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

Nomination Form
Anadromous Waters Catalog

Region: South Central

USGS Quad(s): Anchorage A-2

Anadromous Waters Catalog Number of Waterway: 222-50-12440-0010

Name of Waterway: MINERS LAKE

☑ USGS Name ☐ Local Name

☒ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

Nomination #	120375	Fisheries Scientist	Date
Revision Year:	2013	Habitat Operations Manager	Date 9/25/12
Revision to:	Atlas ____ Catalog ____ Both ____	AWC Project Biologist	Date
Revision Code:	F-1	Cartographer	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho	6-29 to 6-30 (1982)		33 ✓		☑
					☐
					☐
					☐
					☐

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: *ALL juvenile coho absent as mature 1 yr old
32 coho caught in minnow traps
1 coho caught in 1/2" to 2" mesh gillnet
caught by David Barto & Lance Nelson (PWSAC)
NOTES ATTACHED from 1982 study

Name of Observer (please print): _____

Signature: _____ Date: _____

Agency: _____

Address: _____

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: [signature] Date: 9/20/2012

Revision 02/08

Miners Lake 222-50-240

Miners Lake outlet flows west approximately 600 meters to Miners Bay in Unakwik Inlet. There are no barriers to upstream adult fish passage and the lake system supports anadromous fish populations.

Fish species sampled in Miners Lake (Fig 2.1, 2.2 and Table 2.1) consisted of Dolly Varden char (Salvelinus malma), coho salmon (Oncorhynchus kisutch) and coastrange sculpin (Cottus aleuticus). Sockeye salmon (Oncorhynchus nerka) adults were observed in the lake, mainly congregating in the littoral zones at the east end of the lake near the mouths of the inlet streams. Spawning habitat in Miners Lake is difficult to identify due to the high glacial influence and limited visibility. The majority of spawning sockeye appear to be located at the east end of the lake.

The inlets at the east end of the lake are bifurcations of one major inlet. This inlet is braided through glacial deposited gravels and enters the lake in five or six different areas. Available spawning habitat in these inlets is difficult to quantify due to the poor visibility. These areas appear to be utilized as spawning areas for coho salmon.

Table 2.1 Fish sampling data from Miners Lake, 6/29-30/82

gear	catch species	catch nos.	length (mm) range	length (mm) $\bar{x}$	hours of effort	CPUE
MT(1	Dolly Varden	131	45-157	94.7	328.47	0.399
GN(2	Dolly Varden	10	113-165		18.17	0.550
MT	Coho	32	42-119	64.3	328.47	0.097
GN	Coho	1	119		18.17	0.055
MT	Sculpin	4	--	--	328.47	0.012

(1 funnel type minnow traps 17.5" x 9", baited with liverwurst

(2 experimental sinking and floating gill nets, 125' long x 6' deep, five pannels - 1/2" to 2" mesh

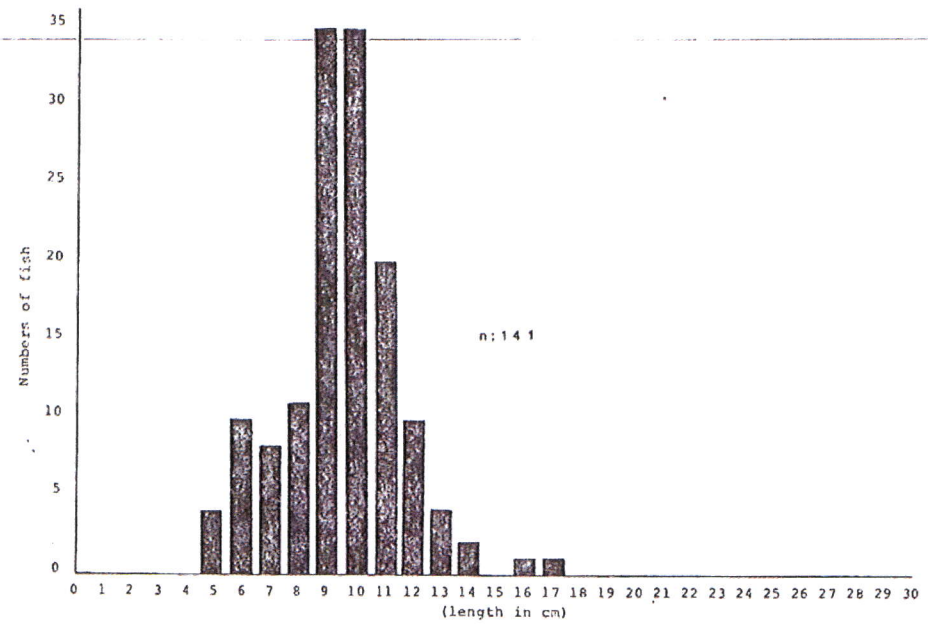

Figure 2.1 Length frequency distribution of Dolly Varden char sampled in Miners Lake, 1982

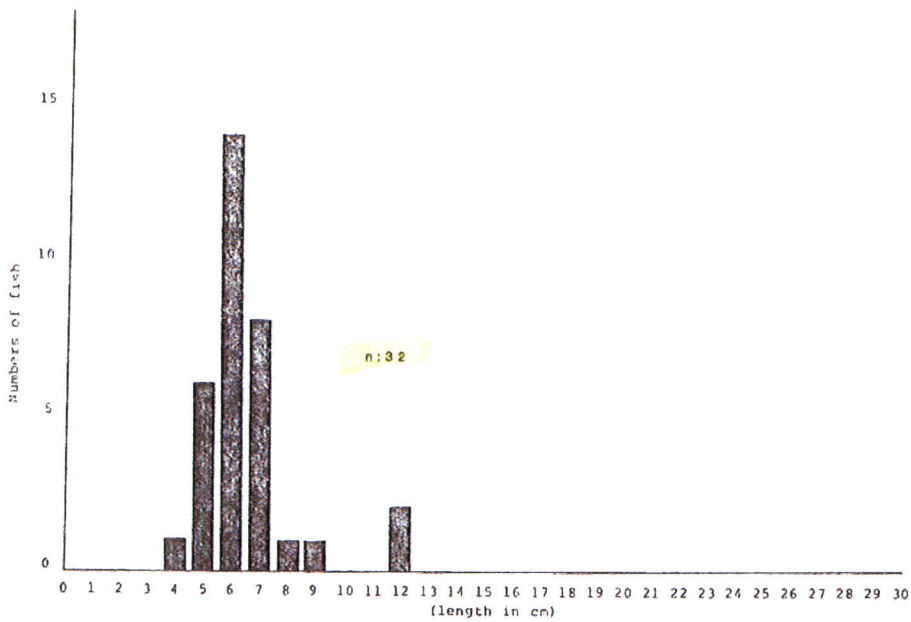

Figure 2.2 Length freqency distribution of coho salmon sampled in Miners Lake, 1982