



State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Fish Distribution Database



Region Southcentral

USGS Quad(s) Kenai C 4

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

Name of Waterway Swan Creek

- Addition Deletion Correction Backup Information

USGS Name Local Name

For Office Use	
Nomination # <u>07-236</u>	<u>[Signature]</u> ADF&G Fisheries Scientist Date <u>11/2/07</u>
Revision Year: <u>2008</u>	<u>[Signature]</u> ADNR OHMP Operations Mgr. Date <u>11/2/07</u>
Revision to: Atlas _____ Catalog _____ Both <input checked="" type="checkbox"/>	<u>[Signature]</u> FDD Project Biologist Date <u>10/14/07</u>
Revision Code: <u>B-2</u>	<u>[Signature]</u> Cartographer Date <u>11/14/07</u>

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 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: [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: [Signature] Date: 9/24/07
Name of Area Biologist (please print): _____

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		

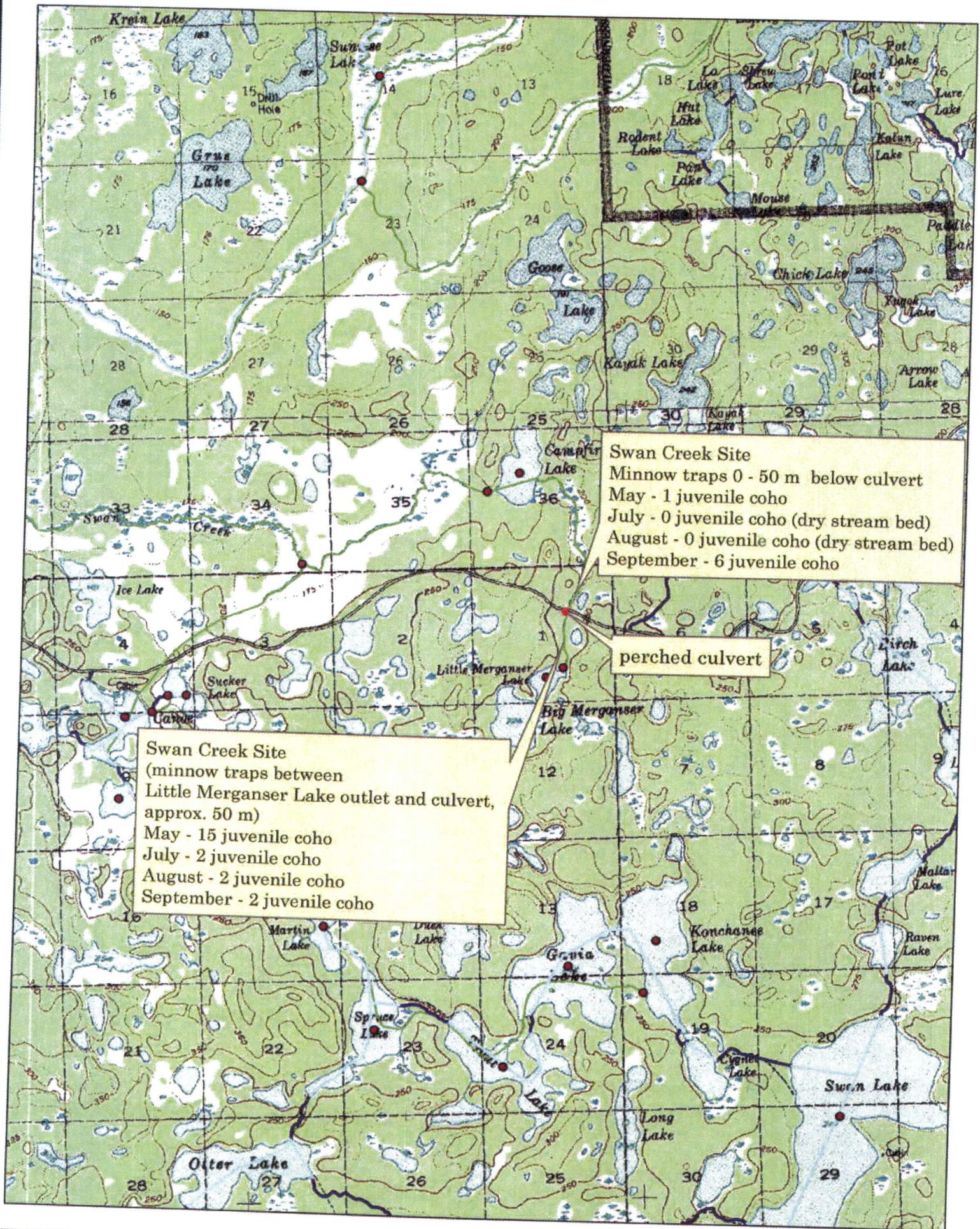
data collected by: Kenai Fish & Wildlife Field Office



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)



36

Add coho salmon penning to

29796-10020-2058

↓
COR
↑

Little Merganser Lake

Sp

Sp

Big Merganser Lake

220

