



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

Nomination Form
Anadromous Waters Catalog

JP

Region South Central USGS Quad(s) Anchorage B-8
 Anadromous Waters Catalog Number of Waterway 247-50-10360-0010
 Name of Waterway Stephan Lake USGS Name Local Name
 Addition Deletion Correction Backup Information

For Office Use

Nomination # <u>100393</u>	_____	_____
Revision Year: <u>2011</u>	Fisheries Scientist	Date
Revision to: Atlas _____ Catalog _____	_____	_____
Both _____	Habitat Operations Manager	Date
Revision Code: <u>F-1</u>	<u>[Signature]</u>	<u>24 APR 10</u>
	AWC Project Biologist	Date
	_____	_____
	Cartographer	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
<u>COHO</u>	<u>1961-1979</u>			<u>X</u>	<u>X</u>

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.

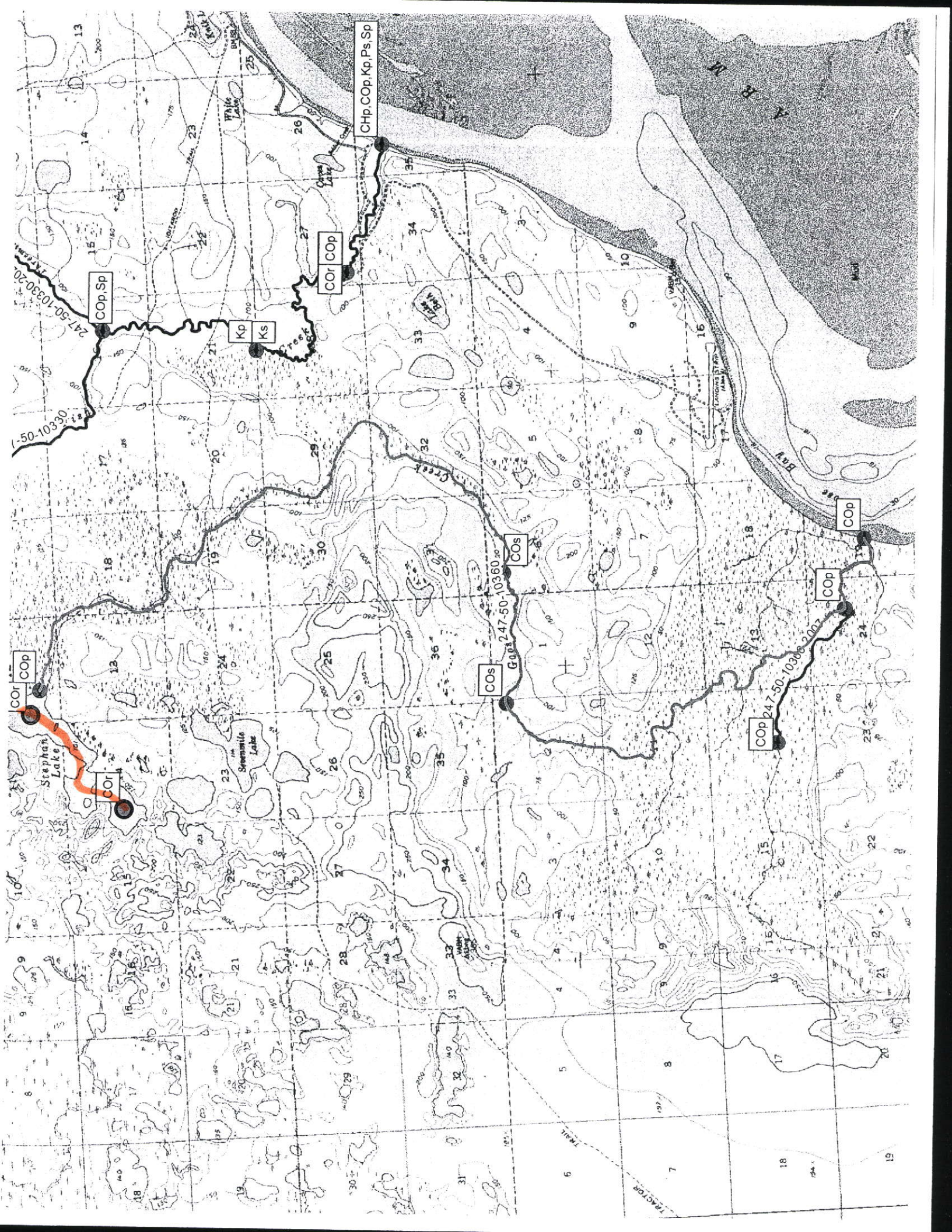
Comments:

Survey Attached.
Also included is a letter documenting the presence of coho salmon

Name of Observer (please print): Nick Logelin
 Signature: [Signature] Date: 01-08-10
 Agency: ADF&G Sport Fish
 Address: 1800 Glenn Hwy. Suite #4
Palmer, AK 99645

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 _____



STATE OF ALASKA

DEPARTMENT OF FISH AND GAME

JAY S. HAMMOND, GOVERNOR

BOX 794 - PALMER 99645

April 27, 1979
Ms. Norma Coleman
Lands Manager
Matanuska-Susitna Borough, Inc.
P. O. Box B
Palmer, Alaska 99645

Dear Norma:

This letter is prompted by the proposed sale of a parcel of borough land on Stephan Lake. Specifically I am referring to the 4.71 acre tract that links the north basin of the lake with the southern basin (T16N, R4W, Sec. 14, Parcel 11). You may recall that in 1965 the Department of Fish and Game identified this parcel (RUA 26707) as a potential public interest area. Our request to retain the parcel or a portion of the parcel in public ownership, however, was not acknowledged by the State Division of Lands when the tract was conveyed to the Matanuska Susitna Borough.

With the parcel about to be transferred to private hands I would like, perhaps for the last time, to explain our interest in this land. Between the parcel in question and Government Lot 12 lies a shallow marshy channel that connects the two basins of Stephan Lake. During most lake levels this channel is not readily navigable by boat, i.e., it is shallow and choked with debris. At least during high water fish can move between the lake basins and, in fact, also migrate from the southern basin up a small stream to nearby Anna Lake. Both Anna and Stephan Lakes support sizeable populations of rainbow trout and juvenile coho salmon. Adult trout that reside in Anna and the southern basin of Stephan Lake must move through the channel in question to arrive at spawning grounds located in the outlet of Stephan Lake.

As human development in and around the lake increases in the future we envision greater demands on the lake's aquatic resources. An enlarged human population will likely result in the public wishing to use the surface of the lake in its entirety. Full use of Stephan Lake as a single unit will, of course, not be possible if access is denied between the two lake basins.

It was our original intent when we filed the R.U.A. to retain a public use "link" between the two basins. As the need became apparent it would have been possible to dredge and/or blast a small navigable channel between the basins. Such a channel would allow full public use of the entire lake surface and in turn would also be advantageous to the fishes of the lake. An "all weather" water corridor would allow the fish to use all available habitats regardless of seasonal fluctuations in lake surface levels. Improved use of the entire lake would, of course, better enable the trout to 'stand up' to the pressures of an expanding human population.

Before this parcel is sold we would urge that the Borough consider retaining a corridor between the two basins. Such a retention would seem to be consistent with Resolution 78-140, and in our opinion, would serve the public interest more appropriately than disposal of the entire parcel. The right-of-way or corridor should be at least 100 feet wide and could be confined to the southeast portion of the tract.

Ms. Norma Coleman

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April 27, 1979

Your consideration of this request will be appreciated. If you have any questions regarding this matter please do not hesitate to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Larry J. Engel". The signature is written in dark ink and is positioned above the typed name.

Larry J. Engel
Area Fishery Biologist
Phone 745-3178 or 745-4246

ALA DEPARTMENT OF FISH AND GAME
DIVISION OF SPORT FISH
LAKE SURVEY SUMMARY

LAKE Stephan (852)

MAP REF. Anch B-8 T 16N R 4W S 14 LAT. 61°23' LONG. 149°56'

LOC. ### South Big Lake SURF. ELEV. 101

1. SURF. ACRES 313 MAX. DEPTH 14' AVG. DEPTH Not computed ACRE FT. Not computed
SHOAL AREA 100% WATER COLOR light brown SECCHI READING _____
AQUATIC VEGETATION _____

2. FISH SPECIES: NATIVE RB, SS, SB, INS INTRODUCED _____

3. FISHING HISTORY Good RB fishing and good ice fishing for SS in winter.

4. INVERTEBRATES _____

5. INLETS Three small streams DISCHARGE Intermittant flow cfs
DISCHARGE _____ cfs
DISCHARGE _____ cfs
BARRIERS Low water

6. OUTLETS Outlet is Goose Creek, drains to Goose Bay DISCHARGE Unknown cfs
DISCHARGE _____ cfs
BARRIERS Low water

7. SPAWNING AREAS In outlet stream when flow is sufficient.

8. WATERSHED TYPE Spruce, Birch, muskey DRAINAGE AREA Unknown ACRES

9. ACCESSIBILITY Off Burma Road, no public road or trail to access site or State land.

10. ACCESS STATUS RUA # 26702

11. USE SITE Cabins (8) FACILITIES No public facilities

12. OTHER USE Summer residential

13. POLLUTION None

14. REMARKS _____

BY R. Andrews DATE June 1961

Date of Survey 6/61

MINNESOTA DEPARTMENT OF FISHERIES AND GAME
Sport Fish Division

R. Andrews

Lake Survey Form

JAMES ANGLI
Anchor B-8

Lake Stephen Lake
Acreage 313 Est.
Location Cocoon Bay drainage
Type of Bottom Mud rocks
Inlets (name, size, permanency) 3 streams, about 1/2 in. length.
Benchmark (Description) _____
Outlet (size, immediate and main drainage) Stream 10 ft. in 25 seconds
Barriers None
Use (Private, public, semiprivate) Semi-private
Public Access Site Under request
Facilities (Campground, roadhouse, etc.) 7 cottages
Native Fish Species BB & SS, stickleback & suckers
Introduced Species None
Spawning Grounds In outlet some good spawning gravel noted.

Sec. 11-12, Twp. 16N, Rge. 4W, Lat. 61°23' N., Long. 149°56' W.
Max. Depth 14 feet Altitude 101
Water Color (clear, silty) Brown

Fishing History Noted for good BB fishing.

Other Uses Summer residential

Fish Losses Unknown. March 1961 Salimic crew detected change in lake.

Character and size of watershed Hilly, wooded country. Isolated wooded terminal moraines.
Watershed covers some 600 to 800 acres.

Remarks _____

DI 3 P 170 Survey
DJ 6 p 345 RVA 26702

(over)