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

Nomination Form
Anadromous Waters Catalog

4)

Region: ARC

USGS Quad(s): new BARROW A-3, A-4

Anadromous Waters Catalog Number of Waterway: Avak Creek, Sikulik Lake, Ikroagvik Lake 330-W-1093 1

Name of Waterway: Ikroagvik Lake - fed by Avak Creek ☑ USGS Name ☐ Local Name 0050

☑ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

Nomination # 12-641			
Revision Year: 2013			
Revision to: Atlas ____ Catalog ____ Both X			
Revision Code: A-2			
	Fisheries Scientist		11/2/12 Date
	Habitat Operations Manager		11/2/12 Date
	AWC Project Biologist		10/31/12 Date
	Cartographer	SDG	11.5.12 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Sockeye salmon	24 and 25 Oct 2012			X	☑
Least Cisco	20-29 Oct 2012	X			☑
Broad whitefish	25-Oct-12			X	☑
					☐
					☐

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: I caught 1 male sockeye salmon on 24 Oct and one on 25 Oct in my subsistence net in Ikroagvik Lake. Both were red bocied with a green head. They appeared to contain sperm and did not appear to be too spawned out (we ate one and it was good). We also caught 2085 least cisco from 20-29 Oct. Many of the females contained eggs which came out with mild squeezing. We also caught 1 broad whitefish. I have fished in this lake since 2000 and catch from 1600 -2200 least cisco each year. I have caught up to 16 broad whitefish in a season. This is the first time I have caught sockeye salmon.

Add new stream w/ sockeye salmon, least cisco & broad cisco present and lake

Name of Observer (please print): Geoff Carroll

Signature: Geoff Carroll

Agency: ADFG

Address: Box 1012
Barrow AK 99723

Date: 30 Oct 2012

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: Geoff Carroll Date: 30 Oct 12

Name of Area Biologist (please print):

Revision 05/08

Johnson, J D (DFG)

From: Johnson, J D (DFG)
Sent: Tuesday, October 30, 2012 1:32 PM
To: Reed, Daniel J (DFG); Scanlon, Brendan P (DFG); Borba, Bonnie M (DFG)
Subject: RE: Sockeye caught near Barrow in late October

This is very interesting
I'll contact Geoff and see if he will complete a nom form
j

From: Reed, Daniel J (DFG)
Sent: Tuesday, October 30, 2012 12:28 PM
To: Scanlon, Brendan P (DFG); Borba, Bonnie M (DFG); Johnson, J D (DFG)
Subject: Sockeye caught near Barrow in late October

Brendan, Bonnie, and J,

FYI, See the attached email and pictures. Geoff Carroll encountered a couple of sockeye just south of Barrow while subsistence fishing late last week.

Dan Reed

From: Carroll, Geoff M (DFG)
Sent: Tuesday, October 30, 2012 12:16 PM
To: Reed, Daniel J (DFG); Craig George; Todd Sformo
Subject: RE: Sockeye pictures

Hi Dan,

Feel free to share the info with anyone you like. After catching the 2, we didn't catch any more the rest of the week. Another guy was putting nets in the lake as we were pulling ours out yesterday. We'll let you know whether or not he catches any.

We taste- tested one last night and it was fresh enough that it was very good eating.

Todd Sformo from the NSB Wildlife Dept collected some of the gill and will check out the DNA.

Geoff Carroll
Alaska Department of Fish and Game
Area Wildlife Biologist

Johnson, J D (DFG)

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Sent: Tuesday, October 30, 2012 12:28 PM
To: Scanlon, Brendan P (DFG); Borba, Bonnie M (DFG); Johnson, J D (DFG)
Subject: Sockeye caught near Barrow in late October
Attachments: FW: Sockeyes

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FYI, See the attached email and pictures. Geoff Carroll encountered a couple of sockeye just south of Barrow while subsistence fishing late last week.

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Geoff Carroll
Alaska Department of Fish and Game
Area Wildlife Biologist
PO Box 1284
Barrow, AK 99723

907-852-3464

From: Reed, Daniel J (DFG)
Sent: Tuesday, October 30, 2012 8:32 AM
To: Carroll, Geoff M (DFG)
Subject: Sockeye pictures

Hi Geoff,

Last weekend Craig George forwarded pictures of the sockeye that you guys caught at Ikroagvik Lake.

My first inclination was to forward the information about sockeye about these fish to Brendan Scanlon (SF area manager), Bonnie Borba (CF research, who worked on a project to document changing distributions of salmon), and J Johnson (Anadromous Waters Catalogue manager).

But, as you "collected" this information on your personal time, I thought I should check with you to see if you have a problem sharing the photos further.

I doubt that anyone from ADF&G, either SF or CF, is going to have funding anytime soon to come "investigate" this (in my experience) new pioneering group of fish. But somebody from the academic community who has grant money to deal with fish and climate change might be able to send a grad student or something to look at lake substrate and spawning habitat, and look for juveniles to see if a population is actually being established.

Also, J Johnson may hit you up with a bit of paperwork to put this information into the Anadromous Waters Catalog.

What are your druthers? Or would you like to contact these people?

Dan

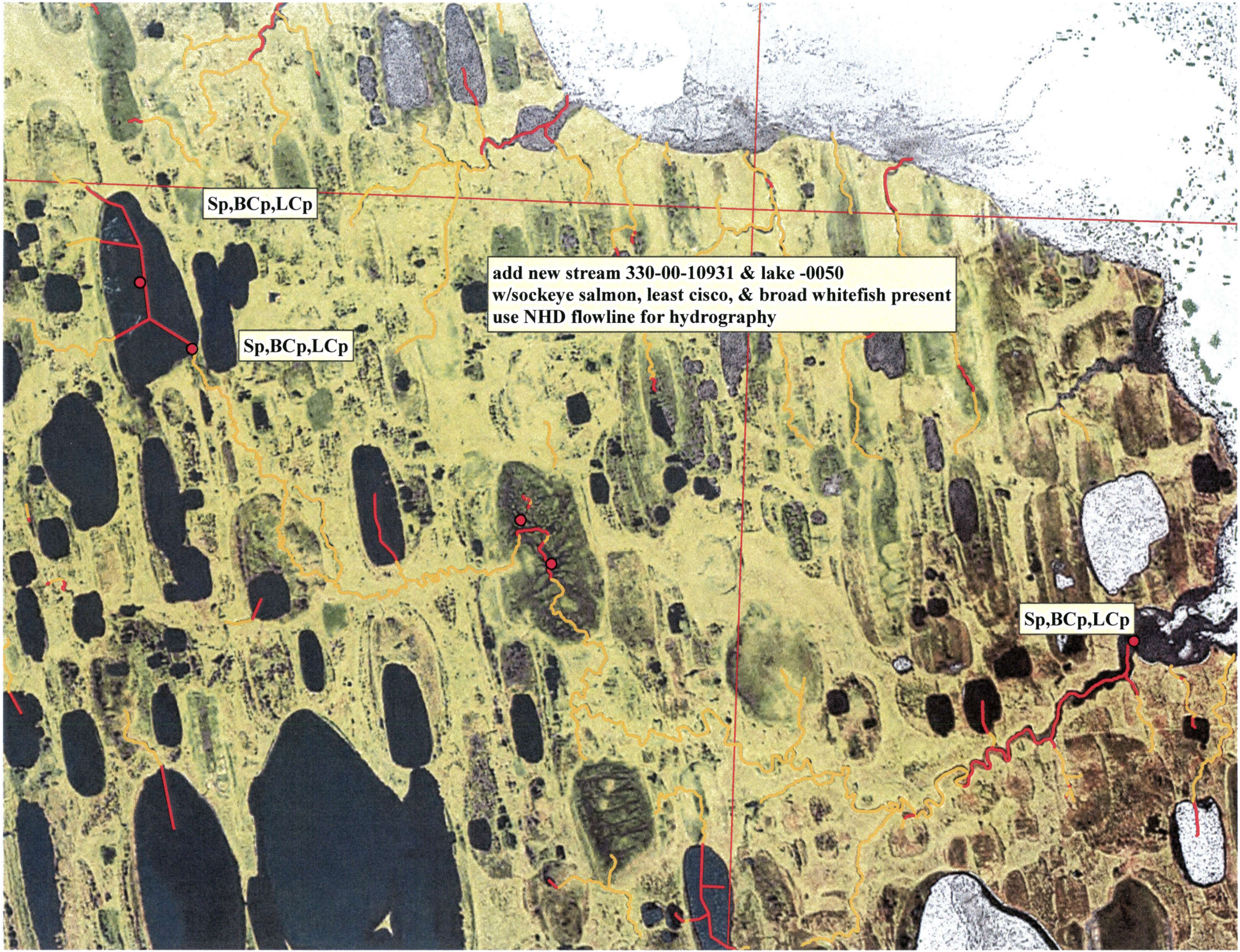
Johnson, J D (DFG)

From: Craig George [Craig.George@north-slope.org]
Sent: Saturday, October 27, 2012 1:27 PM
To: Reed, Daniel J (DFG)
Subject: FW: Sockeyes
Attachments: DSC_0013.jpg; DSC_0015.jpg; PA250004.jpg

-----Original Message-----
From: Carroll, Geoff M (DFG) [mailto:geoff.carroll@alaska.gov]
Sent: Friday, October 26, 2012 10:37 AM
To: Craig George; Todd Sformo; Parrett, Lincoln S (DFG); Dau, Jim R (DFG); Brian Person
Cc: Ralph Davis; Busplant@BUECI.org
Subject: Sockeyes

We were amazed to catch a sockeye salmon in Ikroagvik Lake Wed evening, but even more amazed to catch another one Thurs evening. To catch 2 in 2 days makes me think that a fair number of sockeyes must have moved in there this fall. I guess, with the flow in the outlet stream being much greater this summer (it also lowered the water level in the lake 1 1/2 feet), sockeyes were able to swim in there. It is very strange because we almost never catch sockeyes in the subsistence nets in the summer. The sockeyes are both males that are in pretty decent condition (not too spawned out).

Nuwuk
Port Moore
Eluitkak
Doctor
Plover Pt
Crescent I
Deadmans Island
Pass
Point Barrow
N Base
Pt Barrow Airfield
Naval Arctic Research Laboratory
Brant Pt
Imikpuk Lake
South Barrow Gas Well No 2
Tapkaluk
Islands
Browerville
Barrow
Wiley Post-Will Rogers Memorial Airport
Tekegakrok Pt
Ikpik Slough
Footprint Lake
West Twin Lake
East Twin Lake
Barrow Gas Wells Nos 3 and 4
Dry Lake
Nunavak Bay
Emaiksoun Lake
Ikroavik Lake
Mayovak R
Scott Pt
Avak Bay
Ross Pt
Iko Bay
Ross Bay
Sikulik Lake
Test Well
Avak
Creek
Kimouksik Lake
Lake
R 19 W
R 18 W
NATIONAL PETROLEUM RESERVE
ELSON
632
633
676
594
595


Sp,BCp,LCp
Sp,BCp,LCp
add new stream 330-00-10931 & lake -0050
w/sockeye salmon, least cisco, & broad whitefish present
use NHD flowline for hydrography
Sp,BCp,LCp