SPA.R1

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

Nomination Form
Anadromous Waters Catalog

Talkeetna A-6

Region: South Central

USGS Quad(s): McGrath A-1

AWC Number of Water Body: 247-41- 10200- 2053- 3205- 4112- 5070

Name of Water body: Pass Creek

☒ USGS Name ☐ Local Name

☒ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

Nomination #	150490	James J Hasbrouck, Fisheries Scientist	10/26/2015 Date
Revision Year:	2016	Habitat Operations Manager	10/26/15 Date
Revision to: Atlas ____ Catalog ____ Both X		AWC Project Biologist	10CT15 Date
Revision Code:	A-2	GIS Analyst	11 SEP 15 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Chinook	7/24/2010	20			☒
Chinook	8/16/11		37		☒
Sockeye	8/16/11		42		☒
					☐
Add new stream w/ Chinook salmon spawning/rearing and sockeye salmon spawning/rearing					☐

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

Helicopter spawning surveys

Associated with map #25

Name of Observer (please print): Ed Fleming

Signature: Ed Fleming

Date: 6/29/15

Agency: Ottertail Environmental, Inc.

Address: 10200 W 44th Ave, Ste 210
Wheat Ridge, CO 80033

ALASKA DEPT. OF FISH & GAME
SEP 29 2015

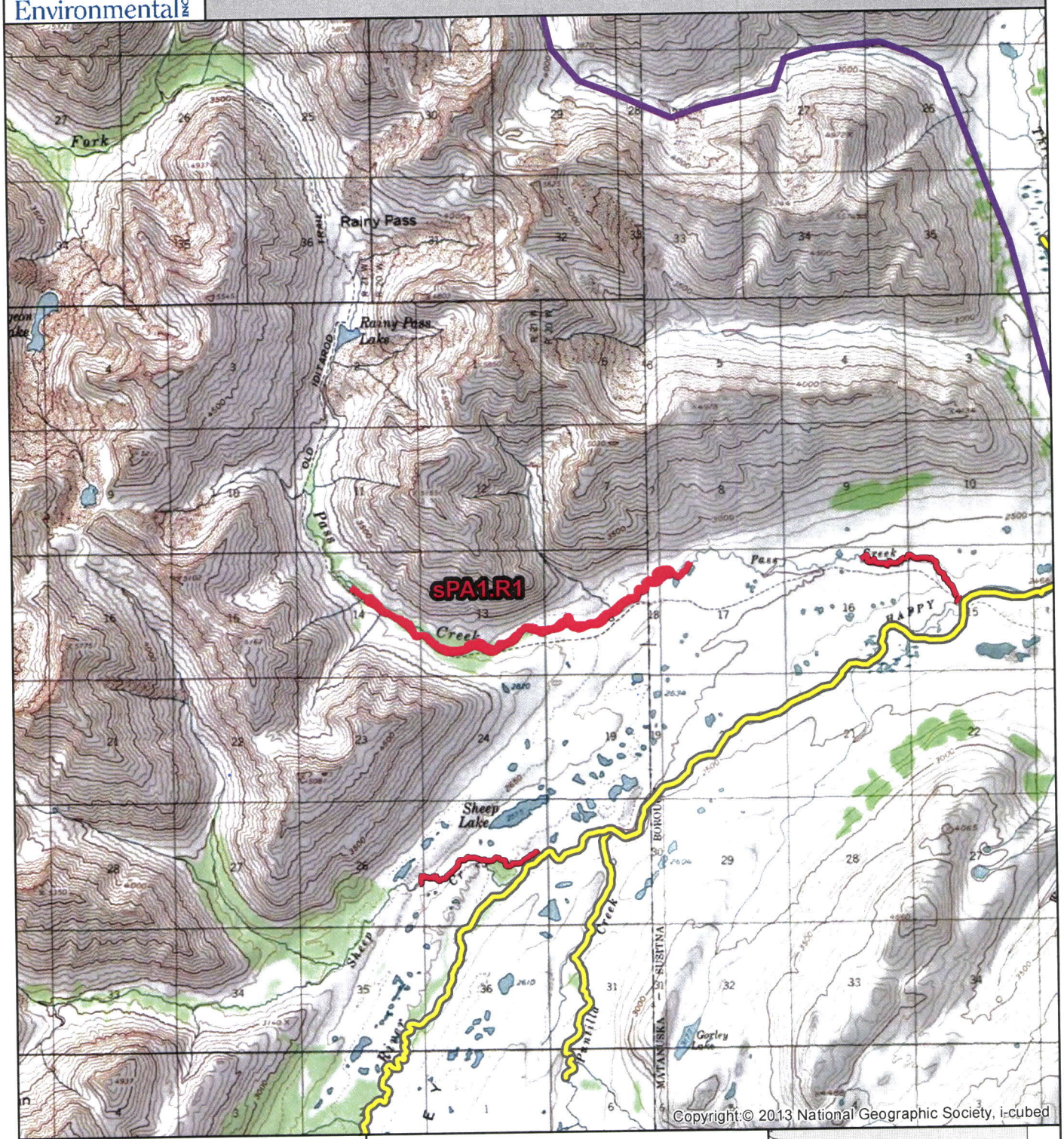
This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Anadromous Waters Catalog.

Signature of Area Biologist: Date: _____ Revision 11/13

Name of Area Biologist (please print):

OtterTail Environmental LLC

Map 25



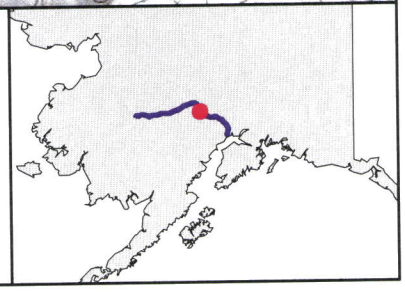
Region: South Central

USGS Quad: McGrath A-1

0 0.5 1 2
Miles

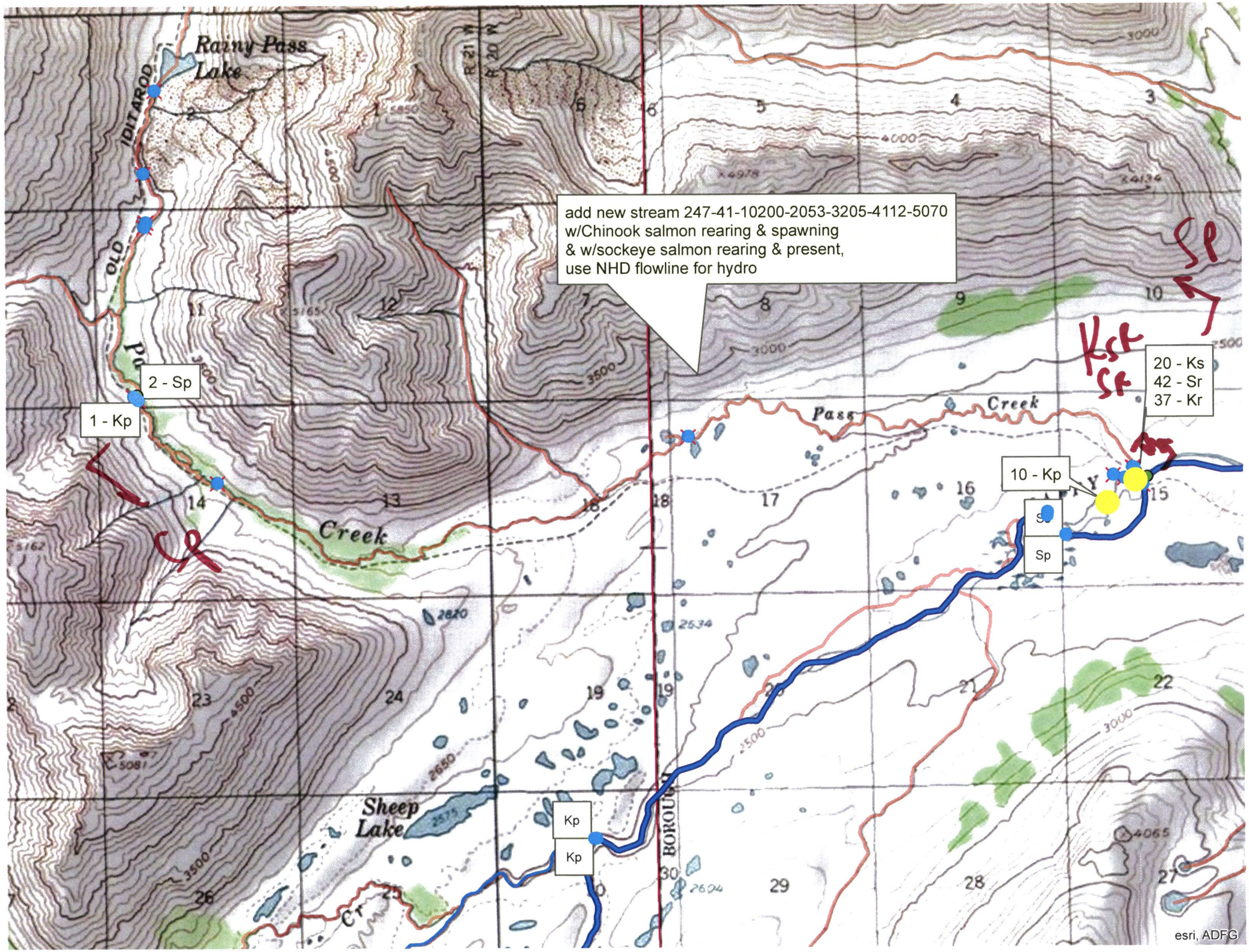
1 inch = 5,904 feet

- AWC Crossing
- New crossing with salmon present
- Currently in Anadromous Catalog
- Determined by OtterTail to be anadromous
- Proposed pipeline route
- 5 Data sheet #



kWI1	62.41861	-154.16429	NAD83	GPS	Windy Fork Kuskokwim River	7/17/2010	Ed Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult			Unknown			28	ID'ed and released			Windy Fork Kuskokwim River Mainstem			
kWI1	62.41861	-154.16429	NAD83	GPS	Windy Fork Kuskokwim River	7/17/2010	Ed Fleming	Backpack Electrofisher	slimy sculpin	juvenile/adult			Unknown			23	ID'ed and released			Windy Fork Kuskokwim River Mainstem			
kWI1	62.41861	-154.16429	NAD83	GPS	Windy Fork Kuskokwim River	7/17/2010	Ed Fleming	Backpack Electrofisher	slimy sculpin	juvenile/adult			Unknown			4	ID'ed and released			Windy Fork Kuskokwim River Mainstem			
kWI1	62.41861	-154.16429	NAD83	GPS	Windy Fork Kuskokwim River	7/17/2010	Ed Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult			Unknown			2	ID'ed and released			Windy Fork Kuskokwim River Mainstem			
kWI1	62.41861	-154.16429	NAD83	GPS	Windy Fork Kuskokwim River	7/17/2010	Ed Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult			Unknown			70	ID'ed and released			Windy Fork Kuskokwim River Mainstem			
kWI1_OH1	62.39368	-154.12820	NAD83	GPS	Windy Fork Kuskokwim River	7/17/2010	Ed Fleming	Backpack Electrofisher	slimy sculpin	juvenile/adult			Unknown			16	ID'ed and released			Windy Fork Kuskokwim River Mainstem			
kWI1_OH1	62.39368	-154.12820	NAD83	GPS	Windy Fork Kuskokwim River	7/17/2010	Ed Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult			Unknown			1	ID'ed and released			Windy Fork Kuskokwim River Mainstem			
kWI1_OH1	62.39368	-154.12820	NAD83	GPS	Windy Fork Kuskokwim River	7/17/2010	Ed Fleming	Backpack Electrofisher	longnose sucker	juvenile/adult			Unknown			53	ID'ed and released			Windy Fork Kuskokwim River Mainstem			
kWI1_OH2	62.42425	-154.18487	NAD83	GPS	Windy Fork Kuskokwim River	8/3/2010	Ed Fleming	Backpack Electrofisher	slimy sculpin	juvenile			Unknown			23	ID'ed and released			Windy Fork Kuskokwim River Mainstem			
kWI1_OH2	62.42425	-154.18487	NAD83	GPS	Windy Fork Kuskokwim River	8/3/2010	Ed Fleming	Backpack Electrofisher	coho salmon	juvenile			Unknown			18	ID'ed and released			Windy Fork Kuskokwim River Mainstem			
kWI1_OH2	62.42425	-154.18487	NAD83	GPS	Windy Fork Kuskokwim River	8/3/2010	Ed Fleming	Seine	coho salmon	juvenile			Unknown			9	ID'ed and released			Windy Fork Kuskokwim River Mainstem			
kWI1_OH2	62.42425	-154.18487	NAD83	GPS	Windy Fork Kuskokwim River	8/3/2010	Ed Fleming	Seine	slimy sculpin	juvenile/adult			Unknown			5	ID'ed and released			Windy Fork Kuskokwim River Mainstem			
kWI1_OH2	62.42425	-154.18487	NAD83	GPS	Windy Fork Kuskokwim River	8/3/2010	Ed Fleming	Seine	Dolly Varden	juvenile/adult			Unknown			4	ID'ed and released			Windy Fork Kuskokwim River Mainstem			
kWI1_OH2	62.42425	-154.18487	NAD83	GPS	Windy Fork Kuskokwim River	8/3/2010	Ed Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult			Unknown			3	ID'ed and released			Windy Fork Kuskokwim River Mainstem			
kWI1_OH2	62.42425	-154.18487	NAD83	GPS	Windy Fork Kuskokwim River	8/3/2010	Ed Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult			Unknown			5	ID'ed and released			Windy Fork Kuskokwim River Mainstem			
kWI1_OH3	62.41617	-154.13850	NAD83	GPS	Windy Fork Kuskokwim River	7/17/2010	Ed Fleming	Backpack Electrofisher	slimy sculpin	juvenile/adult			Unknown			5	ID'ed and released			Windy Fork Kuskokwim River Mainstem			
kWI1_OH3	62.41617	-154.13850	NAD83	GPS	Windy Fork Kuskokwim River	7/17/2010	Ed Fleming	Dip Net	coho salmon	juvenile			Unknown			2	ID'ed and released			Windy Fork Kuskokwim River Mainstem			
kWI1_OH3	62.41617	-154.13850	NAD83	GPS	Windy Fork Kuskokwim River	7/17/2010	Ed Fleming	Dip Net	Dolly Varden	juvenile/adult			Unknown			2	ID'ed and released			Windy Fork Kuskokwim River Mainstem			
kWI1_OH3	62.41617	-154.13850	NAD83	GPS	Windy Fork Kuskokwim River	7/17/2010	Ed Fleming	Dip Net	Dolly Varden	juvenile/adult			Unknown			6	ID'ed and released			Windy Fork Kuskokwim River Trib			
kWI1	62.42063	-154.18254	NAD83	GPS	No name	8/3/2010	Ed Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult			Unknown			4	ID'ed and released			Windy Fork Kuskokwim River Trib			
kWI1	62.42063	-154.18254	NAD83	GPS	No name	8/3/2010	Ed Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult			Unknown			18	ID'ed and released			Wolverine Creek Mainstem			
kWO2	62.17032	-153.37457	NAD83	GPS	Wolverine Creek	7/22/2010	Ed Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult			Unknown			95	ID'ed and released			Eightmile Creek Trib (247-41-10200-2053-3205-4009 AWC code)			
sEIT2	61.80292	-151.25700	NAD83	GPS	No name	7/30/2010	Ed Fleming	Backpack Electrofisher	coho salmon	juvenile			Unknown			15	ID'ed and released			Eightmile Creek Trib			
sEIT2	61.80292	-151.25700	NAD83	GPS	No name	7/30/2010	Ed Fleming	Backpack Electrofisher	rainbow trout	juvenile/adult			Unknown			1	Unitended mortality			Eightmile Creek Trib			
sEIT2	61.80292	-151.25700	NAD83	GPS	No name	7/30/2010	Ed Fleming	Backpack Electrofisher	coho salmon	juvenile			Unknown				ID'ed and released			Eightmile Creek Trib			
sEIT2_OH1	61.80754	-151.25524	NAD83	GPS	No name	7/30/2010	Ed Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult			Unknown			80	ID'ed and released			Eightmile Creek Trib			
sEIT2_OH1	61.80754	-151.25524	NAD83	GPS	No name	7/30/2010	Ed Fleming	Backpack Electrofisher	coho salmon	juvenile			Unknown			23	ID'ed and released			Eightmile Creek Trib			
sEIT2_OH1	61.80754	-151.25524	NAD83	GPS	No name	7/30/2010	Ed Fleming	Backpack Electrofisher	coho salmon	juvenile			Unknown			2	Unitended mortality			Eightmile Creek Trib			
sEIT2_OH1	61.80754	-151.25524	NAD83	GPS	No name	7/30/2010	Ed Fleming	Backpack Electrofisher	coho salmon	juvenile			Unknown				ID'ed and released			Eightmile Creek Trib			
sEIT3	61.80486	-151.25747	NAD83	GPS	No name	7/30/2010	Ed Fleming	Backpack Electrofisher	coho salmon	juvenile			Unknown							Happy River Trib			
sHAT1	62.02105	-152.48694	NAD83	GPS	No name	8/18/2010	Ed Fleming	Backpack Electrofisher	no fish collected or observed	not applicable			Unknown							Happy River Trib			
sHAT10	62.02544	-152.56433	NAD83	GPS	No name	8/18/2010	Ed Fleming	Backpack Electrofisher	no fish collected or observed	not applicable			Unknown							Happy River Trib			
sHAT2	62.02649	-152.57044	NAD83	GPS	No name	8/18/2010	Ed Fleming	Backpack Electrofisher	no fish collected or observed	not applicable			Unknown							Happy River Trib			
sHAT2	62.02649	-152.57044	NAD83	GPS	No name	8/18/2010	Ed Fleming	Backpack Electrofisher	no fish collected or observed	not applicable			Unknown							Happy River Trib			
sHAT6	62.15236	-152.79826	NAD83	GPS	No name	8/23/2010	Ed Fleming	Backpack Electrofisher	no fish collected or observed	not applicable			Unknown							Happy River Trib			
sHAT6	62.15236	-152.79826	NAD83	GPS	No name	8/23/2010	Ed Fleming	Backpack Electrofisher	no fish collected or observed	not applicable			Unknown							Happy River Trib			
sHAT7	62.17063	-152.92500	NAD83	GPS	No name	7/19/2010	Ed Fleming	Backpack Electrofisher	sockeye salmon	juvenile			Unknown			79	ID'ed and released			Happy River Trib			
sHAT7	62.17063	-152.92500	NAD83	GPS	No name	7/19/2010	Ed Fleming	Backpack Electrofisher	chinook salmon	juvenile			Unknown			5	Unitended mortality			Happy River Trib			
sHAT7	62.17063	-152.92500	NAD83	GPS	No name	7/19/2010	Ed Fleming	Backpack Electrofisher	chinook salmon	juvenile			Unknown			4	ID'ed and released			Happy River Trib			
sHAT7	62.17063	-152.92500	NAD83	GPS	No name	7/19/2010	Ed Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult			Unknown			3	ID'ed and released			Happy River Trib			
sHAT7	62.17063	-152.92500	NAD83	GPS	No name	7/19/2010	Ed Fleming	Backpack Electrofisher	slimy sculpin	juvenile/adult			Unknown			19				Pass Creek Mainstem Reach End 62.16839 -153.02348			
sPA R1	62.17100	-152.92474	NAD83	GPS	Pass Creek	7/24/2010	Ed Fleming	Visual Observation, Air	chinook salmon	Adult			Unknown				ID'ed and released			Pass Creek Mainstem			
sPA1	62.17076	-153.06881	NAD83	GPS	Pass Creek	7/19/2010	Ed Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult			Unknown				ID'ed and released			Pass Creek Mainstem			
sPA10	62.17574	-152.95632	NAD83	GPS	Pass Creek	7/23/2010	Ed Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult			Unknown			6	ID'ed and released			Pass Creek Mainstem			
sPA10	62.17574	-152.95632	NAD83	GPS	Pass Creek	7/23/2010	Ed Fleming	Backpack Electrofisher	slimy sculpin	juvenile/adult			Unknown				ID'ed and released			Pass Creek Mainstem			
sPA11	62.17554	-152.94908	NAD83	GPS	Pass Creek	7/23/2010	Ed Fleming	Backpack Electrofisher	slimy sculpin	juvenile/adult			Unknown			1	ID'ed and released			Pass Creek Mainstem			
sPA11	62.17554	-152.94908	NAD83	GPS	Pass Creek	7/23/2010	Ed Fleming	Backpack Electrofisher	chinook salmon	juvenile			Unknown							Pass Creek Mainstem			
sPA11	62.17554	-152.94908	NAD83	GPS	Pass Creek	7/23/2010	Ed Fleming	Backpack Electrofisher	no fish collected or observed	not applicable			Unknown				ID'ed and released			Pass Creek Mainstem			
sPA22	62.17560	-152.93768	NAD83	GPS	Pass Creek	7/20/2010	Ed Fleming	Visual Observation, Ground	chinook salmon	Adult			Unknown				Unitended mortality			Pass Creek Mainstem			
sPA22	62.17560	-152.93768	NAD83	GPS	Pass Creek	7/20/2010	Ed Fleming	Backpack Electrofisher	chinook salmon	juvenile			Unknown			11	ID'ed and released			Pass Creek Mainstem			
sPA22	62.17560	-152.93768	NAD83	GPS	Pass Creek	7/20/2010	Ed Fleming	Backpack Electrofisher	chinook salmon	juvenile			Unknown			5	ID'ed and released			Pass Creek Mainstem			
sPA3	62.17422	-152.99646	NAD83	GPS	Pass Creek	7/22/2010	Ed Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult			Unknown			1	ID'ed and released			Pass Creek Mainstem			
sPA3	62.17422	-152.99646	NAD83	GPS	Pass Creek	7/22/2010	Ed Fleming	Backpack Electrofisher	slimy sculpin	juvenile/adult			Unknown							Pass Creek Mainstem			
sPA3	62.17422	-152.99646	NAD83	GPS	Pass Creek	7/22/2010	Ed Fleming	Angling	no fish collected or observed	not applicable			Unknown			6	ID'ed and released			Pass Creek Mainstem			
sPA33	62.20008	-153.08032	NAD83	GPS	Pass Creek	7/23/2010	Ed Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult			Unknown			1	ID'ed and released			Pass Creek Mainstem			
sPA33	62.20008	-153.08032	NAD83	GPS	Pass Creek	7/23/2010	Ed Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult			Unknown							Sheep Creek Mainstem Reach End 62.12508 -153.10568			
sSH R1	62.14154	-153.02957	NAD83	GPS	Sheep Creek	8/4/2010	Ed Fleming	Visual Observation, Air	no fish collected or observed	not applicable			Unknown			50	ID'ed and released			Sheep Creek Mainstem			
sSH2	62.13871	-153.05964	NAD83	GPS	Sheep Creek	7/13/2010	Ed Fleming	Backpack Electrofisher	chinook salmon	juvenile			Unknown			17	ID'ed and released			Sheep Creek Mainstem			
sSH2	62.13871	-153.05964	NAD83	GPS	Sheep Creek	7/13/2010	Ed Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult			Unknown			3	ID'ed and released			Sheep Creek Mainstem			
sSH2	62.13871	-153.05964	NAD83	GPS	Sheep Creek	7/13/2010	Ed Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult			Unknown			1	Unitended mortality			Sheep Creek Mainstem			
sSH2	62.13871	-153.05964	NAD83	GPS	Sheep Creek	7/13/2010	Ed Fleming	Backpack Electrofisher	chinook salmon	juvenile			Unknown			7	ID'ed and released			Sheep Creek Mainstem			
sSH3	62.12768	-153.08738	NAD83	GPS	Sheep Creek	7/20/2010	Ed Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult			Unknown							Sheep Creek Mainstem			
sSH3	62.12768	-153.08738	NAD83	GPS	Sheep Creek	7/20/2010	Ed Fleming	Backpack Electrofisher	no fish collected or observed	not applicable			Unknown				ID'ed and released			Sheep Creek Mainstem			
sSH4	62.12501	-153.10544	NAD83	GPS	Sheep Creek	7/18/2010	Ed Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult			Unknown			1	ID'ed and released			Sheep Creek Mainstem			
sSH4	62.12501	-153.10544	NAD83	GPS	Sheep Creek	7/18/2010	Ed Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult			Unknown			1	ID'ed and released			Sheep Creek Mainstem			
sSHT3	62.12030	-153.15589	NAD83	GPS	No name	7/22/2010	Ed Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult			Unknown			125				Sheep Creek Trib			
sSK R1	61.97397	-151.93555	NAD83	GPS	Skwentna River	8/21/2010	Ed Fleming	Visual Observation, Air	chum salmon	Adult			Unknown			1				Skwentna River Mainstem Reach End 61.97515 -151.97235			
sSK R1	61.97397	-151.93555	NAD83	GPS	Skwentna River	8/21/2010	Ed Fleming	Visual Observation, Air	sockeye salmon	Adult			Unknown			22	ID'ed and released			Skwentna River Mainstem Reach End 61.97515 -151.97235			
sSKT17	61.97980	-151.89396	NAD83	GPS	No name	8/1/2010	Ed Fleming	Backpack Electrofisher	slimy sculpin	juvenile/adult			Unknown							Skwentna Trib			
sSKT17	61.97980	-151.89396	NAD83	GPS	No name	8/1/2010	Ed Fleming	Backpack Electrofisher	no fish collected or observed	not applicable			Unknown			9	ID'ed and released			Skwentna Trib			
sSKT17_OH	61.97010	-151.89314	NAD83	GPS	No name	8/20/2010	Ed Fleming	Backpack Electrofisher	coho salmon	juvenile			Unknown			8	ID'ed and released			Skwentna Trib			
sSKT17_OH	61.97010	-151.89314	NAD83	GPS	No name	8/20/2010	Ed Fleming	Backpack Electrofisher	slimy sculpin	juvenile/adult			Unknown			1	ID'ed and released			Skwentna Trib			
sSKT17_OH	61.97010	-151.89314	NAD83	GPS	No name	8/20/2010	Ed Fleming	Backpack Electrofisher	threespine stickleback	juvenile/adult			Unknown			7	ID'ed and released			Skwentna Trib			
sSKT19	61.98500	-151.97089	NAD83	GPS	No name	8/2/2010	Ed Fleming	Backpack Electrofisher	rainbow trout	juvenile/adult			Unknown			1	Unitended mortality			Skwentna Trib			
sSKT19	61.98500	-151.97089	NAD83	GPS	No name	8/2/2010	Ed Fleming	Backpack Electrofisher	rainbow trout	juvenile			Unknown				ID'ed and released			Skwentna Trib			
sSKT19_OH	61.97715	-151.96753	NAD83	GPS	No name	8/21/2010	Ed Fleming	Backpack Electrofisher	chinook salmon	juvenile/adult			Unknown			31	ID'ed and released			Skwentna Trib			
sSKT19_OH	61.97715	-151.96753	NAD83	GPS	No name	8/21/2010	Ed Fleming	Backpack Electrofisher	rainbow trout	juvenile			Unknown			15	ID'ed and released			Skwentna Trib			
sSKT19_OH	61.97715	-151.96753	NAD83	GPS	No name	8/21/2010	Ed Fleming	Backpack Electrofisher	coho salmon	juvenile/adult			Unknown			3	ID'ed and released			Skwentna Trib			
sSKT19_OH	61.97715	-151.96753	NAD83	GPS	No name	8/21/2010	Ed Fleming	Backpack Electrofisher	slimy sculpin	juvenile/adult			Unknown			1	Unitended mortality			Skwentna Trib			
sSKT19_OH	61.97715	-151.96753	NAD83	GPS	No name	8/21/2010	Ed Fleming	Backpack Electrofisher	rainbow trout	juvenile/adult			Unknown				ID'ed and released			Skwentna Trib			
sSKT21	61.97306	-151.99468	NAD83	GPS	No name	8/20/2010	Ed Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult			Unknown				ID'ed and released			Skwentna Trib			
sSKT21	61.97306	-151.99468	NAD83	GPS	No name	8/20/2010	Ed Fleming	Backpack Electrofisher	rainbow trout	juvenile/adult			Unknown			15	ID'ed and released			Skwentna Trib			
sSKT21	61.97306	-151.99468	NAD83	GPS	No name	8/20/2010	Ed Fleming	Backpack Electrofisher	slimy sculpin	juvenile/adult			Unknown			2	ID'ed and released			Skwentna Trib			
sSKT21	61.97306	-151.99468	NAD83	GPS	No name	8/20/2010	Ed Fleming	Backpack Electrofisher	coho salmon	juvenile			Unknown			34	ID'ed and released			Skwentna Trib			
sSKT24	61.96375	-152.19944	NAD83	GPS	No name	8/19/2010	Ed Fleming	Backpack Electrofisher	slimy sculpin	juvenile/adult			Unknown							Skwentna Trib			
sSKT25	61.96829	-152.24942	NAD83	GPS	No name	8/19/2010	Ed Fleming	Backpack Electrofisher	no fish collected or observed	not applicable			Unknown							Skwentna Trib			
sSKT26	61.97559	-152.26287	NAD83	GPS	No name	8/19/2010	Ed Fleming	Backpack Electrofisher	no fish collected or observed	not applicable			Unknown							Skwentna Trib			
sSKT26	61.97559	-152.26287	NAD83	GPS	No name	8/19/2010	Ed Fleming	Backpack Electrofisher	no fish collected or observed	not applicable			Unknown			9	ID'ed and released			Skwentna Trib			
sSKT27	61.97448	-152.28915	NAD83	GPS	No name	8/19/2010	Ed Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult			Unknown			1	ID'ed and released			Skwentna Trib			
sSKT27	61.97448	-152.28915	NAD83	GPS	No name	8/19/2010	Ed Fleming	Backpack Electrofisher	chinook salmon	juvenile			Unknown							Skwentna Trib			
sSKT27_OH	61.97988	-152.28651	NAD83	GPS	No name	8/19/2010	Ed Fleming	Backpack Electrofisher	no fish collected or observed	not applicable			Unknown				Unitended mortality			Skwentna Trib			
sSKT28	61.98437	-151.92467	NAD83	GPS	No name	8/1/2010	Ed Fleming	Backpack Electrofisher	Arctic grayling	juvenile/adult			Unknown				ID'ed and released			Skwentna Trib			
sSKT28	61.98437	-151.92467	NAD83	GPS	No name	8/1/2010	Ed Fleming	Backpack Electrofisher	burbot	juvenile/adult			Unknown			34	ID'ed and released		3 Unitended mortal	Skwentna Trib			
sSKT28	61.98437	-151.92467	NAD83	GPS	No name	8/1/2010	Ed Fleming	Backpack Electrofisher	Arctic grayling	juvenile/adult			Unknown							Skwentna Trib			
sSKT29	61.85679	-151.31692	NAD83	GPS	No name	7/30/2010	Ed Fleming	Backpack Electrofisher	no fish collected or observed	not applicable			Unknown				ID'ed and released			Skwentna Trib			
sSKT30	61.94764	-151.68083	NAD83	GPS	247-41-10200-2053-3205-4064-	8/1/2010	Ed Fleming	Backpack Electrofisher	coho salmon	juvenile			Unknown				ID'ed and released			Skwentna Trib			
sSKT30	61.94764	-151.68083	NAD83	GPS	247-41-10200-2053-3205-4064-	8/1/2010	Ed Fleming	Backpack Electrofisher	coho salmon	juvenile			Unknown				ID'ed and released			Skwentna Trib			
sSKT30	61.94764	-151.68083	NAD83	GPS	247-41-10200-2053-3205-4064-	8/1/2010	Ed Fleming	Backpack Electrofisher	rainbow trout	juvenile/adult			Unknown			25	ID'ed and released			Skwentna Trib			
sSKT30	61.94764	-151.68083	NAD83	GPS	247-41-10200-2053-3205-4064-	8/1/2010	Ed Fleming	Backpack Electrofisher	slimy sculpin	juvenile/adult			Unknown			4	ID'ed and released			Skwentna Trib			
sSKT30	61.94764	-151.68083	NAD83	GPS	247-41-10200-2053-3205-4064-	8/1/2010	Ed Fleming	Backpack Electrofisher	slimy sculpin	juvenile/adult			Unknown			67	ID'ed and released			Skwentna Trib			
sSKT36	61.94507	-151.64547	NAD83	GPS	No name	8/1/2010	Ed Fleming	Backpack Electrofisher	coho salmon	juvenile			Unknown			14	ID'ed and released			Skwentna Trib			
sSKT36	61.94507	-151.64547	NAD83	GPS	No name	8/1/2010	Ed Fleming	Backpack Electrofisher	slimy sculpin	juvenile/adult			Unknown							Skwentna Trib			
sSKT36_OH	61.94614	-151.64713	NAD83	GPS	No name	8/1/2010	Ed Fleming	Backpack Electrofisher	no fish collected or observed	not applicable			Unknown							Skwentna Trib			
sSKT36_OH	61.94614	-151.64713	NAD83	GPS	No name	8/1/2010	Ed Fleming	Minnow Trap	no fish collected or observed	not applicable			Unknown			8	ID'ed and released			Skwentna Trib			
sSKT40	61.95560	-151.71359	NAD83	GPS	No name	8/2/2010	Ed Fleming	Backpack Electrofisher	coho salmon	juvenile			Unknown			5	ID'ed and released			Skwentna Trib			
sSKT40	61.95560	-151.71359	NAD83	GPS	No name	8/2/2010	Ed Fleming	Backpack Electrofisher	coho salmon	juvenile			Unknown			19	ID'ed and released			Skwentna Trib			
sSKT41	61.95828	-151.72440	NAD83	GPS	No name	8/2/2010	Ed Fleming	Backpack Electrofisher	slimy sculpin	juvenile/adult			Unknown			9	ID'ed and released			Skwentna Trib			
sSKT41	61.95828	-151.72440	NAD83	GPS	No name	8/2/2010	Ed Fleming	Backpack Electrofisher	coho salmon	juvenile			Unknown			1	Unitended mortality			Skwentna Trib			
sSKT41	61.95828	-151.72440	NAD83	GPS	No name	8/2/2010	Ed Fleming	Backpack Electrofisher	coho salmon	juvenile			Unknown							Skwentna Trib			
sSKT43	61.97806	-151.80232	NAD83	GPS	No name	8/1/2010	Ed Fleming	Backpack Electrofisher	no fish collected or observed	not applicable			Unknown				ID'ed and released			Skwentna Trib			
sSKT45	61.97868	-152.01536	NAD83	GPS	No name	8/2/2010	Ed Fleming	Backpack Electrofisher	coho salmon	juvenile			Unknown				ID'ed and released			Skwentna Trib			
sSKT45	61.97868	-152.01536	NAD83	GPS	No name	8/2/2010	Ed Fleming	Backpack Electrofisher	rainbow trout	juvenile/adult			Unknown			31	ID'ed and released			Skwentna Trib			
sSKT45_OH	61.97363	-151.99052	NAD83	GPS	No name	8/20/2010	Ed Fleming	Backpack Electrofisher	threespine stickleback	juvenile			Unknown			30	ID'ed and released			Skwentna Trib			
sSKT45_OH	61.97363	-151.99052	NAD83	GPS	No name	8/20/2010	Ed Fleming	Backpack Electrofisher	coho salmon	juvenile/adult			Unknown			7	ID'ed and released			Skwentna Trib			
sSKT45_OH	61.97363	-151.99052	NAD83	GPS	No name	8/20/2010	Ed Fleming	Backpack Electrofisher	slimy sculpin	juvenile			Unknown			6	ID'ed and released			Skwentna Trib			
sSKT45_OH	61.97363	-151.99052	NAD83	GPS	No name	8/20/2010	Ed Fleming	Backpack Electrofisher	sockeye salmon	juvenile			Unknown			4	ID'ed and released			Skwentna Trib			
sSKT45_OH	61.97363	-151.99052	NAD83	GPS	No name	8/20/2010	Ed Fleming	Backpack Electrofisher	coho salmon	juvenile			Unknown			3	ID'ed and released			Skwentna Trib			
sSKT45_OH	61.97363	-151.99052	NAD83	GPS	No name	8/20/2010	Ed Fleming	Backpack Electrofisher	chinook salmon	juvenile			Unknown			3	Unitended mortality			Skwentna Trib			
sSKT45_OH	61.97363	-151.99052	NAD83	GPS	No name	8/20/2010	Ed Fleming	Backpack Electrofisher	coho salmon	juvenile			Unknown			1	ID'ed and released			Skwentna Trib			
sSKT45_OH	61.97363	-151.99052	NAD83	GPS	No name	8/20/2010	Ed Fleming	Backpack Electrofisher	rainbow trout	juvenile/adult													

site	lat	long	datum	water_body	date	observer	method	species	life_stage	additional	comments
sEI1-R1	61.81151	-151.25350	NAD 83		9/12/2011	Ed Fleming	Visual Observation, Air	no fish collected or observed			Upstream Reach Boundary 61.812805; -151.269528
sEIT2	61.80279	-151.25722	NAD83		6/21/2011	Ed Fleming	Backpack Electrofisher	rainbow trout	juvenile/adult	23	
sEIT2	61.80279	-151.25722	NAD83		6/21/2011	Ed Fleming	Backpack Electrofisher	coho salmon	juvenile	22	
sEIT2.R1_7.28.12	61.80016	-151.26018	NAD83		7/28/2012	Ed M. Fleming	Visual Observation, Air	no fish collected or observed			Upstream reach boundary 61.80809; -151.25504
sEIT2.R1_9.12.12	61.79928	-151.25984	NAD83		9/12/2012	Ed M. Fleming	Visual Observation, Air	no fish collected or observed			Upstream reach boundary 61.80783; -151.2554
sEIT2-R1	61.80297	-151.25741	NAD 83		6/27/2011	Ed Fleming	Visual Observation, Air	no fish collected or observed			Upstream Reach Boundary 61.809021; -151.250806
sEIT2-R1	61.80644	-151.25528	NAD 83		9/12/2011	Ed Fleming	Visual Observation, Air	no fish collected or observed			Upstream Reach Boundary 61.802781; -151.257168
sEIT3	61.80444	-151.25872	NAD83		6/21/2011	Ed Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult		
sEIT3.R1_7.28.12	61.80402	-151.26440	NAD83		7/28/2012	Ed M. Fleming	Visual Observation, Air	no fish collected or observed			Upstream reach boundary 61.80792; -151.25542
sEIT3.R1_9.12.12	61.80326	-151.26579	NAD83		9/12/2012	Ed M. Fleming	Visual Observation, Air	no fish collected or observed			Upstream reach boundary 61.80608; -151.25555
sEIT3-R1	61.80293	-151.25724	NAD 83		6/27/2011	Ed Fleming	Visual Observation, Air	no fish collected or observed			Upstream Reach Boundary 61.809021; -151.250806
sEIT3-R1	61.80644	-151.25528	NAD 83		9/12/2011	Ed Fleming	Visual Observation, Air	no fish collected or observed			Upstream Reach Boundary 61.802781; -151.257168
sHA1.R1_7.28.12	61.98669	-152.34501	NAD83	Happy River	7/28/2012	Ed M. Fleming	Visual Observation, Air	no fish collected or observed			Upstream reach boundary 61.98086; -152.35443
sHA1.R1_9.13.12	61.98717	-152.34481	NAD83	Happy River	9/13/2012	Ed M. Fleming	Visual Observation, Air	no fish collected or observed			Upstream reach boundary 61.97998; -152.35323
sHA1-R1	61.98377	-152.34534	NAD 83	Happy River	6/28/2011	Ed Fleming	Visual Observation, Air	no fish collected or observed			Upstream Reach Boundary 61.980908; -152.354546
sHA2.R1_7.27.12	62.16786	-152.93934	NAD83	Happy River	7/27/2012	Ed M. Fleming	Visual Observation, Air	no fish collected or observed			Upstream reach boundary 62.17126; -152.90541
sHA2.R1_9.13.12	62.16814	-152.93928	NAD83	Happy River	9/13/2012	Ed M. Fleming	Visual Observation, Air	no fish collected or observed			Upstream reach boundary 62.17144; -152.90805
sHA2-R1	62.17003	-152.92397	NAD 83	Happy River	8/21/2011	Ed Fleming	Visual Observation, Air	sockeye salmon	adult	3	Upstream Reach Boundary 62.170525; -152.879297
sHA3	62.16883	-152.82532	NAD83	Happy River	7/29/2012	Ed M. Fleming	Backpack Electrofisher	Chinook salmon	juvenile	10	
sHA3	62.16883	-152.82532	NAD83	Happy River	7/29/2012	Ed M. Fleming	Backpack Electrofisher	Chinook salmon	juvenile		
sHA3	62.16883	-152.82532	NAD83	Happy River	7/29/2012	Ed M. Fleming	Backpack Electrofisher	Chinook salmon	juvenile	27	
sHA3	62.16883	-152.82532	NAD83	Happy River	7/29/2012	Ed M. Fleming	Backpack Electrofisher	Chinook salmon	juvenile		
sHA3	62.16883	-152.82532	NAD83	Happy River	7/29/2012	Ed M. Fleming	Backpack Electrofisher	Chinook salmon	juvenile	2	
sHA3	62.16883	-152.82532	NAD83	Happy River	7/29/2012	Ed M. Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult	1	
sHA3	62.16883	-152.82532	NAD83	Happy River	7/29/2012	Ed M. Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult		
sHA3	62.16883	-152.82532	NAD83	Happy River	7/29/2012	Ed M. Fleming	Angling	no fish collected or observed			
sHA3	62.16883	-152.82532	NAD83	Happy River	7/29/2012	Ed M. Fleming	Backpack Electrofisher	slimy sculpin	adult	5	
sHA3	62.16883	-152.82532	NAD83	Happy River	7/29/2012	Ed M. Fleming	Backpack Electrofisher	slimy sculpin	juvenile	1	
sHA3	62.16883	-152.82532	NAD83	Happy River	7/29/2012	Ed M. Fleming	Backpack Electrofisher	slimy sculpin	juvenile/adult	2	
sHA3	62.16883	-152.82532	NAD83	Happy River	7/29/2012	Ed M. Fleming	Backpack Electrofisher	slimy sculpin	adult	6	
sHA3.R1	62.16872	-152.80414	NAD83	Happy River	7/22/2013	Ed Fleming	Visual Observation, Air	Chinook salmon	adult	13	End Coordinates: 62.1719531198, -152.911921219
sHA3.R1	62.16796	-152.80514	NAD83	Happy River	9/21/2013	Ed Fleming	Visual Observation, Air	no fish collected or observed			End Coordinates: 62.1722038425, -152.914089625
sHA3.R1_7.27.12	62.16924	-152.81865	NAD83	Happy River	7/27/2012	Ed M. Fleming	Visual Observation, Air	no fish collected or observed			Upstream reach boundary 62.16701; -152.83035
sHA3.R1_9.13.12	62.16817	-152.80843	NAD83	Happy River	9/13/2012	Ed M. Fleming	Visual Observation, Air	no fish collected or observed			Upstream reach boundary 62.16728; -152.83047
SHA3-R1	62.08457	-152.72231	NAD 83	Happy River	8/22/2011	Ed Fleming	Visual Observation, Air	sockeye salmon	adult	199	Upstream Reach Boundary 62.081233; -152.717263
sHAT1	62.01805	-152.49588	NAD83		8/23/2011	Ed Fleming	Backpack Electrofisher	no fish collected or observed			
sHAT10	62.02573	-152.56424	NAD83		8/23/2011	Ed Fleming	Backpack Electrofisher	no fish collected or observed			
sHAT2	62.02600	-152.57531	NAD83		8/23/2011	Ed Fleming	Backpack Electrofisher	no fish collected or observed			
sHAT6	62.15172	-152.79666	NAD83	Happy River Tributary (Unnamed)	6/14/2013	Ed Fleming	Backpack Electrofisher	no fish collected or observed			
sHAT6	62.15300	-152.80068	NAD83		8/18/2011	Ed Fleming	Backpack Electrofisher	no fish collected or observed			
sHAT7	**62.17038**	**-152.92517**	**NAD83**		**8/16/2011**	**Ed Fleming**	**Backpack Electrofisher**	**sockeye salmon**	**juvenile**	**41**	
sHAT7	**62.17038**	**-152.92517**	**NAD83**		**8/16/2011**	**Ed Fleming**	**Backpack Electrofisher**	**Chinook salmon**	**juvenile**	**36**	
sHAT7	62.17038	-152.92517	NAD83		8/16/2011	Ed Fleming	Backpack Electrofisher	slimy sculpin	juvenile/adult	2	
sHAT8	62.17056	-152.92688	NAD83		8/16/2011	Ed Fleming	Backpack Electrofisher	no fish collected or observed			
sHAT8.R1_9.13.12	**62.16872**	**-152.92968**	**NAD83**		**9/13/2012**	**Ed M. Fleming**	**Visual Observation, Air**	**Chinook salmon**	**adult**	**10**	**Upstream reach boundary 62.17046; -152.92508**
sHAT9	62.17079	-152.92868	NAD83		8/16/2011	Ed Fleming	Backpack Electrofisher	no fish collected or observed			
sIN1.R1_7.28.12	62.10082	-152.73678	NAD83	Indian Creek	7/28/2012	Ed M. Fleming	Visual Observation, Air	sockeye salmon	adult	9	Upstream reach boundary 62.10021; -152.7234
sIN1.R1_9.13.12	62.10053	-152.73334	NAD83	Indian Creek	9/13/2012	Ed M. Fleming	Visual Observation, Air	Chinook salmon	adult	12	Upstream reach boundary 62.09938; -152.71437
sIN1-R1	62.10075	-152.72676	NAD 83	Indian Creek	6/28/2011	Ed Fleming	Visual Observation, Air	no fish collected or observed			Upstream Reach Boundary 62.099207; -152.714383
sIN1-R1	62.10073	-152.72654	NAD 83	Indian Creek	7/28/2011	Ed Fleming	Visual Observation, Air	no fish collected or observed			Upstream Reach Boundary 62.099075; -152.714078
sIN1-R2	62.10895	-152.76589	NAD 83	Indian Creek	7/28/2011	Ed Fleming	Visual Observation, Air	Chinook salmon	adult	1	Upstream Reach Boundary 62.10069; -152.725936
sIN99	62.14520	-152.81805	NAD83	Indian Creek	8/22/2011	Ed Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult	5	
SN2.0	62.06194	-158.18391	NAD83	Snow Gulch	7/16/2011	Ed Fleming	backpack electrofisher	Dolly Varden	juvenile/adult	4	
SN2.0	62.06194	-158.18391	NAD83	Snow Gulch	7/17/2011	Ed Fleming	minnow trap	Dolly Varden	juvenile/adult		
SN2.0	62.06194	-158.18391	NAD83	Snow Gulch	7/24/2012	Ed M. Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult	1	
SN2.0	62.06194	-158.18391	NAD83	Snow Gulch	7/24/2012	Ed M. Fleming	Minnow Trap	no fish collected or observed			
SN2.0	62.06194	-158.18391	NAD83	Snow Gulch	7/25/2013	Ed Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult	2	ID'ed and released
SN2.0	62.06194	-158.18391	NAD83	Snow Gulch	7/25/2013	Ed Fleming	Backpack Electrofisher	no fish collected or observed			
SN2.0	62.06194	-158.18391	NAD83	Snow Gulch	7/26/2013	Ed Fleming	Backpack Electrofisher	no fish collected or observed			
SN2.0	62.06194	-158.18391	NAD83	Snow Gulch	7/26/2013	Ed Fleming	Minnow Trap	no fish collected or observed			
SN2.0	62.06194	-158.18391	NAD83	Snow Gulch	7/26/2013	Ed Fleming	Minnow Trap	no fish collected or observed			
SN2.0	62.06194	-158.18391	NAD83	Snow Gulch	7/26/2013	Ed Fleming	Minnow Trap	no fish collected or observed			
SNR1	62.08055	-158.19777	NAD83	Snow Gulch	9/17/2011	Ed Fleming	visual observation, air	no fish collected or observed			Upstream Reach Boundary 62.051429° ;-158.157587°
SNR1	62.08055	-158.19777	NAD83	Snow Gulch	7/22/2012	Ed M. Fleming	Visual Observation, Air	no fish collected or observed			Upstream Reach Boundary 62.05143; -158.15759
SNR1	62.08055	-158.19777	NAD83	Snow Gulch	9/21/2012	Ed M. Fleming	Visual Observation, Air	no fish collected or observed			Upstream Reach Boundary 62.05143; -158.15759
sPA1	62.17139	-153.07082	NAD83	Pass Creek	8/17/2011	Ed Fleming	Backpack Electrofisher	Dolly Varden	juvenile/adult		
sPA1.R1_7.27.12	62.17423	-152.99604	NAD83	Pass Creek	7/27/2012	Ed M. Fleming	Visual Observation, Air	no fish collected or observed			Upstream reach boundary 62.17739; -153.08224
sPA1.R1_9.13.12	62.17130	-152.92533	NAD83	Pass Creek	9/13/2012	Ed M. Fleming	Visual Observation, Air	no fish collected or observed			Upstream reach boundary 62.17326; -152.92799
sPA1.R2_9.13.12	62.17135	-152.92560	NAD83	Pass Creek	9/13/2012	Ed M. Fleming	Visual Observation, Air	no fish collected or observed			Upstream reach boundary 62.17386; -152.92895
sPA2	62.19035	-153.08164	NAD83	Pass Creek	8/17/2011	Ed Fleming	Backpack Electrofisher	no fish collected or observed			
sPA2.R1_7.27.12	**62.17787**	**-153.08373**	**NAD83**	**Pass Creek**	**7/27/2012**	**Ed M. Fleming**	**Visual Observation, Air**	**sockeye salmon**	**adult**	**1**	**Upstream reach boundary 62.20088; -153.07831**
sPA2.R1_9.13.12	**62.17760**	**-153.08305**	**NAD83**	**Pass Creek**	**9/13/2012**	**Ed M. Fleming**	**Visual Observation, Air**	**Chinook salmon**	**adult**		**Upstream reach boundary 62.20213; -153.07802**


Rainy Pass Lake
IDITAROD
OLD
add new stream 247-41-10200-2053-3205-4112-5070
w/Chinook salmon rearing & spawning
& w/sockeye salmon rearing & present,
use NHD flowline for hydro
2 - Sp
1 - Kp
Creek
Pass
Creek
20 - Ks
42 - Sr
37 - Kr
10 - Kp
Sp
Sheep Lake
Kp
Kp
BOROUGH
esri, ADFG