



State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Fish Distribution Database

ALASKA DEPT. OF
FISH & GAME
NOV 15 2004

Region ARCTIC USGS Quad Harrison Bay A-3 and B-3
 Fish Distribution Database Number of Waterway 330-00-10840-XXXX
 Name of Waterway Fish Creek tributaries USGS Name Local Name
 Addition Deletion Correction Backup Information

Nomination # <u>4456</u>		For Office Use <u>A. Kelly</u>		Date <u>2-24-05</u>	
Revision Year: _____		<u>[Signature]</u> Fisheries Scientist		Date <u>2/24/05</u>	
Revision to: Atlas _____ Catalog _____		<u>[Signature]</u> FDD Project Biologist		Date <u>12-15-04</u>	
Revision Code: <u>F-2</u>		Drafted		Date _____	

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Whitefish	See Justification				<input checked="" type="checkbox"/>
Arctic Grayling	Summer 2003 and 2004			See Data	<input 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: Both of the systems nominated have direct connections to anadromous waterbodies and have well developed and well maintained channel morphologies. Given the timing of all previous fyke-net sampling it is likely that anadromous whitefish had already moved beyond net sites at the time of sampling. Our data on whitefish migration patterns and habitat use from Prudhoe Bay to the Chipp river, suggest strongly that these two creeks support feeding whitefish during periods of the open water season (Morris 2000, Morris 2003, and ongoing Teshekpuk area work). Whitefish, between the Sagavanirktok River and Point Barrow distribute during break-up and move into systems such as these while ice is still present in ponds and lakes. Post break-up, as waters warm, fish either remain sedentary in deeper areas or make a mass exodus from the system. Movement in and out of these systems may last only a matter of days and easily is missed by fyke-netting and by radio-telemetry flights. However, the preponderance of telemetry and fyke-net data from similar systems suggests that, at a minimum, these creeks will be utilized during the open-water season by broad whitefish where there is a well defined channel leading to extensive wetland complexes or small lakes and ponds, as the case with these systems.

no fish caught in hand

Name of Observer (please print): William Morris
 Signature: [Signature] Date: 11/9/2004
 Address: AK, Dept Nat Resources, OHMP
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] Revision 04/03
 Name of Area Biologist (please print): John Burr

Moulton, L. L. (MJM Research LLC), 2003. Baseline Surveys of Fish Habitats in Eastern NPR-A, Summary Data Report, September 2003., prepared by MJM Research, 1012 Shoreland Drive, Lopez Island, WA, for ConocoPhillips Alaska, Inc. and Anadarko Petroleum Corp. 16 pp (plus data Appendices)

Moulton, L. L. (MJM Research LLC). 2004. Unpublished 2004 Catch Data from NPR-A Streams.

Morris, W.A., 2003. Seasonal Movements And Habitat Use Of Arctic Grayling (*Thymallus arcticus*), Burbot (*Lota Lota*), And Broad Whitefish (*Coregonus Nasus*) Within The Fish Creek Drainage Of The National Petroleum Reserve-Alaska, 2001-2002. Technical Report No. 03-02. Alaska Department of Natural Resources, Office of Habitat Management and Permitting, Juneau. 110 pp.

Morris, W. A. 2000. Seasonal movements of broad whitefish (*Coregonus nasus*) in the freshwater systems of the Prudhoe Bay oil field. Masters Thesis. University of Alaska Fairbanks. 71 pp.

Catches of fish by fyke nets in eastern NPRA creeks during 2004.

SPECIES	B0401		F0401		F0402		F0405		F0406		F0407		U0102		U0301	
	(DS)	(US)	(DS)	(US)	(DS)	(US)	(DS)	(US)	(DS)	(US)	(DS)	(US)	(DS)	(US)	(DS)	(US)
Chinook salmon															1	3
Broad whitefish	26	96	4	3	1	15	1	2						22	43	11
Humpback whitefish	6	18												4	8	1
Least cisco	5	7	1													
Round whitefish	3															
Arctic grayling	1,486	351	621	405	149	181	5	11	2	17	4	77	651			
Burbot			1		2											
Alaska blackfish			2	2	1	56		53	29	4						
Ninespine stickleback	245	693	51	650	512	4,989	87	14	1,074	444	2,713	5	220	71		
Slimy sculpin	14	3	3	4	1	36	2	8				1	4			
Total catch	1,785	1,170	680	1,064	666	5,277	90	29	1,138	475	2,717	23	30	348	738	
Effort (hours)	466.0	467.1	278.9	527.2	525.2	389.6	50.1	50.3	311.3	215.3	259.6	94.8	284.0	305.3	303.2	

Table 2. Fish caught by fyke net in small streams of eastern NPR-A during 2003.

All Stations				
Species	June Total	July Total	August Total	Total
Broad whitefish	3	153	0	156
Humpback whitefish	1	4	0	5
Least cisco	0	53	0	53
Round whitefish	0	4	1	5
Arctic grayling	274	1,529	44	1,847
Burbot	0	1	1	2
Alaska blackfish	93	25	0	118
Slimy sculpin	1	36	0	37
Ninespine stickleback	10,696	3,013	8	13,717
Effort (hrs)	1,351.3	1,545.9	322.2	3,219.4

Station F02			
Species	June Total	July Total	Total
Broad whitefish	1	1	2
Humpback whitefish	0	0	0
Least cisco	0	0	0
Round whitefish	0	0	0
Arctic grayling	10	93	103
Burbot	0	0	0
Alaska blackfish	0	1	1
Slimy sculpin	0	13	13
Ninespine stickleback	35	36	71
Effort (hrs)	214.7	191.1	405.8

Station F04				
Species	June Total	July Total	August Total	Total
Broad whitefish	2	4	0	6
Humpback whitefish	1	0	0	1
Least cisco	0	2	0	2
Round whitefish	0	1	1	2
Arctic grayling	157	44	21	222
Burbot	0	0	0	0
Alaska blackfish	0	0	0	0
Slimy sculpin	1	8	0	9
Ninespine stickleback	281	24	0	305
Effort (hrs)	215.5	269.2	161.0	645.7

Station F06/F06A			
Species	F06 Total	F06A Total	Total
Broad whitefish	0	0	0
Humpback whitefish	0	0	0
Least cisco	0	0	0
Round whitefish	0	0	0
Arctic grayling	0	2	2
Burbot	0	0	0
Alaska blackfish	32	4	36
Slimy sculpin	0	0	0
Ninespine stickleback	345	1,687	2,032
Effort (hrs)	188.8	189.3	378.2

Station F01				
Species	June Total	July Total	August Total	Total
Broad whitefish	0	3	0	3
Humpback whitefish	0	0	0	0
Least cisco	0	3	0	3
Round whitefish	0	0	0	0
Arctic grayling	105	1,266	23	1,394
Burbot	0	0	1	1
Alaska blackfish	2	0	0	2
Slimy sculpin	0	15	0	15
Ninespine stickleback	369	14	8	391
Effort (hrs)	213.3	260.3	161.2	634.8

Station F03/F03A			
Species	F03 Total	F03A Total	Total
Broad whitefish	0	145	145
Humpback whitefish	0	4	4
Least cisco	0	48	48
Round whitefish	0	3	3
Arctic grayling	0	124	124
Burbot	0	1	1
Alaska blackfish	34	9	43
Slimy sculpin	0	0	0
Ninespine stickleback	390	293	683
Effort (hrs)	211.6	262.2	473.8

Station F05 (CK 16)			
Species	June Total	July Total	Total
Broad whitefish	0	0	0
Humpback whitefish	0	0	0
Least cisco	0	0	0
Round whitefish	0	0	0
Arctic grayling	2	0	2
Burbot	0	0	0
Alaska blackfish	17	2	19
Slimy sculpin	0	0	0
Ninespine stickleback	8,810	69	8,879
Effort (hrs)	187.8	182.5	370.4

Station F07 (CK 17)			
Species	June Total	July Total	Total
Broad whitefish	0	0	0
Humpback whitefish	0	0	0
Least cisco	0	0	0
Round whitefish	0	0	0
Arctic grayling	0	0	0
Burbot	0	0	0
Alaska blackfish	8	9	17
Slimy sculpin	0	0	0
Ninespine stickleback	466	890	1,356
Effort (hrs)	119.4	191.3	310.7

Location of fyke net stations fished on NPRA creeks during 2004.

Station	Location	Dates Fished	NAD83	
			Latitude	Longitude
B0401DS	Bill's Creek (trib to Ublutuoch)	Jul 13-Aug 24	70.22592	151.26387
B0401US	Bill's Creek (trib to Ublutuoch)	Jul 13-Aug 24		
F0401	Searay Creek (trib to Ublutuoch, CK0301)	Jun 16-Jul 12	70.27969	151.33000
F0401DS	Searay Creek (trib to Ublutuoch, CK0301)	Jul 13-Aug 24		
F0401US	Searay Creek (trib to Ublutuoch, CK0301)	Jul 13-Aug 24		
F0402	trib to Ublutuoch (CK0302 in 2003 Report)	Jun 16-Jul 16	70.30246	151.27462
F0402DS	trib to Ublutuoch (CK0302 in 2003 Report)	Jul 29-30		
F0402US	trib to Ublutuoch (CK0302 in 2003 Report)	Jul 29-30		
F0405	Fish Ck trib (CK16C in 2003 Report)	Jun 16-Jul 31	70.27519	151.48118
F0406	Fish Ck trib(F0306A in 2003 Report)	Jun 18-Jul 11	70.28360	151.29025
F0407	Fish Ck trib(F0307A in 2003 Report)	Jun 16-Jul 12	70.27310	151.54366
U0102	Ublutuoch River (as in 2003 Report)	Jul 14-17	70.24875	151.29120
U0102DS	Ublutuoch River (as in 2003 Report)	Jul 30-Aug 24		
U0102US	Ublutuoch River (as in 2003 Report)	Jul 30-Aug 24		
U0301	Ublutuoch River (as in 2003 Report)	Jun 16-Jul 13	70.23952	151.30293

DS = net catching fish moving downstream

US = net catching fish moving upstream