State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Fish Distribution Database

Region: Interior

USGS Quad(s): McGrath D-3 to D-4

Fish Distribution Database Number of Waterway: ~~waterway is near~~: 335-30-16600-2300-3055-4055 – 5040

Name of Waterway: Unnamed but near the tributary "complex" that ADF&G / CF considers the Salmon River of the Pitka Fork

☐ USGS Name ☑ ADF&G / CF name

☑ Addition ☐ Deletion ☐ Correction ☑ Backup Information

For Office Use

Nomination # 07 - 144

Revision Year: 2006

Revision to: Atlas ____ Catalog ____ Both ____

Revision Code: F - 1

ADF&G Fisheries Scientist — Date

ADNR OHMP Operations Mgr. — Date

FDD Project Biologist — Date 5/8/07

Cartographer — Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Chinook	7/20/2006	Y	Unknown	Y	☑
					☐
					☐
					☐
					☐

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: Headwaters of this tributary are near 62.86935 N, 154.253233 W (NAD 83). From this point the stream flows NW about 10 kilometers until it joins the Salmon River proper at approximately 62.908033 N, 154.412233 W. Since at least 2001 this stream has been flown as *part* of Index Area 102 (see attached forms). In 2006 the observer documented 2 observations that indicate the presence of Chinook salmon in this area: (1) most of the fish were found in the middle 3 miles of the survey area (which would be approximately between 62.891 N, 154.338 W and 62.904 N, 154.424 W of the stream continuum), and (2) visibility in the lower few miles of the index area was obscured by riparian vegetation, meaning that most of the fish were not probably counted in this section. An observation not in the notes but is of interest is that the observer remembers seeing fish within one-half mile of a beaver dam located at the coordinates provided for the headwaters above. These fish would have been near 62.870 N, 154.271 W. Either the upper-river coordinates for the "middle three mile" observation or the coordinates provided shortly downstream from the beaver dam would be *reasonable* to approximate the upper limit Chinook salmon were observed; however, Dan Costello (who prepared this nomination) was the observer who recalls seeing Chinook salmon near the beaver dam, and he recommends using the coordinates near the dam for the upper limit. The observer saw three spawning redds in this area.

Substantiates Chinook Salmon

Name of Observer (please print): Daniel Costello

Signature: Daniel Costello

Date: 5/7/2007

Agency: ADF&G / CF

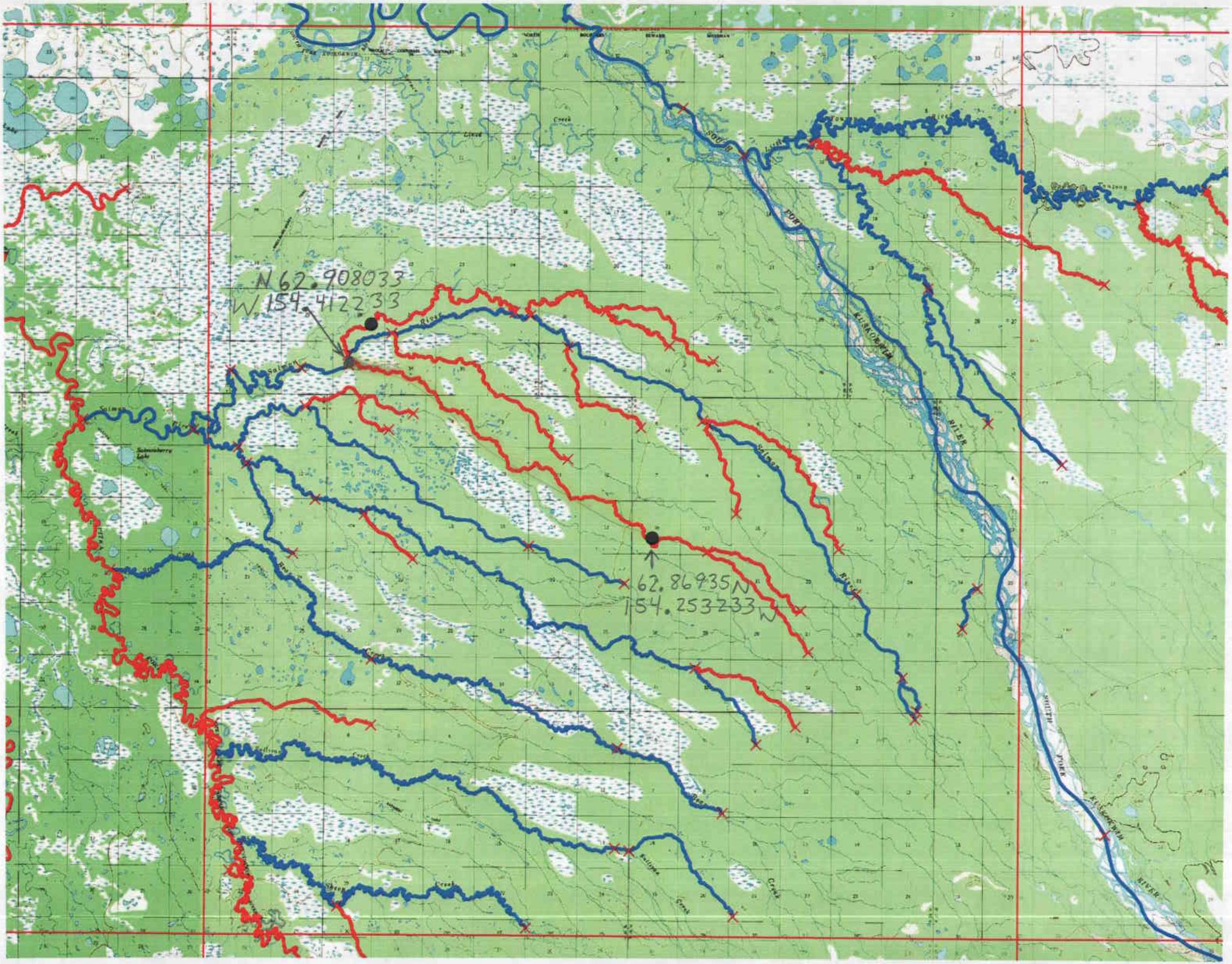
Address: 333 Raspberry Road
Anchorage, AK 99518

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 02/05


N 62.908033
W 154.412233
62.86935N
154.253233W
Salmon
Salmon
Salmon

A-Y-K SALMON ESCAPEMENT OBSERVATIONS - KUSKOKWIM AREA.

LATITUDE	LONGITUDE	DATE (M D Y)	STREAM NAME	DRAINAGE
62.53.45 N	154.34.86 W	07 20 05	Salmon River	Pitka Fork

INDEX AREA	KING LIVE	KING CARCASS	KING REDD	CHUM LIVE	CHUM CARCASS	PINK LIVE	PINK CARCASS	SOCKEYE LIVE	SOCKEYE CARCASS	COHO LIVE	COHO CARCASS
101	00008										
102	00520										
103	00116		0003								
104	01165										
105											
TOTAL	01809		0003								
DATA	1	0	1	0	0	0	0	0	0	0	0

UNIDENTIFIED SALMON	SURVEY METHOD	WIND	WEATHER	WATER	WATER VISABILITY	BOTTOM	TIME	DISTANCE SURVEYED	SPAWN STAGE	RATING	OBSERVER	OBSERVING AGENCY
	01	2	4	1	2	3	1		1	2	D	APFG

Coordinates: Start coordinates for Index Areas 102 and 104 found to be incorrect. New coordinates are 62.53.20N, 154.30.36W. End coordinates for Index Areas 102 and 104 also incorrect. New coordinates are 62.52.23N 154.14.92W and 62.50.14N, 154.15.66W.

Index Area 101: Visibility was poor throughout due to vegetation along river bottom, and poor bottom type (silt and mud). Water was slightly turbid

IA 101 Ratings: Wind=2, Weather=4, Water=2, Water Vis=2, Bottom=4, Time=1, Rating=

IA 104: Visibility was marginal in lower half due to poor bottom type and significant glare.

IA 104 Ratings: Wind=2, Weather=4, Water=1, Water Vis=2, Bottom=3, Time=1, Rating=

IA 102 Ratings: Same as for 104

IA 103: Excellent visibility throughout. Lots of submerged vegetation throughout. Significant beaver activity throughout; large dam located about .5 mi from confluence=fish still able to pass. Saw most fish in two groups. A group of 10 fish was spotted about 1.5 mi from confluence and a group of 70 fish was spotted about 3 mi from confluence

IA 103 Ratings: Wind=2, Weather=4, Water=1, Water vis=2, bottom=2, time=1, Rating=

IA 102: Sig. beaver activity throughout. Salmon passage blocked mid-way by large dam (62.52.20N, 154.15.57W). Visibility in lower section was poor due to poor bottom-type, riparian vegetation, and glare.

[illegible] OBSERVATIONS - KUSKOKWIM AREA.

LATITUDE	LONGITUDE	DATE (M D Y)	STREAM NAME	DRAINAGE
625345 N	1542884 W	01 20 0[illegible]	Salmon River	Pitka Fork

INDEX AREA	KING LIVE	KING CARCASS	KING REDD	CHUM LIVE	CHUM CARCASS	PINK LIVE	PINK CARCASS	SOCKEYE LIVE	SOCKEYE CARCASS	COHO LIVE	COHO CARCASS
I O 1	00000	0000	0000	0000000							
I O 2	00118	0000	0000	0000006							
I O 3	00060	0000	0003	0000000							
I O 4	00960	0000	0004	0000000							
I O 5											
TOTAL	01138	0000	0009	0000006							
DATA	X	X	X	X							

UNIDENTIFIED SALMON	SURVEY METHOD	WIND	WEATHER	WATER VIS.	BOTTOM	TIME	DISTANCE SURVEYED	SPAWN STAGE	RATING	OBSERVER	OBSERVING AGENCY
000000	01	1	2	2	2	1		1	1	DC	ADFG

Coordinates for Index Areas 102 and 104 incorrect.
Coordinates for the start of Index Area 101 were correct.
Since our coordinates were incorrect, we looked for distinguishing landmarks and noted what the coordinates should be.

New coordinates:

Salmon River 101 End = 625333N, 1543074W
and 101, 104 start

Salmon River 102 End = 6251.60N, 1541359W
104 End = 6247.68N, 1541396W

Visibility was poor all along Index Area 101; water was turbid/silty. / The lower 1/2 of 103 [illegible]
Visibility was poor the lower 1/2 of Index Area 101

A-Y-K SALMON ESCAPEMENT OBSERVATIONS-KUSKOKWIM AREA

LATITUDE	LONGITUDE	DATE (M D Y)	STREAM NAME	DRAINAGE
253666N	1543450W	07 20 03	Salmon River	UPPER Kuskokwim / Pitka Fork

INDEX AREA	LIVE KING	KING CARCASS	KING REDD	LIVE CHUM	CHUM CARCASS	LIVE PINK	PINK CARCASS	LIVE SOCKEYE	SOCKEYE CARCASS	LIVE COHO	CO CARC
101	149										
102	273										
103	31	3									
104	935										
05											
TOTAL	1388	3									

DATA	UNIDENTIFIED SALMON	SURVEY METHOD	WIND	WEATHER	WATER	WATER VIS.	BOTTOM	TIME	DISTANCE SURVEYED	SPAWN STAGE	RATING	OBSERVER	OBSERV AGENC
		01	1	1	1	1	1	1			1	SG	

AREA 101 HAD GOOD VISIBILITY. INDEX AREA 102 ALSO HAD GOOD VISIBILITY, THOUGH THERE WAS SOME TURBULENCE. WE TOOK THE SOUTHERN (MAIN) TRIBUTARY FROM THE HEADWATERS. THERE WERE MOSTLY SMALLER GROUPS (PAIRS), WITH A FEW LARGER AGGREGATES. INDEX AREA 103 HAD SOME OVERGROWTH IN THE LOWER PART OF THE RIVER. NEAR THE STOP POINT, THE RIVER GETS BRAIDED AND SHALLOW, AND FEWER FISH WERE FOUND THERE. MOST OF THE FISH OBSERVED WERE IN PAIRS. THE CARCASSES WERE SEEN NEAR THE HEADWATERS. INDEX AREA 104 HAD SEVERAL LARGE AGGREGATES (20-50 FISH) AND ONE VERY LARGE GROUP (ABOUT 100 FISH) NEAR THE HEADWATERS.

SALMON ESCAPEMENT OBSERVATIONS - KUSKOKWIM AREA

LATITUDE	LONGITUDE	DATE (M D Y)	STREAM NAME	DRAINAGE
6 25 20 3 N	154 34 86 W	07 22 02	Salmon River	Pitka Fork of the South Fork Kuskokwim

INDEX AREA	LIVE KING	KING CARCASS	KING REDD	LIVE CHUM	CHUM CARCASS	LIVE PINK	PINK CARCASS	LIVE SOCKEYE	SOCKEYE CARCASS	LIVE COHO	COHO CARCASS
101	21	0	0	0	1	0	0	0	0	0	0
102	359	0	0	0	0	0	0	0	0	0	0
103	4	0	0	0	0	0	0	0	0	0	0
104	892	0	0	0	0	0	0	0	0	0	0
105											
TOTAL	580										
DATA	0896	1	1	1	1	1	0	1	1	1	1

UNIDENTIFIED SALMON	SURVEY METHOD	WIND	WEATHER	WATER	WATER VIS.	BOTTOM	TIME	DISTANCE SURVEYED	SPAWN STAGE	RATING	OBSERVER	OBSERVING AGENCY
	1	1	3	1	1	1	1		2	1	KC	AOFG

INDEX AREAS 101 AND 102 WERE SURVEYED ON 7/21 UNDER SIMULAR CONDITIONS. THE SALMON WHERE IN GROUPS OF 10 TO 20 WITH A FEW INTERMITTEN MATING PAIRS.

REVISED DEC. 86

A-Y-K SALMON ESCAPEMENT OBSERVATIONS - KUSKOKWIM AREA

LATITUDE	LONGITUDE	DATE (M D Y)	STREAM NAME	DRAINAGE
62543 7 N	154 058 1 W	07 27 01	Salmon River / Pitka Fork	Kuskokwim / Middle Fork

INDEX AREA	LIVE KING	KING CARCASS	KING REDD	LIVE CHUM	CHUM CARCASS	LIVE PINK	PINK CARCASS	LIVE SOCKEYE	SOCKEYE CARCASS	LIVE COHO	CO CARC
101											
102	204										
103	76	1									
104	689	3									
105											
TOTAL	1029	4									
DATA	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

UNIDENTIFIED SALMON	SURVEY METHOD	WIND	WEATHER	WATER	WATER VIS.	BOTTOM	TIME	DISTANCE SURVEYED	SPAWN STAGE	RATING	OBSERVER	OBSERV AGENC
	1	1	2	1	1	1	1	25	2	1	CS	ADF

95% OF SURVEY WAS IN excellent conditions

Lower stretch of 101 was slightly turbid

Most fish were actively spawning

3 Bears in 104

A-Y-K SALMON ESCAPEMENT OBSERVATIONS - KUSKOKWIM AREA

LATITUDE	LONGITUDE	DATE (M D Y)	STREAM NAME	DRAINAGE
625384N	1543488W	07 26 00	Salmon River Pitka Fork	Middle Fork / Big River

INDEX AREA	LIVE KING	KING CARCASS	KING REDD	LIVE CHUM	CHUM CARCASS	LIVE PINK	PINK CARCASS	LIVE SOCKEYE	SOCKEYE CARCASS	LIVE COHO	CO CARC
101	15										
102	106	1									
103	57										
104	196	2									
105											
TOTAL											
DATA											

UNIDENTIFIED SALMON	SURVEY METHOD	WIND	WEATHER	WATER	WATER VIS.	BOTTOM	TIME	DISTANCE SURVEYED	SPAWN STAGE	RATING	OBSERVER	OBSERV AGENC
	01	2	3	1	1	1	2	46	1	1	CS	AD Fc

REVISED DEC.

Appendix A1.20.–Page 2 of 4.

System: Salmon River (Pitka Fork)
Species: Chinook salmon
Stock Unit: not applicable

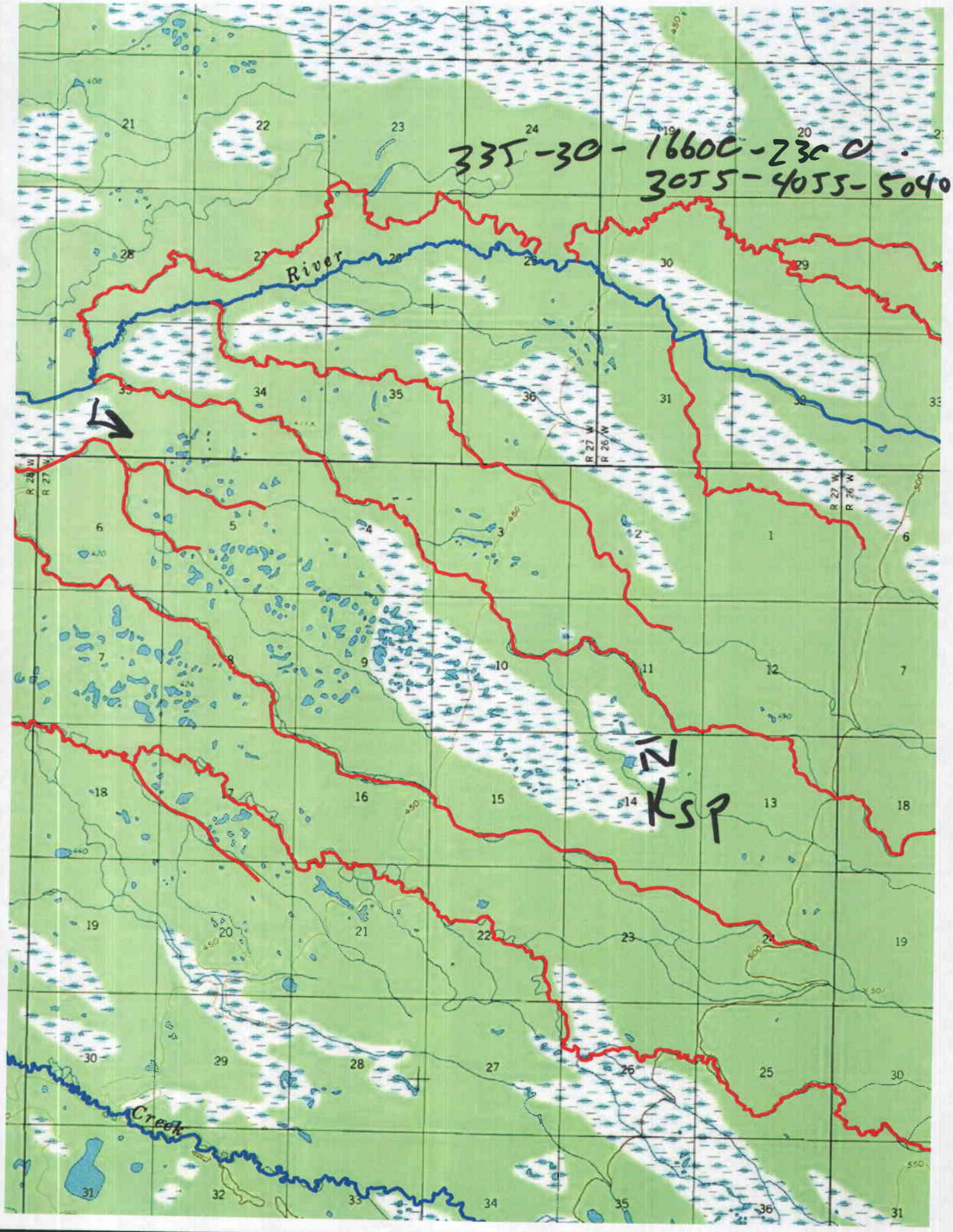
Data available for analysis of escapement goals.

Brood Year	Survey Areas 101	102	103	104	Index Area Total	Rating	Date of Survey	Comments
1960								
1961								
1962								
1963								
1964								
1965								
1966								
1967								
1968								
1969								
1970								
1971								
1972								
1973								
1974								
1975								
1976		443	150	1,347	1,940	1	23-Jul	
1977		38	27	1,035	1,100	1	25-Jul	
1978		56	469	157	682	1	4-Aug	
1979					1,450			
1980	35	425	31	983	1,439	3a	5-Aug	
1981	6	63	66	284	413	2	28-Jul	
1982		59	155	358	572			
1983	32	43	3	499	545	2	23-Jul	
1984	5	15	4	601	620	2	26-Jul	
1985								
1986								
1987	28	32	39	402	473	2	25-Jul	
1988	0	53	9	390	452	2	27-Jul	
1989								
1990								
1991	19	895	266	1,375	2,536	1	28-Jul	
1992	2	158	191	661	1,010	1	30-Jul	
1993	0	137	24	849	1,010	1	30-Jul	
1994	0	287	32	1,592	1,911	1	28-Jul	
1995								
1996								
1997								
1998								
1999	15	107	57	198	362	1	26-Jul	
2000	0	264	77	692	1,033	1	27-Jul	
2001	21	359	4	892	1,255	1	22-Jul	
2002	149	272	34	935	1,241	1	20-Jul	
2003	0	118	60	960	1,138	1	20-Jul	
2004	8	520	116	1,165	1,801	2	20-Jul	
2005								

a 1981 counts were used in calculating SEG because rating of "poor" was overruled due to qualitative comments made in survey.

Shaded cells were not used when calculating SEG range due to incomplete count of run.

-continued-


335-30-1660C-23CD
3055-4055-5040
River
Creek
R 28 W
R 27 W
R 26 W
N
KSP