



State of Alaska
Department of Fish and Game
Habitat and Restoration Division

Nomination for Waters
Important to Anadromous Fish

Region SOUTHCENTRAL

USGS Quad Kenai C-2

Anadromous Water Catalog Number of Waterway 244-30-10010-2063-3100 & 3100-0088

Name of Waterway Bear Lake & Outlet stream USGS Name Local Name

Addition Deletion Correction Backup Information

3100-AVCA# = 4462

For Office Use

Nomination # <u>01 184</u>	<u>109</u>	<u>11/10/01</u>
Revision Year: <u>2001</u>	Regional Supervisor	Date
Revision to: Atlas _____ Catalog _____	<u>[Signature]</u>	<u>11/7/01</u>
Both <input checked="" type="checkbox"/>	AWC Project Biologist	Date
Revision Code: <u>A-1, A-2</u>	<u>[Signature]</u>	<u>11/30/01</u>
	Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho	8/6 - 7/1985		X		<input checked="" type="checkbox"/>
Rainbow Trout	8/6 - 7/1985			X	<input type="checkbox"/>
Longnose Sucker	8/6 - 7/1985			X	<input type="checkbox"/>
					<input type="checkbox"/>
Dolly Varden	8/6 - 7/1985			X	<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:

Add Bear Lake and outlet stream with species coho rearing based on historic USFWS sampling. see attached report excerpts.

Name of Observer (please print): USFWS Kenai Fisheries Research Staff

Signature: _____

Date: 7/11/01

Address: USFWS Kenai Fishery Resource Office

P.O. Box 1670, Kenai, AK 99611

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 Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes per AS 16.05.870.

Signature of Area Biologist: _____

Revision 3/97

Table . Bear Lake (KNWR) fish sampling, catch, and effort summary for August 6-7, 1985 sampling survey.

Gear	Average Fishing Time (hrs.)	Amount Gear (sq.ft.)	Fish Species	Total Fish Number	Sex M-F-U*	Fish Caught Per Trap Hour	Overnight Catch/Trap
2 experimental gill nets	13.5	1600	Coho salmon	15	0-0-15	.55	--
			Longnose sucker	4	2-2-0	.15	--
			Rainbow trout	1	1-0-0	.04	
			All Species	20		.74	--
1 fine mesh gill net	13.0	400	Coho salmon	46	0-0-46	3.53	--
			Threespine stickleback	24	0-0-24	1.85	--
			All Species	70		5.38	--
10 minnow traps	Overnight	--	Threespine stickleback	318	0-0-318	--	32
			Coho salmon	25	0-0-25	--	2
			Ninespine stickleback	2	0-0-2	--	<1
			Dolly Varden char	1	0-0-1	--	<1
			All Species	346		--	35

*Undetermined

60.664
- 150.3726

Table . Length, weight, and condition factor* for fish sampled from Bear Lake (KNWR) during the August 6-7, 1985 survey.

Gear	Species		Sample Size	Mean	Standard Deviation	Range
2 Experimental Mesh Gill Nets	Coho salmon	Length (mm)	15	111	5.8	102 - 120
		Weight (g)		14.8	2.0	12.1 - 19.0
		Condition		1.09	.10	.90 - 1.22
	Longnose sucker	Length (mm)	4	485	26.5	460 - 520
		Weight (g)		1285	146	1150 - 1480
		Condition		1.12	.08	1.05 - 1.23
	Rainbow trout	Length (mm)	1	245	-	245
		Weight (g)		186	-	186
		Condition		1.26	-	1.26
1 Fine Mesh Gill Net	Coho salmon	Length (mm)	14	114	13.5	87 - 145
		Weight (g)		18.2	6.9	7.3 - 36.0
		Condition		1.16	.11	.99 - 1.38

*Condition factor = (weight x 100,000)/length³

EXTEND STREAM 244-30-10010-2063 w/ COP
ADD LAKE & STREAM 244-30-10010-2063-3100 & 3100-0008 w/ COP

