



State of Alaska  
Department of Fish and Game  
Sportfish Division

Nomination Form  
Fish Distribution Database



Region Southcentral

USGS Quad(s) Kenai C-2

Fish Distribution Database Number of Waterway 247-90-10020-2058

Name of Waterway Swan Creek

USGS Name  Local Name

Addition  Deletion  Correction  Backup Information

For Office Use

Nomination # <u>07-236</u>		<u>11/2/07</u>
Revision Year: <u>2008</u>	ADF&G Fisheries Scientist	Date
Revision to: Atlas _____ Catalog _____		<u>11/2/07</u>
Both <u>X</u>	ADNR OHMP Operations Mgr.	Date
Revision Code: <u>B-2</u>		<u>10/14/07</u>
	FDD Project Biologist	Date
		<u>11/14/07</u>
	Cartographer	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho salmon	5/30/07, 7/20/07, 8/10/07, 9/18/07		28		<input checked="" type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<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:** Swan Creek was sampled using baited minnow traps at 12 locations on 3 occasions (July 20, August 10, and September 18, 2007). Swan Creek was also sampled at 4 locations on May 30, 2007. The purpose of the sampling was to document the extent Swan Creek was being utilized as a rearing area by juvenile coho salmon. A perched culvert (25 cm; see attached map and photo; N 60.73062 W -150.63931; WGS 84) on the stream has raised concerns regarding fish passage. Twelve locations ( 6 upstream of the culvert and 6 downstream) were sampled as outlined on the attached map. The stream channel was approximately 1-2 m wide with sand and gravel substrate, and grassy vegetation in stream (*Carex* sp.) and on streambanks (*Equisetum* sp., *calamagrostis* sp., alder, birch, spruce). Stream flow regime below culvert has intermittent dry periods; the 50 m reach sampled below the culvert was dry during July and August. Four minnow traps (sites on map) fished approximately 18 hours on May 30 produced 16 juvenile coho salmon. 12 minnow traps fished (sites on map) a total of 25 hours July 20 yielded 2 juvenile coho salmon; an August 10 soak time of 6.6 hours captured 2 juvenile coho salmon, and on September 18 a soak time of 14.5 hours captured 8 coho salmon. Juvenile coho salmon lengths ranged from 51 - 120 mm (see attached).  
Add coho salmon rearing to 247-90-10020-2058

Name of Observer (please print): Miranda Plumb  
 Signature:   
 Agency: U.S. Fish and Wildlife Service  
 Address: P.O. Box 1670  
Kenai, AK 99611

Date: 9/25/07

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:   
 Name of Area Biologist (please print): Robert Beggs Date: 9/24/07 Revision 02/05

Swan Creek (at Little Merganser Lake Outlet)

Juvenile coho salmon lengths (mm)

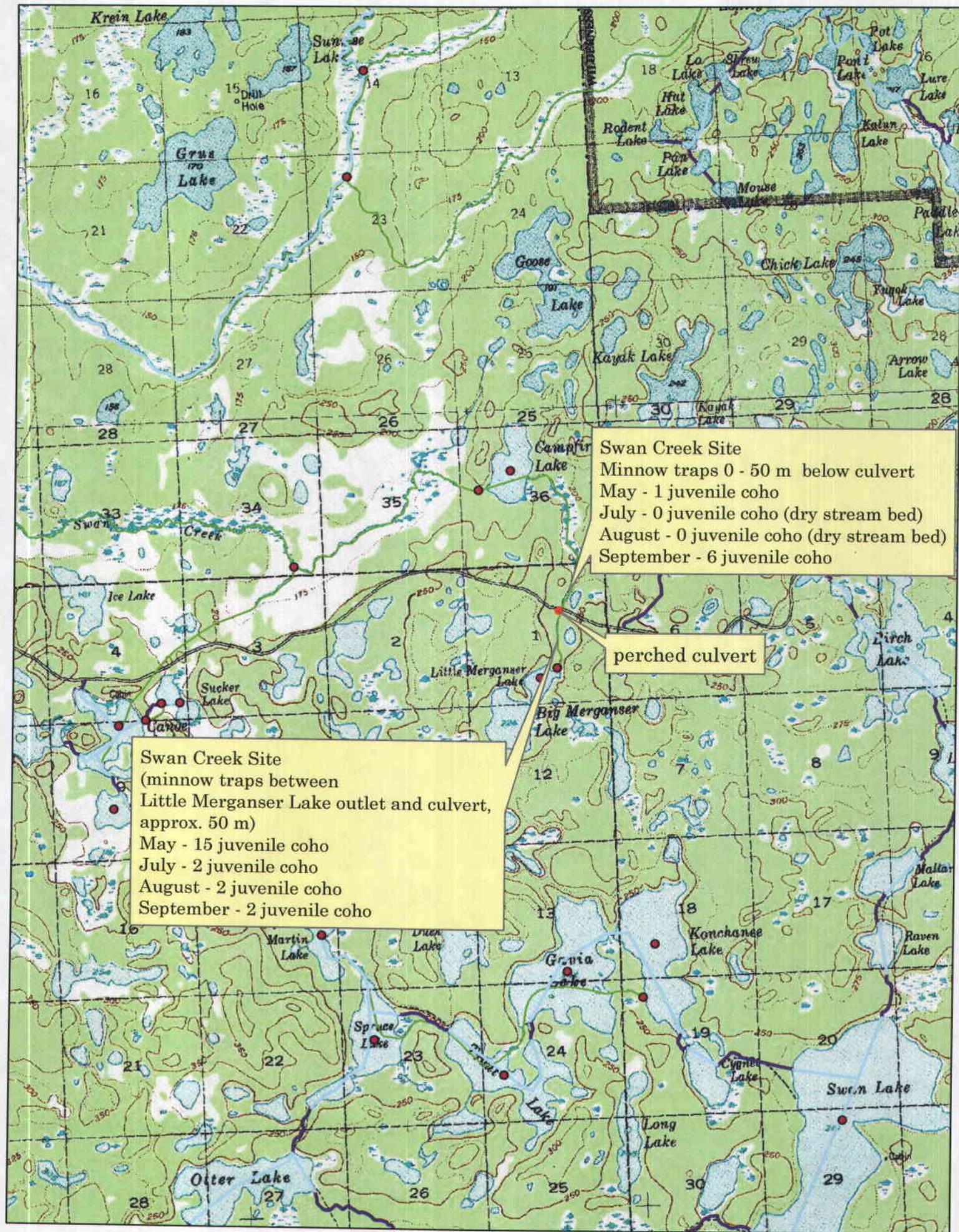
	5/30/2007	7/20/2007	8/10/2007	9/18/2007
Upstream of culvert	108	63	69	65
	120	87	58	67
	120			
	80			
	89			
	93			
	105			
	72			
	66			
	68			
	75			
	81			
	*plus 3 juvenile coho not measured			
	Downstream of culvert	69		



**Swan Creek at Lower Merganser Lake, perched culvert. USFWS, ADFG, and Kenai Watershed Forum are working together to reset this culvert by Spring 2008.**



**Juvenile coho salmon caught in one minnow trap, soaked overnight in Swan Creek (near Little Merganser Lake)**



Swan Creek Site  
 Minnow traps 0 - 50 m below culvert  
 May - 1 juvenile coho  
 July - 0 juvenile coho (dry stream bed)  
 August - 0 juvenile coho (dry stream bed)  
 September - 6 juvenile coho

Swan Creek Site  
 (minnow traps between  
 Little Merganser Lake outlet and culvert,  
 approx. 50 m)  
 May - 15 juvenile coho  
 July - 2 juvenile coho  
 August - 2 juvenile coho  
 September - 2 juvenile coho

perched culvert

36

Add coho salmon penning to

247-96-10020-2058

COR  
↓  
↑

Sp

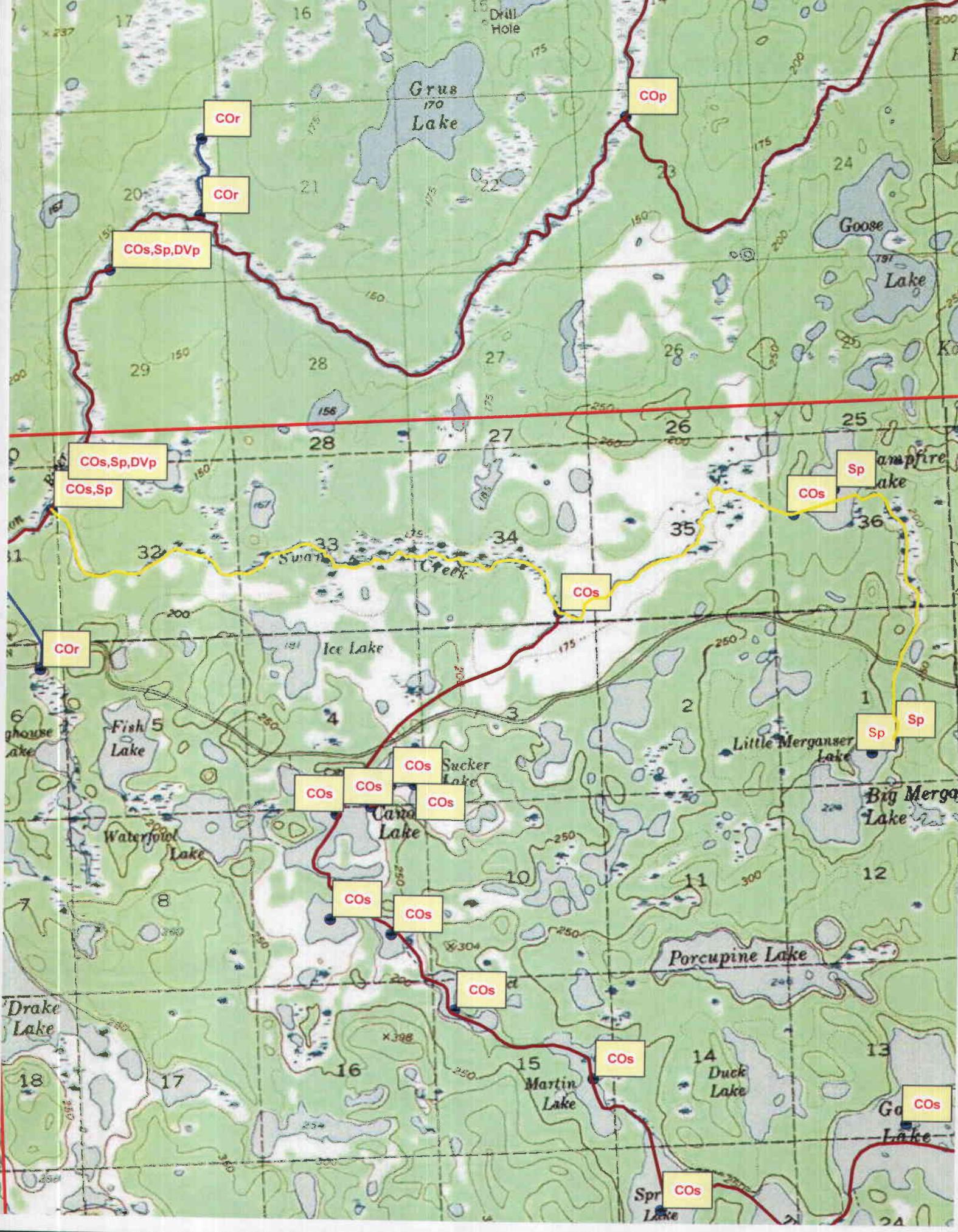
Sp

Little Merganser Lake

Big Merganser Lake

2200





COr

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