

JB

FISH DISTRIBUTION DATABASE CATALOG/ATLAS  
CORRECTION FORM

CORRECTION TO: ATLAS X CATALOG X

REGION: SEA

MAP: SKAGWAY B-3, ~~B-4~~

WATERWAY NUMBER: 115-32-10250-2077-3061-4002

DESCRIBE CHANGE(S): Redraw stream NC

115-32-10250-2077-3061 Reposition

Stream mouth, reposition 115-32-

10250-2077-3061-4002

Added DVP to -3061. Stream 4002 has DVP.

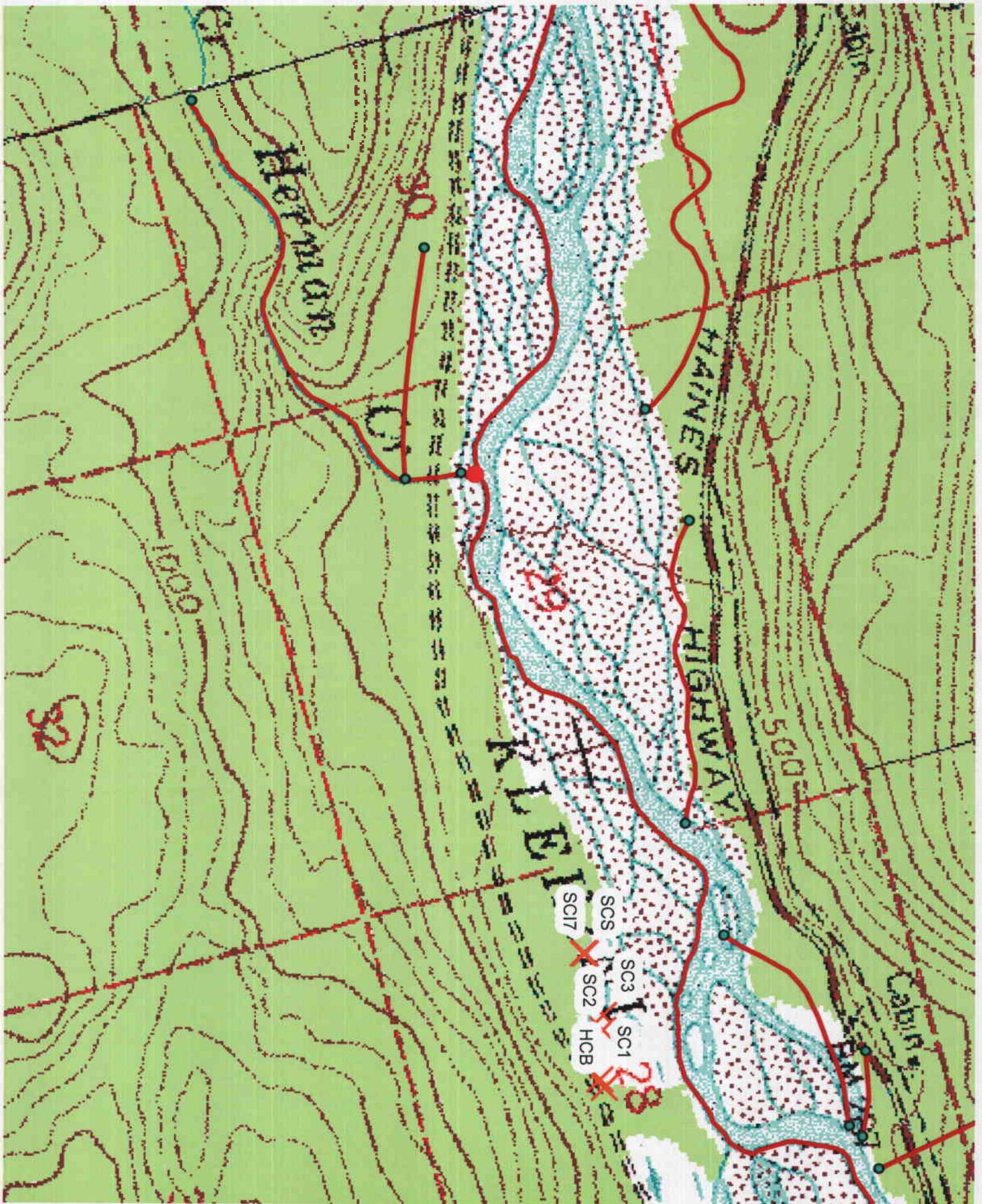
CHANGE REQUESTED BY: Randy Erickson / J Johnson 8/17/06  
DATE

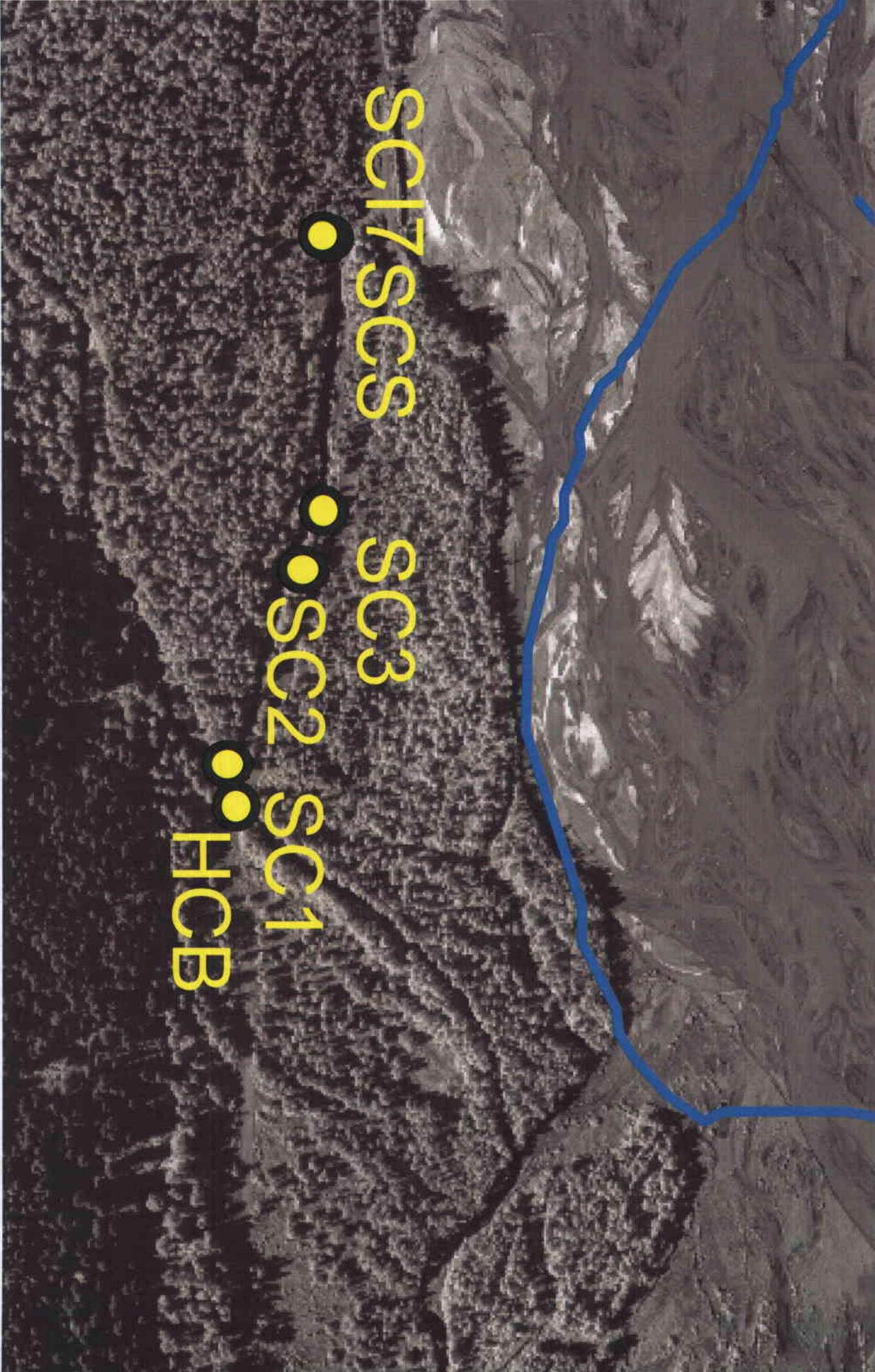
DRAFTED/DIGITIZED BY: 2 June 10/31/06  
DATE

REVISION CODE: C-9 C-7 B-1

NOMINATION NUMBER: ~~06-064~~ 06-054

~~\*\* ATTACH THIS FORM TO EXISTING NOMINATION FORM IN FILE \*\*~~





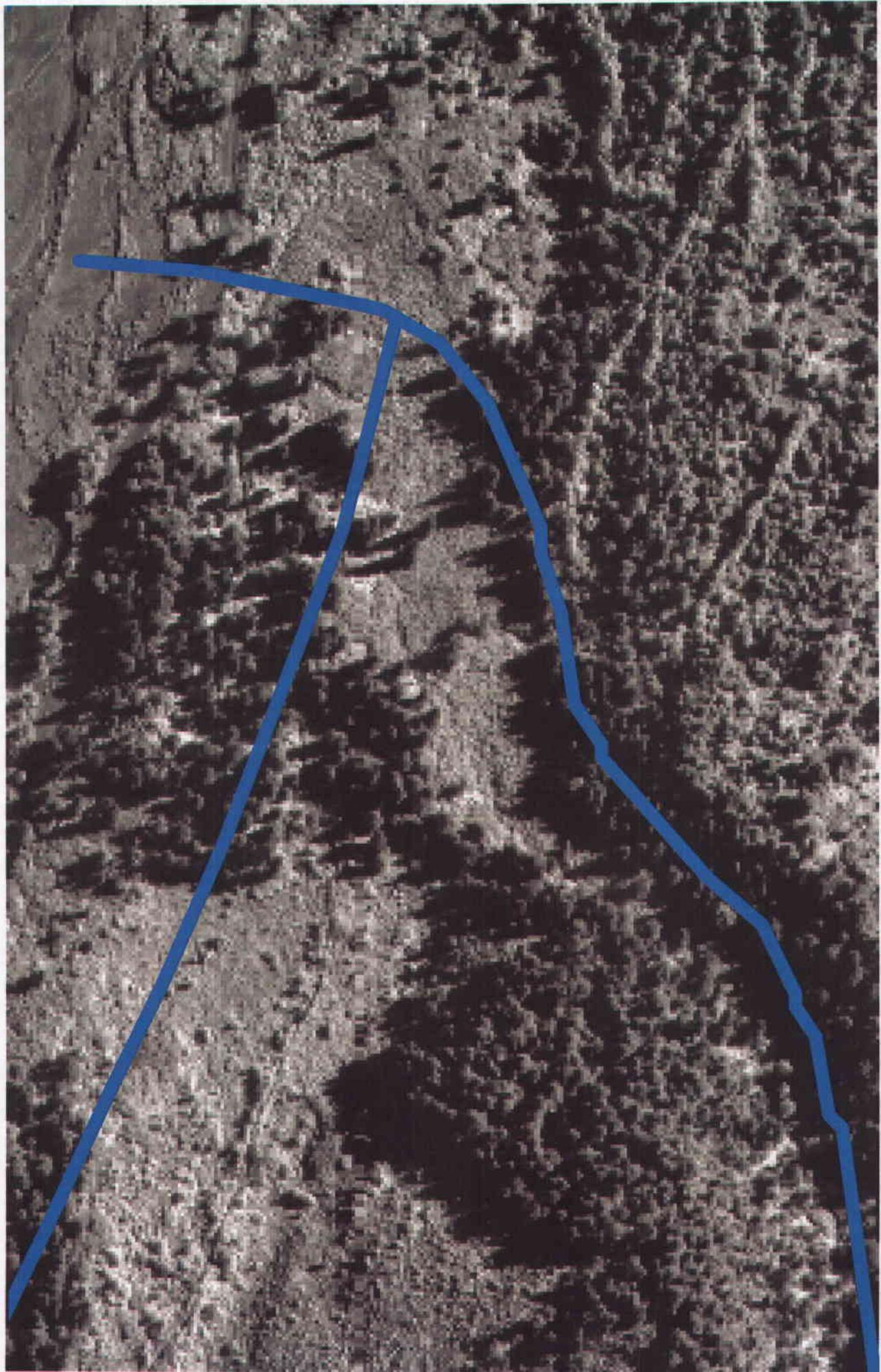
SC17 SCS

SC3

SC2 SC1

HCB





Herman.txt

Waypoints hddd.ddddd° WGS-84

	Latitude	Longitude	Time	Symbol	Alt
017	N 59.41303°	W136.08299°	525312001	0	190
018	N 59.41296°	W136.08394°	525312001	0	190
019	N 59.41307°	W136.08600°	525312001	0	142

## J Johnson

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**From:** Randy Ericksen [randy\_ericksen@fishgame.state.ak.us]  
**Sent:** Thursday, August 24, 2006 4:29 PM  
**To:** j\_johnson@fishgame.state.ak.us  
**Subject:** RE: Herman Creek upper

**Attachments:** Herman.txt



Herman.txt (345 B)

Sorry. I sent the wrong file. Here is the correct one.

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

From: Randy Ericksen [mailto:randy\_ericksen@fishgame.state.ak.us]  
Sent: Thursday, August 24, 2006 4:24 PM  
To: 'j\_johnson@fishgame.state.ak.us'  
Subject: RE: Herman Creek upper

I got to walk the upper portion of Herman Creek this afternoon. Attached is a text file with the waypoints as follows:

Waypoint 17 (error +- 43m) Herman Creek channel. Lots of coho fry observed in the stream.

Waypoint 18 (error +- 43m) medium sized beaver dam. No fish observed upstream

Waypoint 19 (error +- 11m) larger beaver dam. End survey.

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

From: J Johnson [mailto:j\_johnson@fishgame.state.ak.us]  
Sent: Thursday, August 17, 2006 8:25 AM  
To: 'Randy Ericksen'  
Subject: RE: Herman Creek upper

We will redraw hydrography based on your "on-the-ground" knowledge. As I am working on nominations now, this change is expected to be reflected in maps scheduled for regulatory adoption by June 07. If you have a chance to walk the whole creek, I'd be interested in the track lat/long

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

From: Randy Ericksen [mailto:randy\_ericksen@fishgame.state.ak.us]  
Sent: Thursday, August 17, 2006 8:06 AM  
To: j\_johnson@fishgame.state.ak.us  
Subject: RE: Herman Creek upper

Herman Creek has been essentially in the same channel since I came here in 1984. The Atlas maps have been incorrect.

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

From: J Johnson [mailto:j\_johnson@fishgame.state.ak.us]  
Sent: Thursday, August 17, 2006 6:47 AM  
To: 'Randy Ericksen'  
Subject: RE: Herman Creek upper

Thx  
Appreciate you taking the time w/this. That helps a great deal. Do you know if Herman Creek ever flowed into the Klehini R. as indicated on the Atlas maps? Or has Herman Creek original course changed so much over time that Herman Creek no longer flows into Klehini R. at the previously defined pt?

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

From: Randy Ericksen [mailto:randy\_ericksen@fishgame.state.ak.us]  
Sent: Wednesday, August 16, 2006 3:27 PM  
To: j\_johnson@fishgame.state.ak.us  
Subject: RE: Herman Creek upper

Okay. Here is my best guess at the actual stream channels. I am 99% sure of the location of the spawning channel and Herman Creek from the mouth to about 1km upstream of the confluence with the spawning channel. Past that point I can't say with certainty where it runs without ground-truthing. I know that it originates in Herman Lake (not accessible to anadromous fish) and runs underground through a cave for a ways. Looking at the topo map it looks like it should originate about the same place as where it was located on the FDD map.

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

From: J Johnson [mailto:j\_johnson@fishgame.state.ak.us]  
Sent: Wednesday, August 16, 2006 2:38 PM  
To: 'Randy Ericksen'  
Subject: RE: Herman Creek upper

Drawing in the "location" of Herman Creek on map 1 would be helpful

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

From: Randy Ericksen [mailto:randy\_ericksen@fishgame.state.ak.us]  
Sent: Wednesday, August 16, 2006 2:23 PM  
To: j\_johnson@fishgame.state.ak.us  
Subject: FW: Herman Creek upper

Here is a view of the upper section of Herman Creek (black and white). This is all I have at this point. I can try and draw in where I think Herman Creek is located on the 1st map if that would be helpful.

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

From: Richard Chapell [mailto:richard\_chapell@fishgame.state.ak.us]  
Sent: Wednesday, August 16, 2006 10:42 AM  
To: Randolph P Ericksen (E-mail)  
Subject: Herman Creek upper

Richard Chapell  
ADF&G Sport Fish  
Haines, Alaska  
907-766-2625

MAR 7 2000

Region SOUTHEAST

REGION II  
HABITAT AND RESTORATION  
DIVISION

USGS Quad T285, RSSE, Sec. 30 CRM

Anadromous Water Catalog Number of Waterway 115-32-10250-2077-3061-4002 *Stagnant* **B-3**

Name of Waterway Herman Creek Spawning Channel  USGS Name *Art# 5905*  Local Name

Addition  Deletion  Correction  Backup Information

99 329

For Office Use

Nomination #	<del>99 328</del>	<i>[Signature]</i>	<u>2-22-00</u>
Revision Year:	<u>2001</u>	Regional Supervisor	Date
Revision to:	Atlas _____ Catalog _____	<i>[Signature]</i>	<u>12/28/01</u>
	Both <u>X</u>	AWC Project Biologist	Date
Revision Code:	<u>A-2</u>	<i>[Signature]</i>	<u>1/25/02</u>
		Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
<i>Chum</i>	<i>8-23 to 11-07 1989-99</i>	<i>1-8,000</i>	<i>n/a</i>	<i>1-8,000</i>	<input checked="" type="checkbox"/>
<i>Coho</i>	<i>10-30 to 11-15 1993-99</i>	<i>100-300</i>		<i>100-300</i>	<input checked="" type="checkbox"/>
<i>Coho juveniles</i>	<i>3-25 to 5-30 1997-98</i>	<i>-</i>	<i>80-3,000</i>		<input checked="" type="checkbox"/>
<i>Dolly Varden</i>	<i>3-11 to 5-30 1997-98</i>	<i>-</i>	<i>750-2,000</i>		<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 Herman Creek spawning channel is a lateral extension of Herman Creek (ADFG Stream # 115-32-10250-3061) constructed in 1989. The channel is 1400 feet long and 20 feet wide with an average groundwater fed discharge of 15 cfs. The entire channel is utilized by spawning chum salmon and to a small degree coho spawners. Fry emigration studies indicate this channel supports significant numbers of coho and dolly varden rearing juveniles (see attachments)*

Name of Observer (please print)

Ben Kirkpatrick - Habitat Biologist Lee Close

Date: 12/2/99

Signature:

*[Signature]* - *Haines Biologist (NSRA)*

Address:

ADF&G Habitat and Restoration Division

Box 240020 Douglas 99824

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:

*[Signature]* 2/16/00

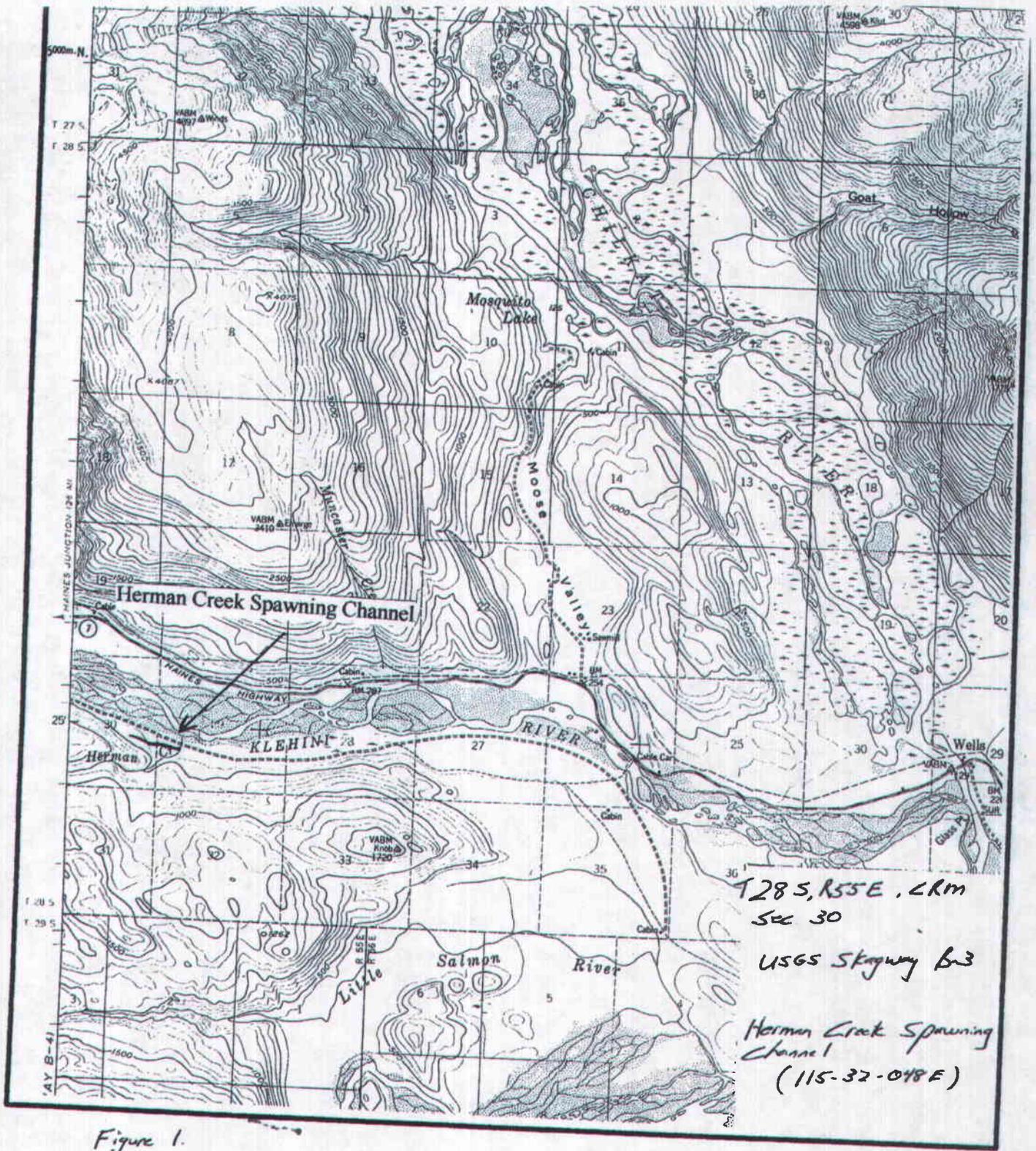
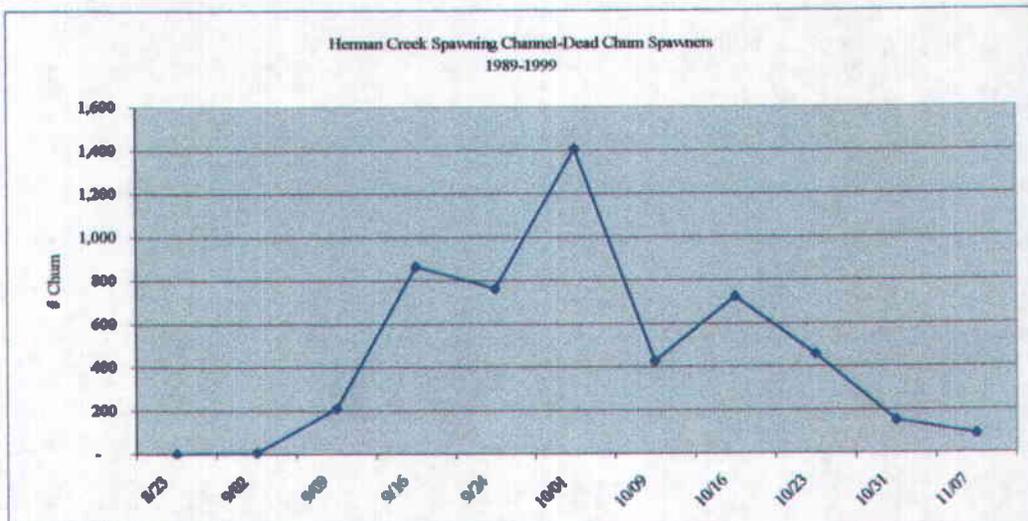
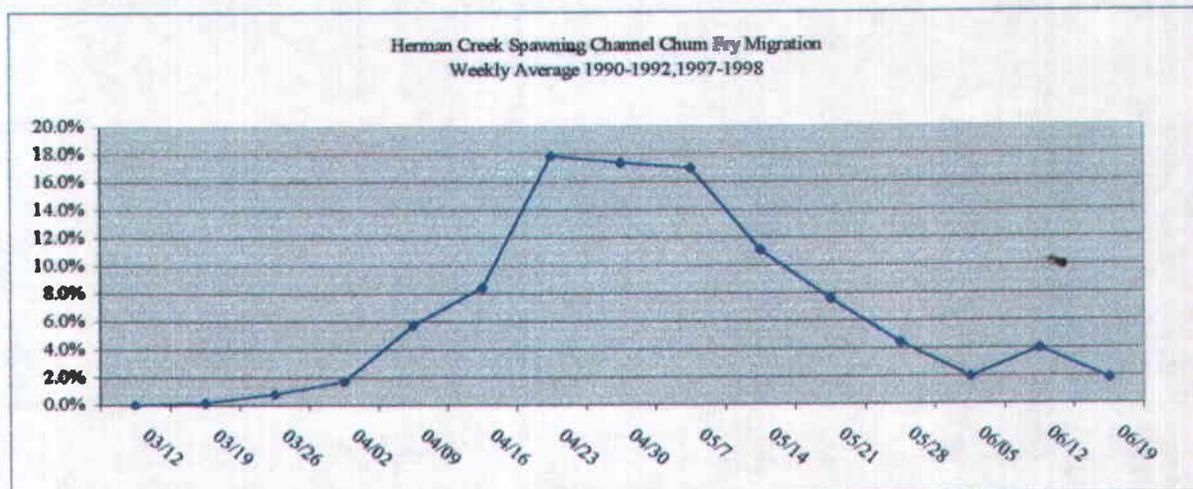
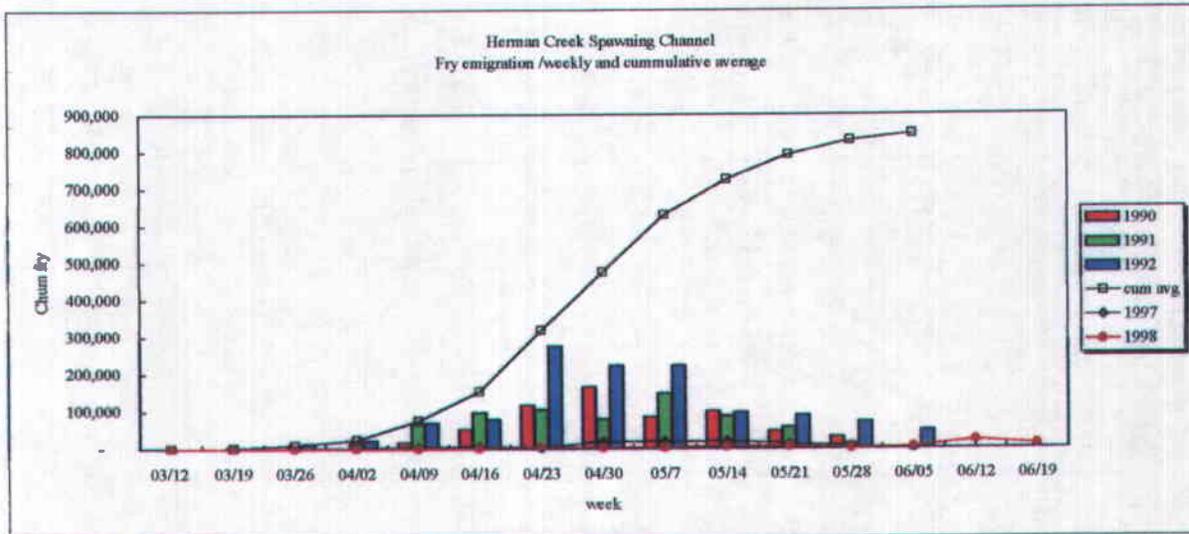


Figure 1.

Herman Creek Spawning Channel-Dead Spawner Enumeration

Period	1989	1990	1991	1992	1994	1995	1996	1997	1998	1999	AVG 89-99
8/23	0	1	0	0	2	0	0	0	0	0	0
9/02	0	8	0	0	36	0	0	0	0	0	4
9/09	0	89	84	234	171	221	1156	0	150	3	211
9/16	112	937	554	575	907	1871	1983	892	830	0	866
9/24	139	360	1776	617	1322	740	0	878	787	987	761
10/01	114	1002	778	1882	1681	2567	2227	1235	721	1850	1,406
10/09	0	69	562	844	923	171	458	569	679	0	428
10/16	0	462	337	729	828	1807	1090	85	0	1888	723
10/23	0	0	166	0	1199	265	562	0	831	1552	458
10/31	0	0	196	0	247	50	0	262	0	738	149
11/07	0	0	0	0	228	200	82	84	285	0	88
<b>Total Pitched</b>	<b>365</b>	<b>2928</b>	<b>4453</b>	<b>4881</b>	<b>7544</b>	<b>7892</b>	<b>7558</b>	<b>4005</b>	<b>4283</b>	<b>7018</b>	<b>5,093</b>
<b>Holdovers</b>	<b>181</b>	<b>63</b>	<b>50</b>	<b>466</b>	<b>14</b>	<b>19</b>	<b>164</b>	<b>0</b>	<b>57</b>	<b>0</b>	
<b>Broodstock</b>					<b>756</b>	<b>12</b>	<b>170</b>	<b>347</b>	<b>1156</b>	<b>1115</b>	
<b>Total Escapement</b>	<b>546</b>	<b>2861</b>	<b>4503</b>	<b>5347</b>	<b>8314</b>	<b>7923</b>	<b>7892</b>	<b>4352</b>	<b>5446</b>	<b>8133</b>	<b>5083</b>





Herman Creek Fry Emigration 1997

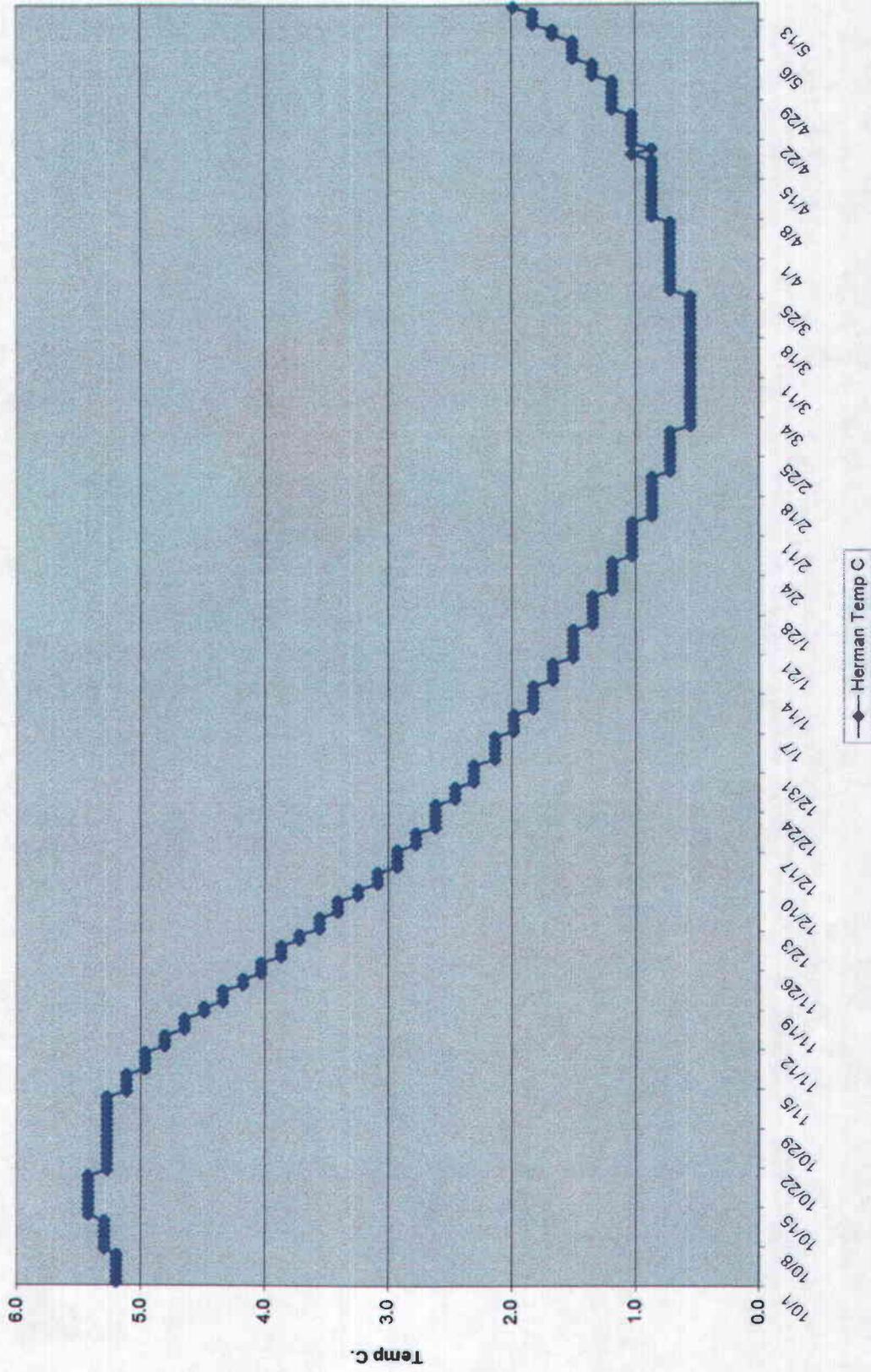
Date	Time Hrs.	Count	Morts	Live Cum. Count	Coho	DV	Temp C.
March 08		FISHING					
March 9	910	0					2.2
March 10							
March 11	930	22	1	22		1	2.2
March 12				22			
March 13	1000	45	2	67		2	2.2
March 14				67			
March 15	1035	23	0	90		2	2.5
March 16				90			
March 17				90			
March 18	1330	17	0	107		2	2.5
March 19	1400	19	0	126	1		2.5
March 20	1400	15	1	141			2.5
March 21				141			
March 22	1100	103	1	244			2.8
March 23	1245	38	0	282		1	2.8
March 24				282			
March 25	1000	252	4	534		1	2.2
March 26				534			
March 27	1200	370	2	904		3	2.5
March 28	1300	315	1	1219			2.5
March 29				1219			
March 30	1300	635	4	1854		4	2.8
March 31				1854			
Totals		1854	16	1854	1	16	
		Total cum. Count		1870	1	16	

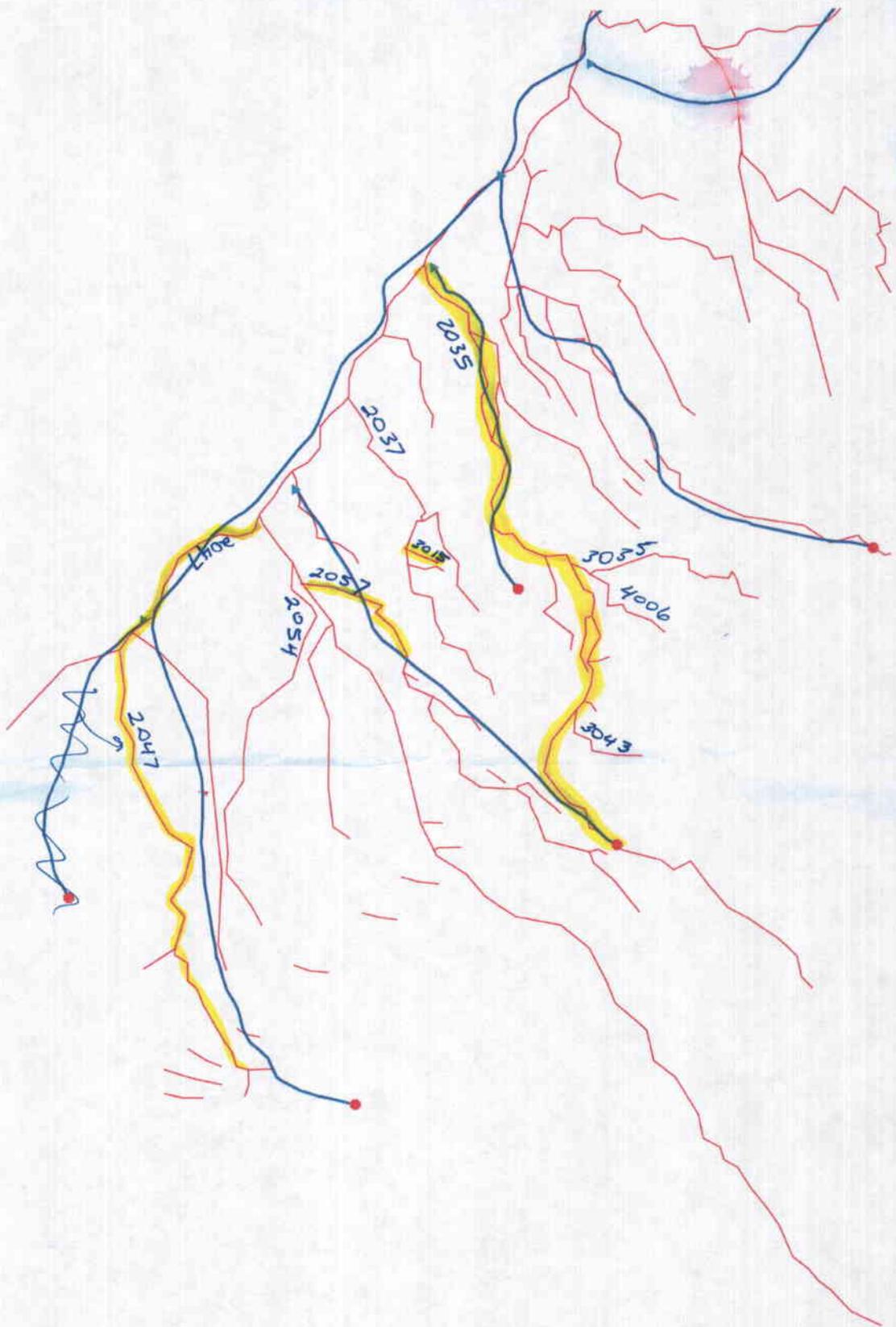
Herman Creek Fry Emigration 1998

Date	Chum			Coho		Sculpin	DV	Temp C.
	Count	Morts	Live Cum.	Juveniles	fry			
10-May	700	3	15345		71		10	3
11-May	643	2	15988		62		16	3
12-May	999	5	16987	1	35		12	3.5
13-May	1028	12	18015		28		11	3.5
14-May	1193	6	19208		51		14	3.3
15-May	1106	6	20314	1	57		19	3.5
16-May	1023	4	21337		52		16	3.5
17-May	1035		22372		69		16	3.5
18-May	794	7	23166		52		30	3.6
19-May	742	11	23908	1	49		40	3
20-May	809		24717		117		27	3.5
21-May	537		25254	1	84		25	3.5
22-May	522	5	25776	2	85		40	3.5
23-May	298	12	26074	6	69		86	3.5
24-May	305	5	26379	1	65		51	4
25-May	401	6	26780		42		45	3.5
26-May	160		26940		26		29	4
27-May	263		27203	2	21		56	4
28-May	242	36	27445		19		65	4
29-May	247	6	27692	2	55		82	4
30-May	320	4	28012	6	14		89	4.5
31-May	300	18	28312	3	15		63	4.5
1-Jun	368	19	28680	2	8		45	4.5
2-Jun	592	15	29272		6		43	4.5
3-Jun	710	15	29982		7		33	4.5
4-Jun	999	11	30981	10	10		23	4.5
5-Jun	1118	20	32099	10	9		26	4.5
6-Jun	1890	20	33989	6	9		20	4.5
7-Jun	2096	20	36085		40		32	4.5
8-Jun	2540	20	38625	8	56		22	5
9-Jun	7091	200	45716	16	78		93	5
10-Jun	4789	200	50505		162		16	5
11-Jun	2420	60	52925	1	68		31	5
12-Jun	1876	20	54801		51		13	5
13-Jun	1589	20	56390		61		19	5
14-Jun	1547	19	57937		51		24	5
15-Jun	1701	84	59638		45		37	5
16-Jun	1559	75	61197		42		19	5
17-Jun	1245	38	62442		36		15	5.5
18-Jun	1220	20	63662		28		8	6
19-Jun	1570	30	65232		20		14	6
20-Jun	END							
TOTALS		1165	65232	81	3044	6	2010	

Mortality % 1.8%

Herman Creek Spawning Channel Temp C-1997-1998





## J Johnson

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**From:** Valerie DeLaune [valerie\_delaune@dnr.state.ak.us]  
**Sent:** Monday, August 14, 2006 2:39 PM  
**To:** J D Johnson  
**Cc:** Kellie M Westphal  
**Subject:** [Fwd: RE: [Fwd: Re: GPS coordinate Herman Creek]]

**Attachments:** valerie\_delaune.vcf



valerie\_delaune.vcf  
(395 B)

Hi JD, I thought I'd already written to you, but I can't find a note to you in my "sent" folder. Is there any way to add a column to the atlas that indicates whether a stream has been field-checked or not? We rely on this information a lot when issuing water rights, and they are mapped onto our databases based on the atlas info.

Valerie DeLaune  
465-3404

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

**Subject:** RE: [Fwd: Re: GPS coordinate Herman Creek]  
**Date:** Thu, 10 Aug 2006 12:00:44 -0800  
**From:** Randy Ericksen <randy\_ericksen@fishgame.state.ak.us>  
**To:** 'Valerie DeLaune' <valerie\_delaune@dnr.state.ak.us>

JD Johnson with ADFG Sport Fish Division in Anchorage maintains the anadromous fish stream catalog. He would be the one to talk to.

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

**From:** Valerie DeLaune [mailto:valerie\_delaune@dnr.state.ak.us]  
**Sent:** Thursday, August 10, 2006 11:48 AM  
**To:** Randolph P Ericksen  
**Subject:** [Fwd: Re: GPS coordinate Herman Creek]

It would be nice to have in the catalog some kind of notation whether it had been field-checked or was just "best guess at one time". Anyone to suggest that to?  
Valerie

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

**Subject:** Re: GPS coordinate Herman Creek  
**Date:** Fri, 14 Jul 2006 10:13:18 -0800  
**From:** Valerie DeLaune <valerie\_delaune@dnr.state.ak.us>  
**To:** Randy Ericksen <randy\_ericksen@fishgame.state.ak.us>  
**CC:** John A Dunker <john\_dunker@dnr.state.ak.us>  
**References:** <0J2E00FYNNRD8U@smtpj.state.ak.us>

good to know -- and helps clear up our agonizing over this stream location!

Randy Ericksen wrote:

>The Anadromous catalog has evolved significantly over time. From my  
>understanding, when it was first established they simply went with the  
local  
>biologists "professional judgement" on where streams were and the  
>extent of fish use. As a result, some of the "fish habitat" went well  
>up the mountainsides. Later, nominations came under greater scrutiny  
>and

biologists

>had to document the extent and species of fish but of course this was before

>the age of GPS so we drew them on the map as best we could (often the >topo map location). I would say most of the streams in the >Haines/Skagway area fall under this latter category. Unfortunately, >updating the catalog takes

a  
>lot of time and resources. As a result, most of the stream locations in >the area (and probably the state) are approximate.

>  
>-----Original Message-----

>From: Valerie DeLaune [mailto:valerie\_delaune@dnr.state.ak.us]

>Sent: Friday, July 14, 2006 8:00 AM

>To: Randy P. Ericksen

>Cc: John A Dunker

>Subject: Re: GPS coordinate Herman Creek

>  
>By the way, part of our confusion is the Anadromous catalog -- it puts >Herman Creek where it is on the topo map, and what looks like the >spawning channel just below it on the list, and on the map next to >Herman Creek (don't know it's the spawning channel for sure - it's >unnamed) 115-32-10250-2077-3061-4002. I'm wondering if they came up >with the numbers for Herman creek and the spawning channel by using the >topo, rather than a field check?

>Valerie

>  
>Randy P. Ericksen wrote:

>  
>  
>  
>>I was just up there this morning. Attached is a text file with the GPS >>coordinates. They are all Datum WGS-84.

>>  
>>Waypoint HCB = Herman Creek bridge - just downstream of spawning >>channel entrance (mouth), error +-11m Waypoint SC1 = Spawning Channel >>mouth, error +-9m Waypoint SC2 = First bend in Spawning Channel, error >>+-9m Waypoint SC3 = Second bend in Spawning Channel, error +-9m >>Waypoint SCI7 = End of Spawning Channel incubation box#7, error +-9m >>Waypoint SCS = Spring (origin of Spawning Channel), error +-10m >>

>>I also have some photos that I could send if that would be helpful.

>>  
>>Randy

>>-----Original Message-----

>>From: Valerie DeLaune [mailto:valerie\_delaune@dnr.state.ak.us]

>>Sent: Thursday, July 13, 2006 8:03 AM

>>To: Randolph P Ericksen

>>Subject: GPS coordinate Herman Creek

>>  
>>  
>>Hi Randy, I will need you to check Herman Creek for sure. Todd's >>coordinates didn't come out correct...

>>Valerie

>>  
>>  
>>-----

>>--

>>  
>>Datum,WGS84,WGS84,0,0,0,0,0  
>>WP,D,HCB, 59.41468, -136.06419,07/13/2006,00:00:01, WP,D,SC1,  
>>59.41463, -136.06473,07/13/2006,00:00:01, WP,D,SC2, 59.41509,  
>>-136.06740,07/13/2006,00:00:01, WP,D,SC3, 59.41521,  
>>-136.06821,07/13/2006,00:00:01, WP,D,SCI7, 59.41520,  
>>-136.07189,07/13/2006,00:00:01, WP,D,SCS, 59.41514,  
>>-136.07191,07/13/2006,00:00:01,  
>>

HermanCr.txt

Datum,WGS84,WGS84,0,0,0,0,0  
WP,D,HCB, 59.41468, -136.06419,07/13/2006,00:00:01,  
WP,D,SC1, 59.41463, -136.06473,07/13/2006,00:00:01,  
WP,D,SC2, 59.41509, -136.06740,07/13/2006,00:00:01,  
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WP,D,SCI7, 59.41520, -136.07189,07/13/2006,00:00:01,  
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59.415

136 03 44.414  
136.0623

59 24 51.66592  
59.4144 24.86100

136 03 57.75422  
136.06604

