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

Nomination Form
Anadromous Waters Catalog

Region: Southcentral

USGS Quad(s): Anchorage C6

Anadromous Waters Catalog Number of Waterway: 247-50-10220-2037

Name of Waterway: Unnamed ☐ USGS Name ☐ Local Name

☒ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

Nomination #		
	Fisheries Scientist	Date
Revision Year:		
Revision to: Atlas ____ Catalog ____ Both ____	Habitat Operations Manager	Date
	AWC Project Biologist	Date
Revision Code:		
	Cartographer	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Sockeye salmon	08/01/12	~50	12		☒
Coho salmon	08/01/12		8		☒
Chum salmon	08/01/12	~60			☒
					☐
					☐

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:

Sampling methods: 10- 1/8" mesh minnow traps soaked for 1.5 hours.
Upper Extent (NAD83, Decimal Degrees): N61.56369 W149.09256
Water Temp: 5.2° C; 94.9% DO; 11.94 mg/L DO; Specific Conductance .345 mS/cm; Conductivity 215.6µs/cm; pH 7.77
Sockeye juvenile fork lengths: minimum 36 mm, maximum 62 mm
Coho juvenile fork lengths: minimum 68 mm, maximum 100 mm
See attached map and photos.

Name of Observer (please print): Casey Smith and Coby Sims
Signature: Casey Smith
Date: 9/17/2012
Agency: USFWS, Anchorage Fisheries Branch
Address: 605 W. 4th Ave., Room G-61
Anchorage, AK 99501

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 02/08

Figure 1: Map of Palmer waste water outflow showing where fish were captured

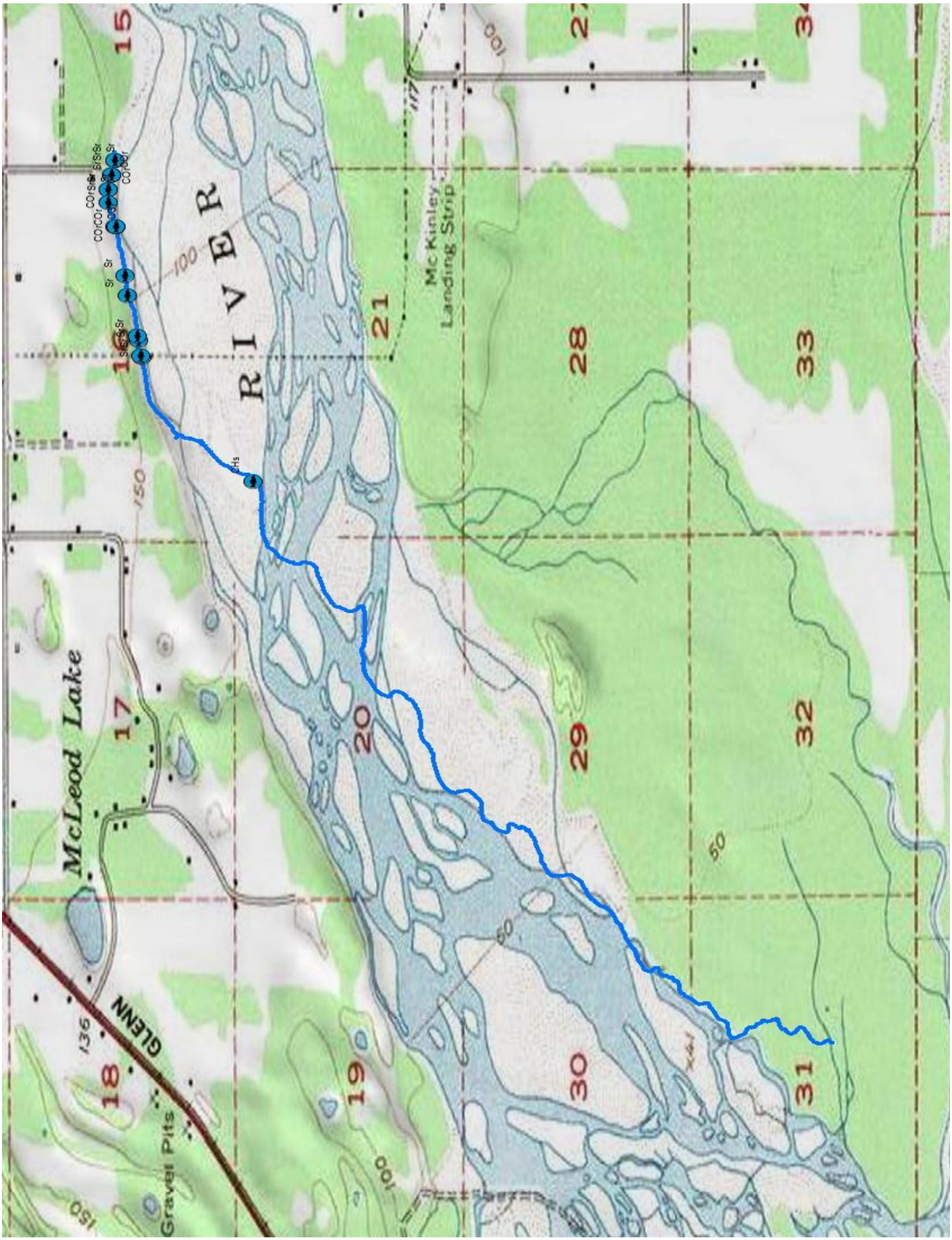

Figure 2: Fish data for Palmer waste water outflow

DATE	LAT	LONG	PHOTO NUMBER	FISH ID	LENGTH	SAMPLING SITE	WATER TEMP	mmHg	%D.O.	mg/L D.O.	SPC mS/cm	Conductivity	pH
8/1/2012	61.56197	-149.10353	S-35	SOCKEYE	45	MAT. RIVER FLATS	6.2 C		93.1	11.59	0.345	221.5	7.87
8/1/2012	61.56202	-149.10338	S-36	SOCKEYE	36	MAT. RIVER FLATS							
8/1/2012	61.56220	-149.10213	S-37	SOCKEYE	45	MAT. RIVER FLATS							
8/1/2012	61.56226	-149.10173	S-38	SOCKEYE	46	MAT. RIVER FLATS							
8/1/2012	61.56291	-149.09838	S-39	SOCKEYE	43	MAT. RIVER FLATS							
8/1/2012	61.56301	-149.09674	S-40	SOCKEYE	42	MAT. RIVER FLATS							
8/1/2012	61.56363	-149.09268	S-41	COHO	100	MAT. RIVER FLATS							
8/1/2012	61.56364	-149.09268	S-42	COHO	97	MAT. RIVER FLATS							
8/1/2012	61.56363	-149.09267	S-43	COHO	81	MAT. RIVER FLATS							
8/1/2012	61.56407	-149.08963	S-45	SOCKEYE	62	MAT. RIVER FLATS	5.2 C		94.9	11.94	0.345	215.6	7.77
8/1/2012	61.56407	-149.08964	S-46	SOCKEYE	54	MAT. RIVER FLATS	5.2 C		94.9	11.94	0.345	215.6	7.77
8/1/2012	61.56407	-149.08964	NO PIC/DROP	SOCKEYE	~50	MAT. RIVER FLATS	5.2 C		94.9	11.94	0.345	215.6	7.77
8/1/2012	61.56369	-149.08715	S-48	SOCKEYE	48	MAT. RIVER FLATS							
8/1/2012	61.56369	-149.08715	NO PIC	SOCKEYE	51	MAT. RIVER FLATS							
8/1/2012	61.56369	-149.08715	NO PIC	SOCKEYE	46	MAT. RIVER FLATS							
8/1/2012	61.56369	-149.08715	NO PIC	SOCKEYE	~45	MAT. RIVER FLATS							
8/1/2012	61.56392	-149.08839	S-49	COHO	85	MAT. RIVER FLATS							
8/1/2012	61.56391	-149.08840	S-50	COHO	68	MAT. RIVER FLATS							
8/1/2012	61.56391	-149.08838	S-51	COHO	61	MAT. RIVER FLATS							
8/1/2012	61.56391	-149.08838	LOST/ NO PIC	COHO	~62	MAT. RIVER FLATS							
8/1/2012	61.56411	-149.09065	S-56	COHO	94	MAT. RIVER FLATS							
8/1/2012	61.55490	-149.11381	S-59	CHUM	adult	MAT. RIVER FLATS							
8/1/2012	61.55490	-149.11381		SOCKEYE	adult	MAT. RIVER FLATS							

Figure 3: Voucher photo for juvenile sockeye salmon waypoint N 61.562262° W 149.101734°

Figure 4: Voucher photo for juvenile coho salmon waypoint N 61.563637° W 149.09268°

Figure 5: Voucher photo for adult chum N 61.55490° W149.11381°

Figure 6: Voucher photo adult sockeye salmon N 61.55490° W149.11381°

Figure 7: Voucher photo adult sockeye and chum salmon N 61.55490° W149.11381°