13

FISH DISTRIBUTION DATABASE CATALOG/ATLAS
CORRECTION FORM

CORRECTION TO: Atlas X Catalog X

Region: ARC

Map: HARRISON BAY B-3, B-4

Water Body Number: See below

Describe Change(s): Change species from Wp (whitefish present) to

BCp in 330-00-10840-2118, 330-00-10840-2118-0010

330-00-10840-2118-0018, 330-00-10840-2118-0020, 330-00-10840-2118-0030

330-00-10840-2118-0040, 330-00-10840-2118-3033, 330-00-10840-2118-3033-0010

Change to 330-00-10840 made on separate nomination

Change Requested By: J. Johnson 5/29/2007 Date

Drafted/Digitized By: [signature] 5/20/06 Date

Revision Code: E-7

Nomination Number: CE-033

ATTACH THIS FORM TO EXISTING NOMINATION FORM

(Rev 05/07)

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

Nomination for Waters Important to Anadromous Fish

Region: ARCTIC

USGS Quad: Harrison Bay ~~A-2~~ B3

Anadromous Water Catalog Number of Waterway: 330-00-10840-~~####~~ 2019 (0010) 3012-4015 (0010)
10840 - 2118 (0010)(0020)

Name of Waterway: Lake MC7916 ☐ USGS Name ☑ Local Name

☑ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

Nomination #	03 218		
Revision Year:			
Revision to: Atlas ____ Catalog ____ Both X		Regional Supervisor	4-3-03 Date
Revision Code:	A-2	AWC Project Biologist	ZBMar03 Date
		Drafted	12/18/03 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Broad Whitefish	June-Sep 2001/2002		see below	see below	☑
Humpback Whitefish	Summer 2001		see below	see below	☑
					☐
					☐
					☐

ALASKA DEPT. OF FISH & GAME
APR 8 - 2003
REGION II
HABITAT AND RESTORATION DIVISION

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:

This nomination adds lake MC7916 and its contiguous tributray streams to the catalog. During 2001 fyke-net sampling identified numerous broad whitefish and humpback whitefish using lake MC7916. Six large adult broad whitefish from the lake were radio-tagged in June 2001. By the end of the study in August 2002, nine broad whitefish had been identified using the lake system. The three fish not tagged in the lake but relocated there, were tagged in the Ublutuoch River. Some fish tagged in the lake in 2001 returned to the lake the following summer in 2002, after wintering in other locations during winter 01/02. Radio-tagged broad whitefish were identified in other lakes connected to lake MC7916 as well. A lake immediately upstream was used and a lake just downstream and east of the lake was used. The lakes upstream also have been nominated as they are directly connected to the lake and data from the area (Morris 2003, Moulton 2000, 2002) suggest that connected lakes are used frquently by broad whitefish. Additionally, local elders from Nuiqsut have identified the system flowing into the lake from the south as fish bearing.

Name of Observer (please print): William Morris

Signature: [signature]

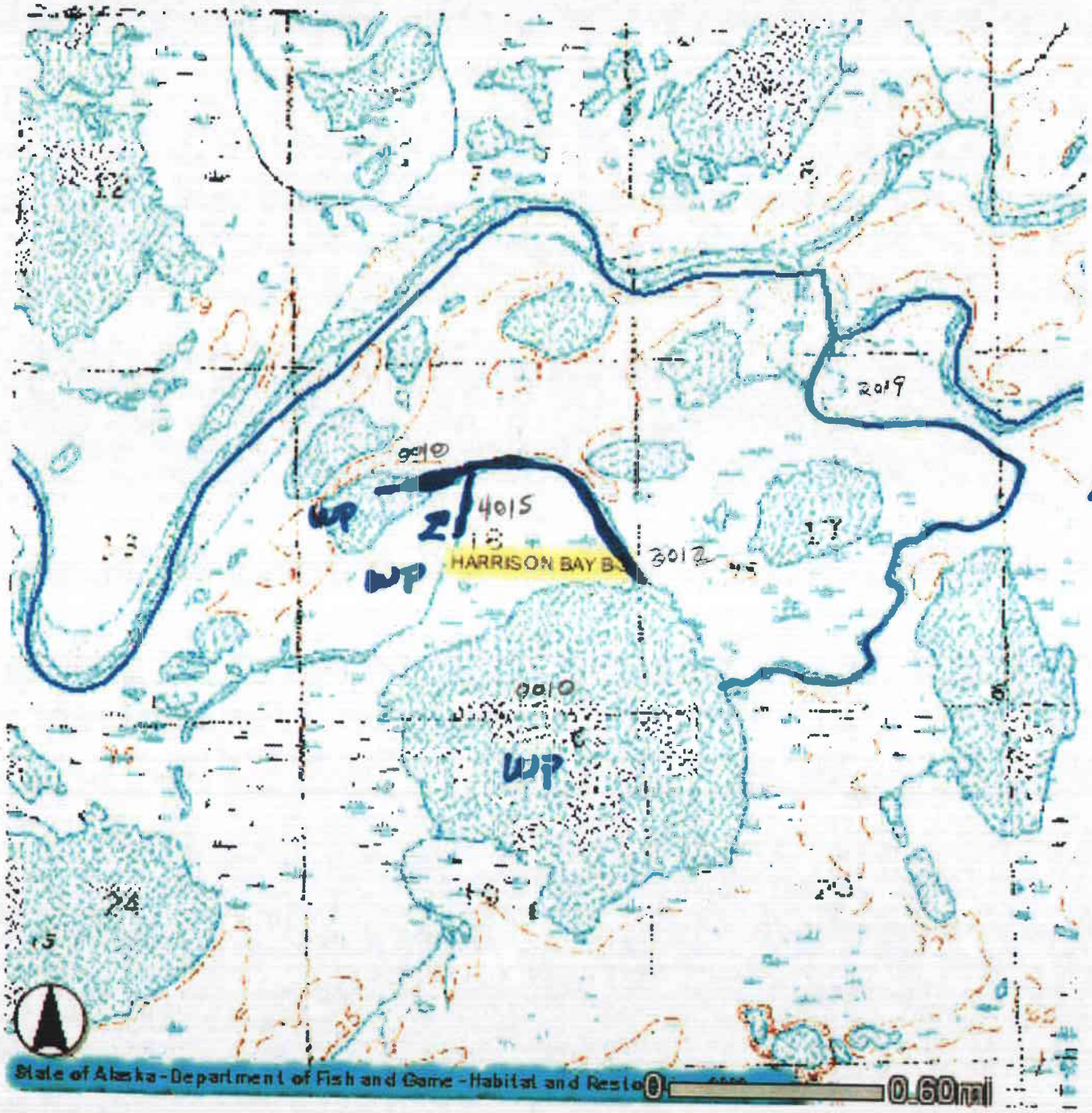
Address: 1300 College Rd
Fairbanks AK 99701

Date: 3/24/2003

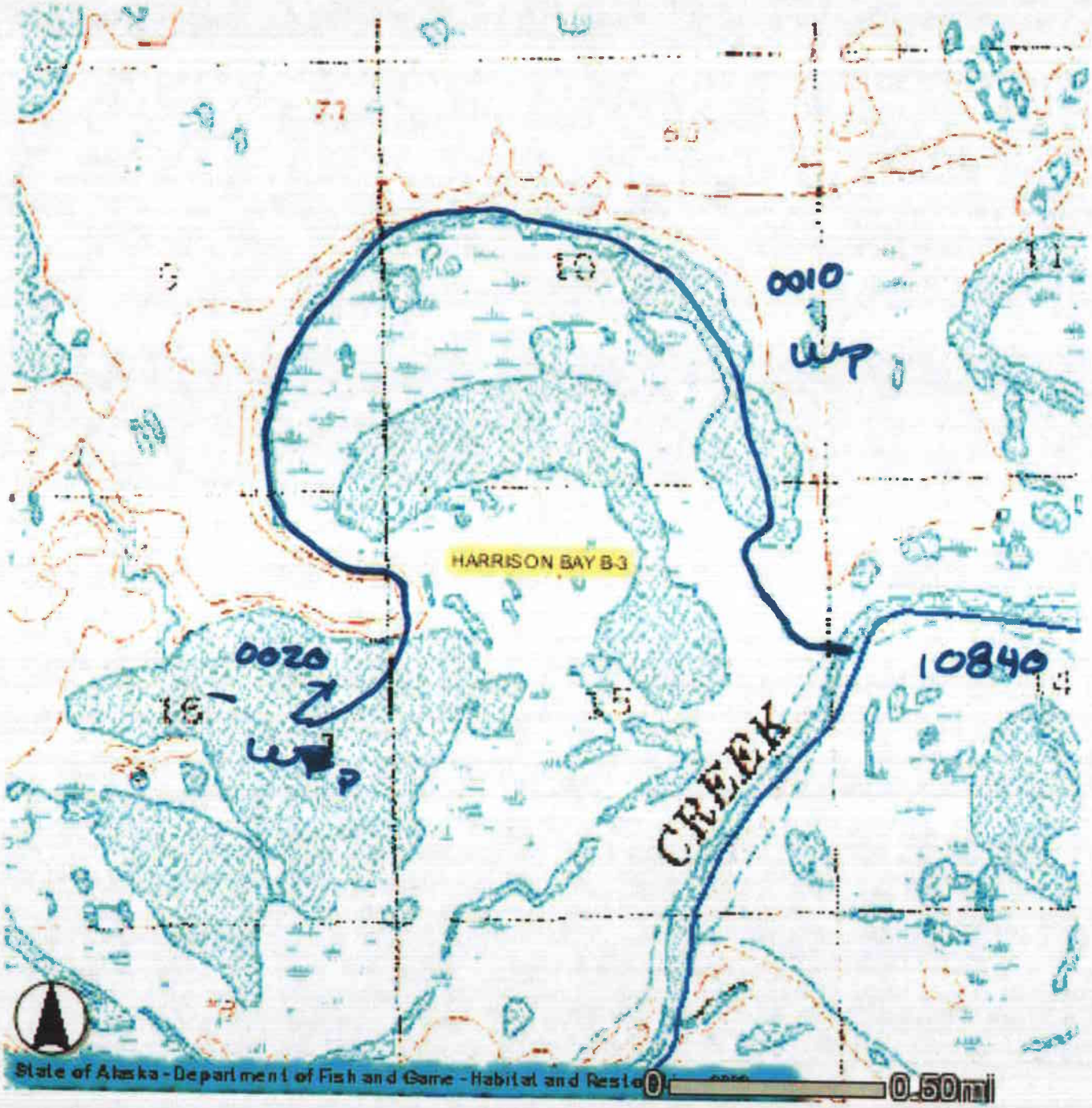
This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes per AS 16.05.870.

Signature of Area Biologist: John Burr [signature]

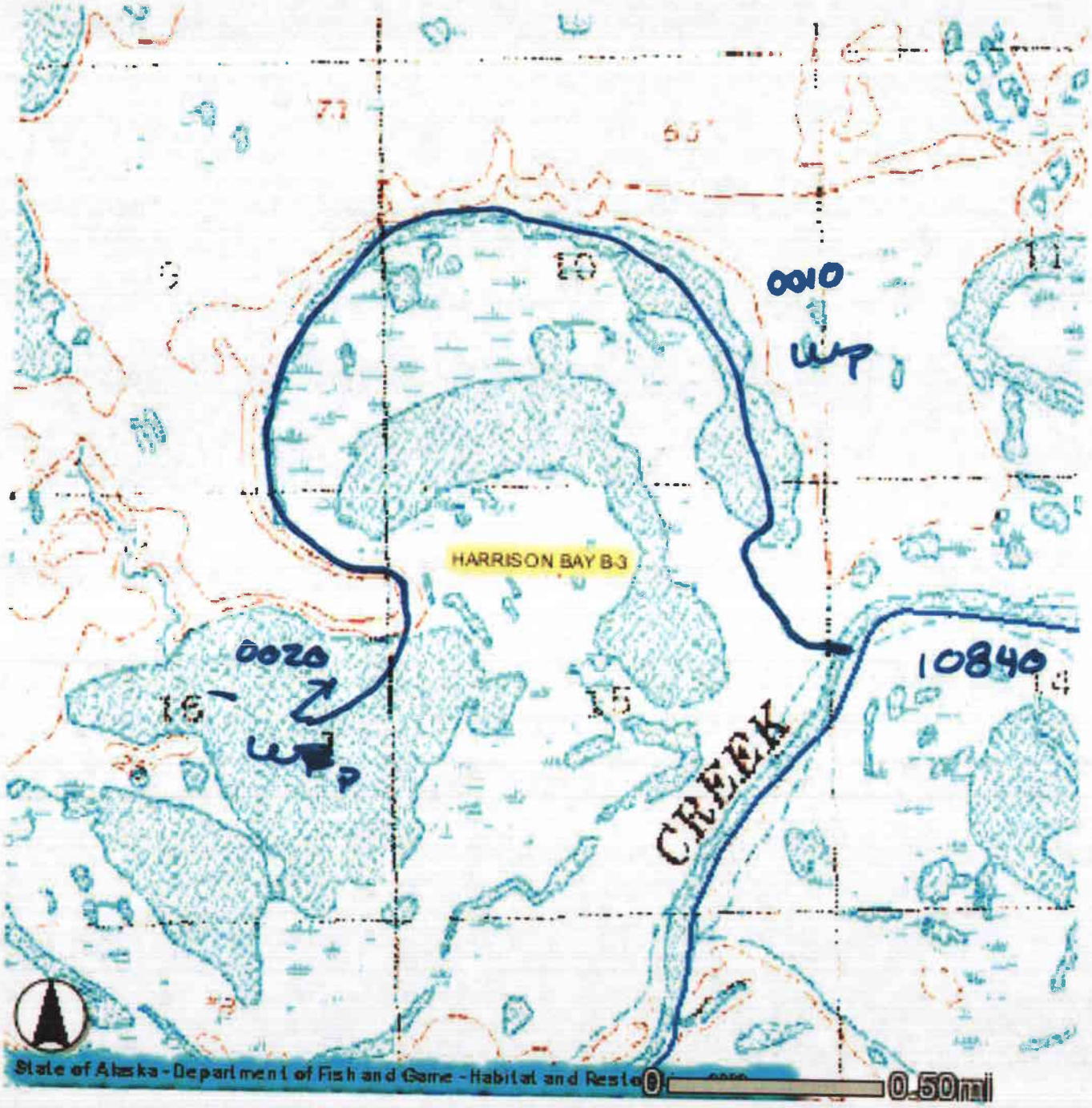
Revision 3/97



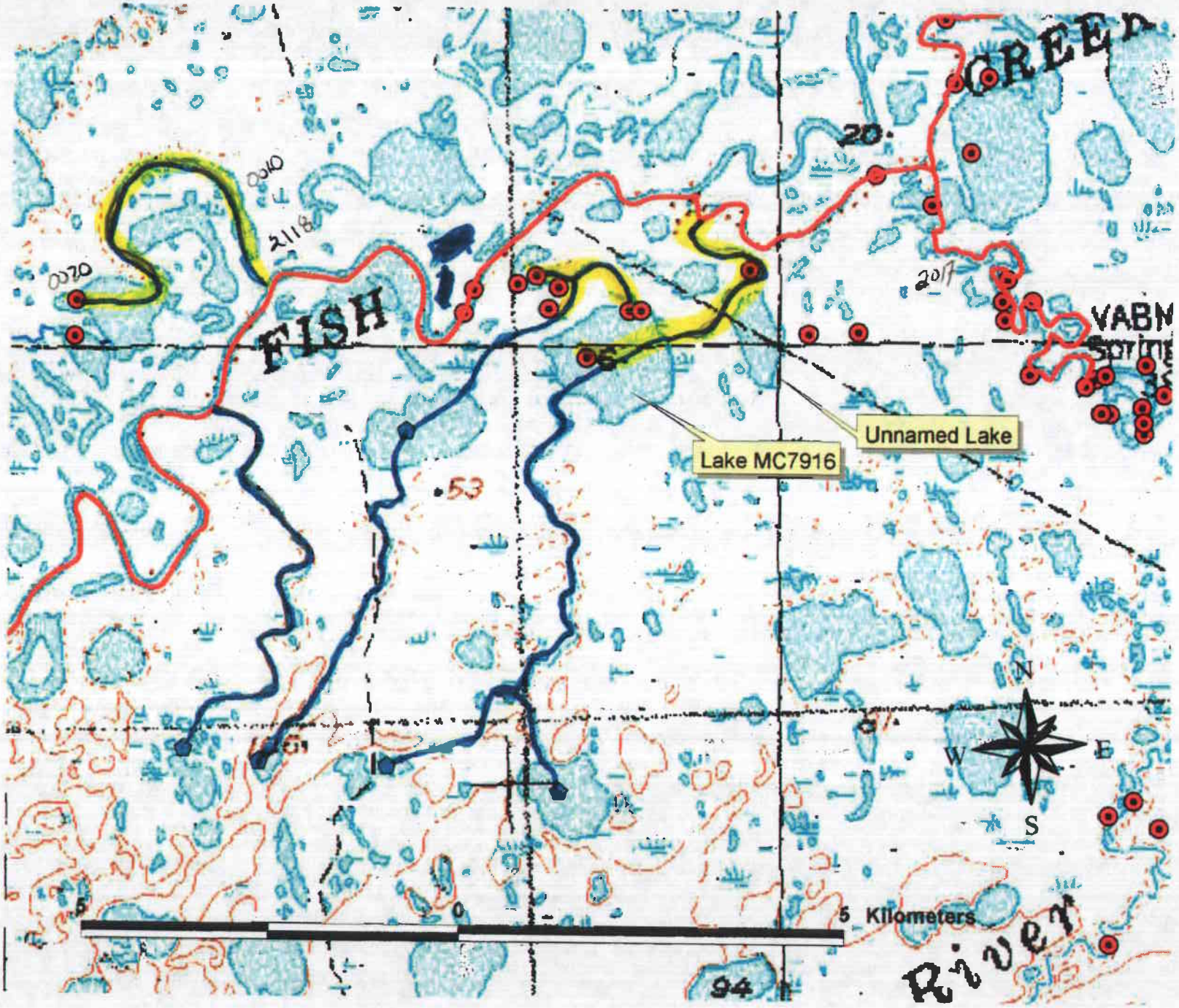
Add 530-00-10840-
2019 w/ WP
Add 2019-0010
w/WP
Add 2019-3012
w/WP
add 3012-4015
w/WP
add 3012-0010
w/WP



Add
330-00 -
10840-2118
w/wp
Add 2118-0010
w/wp
2118-0020 w/wp



Add
330-00 -
10840-2118
w/wp
Add 2118-0010
w/wp
2118-0020 w/wp



FISH
CREEK
Unnamed Lake
Lake MC7916
VABM
Spring
River
N
S
E
W
5 Kilometers
0
5
94
20
53
2118
2017
0020

State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Fish Distribution Database

RECEIVED
DEC 0 5 2003
STATE OF ALASKA
FISH & GAME

Region: Arctic

USGS Quad: Harrison Bay B4, B5 ~~B3~~

Fish Distribution Database Number of Waterway: 330-00-10840 ~~2032-3033 (0010)~~ 2118-0018 0030 0040

Name of Waterway: Fish Creek Tributary

☑ USGS Name ☑ Local Name

☑ Addition ☐ Deletion ☐ Correction ☐ Backup Information

~~2032-3033 (0010)~~ 330-00-10640-2118-3033-0010

For Office Use

Nomination #	04 096		
Revision Year:	2005		
Revision to:	Atlas ____ Catalog ____ Both X	Fisheries Scientist	9/21/04 Date
Revision Code:	A2, A-1	FDD Project Biologist	11/17/03 Date
		Drafted	11/9/04 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Broad Whitefish	8/15 and 6/25 2002			See Below	☑
					☐
					☐
					☐
					☐

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:

This tributary to Fish Creek is nominated based on relocation of two radio-tagged, anadromous, broad whitefish that moved into the tributary during Spring 2002. The two fish spent the summer in the tributary and likley wintered during winter 02/03. Red circles on the attached map indicate relocation sites while blue pentagons illustrate lakes nominated based on their direct connections to lakes and streams used with in the tributary. Years of fyke-net data and two years of telemetry data clearly indcate that connected lakes withiin this area are used heavily by anadromous broad whitefish (Morris 2003, Moulton 2000, 2002).

Extend 330-00-10640-2118 add up to lakes along stream

Name of Observer (please print): William Morris

Signature:

Address: 1300 College Road
Fairbanks, AK 99701

Date: 11/28/2003

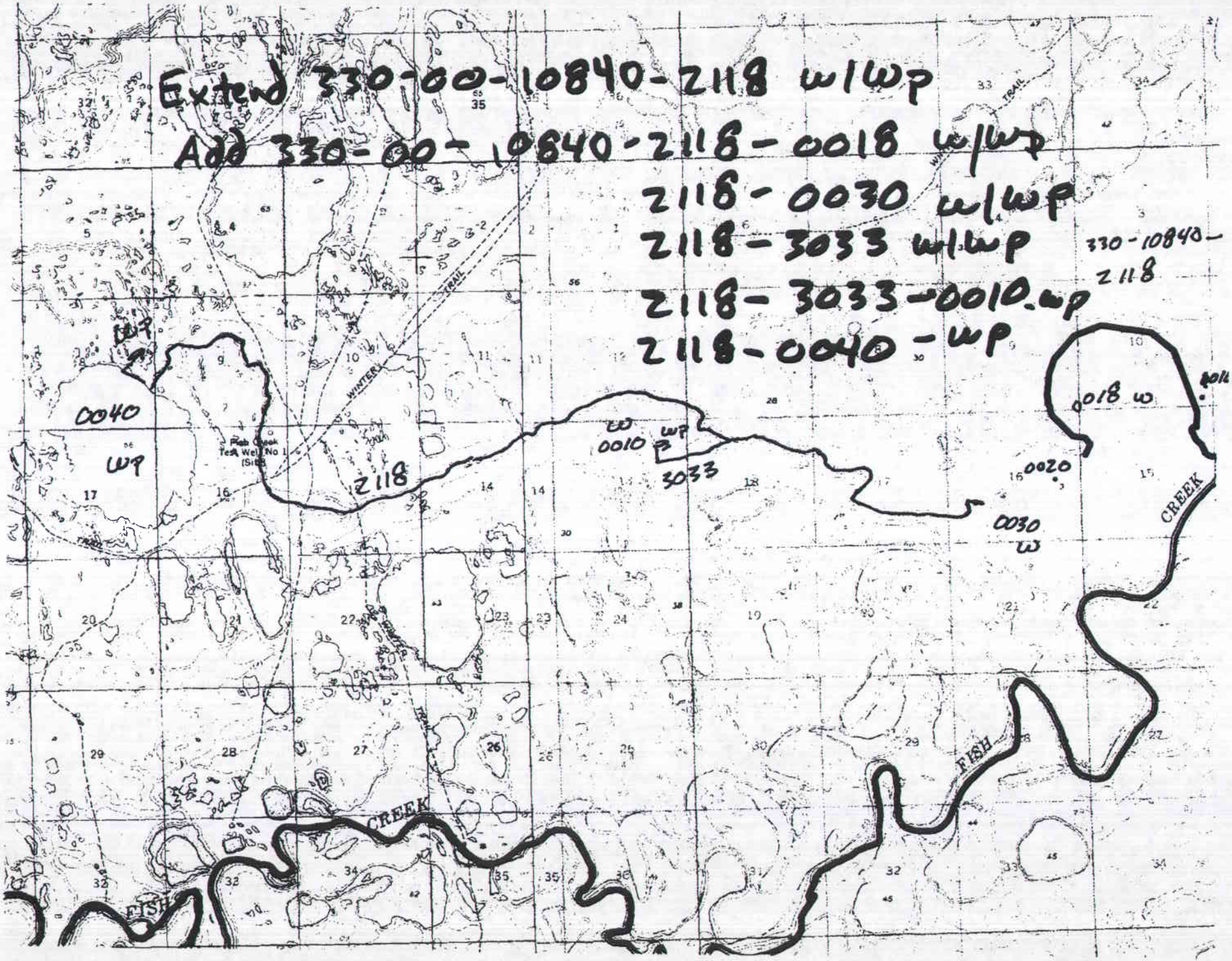
~~456-7282~~ 459-7282

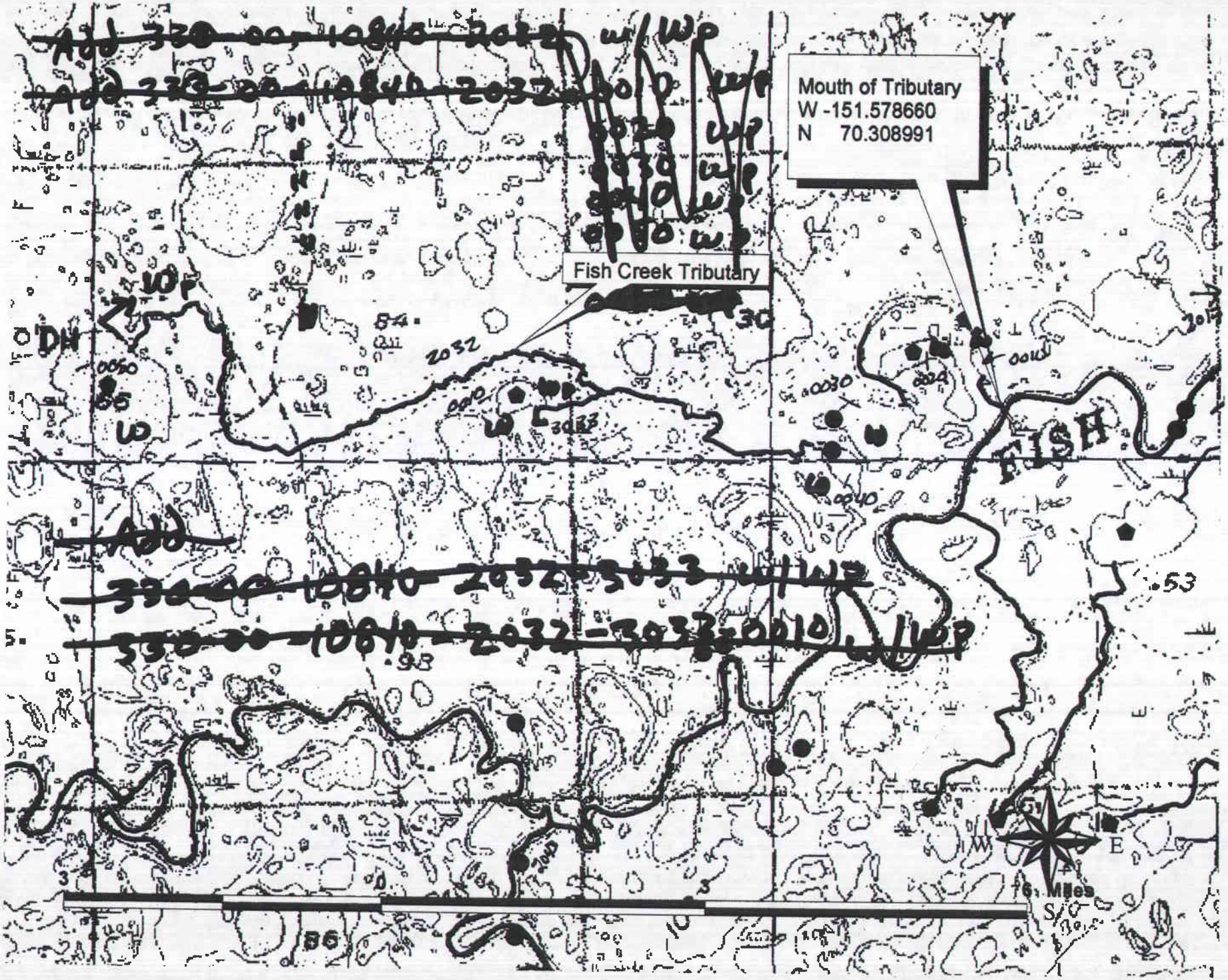
This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Fish Distribution Database.

Signature of Area Biologist:

Name of Area Biologist (please print): John Burr

Revision 04/03


Extend 330-00-10840-2118 w/wp
Add 330-00-10840-2118-0018 w/wp
2118-0030 w/wp
2118-3033 w/wp
2118-3033-0010.wp
2118-0040-wp
330-10840-2118
0040
wp
2118
w
0010
wp
3033
0018 w
0020
0030
w
WINTER
TRAIL
CREEK
FISH


Mouth of Tributary
W -151.578660
N 70.308991
Fish Creek Tributary
FISH
Miles

Burbot

Burbot within the study group used the Fish Creek, Judy Creek, Inigok Creek and Ublutuoch River systems but used tributary streams and lakes less frequently than Arctic grayling (Figure 16). However, burbot readily moved long distances within the main channel habitats of Inigok Creek, Fish Creek, Judy Creek and one small meandering tributary of Judy Creek. Burbot also used the lower several kilometers of the Ublutuoch River within the lowest gradient reach of the system; habitats upstream from the deepest portion of the Ublutuoch River were not used by burbot (Figure 16). Burbot were relocated as far upstream in Inigok Creek as 30 km from the mouth; however, the majority of relocations for burbot occurred within the lower 10 km of Judy Creek and the 40 km stretch of Fish Creek upstream from the mouth of the Ublutuoch River. Burbot were relocated in a small tributary of Judy Creek, roughly 35 km upstream from its confluence with Judy Creek, in both 2001 and 2002 (Figure 16).

Burbot relocation rates were reasonably high throughout the study and although each fish was not relocated during each tracking event, all burbot were relocated during at least one tracking event after break-up 2002. Most notable from the burbot tracking conducted during 2001/2002 were the expansive movements throughout the systems. Burbot 1352 remained in the same 10 km stretch of Fish Creek, upstream from Judy Creek, from the time it was tagged in August 2001 through late-June 2002. By mid-August 2002, the fish was 25 km farther upstream in Fish Creek from its June location. This fish represents the most sedentary burbot of the eight tagged. Some fish made extensive movements up nearby drainages. Burbot 1326, for example, was relocated 30 km upstream in Inigok Creek in June 2002. Upon its last relocation in late-September 2001 the fish was downstream 10 km from Judy Creek in Fish Creek. This fish moved minimally 100 km between freeze-up 2001 and mid-June 2002. The first burbot tagged in the study (Burbot 0176) on 27 June 2001, moved several kilometers upstream in Judy Creek and by 20 September 2001 was over 35 km upstream in a small tributary to Judy Creek. Late-November radio-tracking relocated the same burbot some 70 km away in the lower Ublutuoch River. By mid-August 2002 the fish had moved upstream of Judy Creek in Fish Creek, another 30 km movement from its November 2001 location. Burbot 1380 exhibited similar movements up the same small Judy Creek tributary during summer 2002, moving minimally 30 to 40 km between

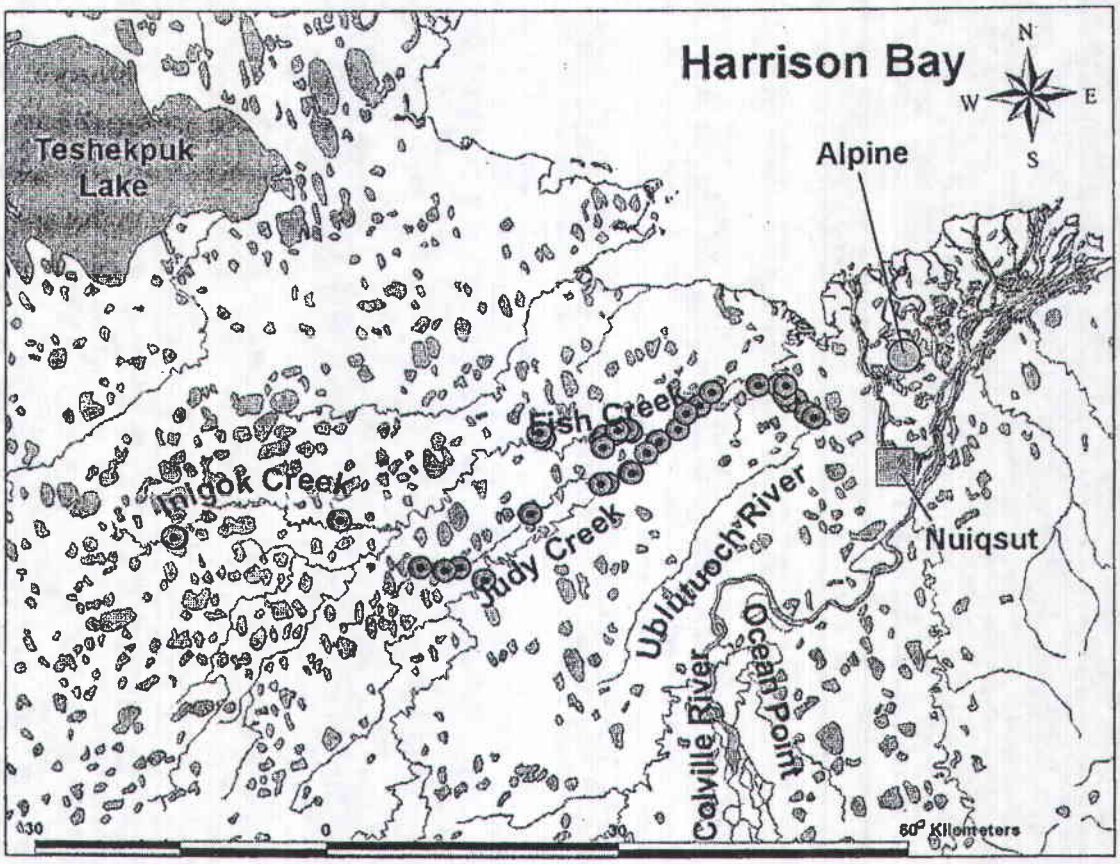


Figure 16. Map of all burbot relocations from June 2001 through June August 2002. The map illustrates the geographic areas and the extent of system use by the tagged population of burbot in the study program.

relocations in summer 2002. While no burbot were outfitted with transmitters in the Ublutuoch River, four of the eight radio-tagged burbot used the Ublutuoch River during the study. Complete movements histories are provided for each fish in Appendix III.

Broad Whitefish

Broad whitefish within the study group exhibited the most diverse movement patterns, readily using main channel habitats, small off-channel systems and numerous lakes within the study area (Figure 17). Broad whitefish movements within the Fish Creek/Judy Creek complex exhibited similar movements to radio-tagged burbot and Arctic grayling and upstream relocation extremes were nearly identical. The majority of broad whitefish relocations occurred within the lower 15 km of the Ublutuoch River and that portion of Fish Creek upstream from the Ublutuoch River

State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Fish Distribution Database

Region: Arctic

USGS Quad: Teshekpuk Lake A1, B1; Harrison Bay B4, B5

Fish Distribution Database Number of Waterway: 330 -00- 10850- XXX 2210 - 0010 0020

Name of Waterway: Kalikpik River (West Fork) ☑ USGS Name ☐ Local Name 0030

☑ Addition ☐ Deletion ☐ Correction ☐ Backup Information 0040

For Office Use

Nomination #: 04-100		Fisheries Scientist	11/21/04 Date
Revision Year: 2005			
Revision to: Atlas ____ Catalog ____ Both X		FDD Project Biologist	7 Jan 04 Date
Revision Code: A-1/A-2		Drafted	11/8/04 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Broad Whitefish	1981 (Bendock and Burr 1984)			See Below	☑
Broad Whitefish	Netsch (1977), Hablett (1980)			See Below	☑
Broad Whitefish	Moulton (2002)			See Below	☑
					☐
					☐

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:

The Kalikpik River (West Fork) is nominated from the upper boundary of catalogged anadromy (red creek channel) to the farthest connected upstream lakes in the Pik Dunes area. The general area of interest is outlined in black on the attached map. All lakes sampled for fish connected to the West Fork of the Kalikpik River have been identified to contain anadromous broad whitefish. The channels nominated are in blue, lakes nominated are denoted by red circles (sampled lakes) or blue polygons (inference). Blue polygon labeled lakes and associated channels are all directly connected to portions of the system with documented use or are passed through by fish when moving to upper areas with documented use. Most lakes sampled associated with the West Fork also support, lake trout and various whitefishes.

Add new streams & lakes w/ WP
Extend Kalikpik R.

Name of Observer (please print): William Morris

Signature: [signature]

Date: 11/28/2003

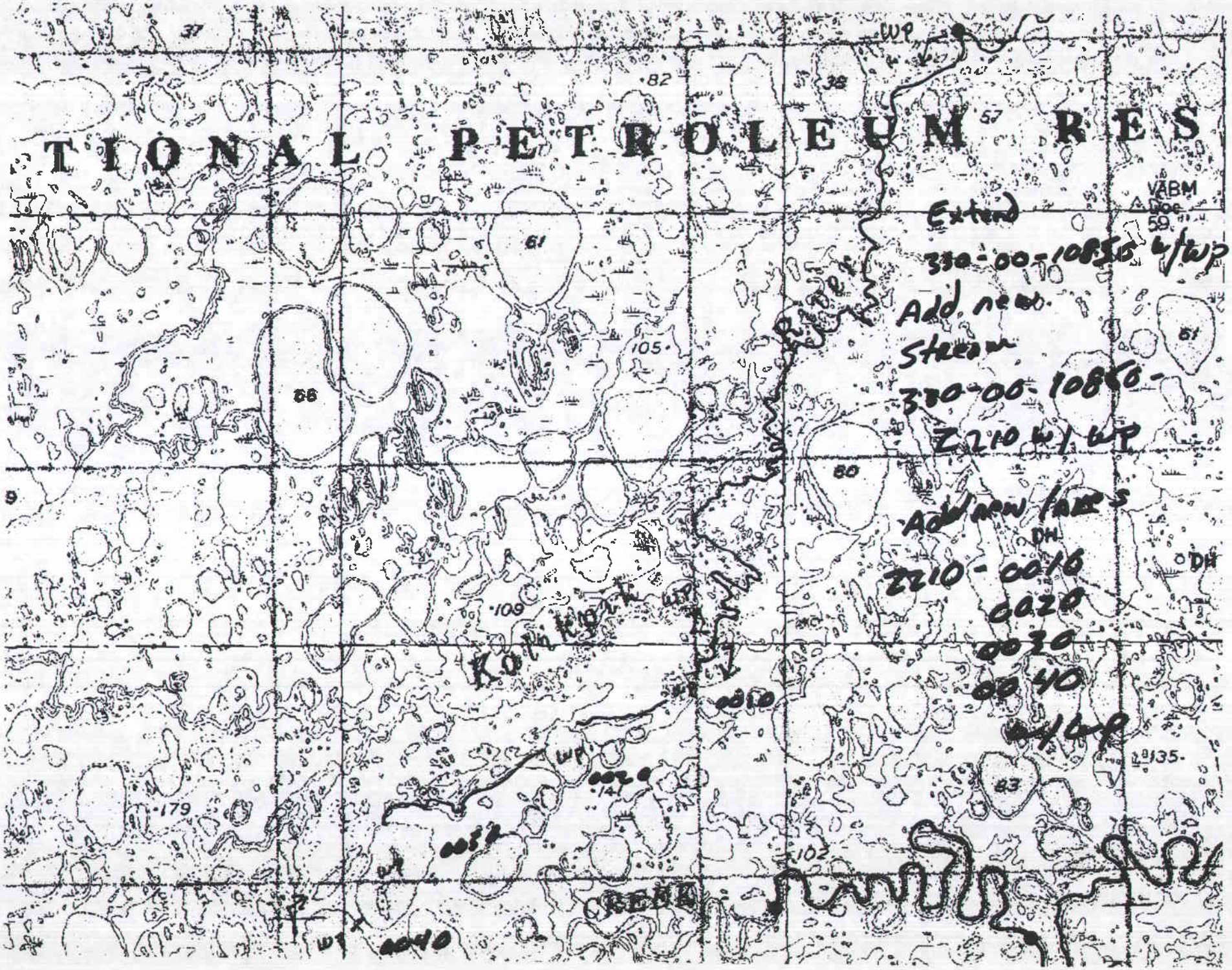
Address: 1300 College Road
Fairbanks, AK 99701

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 Fish Distribution Database.

Signature of Area Biologist: [signature]

Name of Area Biologist (please print): John Burr

Revision 04/03


TIONAL PETROLEUM RES
Extend
330-00-10850 w/WP
Add new
Stream
330-00-10850-
Z210 w/ WP
Add new lakes
Z210-0010
0020
0030
0040
w/WP
Kolikpik
CREEK
VABM
DH
WP
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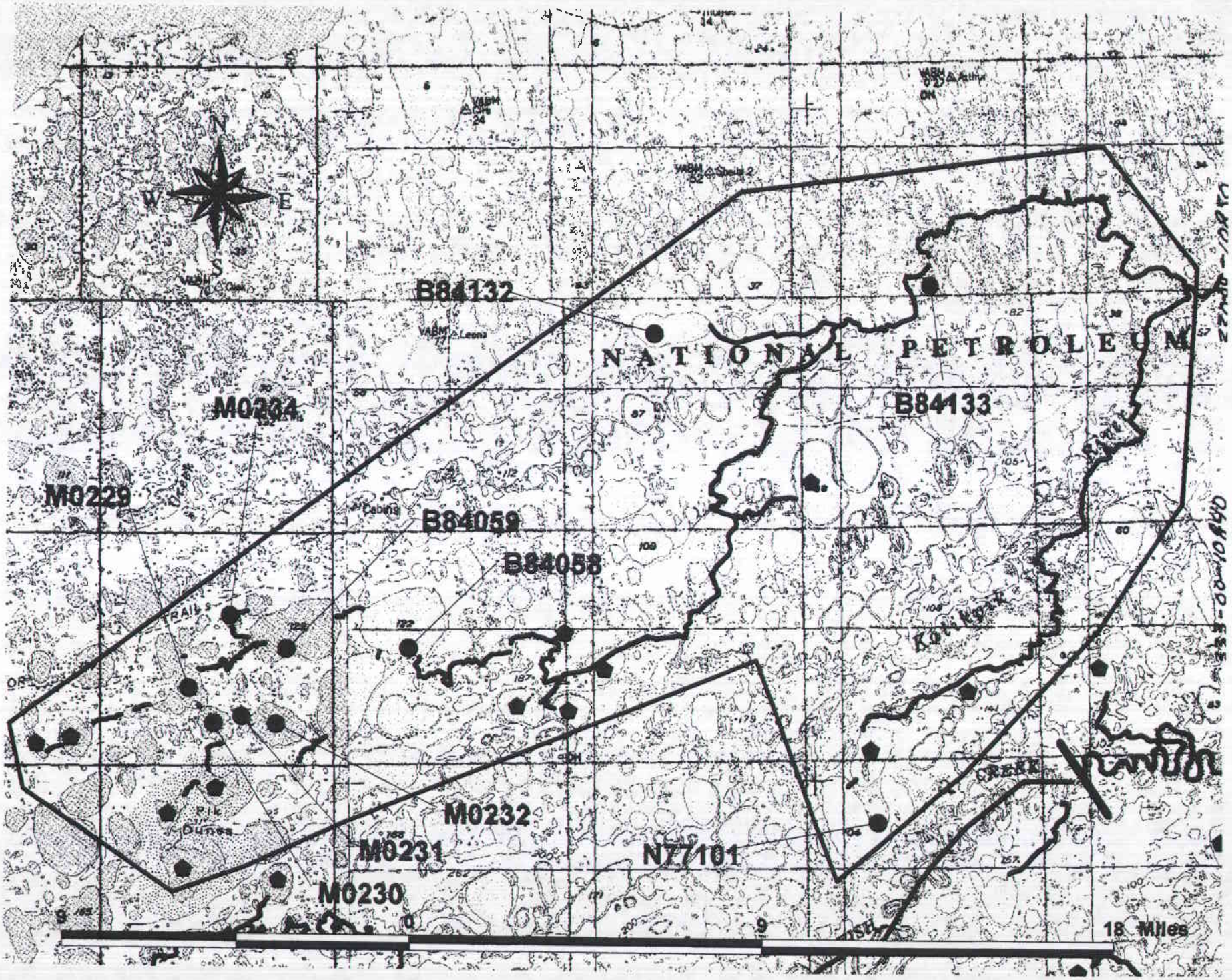
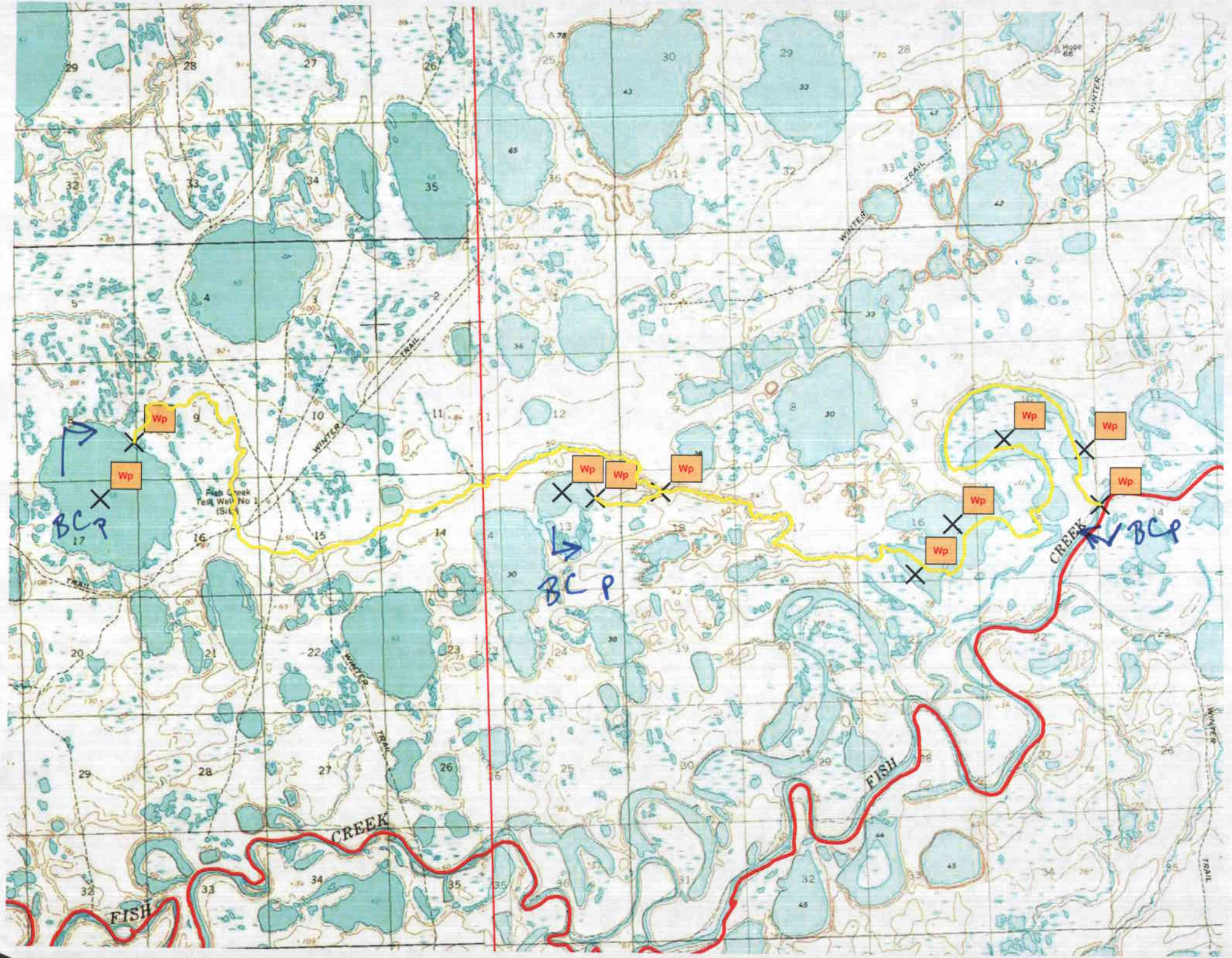
82
38
57
61
105
66
80
109
179
141
102
83
135
0010
0020
0030
0040


N
W
E
S
B84132
NATIONAL PETROLEUM
M0234
B84133
M0229
B84059
B84058
M0232
M0231
NZ7101
M0230
18 Miles


Wp
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BCP
BCP
BCP
WINTER TRAIL
WINTER TRAIL
WINTER TRAIL
WINTER TRAIL
WINTER TRAIL
FISH CREEK
FISH CREEK
Fish Creek Test Well No 1 (Sit)