



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

Nomination Form  
Anadromous Waters Catalog & Atlas

Region: Arctic

USGS Quad(s): Harrison Bay A-4

Nomination proposes the following revisions:  
(check all that apply)

☐ Addition

☐ Correction

☒ Deletion

☐ Supporting Information

AWC Number of Water Body: 330-00-10840-2043-3213 & 330-00-10840-2043-3213-0010  
(if known)

Name of Water Body: Swale 2 and Pond in Swale 2  
(if known)

☐ Official USGS  
Name

☒ \*Local or  
Unofficial Name

For Official Use Only

Nomination #: 24-007

Revision Year: 2025

Revision(s) to: Atlas ☐ Both ☒ Catalog ☐

Revision Code(s): D-2, E-7

Adam Rem  
Fisheries Scientist  
Date 10-2-2024  
Ron Bengtson  
Habitat F&G Coordinator  
Date 10/2/2024  
Joseph Luper  
AWC Project Biologist  
Date 18 Sept 2024  
P. L.  
GIS Analyst  
Date 10/2/2024

For fish observations, please provide the upper most point (Lat/Long) where any two individuals of observed species & life stage were documented. Please use Decimal Degree's with a minimum of 5 decimal places. Please see Supplemental Information Form if you need more room for species observation data and comments.

Species	Date Observed	Latitude	Longitude	Anadromous	Adult Presence	Spawning	Rearing
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

~DELETE existing AWC Stream #330-00-10840-2043-3213 and corresponding upper and lower stream points.

~DELETE existing AWC Lake #330-00-10840-2043-3213-0010 feature and point.

\*\* Nom #16-004 should of deleted entire system comprised of existing AWC Stream #330-00-10840-2043-3213 and two AWC Lakes -0010 & -0020. However only AWC Lake -0020 was removed. Systems inclusion in AWC was entirely based on one Nom/Observation that was discovered to be incorrect.

Anadromous fish do not appear to use either waterbody and the original nomination for Lake M0014 (referenced in below ADF&G deletion nomination) was made in error. Lake M0014, was the sole basis for adding the creek to the AWC. Anadromous fish use has never been documented in any portion of this creek and it should be removed from the AWC. Lake M0014, was first sampled in 2000 and no fish were documented. Owl Ridge Natural Resource Consultants more recently sampled within this drainage at the headwater lake (Lake M0014) in 2015 and conducted seine net sampling within the creek in 2019 and 2020 (Site SW2 in attached table). In 2015, ninespine stickleback were captured in the lake, and 6 total ninespine stickleback were captured in the creek at Site SW2 in 2019 and 2020 combined. A nomination to delete lake M0014 from the catalog was submitted in 2016 and did result in Lake M0014 being removed, but not in the removal of the stream that was included in the AWC based on the original inclusion of the lake. Attached to this nomination form are the ADF&G 2016 deletion nomination and data collected by Owl Ridge Natural Resource Consultants in 2015, 2019, and 2020, clearly documenting that no anadromous fish have been captured or observed in the stream.

Correction to species attributes. Remove species/life-phase "Wp" from existing AWC Stream #330-00-10840-2043 "Judy Creek".

Observers Signature: [Signature]

6/7/24

Observer Name: William Morris  
(Please Print)

Date

For Official Use Only

Agency or Organization: Owl Ridge Natural Resource Consultants, Inc.

Signature of Area Biologist

Date

Address: 2311 Sheldon Ave, Suite A

Fairbanks, AK 99701

Name of Area Biologist (Please Print):



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

Nomination Form  
Anadromous Waters Catalog

Region

III ARC

USGS Quad(s)

Harrison Bay A-4

AWC Number of Water Body

330-00-10840-2043-3213-0020

Name of Water body

Lake M0014

☐

USGS Name

☒

Local Name

☐

Addition

☒

Deletion

☐

Correction

☐

Backup Information

For Office Use

Nomination #

160004

Revision Year:

2017

Revision to:

Atlas

Catalog

Both

X

Revision Code:

D-2

James J. Hasbrouck

Fisheries Scientist

6/8/2016

Date

Kate Harph

Habitat Operations Manager

6/8/16

Date

T.A.

AWC Project Biologist

7/5/16

Date

GIS Analyst

Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Ninespine Stickleback	8/12/15				<input type="checkbox"/>
					<input type="checkbox"/>
	delete lake from AWC				<input 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

Upon re-examination of the data it does not appear that anadromous fish use this waterbody. Bill Morris looked back through his data and did not find any relocations from his telemetry projects in the lake or outlet channel. This lake was first surveyed by MJM Research in 2000, during that time no fish were captured. In 2015 this lake was again surveyed by Owl Ridge Natural Resource Consultants in August 2015, and 14 ninespine stickleback were captured. Attached with this nomination is a report from Owl Ridge that provides lake data.

Name of Observer (please print):

Heather Scannell

Signature:

Heather Scannell

Date: 10/30/15

Agency:

ADF&G, Division of Habitat

Address:

1300 College Rd.

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 Anadromous Waters Catalog.

Signature of Area Biologist:

B. Scanlon

Date: 10-30-15

Name of Area Biologist (please print):

BRENDAN SCANLON

ALASKA DEPT. OF  
FISH & GAME

NOV 03 2015  
Revision 11/13

**Lake M0014**

**Other Names:** None Known  
**Location:** 70.11868°N 152.06278°W  
**USGS Quad Sheet:** Harrison Bay A-4: T9N R1W, Sec. 23  
**Habitat:** Tundra Lake  
**Area:** 118 acres  
**Maximum Depth:** 7.2 feet in 2015  
**Active Outlet:** No  
**Total Lake Volume:** 158.79 million gallons (August 12, 2015 data)  
**Volume Under 4 ft of Ice:** 28.97 million gallons  
**Volume Under 5 ft of Ice:** 8.76 million gallons  
**Volume Under 7 ft of Ice:** 0.014 million gallons  
  
**Potential Ice Aggregate:** 37.59 acres (water depth 4 ft or less)  
11.15 million gallons

**Maximum Recommended Winter Removal:** 2.63 million gallons  
(30% of water volume under 5 ft of ice)  
(Resistant species present)

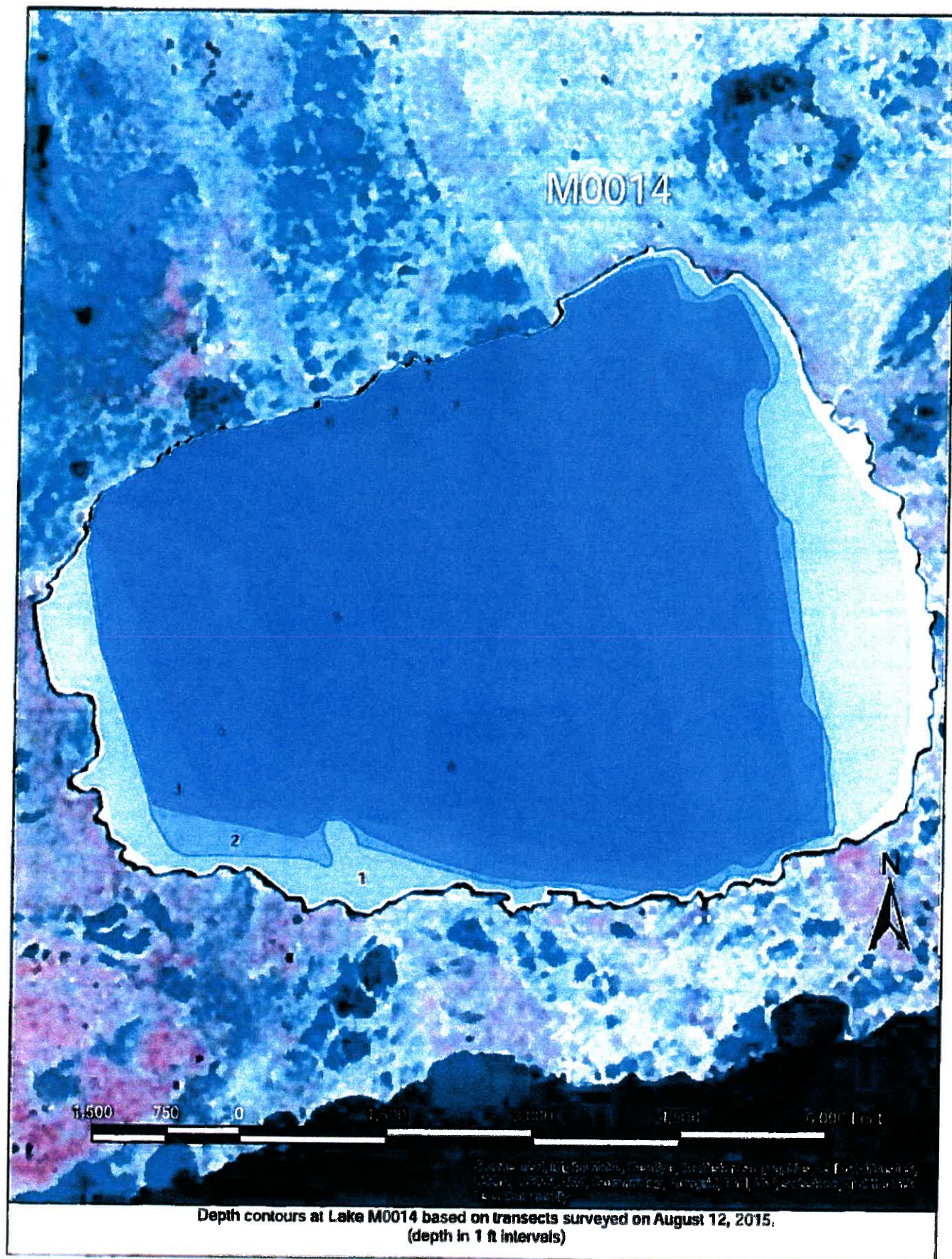
**Water Chemistry:**

Year of Test	Calcium (mg/l)	Magnesium (mg/l)	Sodium (mg/l)	Chloride (mg/l)	Total Hardness [CaCO <sub>3</sub> ] (mg/l)	Specific Conductance (microS/cm)	Turbidity (NTU)	pH	Source
2000	21.8	4.2	9.8	24.7	71.5	197	--	7.79	L. Moulton
2015	pending					173	1.5	7.91	B. Morris

**Catch Record:**

Gear	Date	Effort (hours)	Species	Number Caught
Gill Net	Jul 21 00	14.3	none	0
	Aug 12 15	8.9	none	0
Minnow Traps	Jul 21 00	15.3	none	0
Seine	Aug 12 15	2 hauls	none	0
Visual +Dipnet	Aug 12 15	150 yds	Ninespine stickleback	14









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

Nomination for Waters  
Important to Anadromous Fish

147

Region : ARCTIC

USGS Quad

Harrison Bay A-4, A-5

Anadromous Water Catalog Number of Waterway

330-00-10840-2043

3204 (0000, 3070)

Name of Waterway

Judy Creek Tributary

☐ USGS Name

☐ Local Name

☒ Addition

☐ Deletion

☐ Correction

☐ Backup Information

For Office Use

Nomination #

03 217

Revision Year:

Revision to:

Atlas

Catalog

Both

X

Revision Code:

A-2

Regional Supervisor

Date

AWC Project Biologist

Date

Drafted

Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Broad Whitefish	2002/1984		See Below	See Below	<input type="checkbox"/>
Humpback whitefish	1984		See Below	See Below	<input checked="" type="checkbox"/>
					<input 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:** This nomination adds a large tributary of Judy Creek and all connected lakes to the catalog. Lakes with circles represent fish in hand data, lakes with polygons are added by inference. Polygon labeled lakes all have direct connections to the Judy Creek tributary. The upstream most lake sampled (red circle) was sampled by Bendock and Burr in 1984, anadromous whitefish (humpback and broad whitefish) were captured. The lake labeled with a red circle just downstream in the system contained a radio-tagged broad whitefish in 2002. Lakes between the upper most sampled lake and the confluence of the tributary with Judy Creek are all connected to the system and likely receive use by broad whitefish. Lakes upstream from the upper-most lake sampled similarly are all connected to the tributary and have a high likelihood of being used by broad and humpback whitefish. Results from our telemetry project with broad whitefish in the area and fyke-net work by MJM Research suggest that these types of systems and lakes are targeted by broad whitefish and that connected lakes are used by heavily during summer (Morns 2003, Moulton 2000, Moulton 2002).

Name of Observer (please print):

William Morris

Signature:

Address:

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.

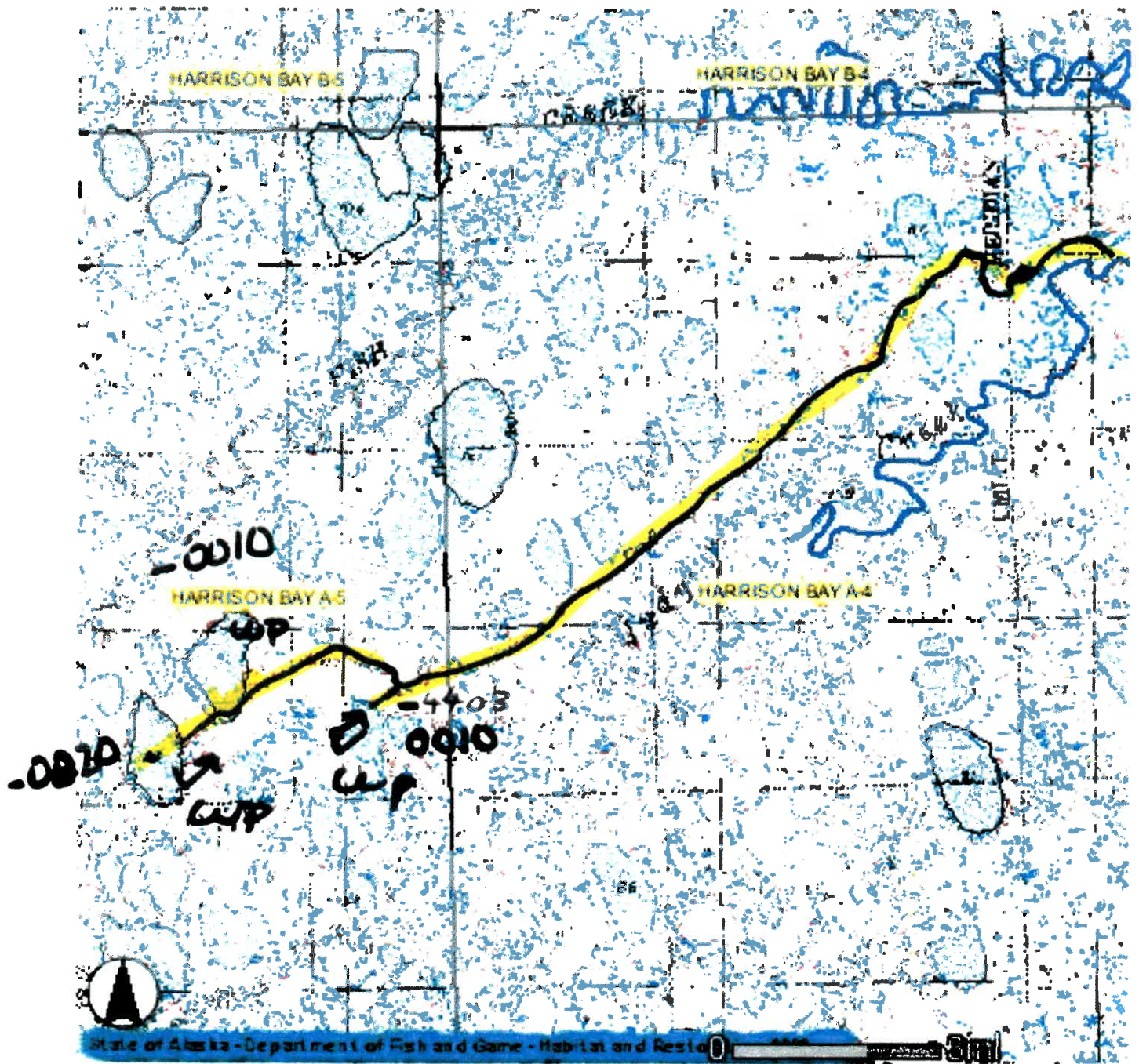
Signature of Area Biologist

Revision 3/97



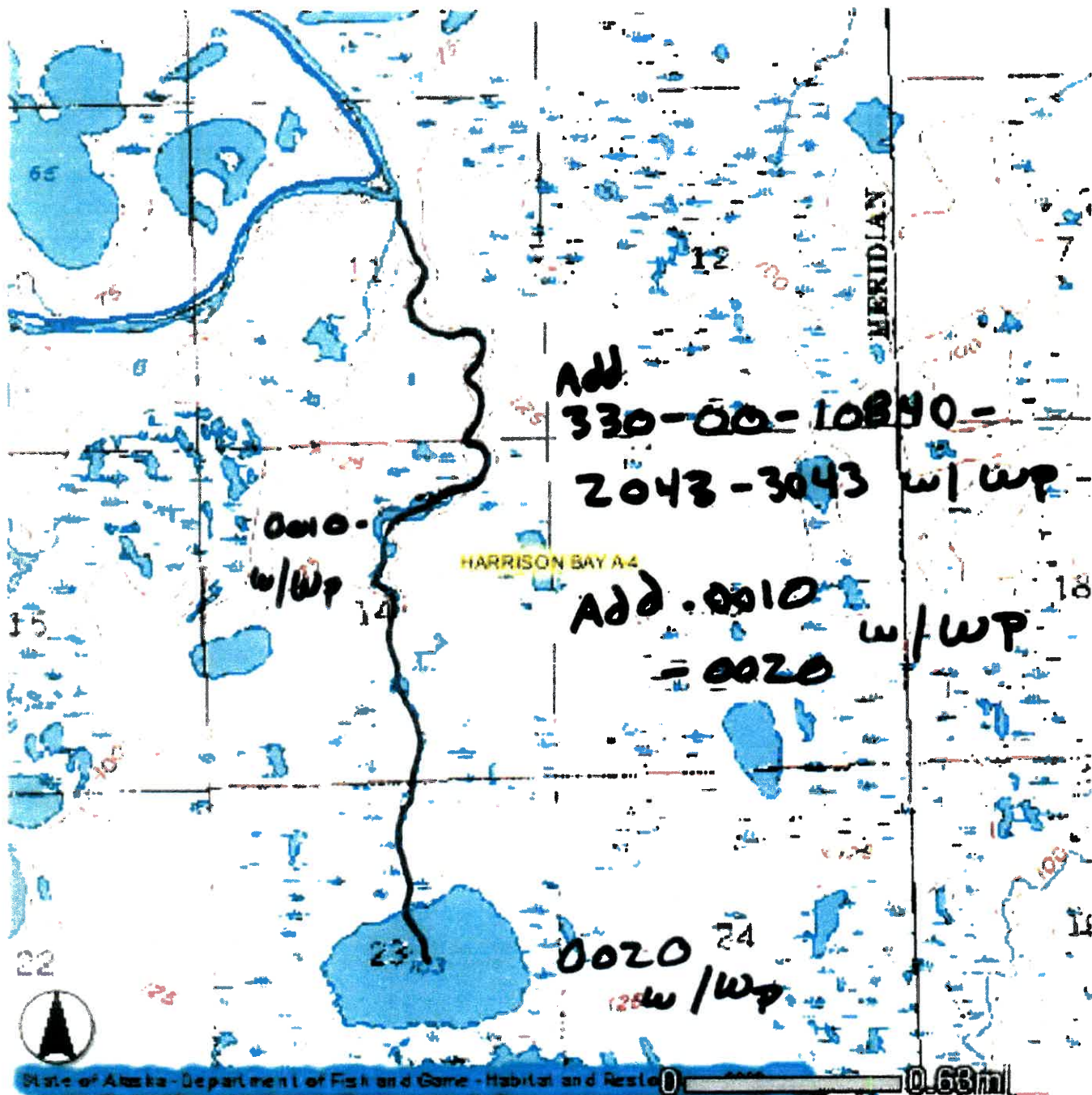




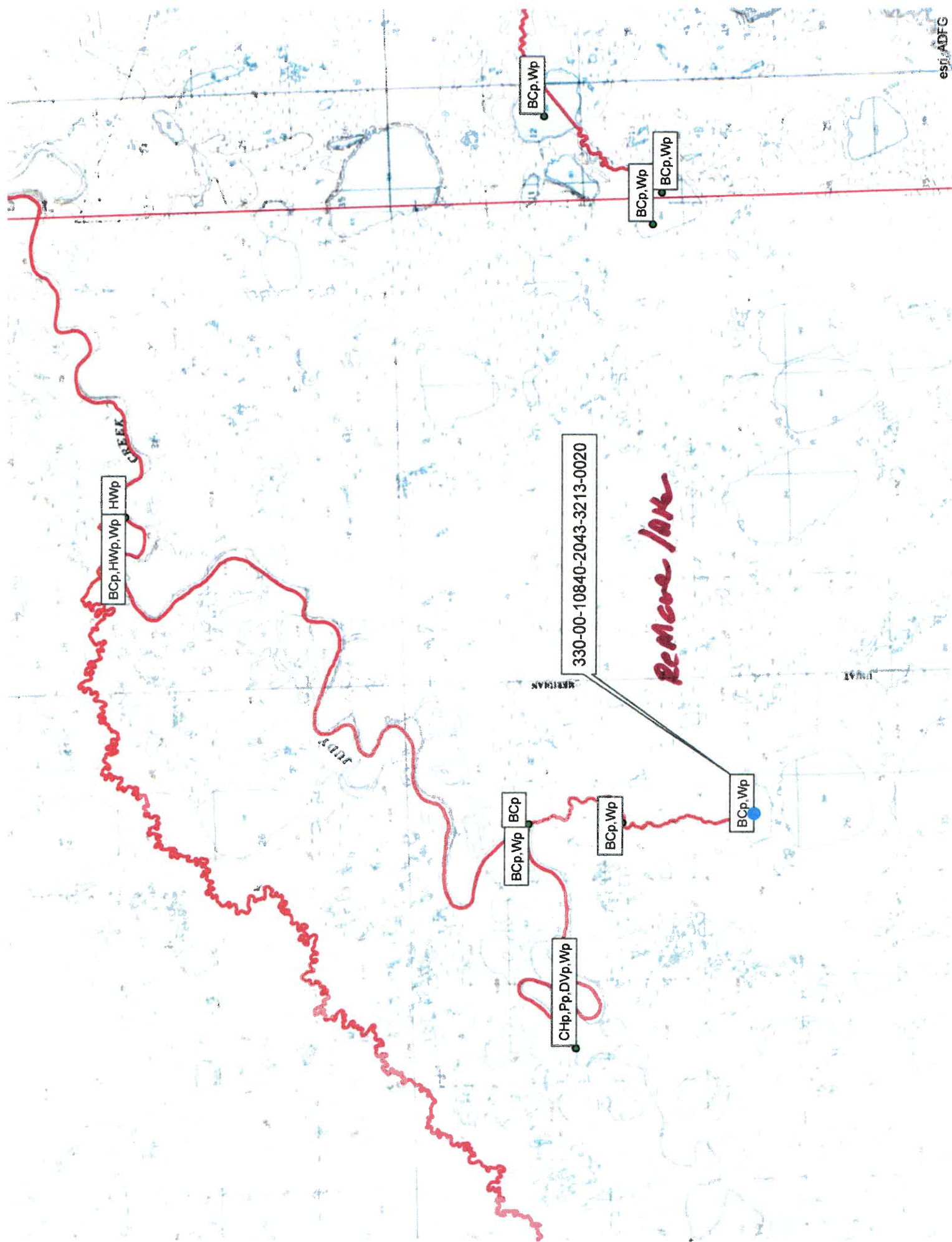


Add 330-00-10840-3204<sup>2043</sup> w/ WP  
 Add " CC10 w/

Add 330-00-10840-3204-4403<sup>2043</sup> w/ WP  
 Add " -0010<sup>4</sup>

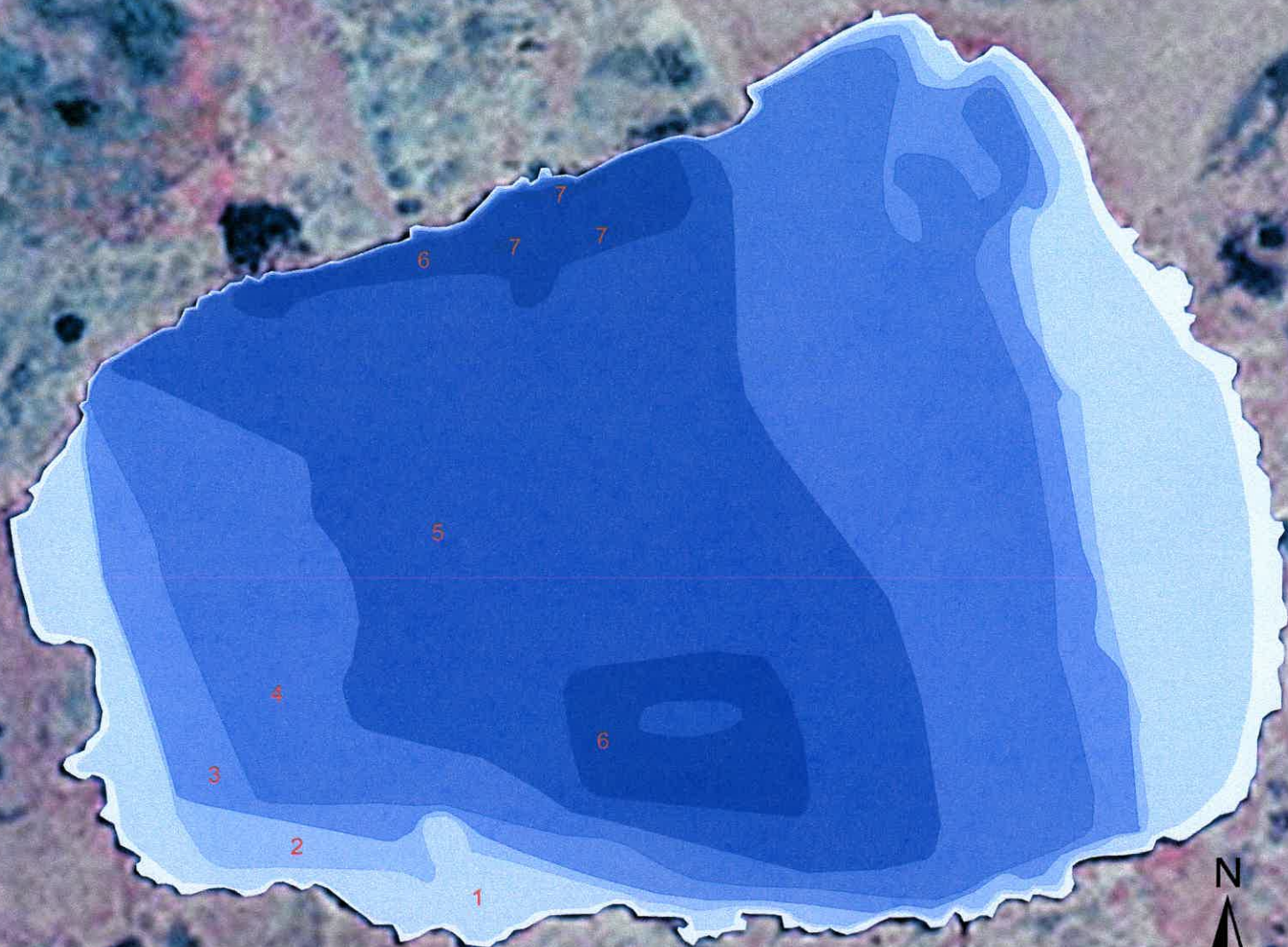








M0014



1,500 750 0 1,500 3,000 4,500 6,000 Feet

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Depth contours at Lake M0014 based on transects surveyed on August 12, 2015.  
(depth in 1 ft intervals)



**Lake M0014**

**Other Names:** None Known  
**Location:** 70.11868°N 152.06279°W  
**USGS Quad Sheet:** Harrison Bay A-4: T9N R1W, Sec. 23  
**Habitat:** Tundra Lake  
**Area:** 118 acres  
**Maximum Depth:** 7.2 feet in 2015  
**Active Outlet:** No  
**Total Lake Volume:** 158.79 million gallons (August 12, 2015 data)  
**Volume Under 4 ft of ice:** 28.97 million gallons  
**Volume Under 5 ft of ice:** 8.76 million gallons  
**Volume Under 7 ft of ice:** 0.014 million gallons

**Potential Ice Aggregate:** 37.59 acres (water depth 4 ft or less)  
11.15 million gallons

**Maximum Recommended Winter Removal:** **2.63 million gallons**  
(30% of water volume under 5 ft of ice)  
(Resistant species present)

**Water Chemistry:**

Year of Test	Calcium (mg/l)	Magnesium (mg/l)	Sodium (mg/l)	Chloride (mg/l)	Total Hardness [CaCO <sub>3</sub> ] (mg/l)	Specific Conductance (microS/cm)	Turbidity (NTU)	pH	Source
2000	21.8	4.2	9.8	24.7	71.5	197	--	7.79	L. Moulton
2015	21.4	4.0	9.0	25.1	70.0	173	1.5	7.91	B. Morris

**Catch Record:**

Gear	Date	Effort (hours)	Species	Number Caught
Gill Net	Jul 21 00	14.3	none	0
	Aug 12 15	8.9	none	0
Minnow Traps	Jul 21 00	15.3	none	0
Seine	Aug 12 15	2 hauls	none	0
Visual +Dipnet	Aug 12 15	150 yds	Ninespine stickleback	14

M0014



1,500 750 0 1,500 3,000 4,500 6,000 Feet

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Regions of lake M0014 less than 4 ft deep (light blue), and likely to be available for ice chips, based on transects surveyed on August 12, 2015

(not to be used for navigation or to direct the operation of heavy equipment)



M0014



1,500 750 0 1,500 3,000 4,500 6,000 Feet

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Depth transects surveyed at lake M0014 on August 12, 2015

(not to be used for navigation or to direct the operation of heavy equipment)

HYDRO_TYPE	SAMPLING_AREA	STATION	LAT_DD83	LON_DD83	METHOD	SAMPLING_YEAR	DATE_TIME_END	EFFORT_SWEEPS	SPECIES	CATCH_QTY
River	NPRA	SW2	70.12873	-152.0677	SN	2019	8/22/2019 15:00	2	NSSB	3
River	NPRA	SW2	70.12873	-152.0677	SN	2020	7/26/2020 15:01	3	NSSB	3



**From:** [Bill Morris](#)  
**To:** [Giefer, Joe \(DFG\)](#)  
**Cc:** [Scanlon, Brendan P \(DFG\)](#); [Brase, Audra L \(DFG\)](#)  
**Subject:** RE: AWC Nomination - Deletion  
**Date:** Wednesday, September 18, 2024 8:52:10 AM  
**Attachments:** [image001.png](#)

---

Thanks Joe,

Yes, the original point data file from MJM or my rendering of it on that map, was in error from the 2000 lake survey of M0014. At that time, we were trying to incorporate as much of the MJM lake survey data into the AWC as possible. I have not been able to figure out exactly what happened to precipitate that text box on my end – but it is wrong. Review of the source data (now that I own it) clearly shows they caught zero fish in the 2000 survey. When Larry (formerly MJM) and I resampled the lake in 2015, we went back to the original data and that nomination and discovered the error and discussed with Heather. That is what precipitated her removal nomination as well as my belief the creek itself would be dropped. It was a perched lake in 2015, was also a perched lake in 2000, and remains that way now. Plus we have now dragged seines around the swale and found only ninespines.

Bill

**Bill Morris** | [Owl Ridge Natural Resource Consultants, Inc.](#)  
[Confidentiality Notice](#)

**From:** Giefer, Joe (DFG) <joe.giefer@alaska.gov>  
**Sent:** Tuesday, September 17, 2024 3:31 PM  
**To:** Bill Morris <bmorris@owlriddenrc.com>  
**Cc:** Scanlon, Brendan P (DFG) <brendan.scanlon@alaska.gov>; Brase, Audra L (DFG) <audra.brase@alaska.gov>  
**Subject:** RE: AWC Nomination - Deletion

**[External]**

Hi Bill,

Nom received, and thanks for the submission.

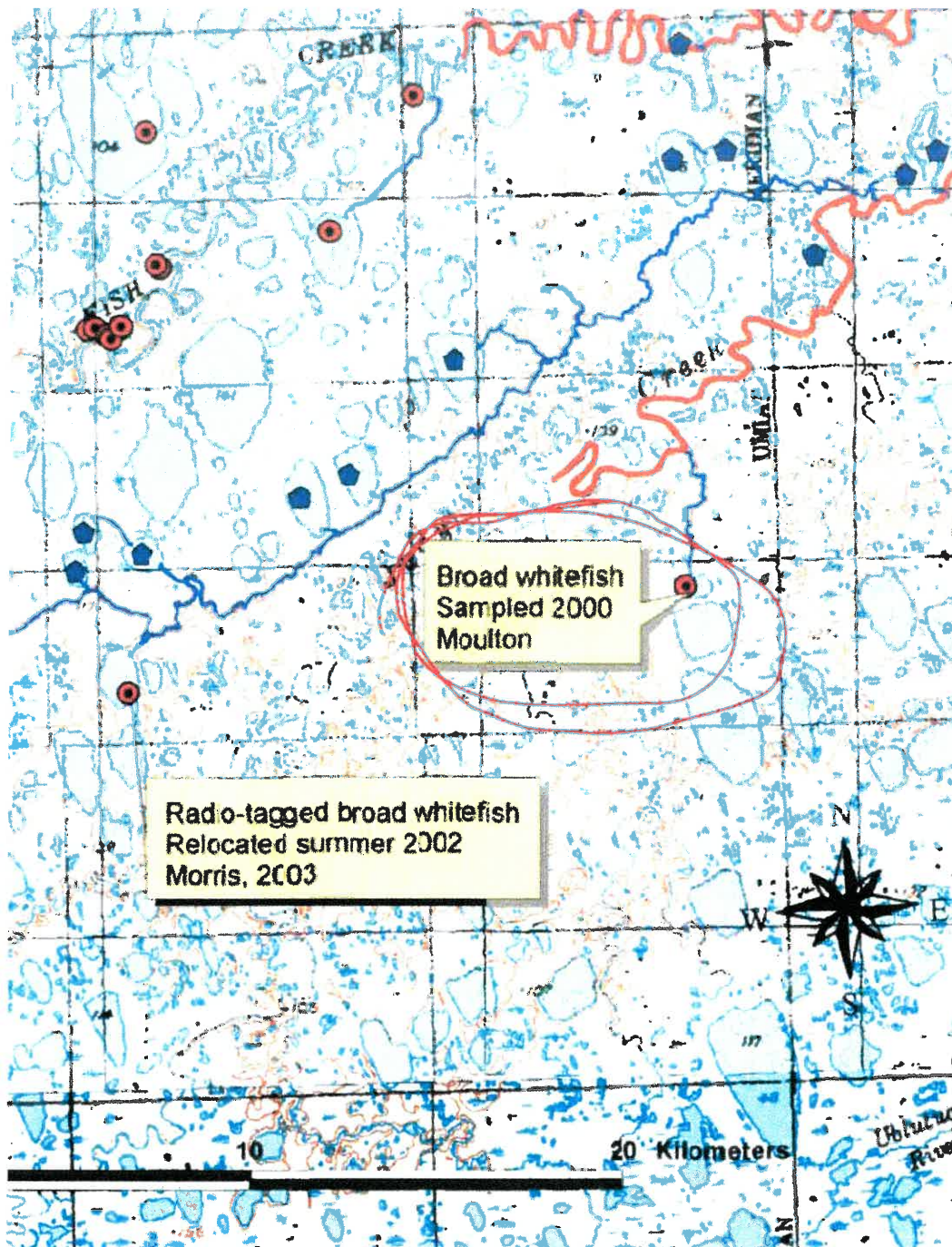
I think this looks good enough (assigned Nom #24-007). I am CC'ing Brendan and Audra here to get them in the loop. It appears Heather Scannell did submit the nom to remove #330-00-10840-2043-3213-0020 and that lake alone was removed, but like you said that original nomination was also the basis for the entire system of -3213 being added in the first place. This

stream was previously assigned AWC #330-00-10840-2043-~~3043~~ but it doesn't appear to have additional data prior to Nom #03-217.

Since Lake ending -3213-0020 has been removed, I will revise the nom you just submitted so it covers deletion of #330-00-10840-2043-3213 and the remaining lake in the system -0010.

One question though, just to clarify and so I have it in the nom file. What is the reference in Nom #03-217 that has the call out box with "Broad whitefish – Sampled 2000 – Moulton"? (see image clip, circled in red). It was sampled by Moulton in 2000 but the waypoint listing Broad whitefish was created in error?





Regards,

**Joe Giefer**

Habitat Biologist III

**Anadromous Waters Catalog (AWC)**

Alaska Dept. of Fish & Game

Division of Sport Fish -- RTS

333 Raspberry Road, Anchorage AK 99518

Office 907-267-2336

*Submit AWC Nominations electronically through the Online Portal here:*  
<https://www.adfg.alaska.gov/st/SARR/AWC/index.cfm?ADFG-nomSubmit.home>

**From:** Bill Morris <[bmorris@owlridgenrc.com](mailto:bmorris@owlridgenrc.com)>  
**Sent:** Tuesday, September 17, 2024 2:35 PM  
**To:** Giefer, Joe (DFG) <[joe.giefer@alaska.gov](mailto:joe.giefer@alaska.gov)>  
**Subject:** AWC Nomination - Deletion

**CAUTION:** This email originated from outside the State of Alaska mail system. Do not click links or open attachments unless you recognize the sender and know the content is safe.

[Internal]

Hi Joe,

Attached is a nomination to delete a swale on the north slope from the AWC. Do you want me to run this by Brendan 1<sup>st</sup>? I thought until recently this creek had already been removed, but I was incorrect.

Thank you,  
Bill

**William Morris | President**  
**Owl Ridge Natural Resource Consultants, Inc.**  
2311 Sheldon Avenue, Suite A | Fairbanks, Alaska 99701  
**Main** 907.344.3448 | **Direct/Cell** 907.388.9545  
[bmorris@owlridgenrc.com](mailto:bmorris@owlridgenrc.com) | [www.owlridgenrc.com](http://www.owlridgenrc.com)  
[Confidentiality Notice](#)









Nom #24-007

Map #2