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

Nomination for Waters Important to Anadromous Fish

Region: ARCTIC

USGS Quad: Flaxman Island, A4

Anadromous Water Catalog Number of Waterway: 330-00-10234

Name of Waterway: A1, ADF&G Stream Sample ID ☐ USGS Name ☐ Local Name

☑ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

Nomination #	03 240		3/17/03 3/18/04
Revision Year:	2004	Regional Supervisor	Date
Revision to: Atlas ___ Catalog ___			28 Apr 03
Both X		AWC Project Biologist	Date
Revision Code:	A-2		10/11/04
		Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Dolly Varden	8/1/02 - 8/3/02		7		☑
					☐
					☐
					☐
					☐

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:

Pt. Thomson area stream surveys were initiated in August 2002. Seven juvenile Dolly Varden were captured in a single 48-hour fyke net sampling event.
All Dolly Varden captured were between 115mm and 220mm fork length.
Number of fish listed is a sum of Dolly Varden char captured in all nets fished within a system, usually 2 nets.

Attached map shows furthest upstream net in system that captured Dolly Varden char.

GPS location of net site is provided on attached map, GPS locations are presented in NAD27, in decimal degrees.
Trip Report "ADF&G Point Thomson Area Stream Fish Sampling, August 1-8, 2002, Trip Report" by Jack Winters and William Morris is also attached.

Name of Observer (please print): William Morris

Signature: William Morris

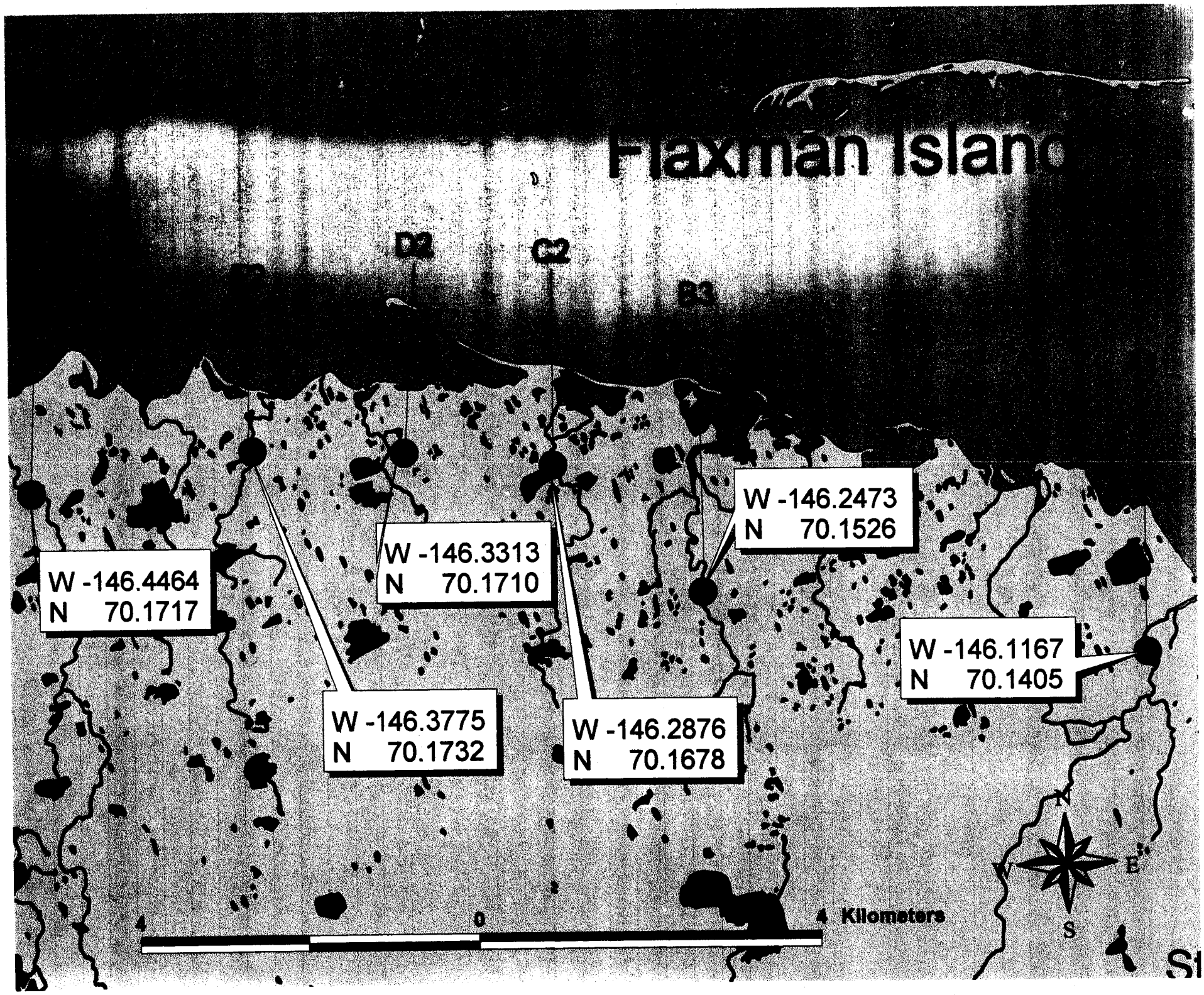
Date: 3/17/03

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 Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes per AS 16.05.870.

Signature of Area Biologist: Jim Roach Jim Roach

Revision 3/97


Flaxman Island
D2
C2
B2
W -146.4464
N 70.1717
W -146.3313
N 70.1710
W -146.3775
N 70.1732
W -146.2876
N 70.1678
W -146.2473
N 70.1526
W -146.1167
N 70.1405
4 0 4 Kilometers
N
E
S

ADF&G Point Thomson Area Stream Fish Sampling
August 1-8, 2002
Trip Report

Jack F. Winters
William A. Morris

From August 1 through 8, 2002, the Alaska Department of Fish and Game (ADF&G) conducted fish surveys in streams crossed by the proposed Point Thomson Gas Cycling Project. The stream surveys were designed to provide preconstruction fish and water quality data for selected streams in the Point Thomson proposed development area, to provide data to support permit applications, and to make and support permit decisions.

Fish were captured with fyke nets set within the streams or in lakes attached to the streams. The wings and leads of the nets were set to capture fish moving upstream and downstream. Nets were fished from 2 to 3 days at each net site. One net was set in the Alaska State #1 flooded material site. Net sites were selected to coincide with or just upstream of the proposed pipeline, road, and material site locations. Generally, two nets were set in streams crossed by the proposed facility roads and infield pipeline. One net was set in streams crossed by the proposed sales pipeline. Dolly Varden and fourhorn sculpin were measured and released. Ninespine stickleback were counted and released, but not measured.

Water quality parameters (temperature, specific conductance, pH, dissolved oxygen concentration, and dissolved oxygen percent saturation) were measured at each net site with a Hydrolab® Minisonde® water quality microprobe connected to a Surveyor® 4 water quality display unit.

Fifteen streams and one flooded mine site were sampled for fish. All fifteen streams contained ninespine stickleback as did the flooded Alaska State #1 mine site. Seven of the fifteen streams contained anadromous juvenile Dolly Varden, which ranged in length from 115 to 220 mm. One sample site also contained 12 fourhorn sculpin.

Catches of Dolly Varden were low, ranging from 0 to 6 per day per net. The total catch of Dolly Varden was 42 fish. Catches of ninespine stickleback ranged from 0 to 398 fish per day per net. The total catch of ninespine stickleback was 3078 fish.

Table 2. Point Thomson water quality data.

Point Thomson Area Stream Water Quality Data, August 2002							
Sampling Site		Date	Temperature °C	Specific Conductance µS/cm	pH	Dissolved Oxygen mg/L	Percent Saturation
A1		8/3/2002	12.89	300.2	8.01	9.90	93.2
A2		8/3/2002	12.65	303.2	8.02	9.89	92.7
B1		8/3/2002	13.74	204.3	7.89	10.15	97.3
B2		8/3/2002	14.16	203.2	7.77	9.84	95.0
B3		8/3/2002	12.10	247.4	7.80	8.88	82.2
B4		8/3/2002	15.91	273.8	7.86	8.37	84.2
AK State #1		8/3/2002	11.90	295.9	8.05	10.52	97.1
C1		8/3/2002	14.80	251.2	8.15	9.79	96.2
C2		8/3/2002	16.17	257.0	7.64	8.76	88.5
D1		8/3/2002	16.01	230.5	8.05	9.39	94.6
D2		8/3/2002	17.09	245.1	7.59	8.69	89.5
E1		8/3/2002	14.37	303.6	7.62	9.03	87.7
E2		8/3/2002	12.55	301.0	7.85	9.48	89.3
F1		8/3/2002	16.72	293.7	7.83	8.65	88.5
F2		8/3/2002	16.89	298.8	7.80	8.23	84.6
G1		8/3/2002	16.98	287.6	7.93	8.66	89.0
H1		8/7/2002	5.61	241.9	7.35	10.21	81.3
I1		8/7/2002	6.31	278.6	7.84	11.61	94.4
J1		8/7/2002	5.94	265.8	7.83	11.72	94.2
K1		8/7/2002	6.26	304.7	7.73	11.62	94.3
L1		8/7/2002	6.75	283.6	7.91	11.02	90.5
M1		8/7/2002	5.84	275.7	7.70	11.78	94.5
N1		8/7/2002	6.63	254.2	7.90	11.74	96.2
O1		8/7/2002	6.79	231.6	7.63	11.10	91.2

J Johnson

From: William Morris [william_morris@fishgame.state.ak.us]
Sent: Monday, April 28, 2003 2:57 PM
To: j_johnson@fishgame.state.ak.us
Subject: RE: Arctic nominations

These are anadromous because these streams have zero overwintering habitat. They are too shallow and no springs exist at any of them. The systems are used during summer for rearing. Only a handful of systems up on the coastal plain have water during winter, these do not, the nearest systems that winter fish in the area are the Canning to the east and the Shaviovik to the west.

Bill

-----Original Message-----
From: J Johnson [mailto:j_johnson@fishgame.state.ak.us]
Sent: Monday, April 28, 2003 1:44 PM
To: William A Morris
Subject: Arctic nominations

Bill
Do you consider these DV anadromous solely because of their presence in the streams?
I was wondering if you have any additional info to support the inclusion of Dolly Varden as anadromous species in Pt. Thomson area streams.
Has there been any tagging or tracking studies that indicate DV are not over wintering in the nominated streams.
If so, I'd like to see copies of any pertinent reports.

J. Johnson
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AWC Project Biologist
Habitat Division
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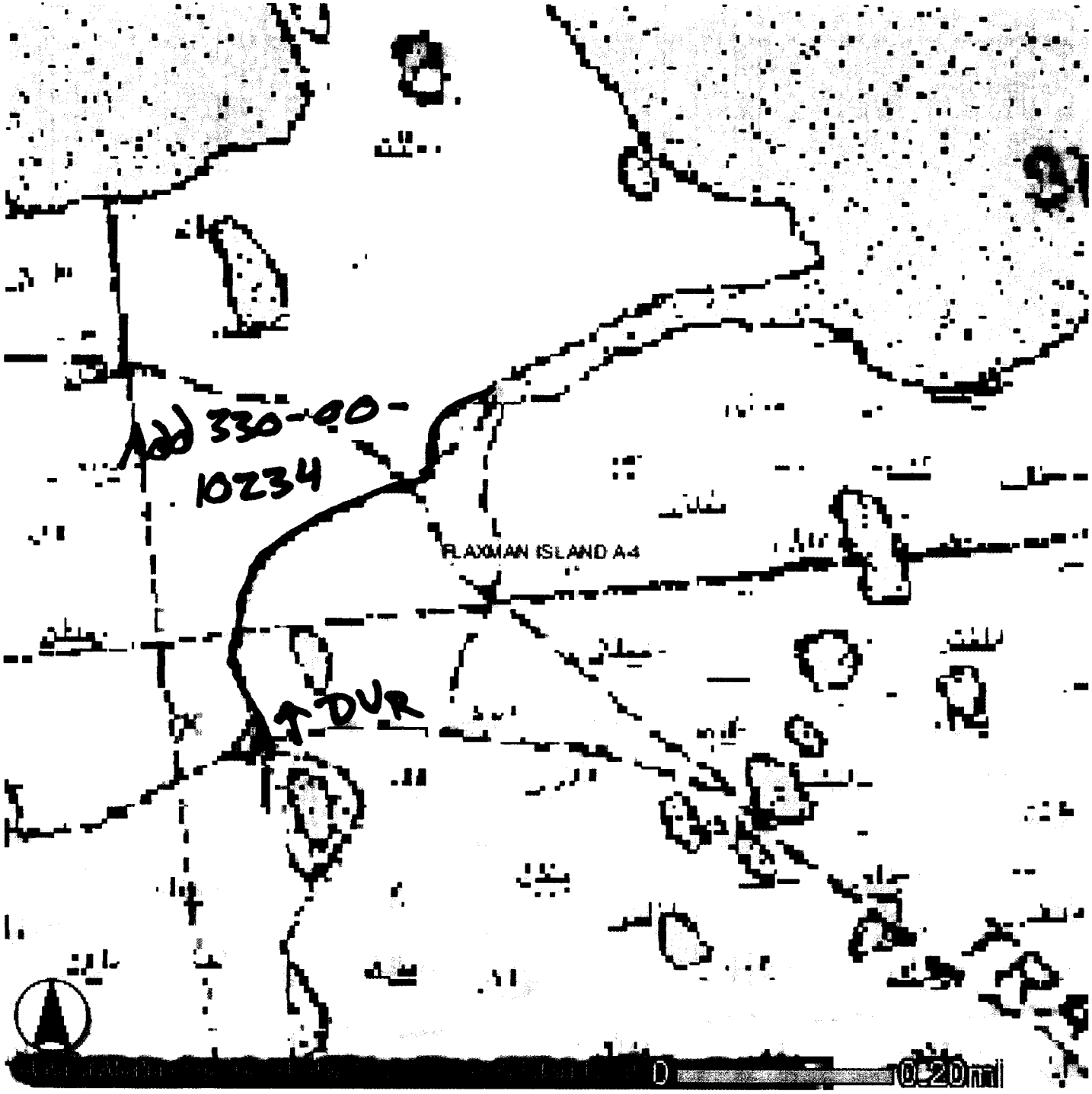
Anchorage, AK 99518
907-267-2337 office
907-267-2464 FAX
j_johnson@fishgame.state.ak.us



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