

Region ARCTIC ↓ USGS Quad HARRISON BAY A-1  
HARRISON BAY B-1

Anadromous Water Catalog Number of Waterway 330-00-10700-2050

Name of Waterway MELUVEACH RIVER  USGS Name  Local Name

Addition  Deletion  Correction  Backup Information

For Office Use

Nomination #	<u>98 106</u>	<u>[Signature]</u>	<u>10-13-97</u>
Revision Year:		Regional Supervisor	Date
Revision to: Atlas	Catalog	<u>[Signature]</u>	<u>11/18/97</u>
Both	<input checked="" type="checkbox"/>	AWC Project Biologist	Date
Revision Code:	<u>A-2</u>	<u>[Signature]</u>	<u>12/2/97</u>
		Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
<u>DOLLY VARDEN</u>	<u>6/21/97</u>		<u>X</u>	<u>X</u>	<input checked="" type="checkbox"/>
<u>DOLLY VARDEN</u>	<u>6/23/97</u>		<u>X</u>	<u>X</u>	<input checked="" type="checkbox"/>
<u>DOLLY VARDEN</u>	<u>7/16/97</u>		<u>X</u>	<u>X</u>	<input checked="" 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:  
SEE ATTACHED DAILY REPORTS BY DR. LARRY MOULTON

ALASKA DEPT. OF FISH & GAME  
 OCT 23 1997

Name of Observer (please print) LARRY MOULTON  
 Date: \_\_\_\_\_ Signature: [Signature]  
 Address: MGM RESEARCH HABITAT AND RESTORATION DIVISION  
5460 NE TOLLO RD  
BAINBRIDGE ISLAND, WA 98110

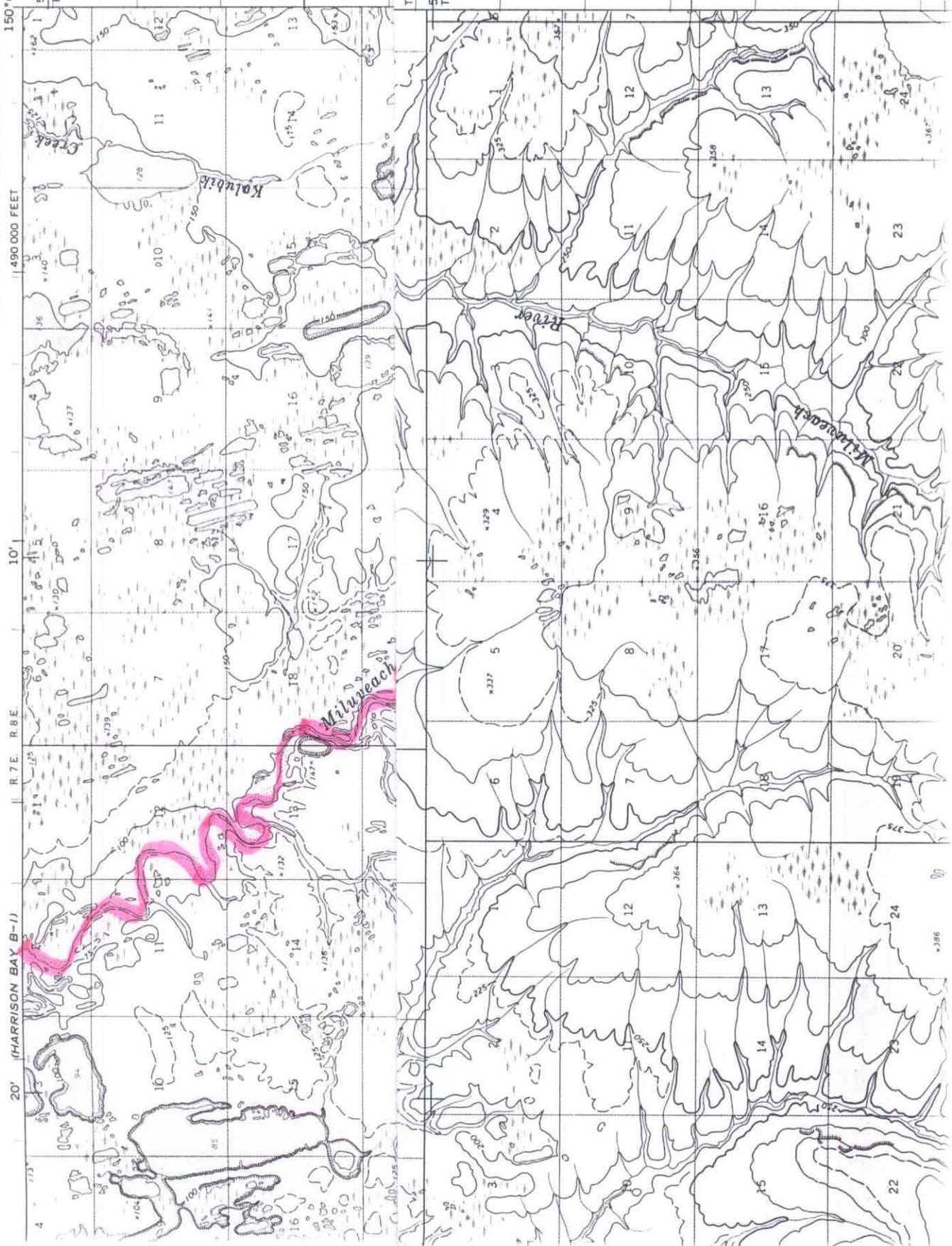
This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes per AS 16.05.870.

Signature of Area Biologist: [Signature] Revision 11/96

HARRISON BAY (A-1) QUADRANGLE  
ALASKA  
1:63 360 SERIES (TOPOGRAPHIC)

HARRISON BAY (A-1) QUADRANGLE  
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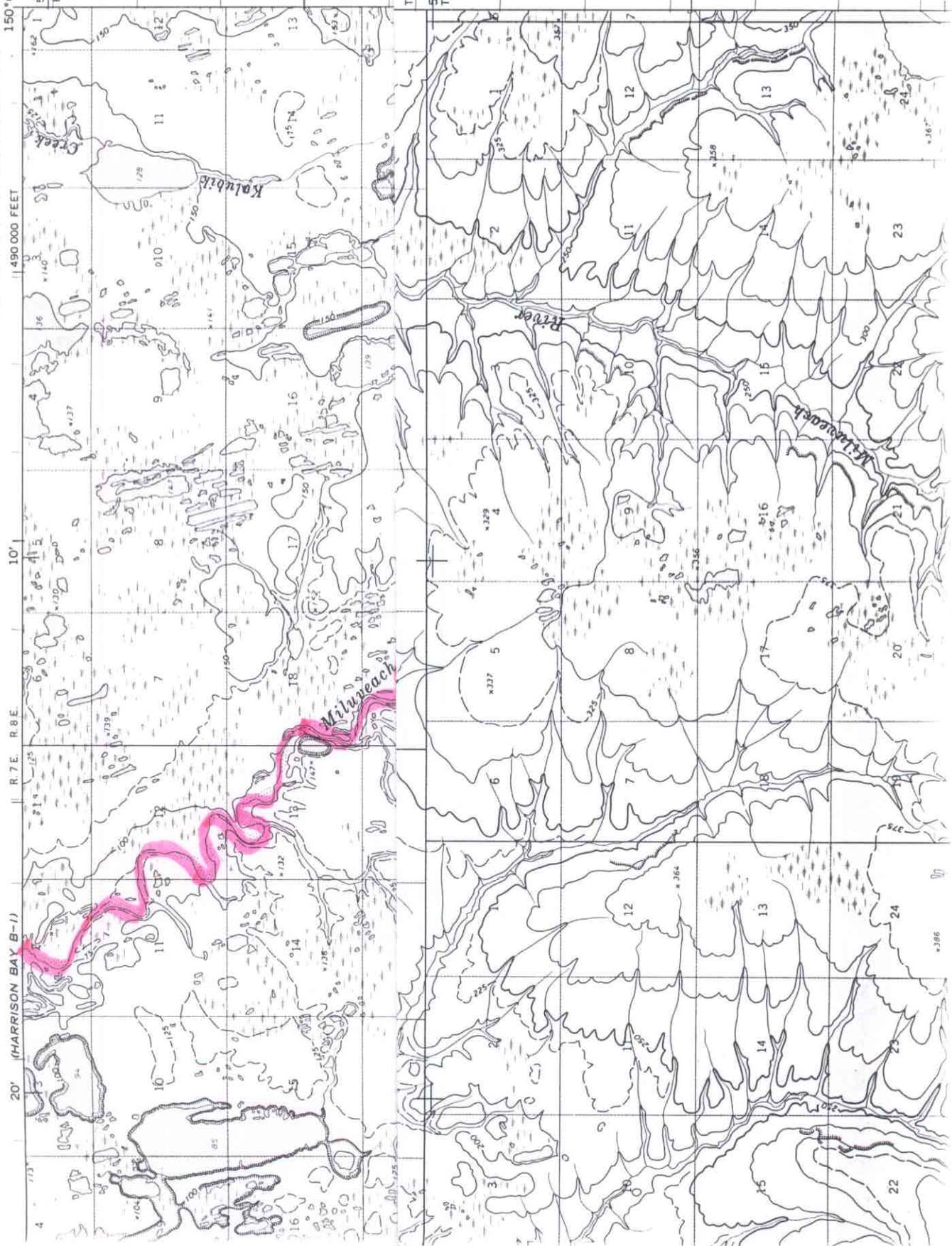
150°00' 70°15'  
5 940 000  
FEET



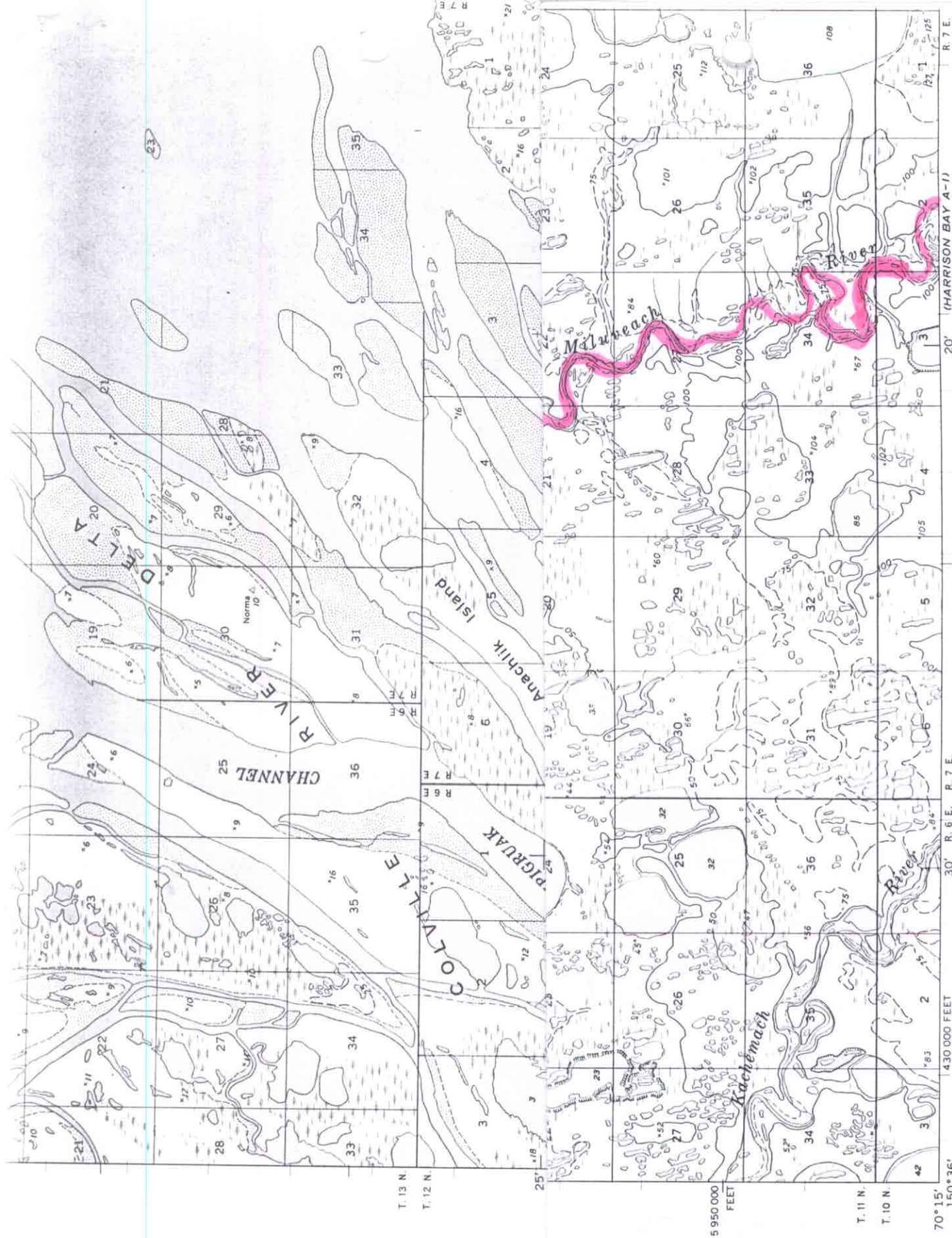
T.9 N  
5'  
T.8 N

HARRISON BAY (A-1) QUADRANGLE  
ALASKA  
1:63 360 SERIES (TOPOGRAPHIC)

150°00' 70°15'  
5 940 000  
FEET



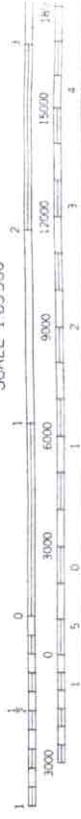
T.9 N  
5'  
T.8 N



Maped by the Army Map Service  
 Published for civil use by the Geological Survey  
 Control by US&GS and USCE

Topography by photogrammetric methods from aerial photographs  
 taken 1955, field annotated 1955. Map not field checked.  
 Selected hydrographic data compiled from US&GS  
 Charts 5470 and 5471 (1955). Tidal datum on

SCALE 1:63360



CONTOUR INTERVAL 50 FEET  
 DASHED LINES REPRESENT 25-FOOT CONTOURS  
 DATUM IS MEAN SEA LEVEL

HARRISON BAY A-2)

## Ott, Al

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**From:** 'Lmoulton1@aol.com'  
**To:** Ott, Al; 'joyce#m#\_michael\_r@msmail.aai.arco.com'  
**Subject:** Tarn Fish Survey Daily Report No. 3  
**Date:** Saturday, June 21, 1997 8:24PM

Tarn Project Fish Survey  
Daily Report No. 3  
for  
June 21, 1997  
by  
Lawrence Moulton  
MJM Research

June 21: Checked Miluveach River fyke nets at 11:10. Both were up and fishing fine.

Net 1 (facing upstream): 2 arctic grayling

Net 2 (facing downstream): 19 arctic grayling, 4 round whitefish, 2 Dolly Varden char.

-Grayling lengths ranged from 110 to 390 mm. Two in Net 1 and three in Net 2 were pre-spawning males (337-390 mm). No mature females were caught.

-Dolly Varden char were smolt-sized, 170 and 192 mm.

-Round whitefish were 265, 286, 288, and 380 mm.

Kachemach Fyke Net was checked at 15:40. Catch = 1 arctic grayling (104 mm). Two additional grayling were feeding in a small channel near shore, one around 150 mm, the other approx. 250 mm.

Seventeen seine hauls were made in the Miluveach River beginning at the fyke nets and ending just below the proposed bridge crossing (same area seined on June 19).

Catch: 17 arctic grayling (88-333 mm), 1 Dolly Varden char (170 mm), 3 round whitefish (203-258 mm).

On June 19, seining in this reach produced only 3 round whitefish.

Water parameters were measured at the Miluvech, Kachemach and the First Kachemach Trib.

Water temperature in the Miluveach has risen from 2.8 C on June 18 to 7.5 C on June 21; fish have obviously moved in strongly during this period.

Kachemach appears to be warmer, but also appears smaller, so may respond more rapidly to warm weather. A significant amount of water is still contained in the snow drifts at each each meander bend. The drifts remain up to 8 to 10 ft or more, thus should continue to maintain flows for awhile.

The water level in the Miluveach dropped about 1 inch since yesterday, Kachemach dropped about 2 inches.

Plan for June 22: Check Miluveach and Kachemach fyke nets, reset if necessary, seine in the First Kachemach Trib. Measure water parameters in

**Ott, Al**

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**From:** 'Lmoulton1@aol.com'  
**To:** Ott, Al; 'joyce#m#\_michael\_r@msmail.aai.arco.com'; Hemming, Carl  
**Subject:** Tarn Project Fish Survey Daily Report No  
**Date:** Monday, June 23, 1997 8:48PM

Original Subject:  
Tarn Project Fish Survey Daily Report No. 5

Tarn Project Fish Survey  
Daily Report No. 5  
for  
June 23, 1997  
by  
Lawrence Moulton  
MJM Research

June 23: Checked Miluveach River fyke nets at 09:50. Both were up and fishing fine.

Net 1 (facing upstream): 5 arctic grayling, 1 round whitefish (303 mm), 1

Dolly Varden char (180 mm)

Net 2 (facing downstream): 69 arctic grayling, 1 round whitefish (214 mm).

-Grayling lengths ranged from 65 to 381 mm, although only 3 exceeded 300 mm and 5 exceeded 200 mm. Pre-spawning males were again caught, but no females have been detected.

Kachemach Fyke Net was checked at 11:30. Catch = 8 arctic grayling (67-237 mm) and 1 round whitefish (349 mm).

The Second Tributary to the Kachemach (in the project area ) was surveyed visually beginning at GPS reading 70o10.53 150o21.26 and progressing downstream to the

mouth. The stream is a typical beaded stream with very deep beads, bottom was usually not visible. Seine is ineffective in this stream, will set a fyke net tomorrow. Visual survey detected fish in several pools between the beginning point and the stream mouth, most likely grayling. No barriers to fish movement were encountered.

Water parameters were measured at the Miluveach, Kachemach, First Kachemach Trib and Second Kachemach Trib.

Plan for June 24: Check Miluveach and Kachemach fyke nets, reset if necessary, set fyke net in the Second Kachemach Trib. Measure water parameters in all three drainages plus First Kachemach Trib.

Weather was cloudy all day with light drizzle, light westerly winds , temperatures in mid-50's.

**Ott, Al**

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**From:** 'Lmoulton1@aol.com'  
**To:** Ott, Al; Hemming, Carl; 'joyce#m#\_michael\_r@msmail.aai.arco.com'  
**Subject:** Tarn Project Fish Survey Daily Report No  
**Date:** Wednesday, July 16, 1997 9:29PM

**Original Subject:**  
Tarn Project Fish Survey Daily Report No. 14

Tarn Project Fish Survey  
Daily Report No. 14  
July 16, 1997  
by  
Lawrence Moulton  
MJM Research

Checked fyke nets at Kachemach Trib 1, Kachemach R and Miluveach R. Catch as

follows:

Miluveach R (@ 13:15): 2 Dolly Varden char (205 and 220 mm), 81 arctic grayling, 2 round whitefish (208, 212 mm). Grayling ranged from 70 to 263 mm, a good mix of sizes, no one size group especially dominant.

Kachemach R (@ 09:40): 85 arctic grayling, 1 round whitefish (264 mm).

Grayling ranged from 65 to 203 mm, with 61 less than 100 mm. Most of the rest were 120-150, with 3 around 200 mm.

Kachemach Trib 1 (@ 10:40): No catch. This is the set upstream from the upper falls.

The Kachemach Trib 1 net was pulled and moved to a Miluveach tributary. The tributary enters the Miluveach River in the northern portion of Section 13 of T10N R7E. The net is about 175 yds upstream of a large pond that is shown on the USGS 1:63,360 scale topo sheet. The GPS reading is 70°12.85' 150°15.98'.

Grayling fry were sampled from the Miluveach River. Lengths of 17 fry averaged 20.2 mm, with a range of 18-22 mm. Fry were not sampled in the other locations because of helicopter time constraints imposed by a tour. High winds also hindered visibility.

Water parameters were measured at the four stream sites near the fyke net locations.

Plan for July 17: Check nets, measure all fish caught. Survey the Miluveach Tributary from the fyke net to the Miluveach to assess potential for fish access and habitat use. Survey streams for grayling fry, obtain fry samples for lengths.

Sunny most of the day, with some scattered clouds. Temperatures in the low