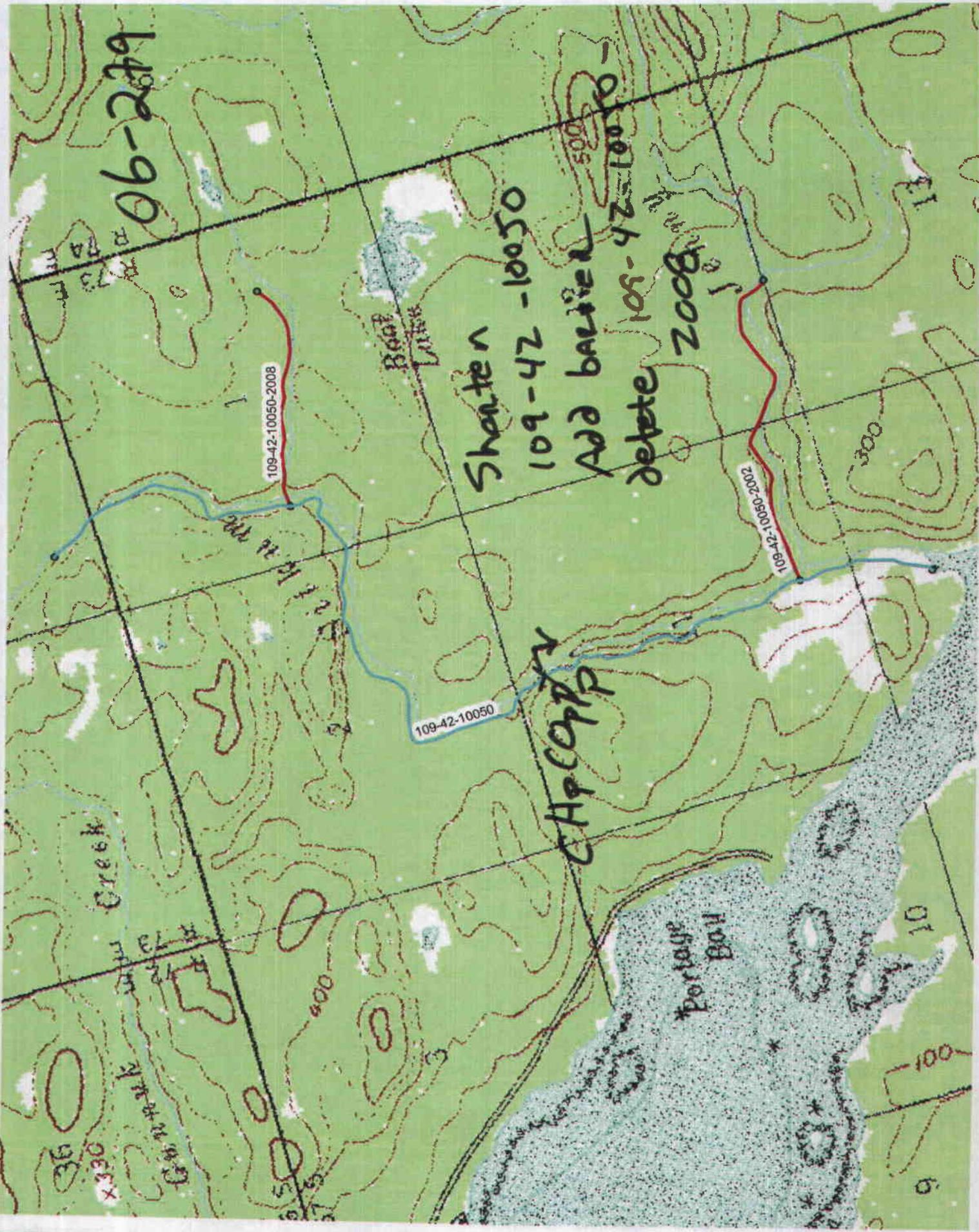
36  
x330

500

400

100

10







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

**Nomination Form  
Fish Distribution Database**

Region Southcentral USGS Quad(s) Seldovia C-4  
 Fish Distribution Database Number of Waterway 241-15-10420  
 Name of Waterway Unnamed  USGS Name  Local Name  
 Addition  Deletion  Correction  Backup Information

For Office Use

Nomination # <u>06-103</u>	<u>[Signature]</u> ADF&G Fisheries Scientist	<u>10/17/06</u> Date
Revision Year: <u>2007</u>	<u>[Signature]</u> ADNR OHMP Operations Mgr.	<u>10/19/06</u> Date
Revision to: Atlas _____ Catalog _____ Both <u>X</u>	<u>[Signature]</u> FDD Project Biologist	<u>09/15/06</u> Date
Revision Code: <u>D-1</u>	<u>[Signature]</u> Cartographer	<u>10/20/06</u> Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>

**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:

**NAD 83**

On August 29, 2006 a local resident and I walked the unnamed Halibut Cove stream (now cataloged as Stream No. 241-15-10420) from the mouth, upstream to a 15 to 20 foot natural waterfall (59°35.351' N, 151°13.983' W). There were no pools in between the 15 to 20 foot drop, nor enough water depth to allow fish passage. The stream consists of a series of small pools and cascading waterfalls with large rock. I didn't observe any fish or spawning habitat between the waterfall and the mouth but the waterfall was the first definitive fish pass obstacle.

Shorter extent of stream to lat/long provided

Name of Observer (please print): Ginny Litchfield Date: 8/14/2006  
 Signature: [Signature]  
 Agency: Ak Dept. of Natural Resources, Office of Habitat Management & Permitting  
 Address: 514 Funny River Road  
Soldotna, AK 99669

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: [Signature] Date: 9-14-06 Revision 02/06  
 Name of Area Biologist (please print): Lee McKinley



State of Alaska  
Department of Fish and Game  
Sportfish Division

Nomination Form  
Fish Distribution Database

Region Southcentral USGS Quad(s) Seldovia C-4

Fish Distribution Database Number of Waterway 241-15-10420

Name of Waterway Unnamed  USGS Name  Local Name

Addition  Deletion  Correction  Backup Information

For Office Use

Nomination # <u>06-103</u>	_____	_____
Revision Year: _____	ADF&G Fisheries Scientist	Date _____
Revision to: Atlas _____ Catalog _____	ADNR OHMP Operations Mgr.	Date _____
Both _____	FDD Project Biologist	Date _____
Revision Code: _____	Cartographer	Date _____

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>

**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.

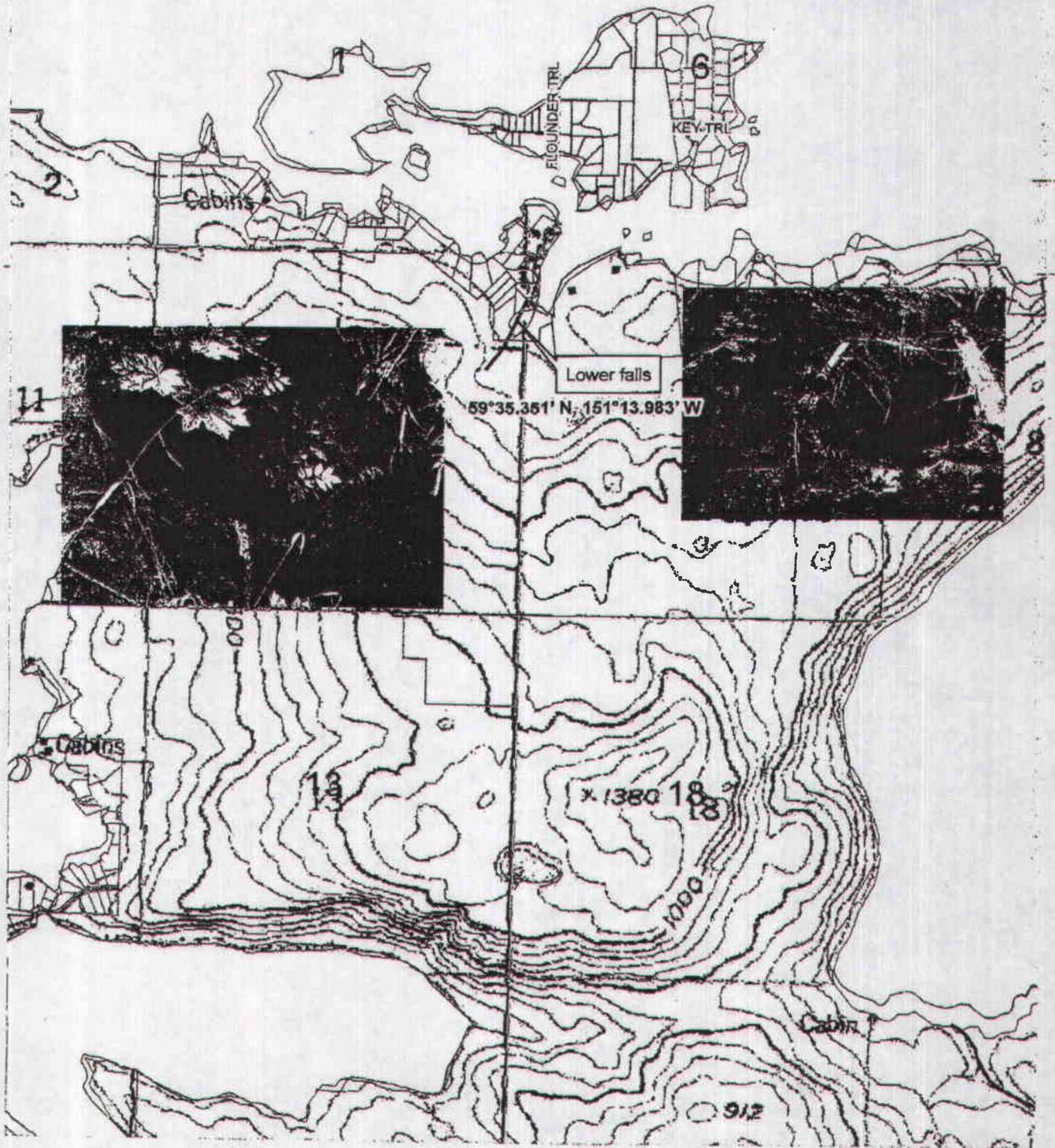
Comments:

On August 29, 2006 a local resident and I walked the unnamed Halibut Cove stream (now cataloged as Stream No. 241-15-10420) from the mouth, upstream to a 15 to 20 foot natural waterfall (59°35.351' N, 151°13.983' W). There were no pools in between the 15 to 20 foot drop, nor enough water depth to allow fish passage. The stream consists of a series of small pools and cascading waterfalls with large rock. I didn't observe any fish or spawning habitat between the waterfall and the mouth but the waterfall was the first definitive fish pass obstacle.

Name of Observer (please print): Ginny Litchfield  
 Signature: \_\_\_\_\_ Date: 9/14/2006  
 Agency: Ak Dept. of Natural Resources, Office of Habitat Management & Permitting  
 Address: 514 Funny River Road  
Soldotna, AK 99669

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: \_\_\_\_\_ Revision 02/05  
 Name of Area Biologist (please print): \_\_\_\_\_





514 Funny River Road • Soldotna, Alaska 99669 • (907) 265-4882 • Fax: (907) 260-5992

# FAX

To: JD Johnson From: Ginny Litchfield  
 Fax: 267-2464 Pages: 3 including cover page  
 Phone: \_\_\_\_\_ Date: 9/14/2006  
 Re: Nomination Form

Comments:

**J Johnson**

---

**From:** Litchfield, Ginny [GLitchfield@borough.kenai.ak.us]  
**Sent:** Thursday, September 14, 2006 1:37 PM  
**To:** 'j\_johnson@fishgame.state.ak.us'  
**Subject:** RE: nomination to FDD

yes

*Ginny Litchfield  
Kenai River Center  
Habitat Biologist  
State of Alaska  
Department of Natural Resources  
Office of Habitat Management and Permitting  
(907) 260-4890*

-----Original Message-----

**From:** J Johnson [mailto:j\_johnson@fishgame.state.ak.us]  
**Sent:** Thursday, September 14, 2006 1:26 PM  
**To:** Litchfield, Virginia P (DNR)  
**Subject:** nomination to FDD

Ginny

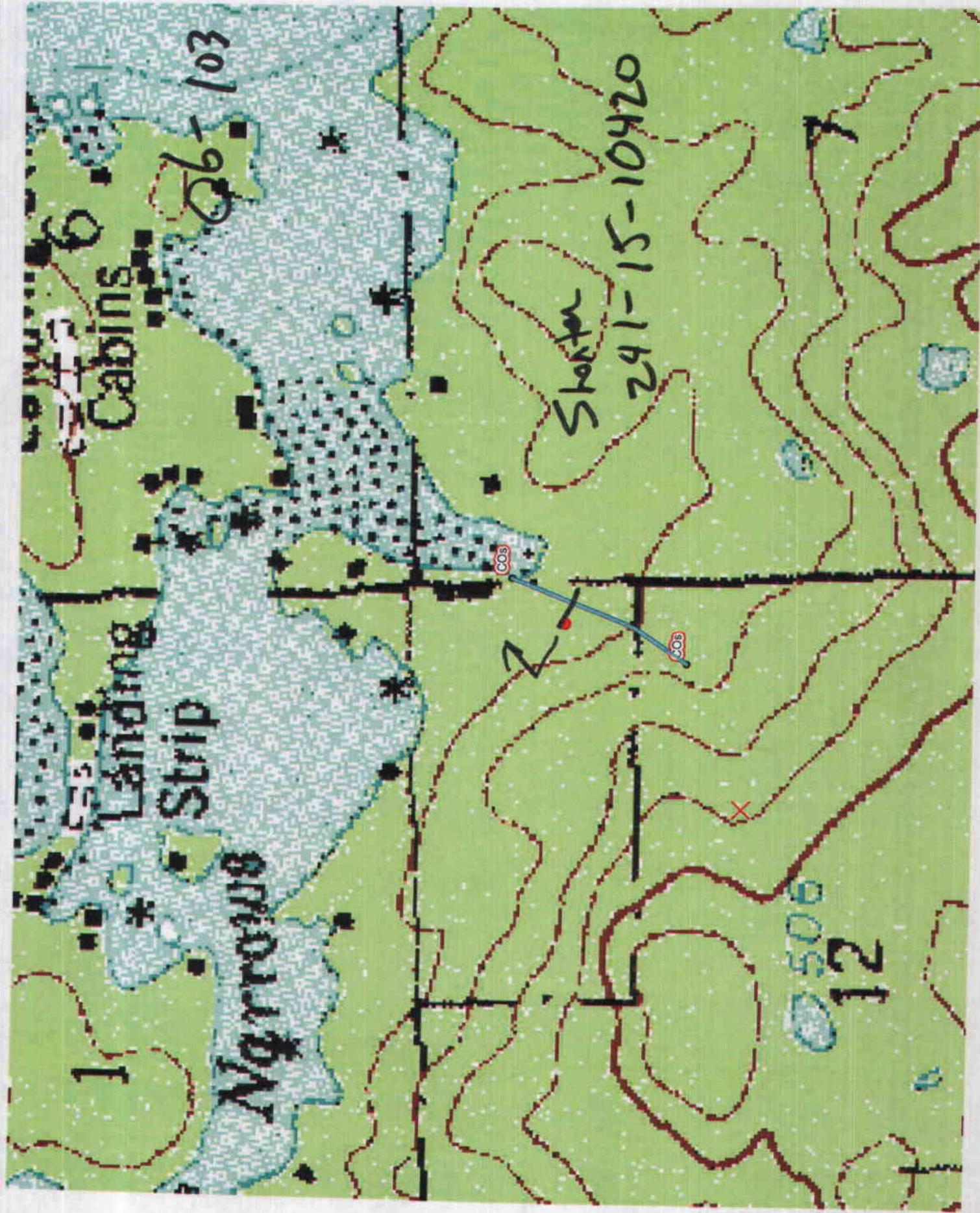
the attached pdf displays the location (red dot) of the waterfall based on the lat/long provided on the nomination to FDD you submitted. The red dot marks the spot. Since the red dot is off the stream arc a bit I would like know if red dot was shifted to arc (blue line) would that represent location to shorten arc?

9/14/2006



Lower falls

59°35.351' N, 151°13.983' W



Cabins

Landing Strip

Agrows

Sheton  
241-15-10420

Q6-103

COS

COS

500

12

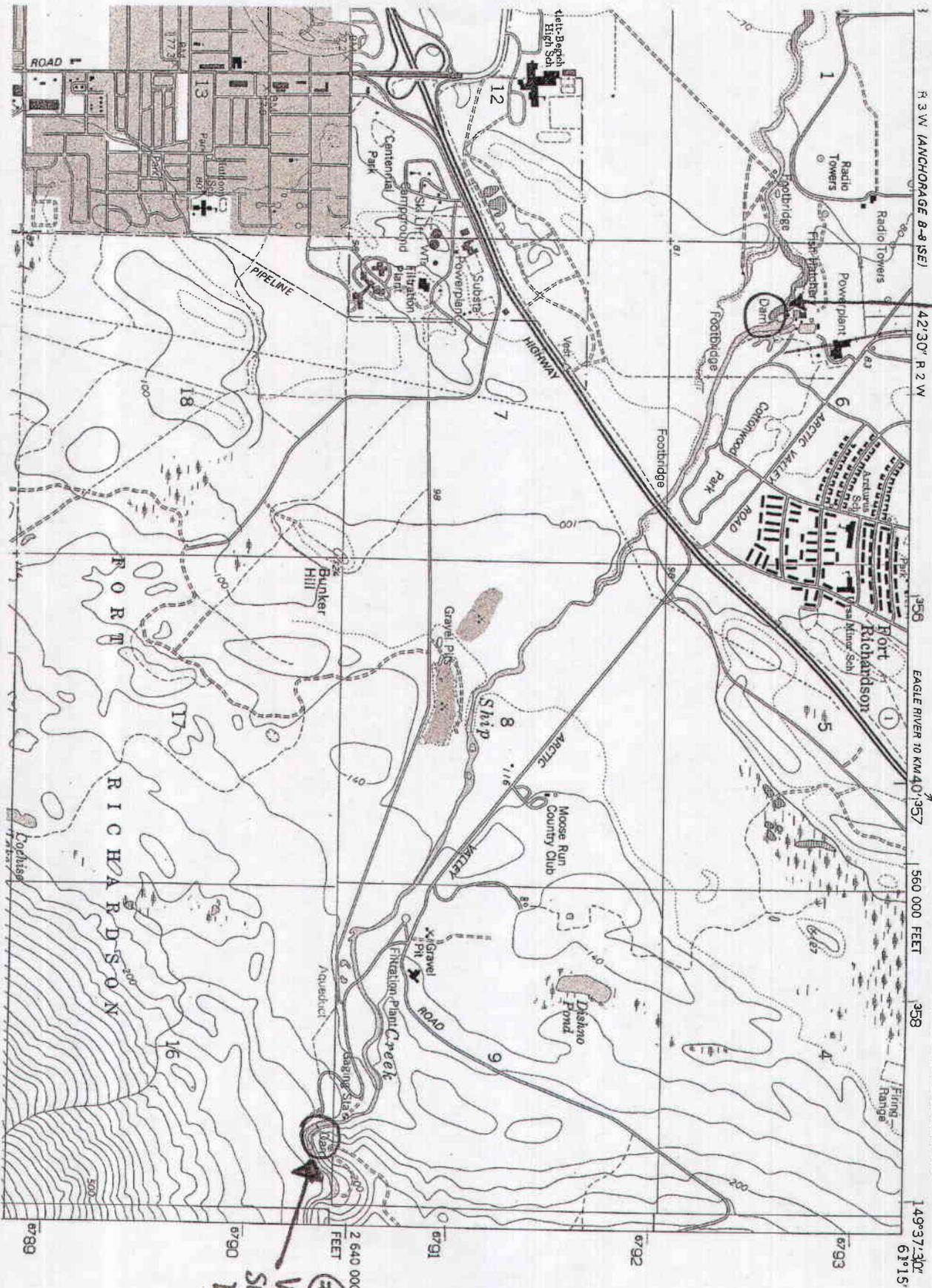
1

6



# FORT RICHARDSON DAM

#2



ANCHORAGE (A-8) NE QUADRANGLE  
ALASKA-MUNICIPALITY OF ANCHORAGE  
1:25 000-SCALE SERIES (TOPOGRAPHIC)  
NEA ANCHORAGE (A-8) 1:63 300-SCALE QUADRANGLE

(ANCHORAGE B-7 SW)

ANCHORAGE B-8 SW/



U.S. DEPARTMENT OF THE INTERIOR  
U.S. GEOLOGICAL SURVEY

149°48.43'E  
61°15'

47°30'

351000-E

352

45'

353

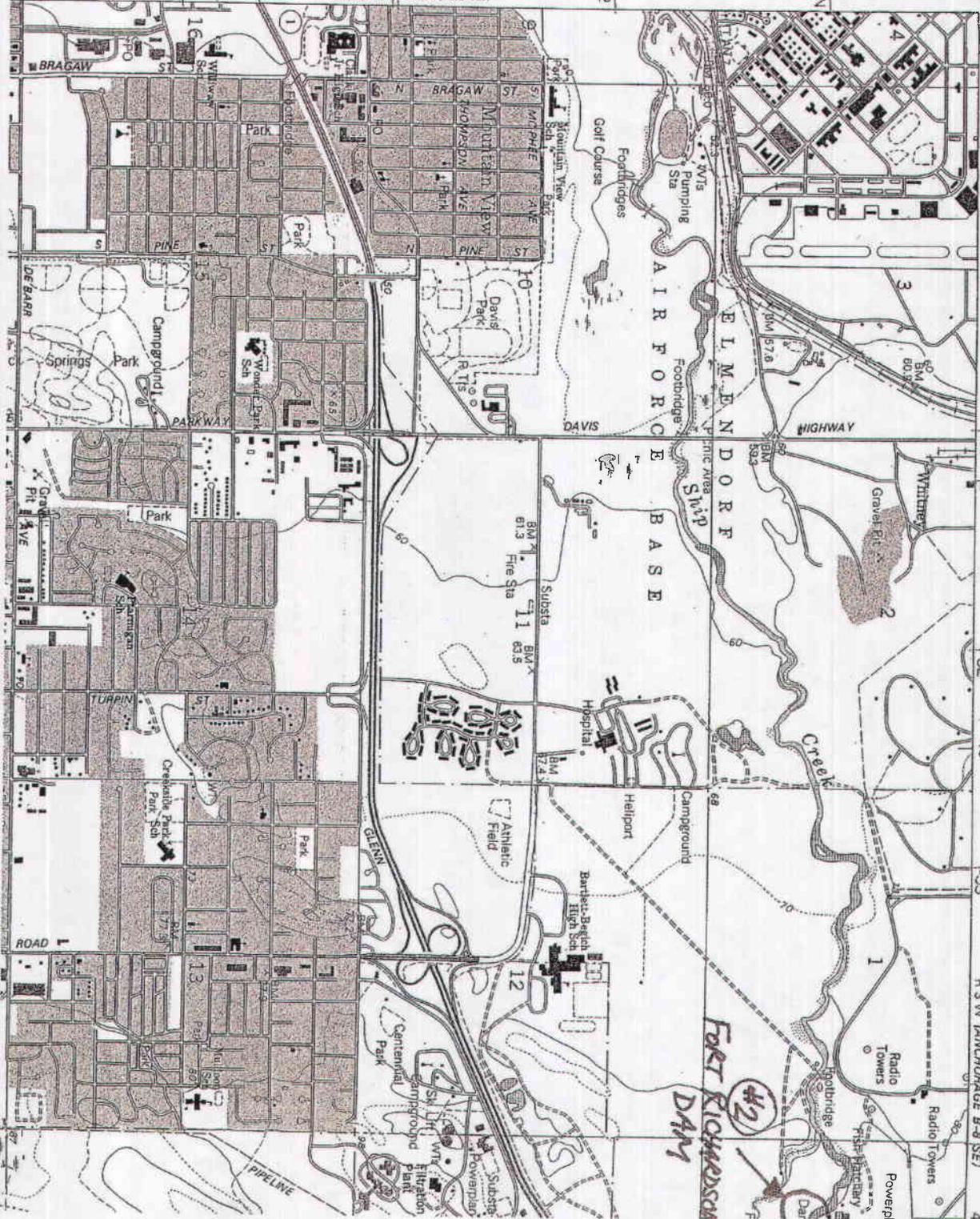
R 3 W ANCHORAGE B-8 (SE)

07930000N

0792

0790

GIRDWOOD 60 KM  
ANCHORAGE (FEDERAL BLDG) 3.8 KM



Fort Richardson  
DAM

#2