State of Alaska
Department of Fish and Game
Nomination for Waters
Important to Anadromous Fish

ALASKA DEPT. OF
FISH & GAME

1997
REGION II
HABITAT AND RESTORATION
DIVISION

AWC Volume SE SC **SW** W AR IN USGS Quad **Unalaska**

Anadromous Water Catalog Number of Waterway **302-21**-10850

Name of Waterway **Thirty-Three Creek** USGS name ____ Local name **XX**

Addition **XX** Deletion ____ Correction ____ Backup Information ____

For Office Use

Nomination # 97 251	Regional Supervisor — Date 1/14/97
Revision Year:	
Revision to: Atlas ____ Catalog ____ Both X	4/24/97
Revision Code: E9 A-2	Drafted — Date 12/8/97

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
Dolly Varden	6/27-28/96		XXX		probably
Dolly Varden	6/28/96		XXX		XXX
Coho Salmon	6/28/96		XXX		XXX
Coho Salmon	6/28/96		XXX		XXX

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 any other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments: Site 1 - 6/27-28/96 - Minnow trap baited with cured salmon eggs, fished overnight from 1630 hr. to 0850 hr. (16.25 hr. total); captured **3 DV** @ 124, 120, 110 mm.; ground survey upstream of sample site reveals accessible rearing habitat to a point about 1,500 meters upstream where a fish barrier waterfall (estimated at 30 to 45 feet high) is located. No fish observed upstream of waterfall during stream side walk and inspection of substrate. Several species of aquatic insect larvae were found upstream of the waterfall as well as in stream substrate downstream of the waterfall.
Site 2 - 6/28/96 - Hook and line sample for 30 minutes (2100 hr. to 2130 hr.); captured **4 adult, sea run DV** @ 18, 16, 16, 12 inches long. Fish were in very good condition, and silvery-sided.
Site 3 - 6/28/96 - Beach Seine Sample for 0.25 hr (2145 hr. to 2200 hr.) along 150 foot-long reach of mainstem of river's east side. Captured **6 DV** @ 100, 97, 80, 75, 70, and 35 mm, and **1 CO** @ 40 mm.
Site 4 - 6/28/96 - Fished pair of minnow traps baited with cured salmon eggs, one on east side and one on west side of stream channel. Sampled from 2100 hr. to 2240 hr.(about 1.75 hr. for each trap). Trap 1 (east side of sample site) captured **12 DV** @ 140, 135, 120, 120, 120, 115, 110, 105, 105, 105, 100, 80 mm and **2 CO** @ 100, 95 mm. Trap 2 (west side of sample site) captured **4 DV** @ 125, 110, 105, 105 mm and **1 CO** @ 94mm. The larger DV (i.e. > 115 mm) and all CO were silvery sided and appeared to be smolting. Ground survey revealed that prime CO rearing habitat extends at least 2,500 meters in the Thirty-Three Creek mainstem upstream of this sample site.
In addition, from on-site observation, the lower 2,000 meters of Marsh Creek (i.e., from its confluence with Thirty-Three Creek upstream) and the lower 850 meters of Falls Creek also appear to provide CO rearing habitat, however, due to time constraints no fish samples were taken in Marsh or Falls creek.
[note: length measurements, above, are tip of snout to fork of tail]

Name of Observer (please print) _C. Wayne Dolezal_ C. Wayne Dolezal

Date: _____ Signature: _____

Address: ADF&G - Habitat and Restoration Division
333 Raspberry Road
Anchorage, Alaska 99518-1599

This certifies that in my best professional judgement 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: _____ Rev. 7/93