State of Alaska
Department of Fish and Game
Division of Sport Fish

Nomination Form
Anadromous Waters Catalog

M

Region: SCN

USGS Quad(s): TYONEK A-4

Anadromous Waters Catalog Number of Waterway: 247-20-10010-2040

Name of Waterway: ☐ USGS Name ☐ Local Name

☑ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

Nomination #	09-~~209~~ 1570	Fisheries Scientist	10/30/09 Date
Revision Year:	2010	Habitat Operations Manager	10/30/09 Date
Revision to:	Atlas ____ Catalog ____ Both X	AWC Project Biologist	2/17/09 Date
Revision Code:	B-2	Cartographer	12/18/09 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Chinook salmon	July, 2008			X	☑
	August, 2008			X	☑
					☐
					☐
					☐

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

Comments: Chinook salmon adult observations recorded in Chuit River Freshwater Fish Studies, 2008 Progress Update and Data Report, April 21 - 23. Prepared by PacRim Coal LP By - LGL Alaska Research Associates, Inc August 6, 2008

Should cite final report. 2/19/09

Add Chinook Salmon present to 247-20-10010-2040
See Appendix J for combo of daily Cath x Spp.

Name of Observer (please print): Matt Nemeth

Signature: _____ Date: 3-5-09

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 Anadromous Waters Catalog.

Signature of Area Biologist: _____ Date: _____ Revision 05/08

Name of Area Biologist (please print):

Table 4a. Fish catch by month in weirs on study streams 2002, 2003 and 2004 through July 23, 2008.

	Weir 2002			Weir 2003			Weir 2004	
Species	May	June	July	May	June	July	June	July
Lamprey (ammocoete)	1	155	42	10	37	14	3	7
Arctic lamprey	6	264	19		201	5	1	2
Chinook salmon - adult			2			1		1
Chinook salmon - juvenile		138	32	1	8	2	22	1
Chum salmon - juvenile							1	
Coastrange sculpin			8	1		2		17
Coho salmon - adult			4					
Coho salmon - juvenile	2	2,664	5,745	10	7,058	8,396	4,530	3,083
Dolly Varden		3	1	61	45	1	37	3
Ninespine stickleback								
Pacific lamprey			6					
Pink salmon - adult			1					
Pink salmon - juvenile								
Rainbow trout		23	14	4	14	12	49	75
Slimy sculpin		3	15	1	5	7	17	7
Sockeye salmon - juvenile								
Threespine stickleback		6						
Unidentified lamprey	17				6			
Unidentified sculpin	1	2	1	3		1		3
Unknown			7		1			
Total	27	3,258	5,897	91	7,375	8,441	4,660	3,199

Table 4b. Fish catch by month in rotary screw traps (RST1 and RST2) through July 23, 2008.

	RST1			RST2		
Species	May	June	July	May	June	July
Ammocete	79	144	149	82	60	45
Arctic lamprey	12	48	101	4	13	23
Chinook salmon - adult						
Chinook salmon - juvenile	160	625	392	195	681	140
Chum salmon - juvenile	1		1	1	2	
Coastrange sculpin	12	7	8	15	11	1
Coho salmon - adult						
Coho salmon - juvenile	161	527	1,024	140	804	537
Dolly Varden	9	2		11	13	2
Ninespine stickleback	3		2	2		
Pacific lamprey						
Pink salmon - adult						
Pink salmon - juvenile	32	60	1	13	18	3
Rainbow trout	2	18	69	2	11	20
Slimy sculpin	12	5	1	6	11	4
Sockeye salmon - juvenile	5	1		4	4	1
Threespine stickleback	1	3	4	1	11	6
Unidentified lamprey						
Unidentified sculpin			2	4	1	
Unknown	2	1		3	1	
Total	491	1,441	1,754	483	1,641	782

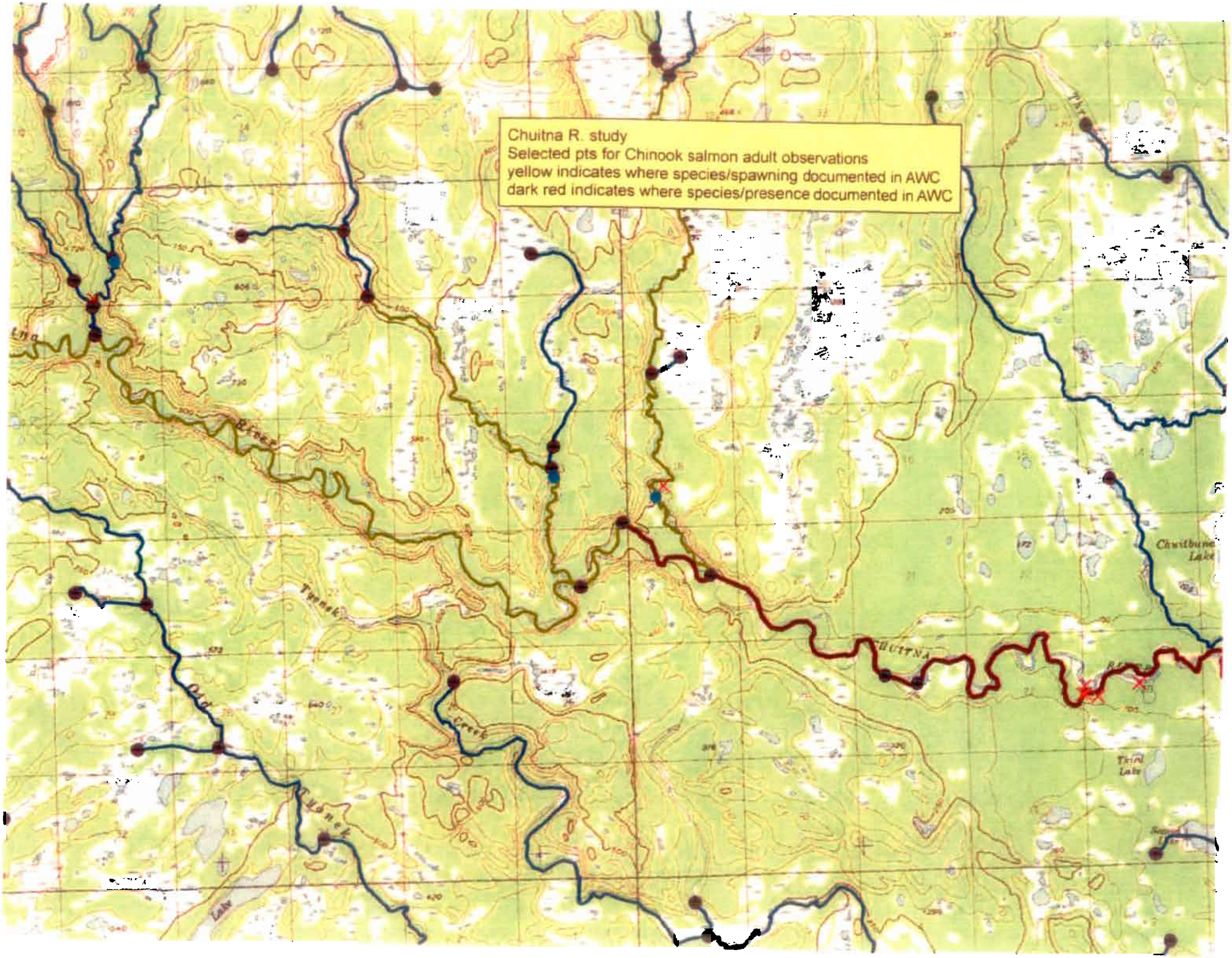

Chuitna R. study
Selected pts for Chinook salmon adult observations
yellow indicates where species/spawning documented in AWC
dark red indicates where species/presence documented in AWC
Chuitna
Chuitbuna Lake
Third Lake
Tyonek
Creek
Lake

Table 2. Locations of sampling sites and camps in the Chuit River freshwater fish study through July 23, 2008. WGS84 datum.

Location	Latitude	Longitude
Stream 2002		
Weir	61.12633	151.30415
Camp	61.12771	151.30199
Stream 2003		
Weir	61.12908	151.32979
Stream 2004		
Weir	61.15707	151.44278
Fyke net	61.15186	151.44899
Camp	61.15251	151.44841
Chuit River		
Rotary screw trap 1 (RST1)	61.10175	151.19365
Rotary screw trap 2 (RST2)	61.10188	151.18002
Fyke net and Gee traps 1, 2, and 3	61.10073	151.19418
Gee trap 4	61.10083	151.19342
Gee traps 5 and 6	61.10040	151.19037

Table 4. Fish catch by location and gear type. Weir = weir, Fyke = fyke net, MT = minnow trap, RST = rotary screw trap. Not all gear types were used at all locations. The fyke net listed under 2004 was on side tributary # 200401. a = adult, j = juvenile.

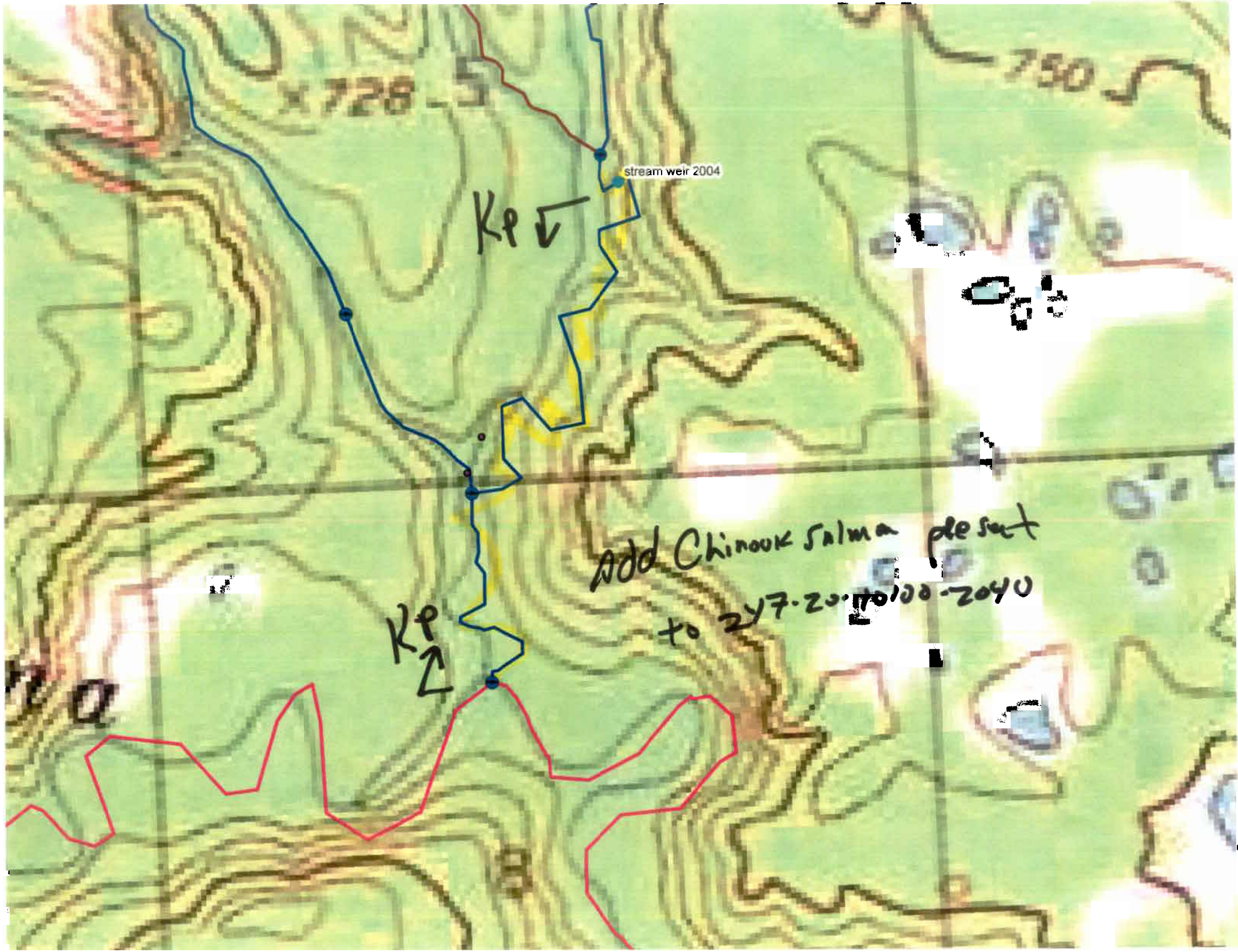
	2002				2003	2004			Chuit River					Grand
Species	Weir	Fyke	MT	Total	Weir	Weir	Fyke	Total	RST1	Fyke	MT	RST2	Total	Total
Arctic lamprey	302	5		307	226	7		7	199	30		43	272	812
Chinook salmon (a)	5			5	7	20		20	1			2	3	35
Chinook salmon (j)	169			169	11	26	4	30	1,688	62	12	1,265	3,027	3,237
Chum salmon (j)				0		1		1	2			3	5	6
Coastrange sculpin	14	2		16	7	62	49	111	160	98		161	419	553
Coho salmon (a)	4			4	4	1		1	3			1	4	13
Coho salmon (j)	14,879	13	5	14,897	18,698	22,682	2,212	24,894	6,251	135	7	3,137	9,530	68,019
Dolly Varden	62	2		64	124	137	16	153	58	3	5	48	114	455
Lamprey spp. (a)	17			17	6			0					0	23
Lamprey spp. (j)	205	1		206	65	20		20	462	1		210	673	964
Ninespine stickleback	2			2				0	13			4	17	19
Pacific lamprey	6			6				0	2				2	8
Pink salmon (a)	15			15	3			0	10			8	18	36
Pink salmon (j)		1		1				0	93			35	128	129
Rainbow trout	71	6		77	37	210	2,783	2,993	310	13	2	184	509	3,616
Sculpin spp.	6	5		11	11	5	4	9	3	2		5	10	41
Slimy sculpin	20	21		41	16	26	25	51	61	16		49	126	234
Sockeye salmon (a)				0		1		1				1	1	2
Sockeye salmon (j)				0		1		1	6			9	15	16
Threespine stickleback	7	1		8				0	30	13		27	70	78
Unidentified	7			7	1			0	3			1	4	12
Total	15,791	57	5	15,853	19,216	23,199	5,093	28,292	9,355	373	26	5,193	14,947	78,308

Table 2. Locations and operating dates of sampling sites and camps in the Chuit River watershed, May through September, 2008. WGS84 datum.

Location	Dates of operation	Latitude	Longitude	Number of days Sampled	Available
Stream 2002					
Weir	May 3 - May 12/ Jun 4 - Sep 19	61.12633	151.30415	111	118
Fyke net	May 13 - Jun 9	61.12575	151.30359		
Minnow trap 18	May 24 - 25	61.12594	151.30348		
Minnow traps 19 and 20	May 23 - 24	61.12592	151.30339		
Minnow trap 21	May 23 - 25	61.12573	151.30350		
Minnow trap 22	May 24 - 25	61.12570	151.30356		
Minnow trap 23	May 24 - 25	61.12518	151.30295		
Minnow trap 24	May 23 - 24	61.12507	151.30273		
Minnow trap 25	May 23 - 24	61.12503	151.30275		
Minnow trap 26	May 23 - 24	61.12535	151.30225		
Minnow trap 27	May 24 - 25	61.12526	151.30235		
Minnow trap 28	May 23 - 24	61.12538	151.30251		
Camp		61.12771	151.30199		
Stream 2003					
Weir	May 4 - Sep 30	61.12908	151.32979	147	150
Stream 2004					
Weir	Jun 8 - Sep 30	61.15707	151.44278	96	115
Camp		61.15251	151.44841		
Stream 200401 (fyke net)	Jun 29 - Sep 3	61.15186	151.44899	65	65
Chuit River					
Rotary screw trap (RST1)	May 12 - Sep 13	61.10175	151.19365	123	125
Rotary screw trap (RST2)	May 14 - Sep 3	61.10188	151.18002	111	113
Fyke net	May 26 - Jun 6 / Jul 2 - 17	61.10073	151.19418		
Minnow traps 1, 2 and 3	May 25 - 29	61.10073	151.19418		
Minnow trap 4	May 25 - 29	61.10083	151.19342		
Minnow traps 5 and 6	May 25 - 29	61.10040	151.19037		

Table 3. Fish caught moving downstream and percent of catch by species and location in the Chuit River drainage, May through September, 2008. Data include all gear types except video. (a) = adult, (j) = juvenile.

		Stream 2002		Stream 2003		Stream 2004		Stream 200401		Chuit River	
Species	Scientific name	Number	%	Number	%	Number	%	Number	%	Number	%
Arctic lamprey	*Lampetra camtschatica*	307	2	226	1	7	0			272	2
Chinook salmon (a)	*Oncorhynchus tshawytscha*	5	0	7	0	20	0			3	0
Chinook salmon (j)	*Oncorhynchus tshawytscha*	169	1	11	0	26	0	4	0	3,027	20
Chum salmon (a)	*Oncorhynchus keta*		0			1	0			5	0
Coastrange sculpin	*Cottus aleuticus*	16	0	7	0	62	0	49	1	419	3
Coho salmon (a)	*Oncorhynchus kisutch*	4	0	4	0	1	0			4	0
Coho salmon (j)	*Oncorhynchus kisutch*	14,897	94	18,698	97	22,682	98	2,212	43	9,530	64
Dolly Varden	*Salvelinus malma*	64	0	124	1	137	1	16	0	114	1
Lamprey spp. (a)	*Petromyzontidae* spp.	17	0	6	0						0
Lamprey spp. (j)	*Petromyzontidae* spp.	206	1	65	0	20	0			673	5
Ninespine stickleback	*Pungitius pungitius*	2	0							17	0
Pacific lamprey	*Lampetra tridentata*	6	0							2	0
Pink salmon (a)	*Oncorhynchus gorbuscha*	15	0	3	0		0			18	0
Pink salmon (j)	*Oncorhynchus gorbuscha*	1	0							128	1
Rainbow trout	*Oncorhynchus mykiss*	77	0	37	0	210	1	2,783	55	509	3
Sculpin spp.	*Cottidae* spp.	11	0	11	0	5	0	4	0	10	0
Slimy sculpin	*Cottus cognatus*	41	0	16	0	26	0	25	0	126	1
Sockeye salmon (a)	*Oncorhynchus nerka*		0			1	0			1	0
Sockeye salmon (j)	*Oncorhynchus nerka*		0			1	0			15	0
Threespine stickleback	*Gasterosteus aculeatus*	8	0							70	0
Unidentified		7	0	1	0					4	0
Total		15,853	100	19,216	100	23,199	100	5,093	100	14,947	100


x728.5
750
stream weir 2004
Kp
Kp
Add Chinook salmon present
to 297-20-10100-2040