State of Alaska
Department of Fish and Game
Nomination for Waters
Important to Anadromous Fish

1987
Year of Revision

Anadromous Water Catalog Volume Southcentral Region

USGS Quad Tyonek A-4

Name of Waterway S. Trib of Lone Creek

Anadromous Water Catalog Number of Waterway

247-20-10010-2020-3020-0010

Change to _____ Atlas

_____ Catalog

_____ Both

Addition X

Deletion _____

Correction _____

Name addition:

USGS name unknown

Local name Lake 730

ALASKA DEPT. OF FISH & GAME
OCT 1 1986
REGION II
HABITAT DIVISION

For Office Use

Nomination # 83-1453

Carl Yanagawa 10/28/86
Regional Supervisor Date

ok 10/31/86

FI 10/29
Drafted Date

Species	Date(s) Observed	Spawning	Rearing	Migration
Coho salmon	1983		X	

Comments: Provide any clarifying information, including number of fish observed, location of fish survey data, etc.

Juveniles were captured and recorded by Environmental Research & Technology (ERT) during 1983 aquatic baseline studies conducted for Diamond Shamrock - Chuitna Coal Joint Venture

Attach a copy of a map showing location of mouth and upper points of each species, specific stream reaches identified for spawning or rearing, locations of barriers, such as falls. Attach a copy of the fish survey data, if available.

Name of Observer (please print) ERT consultants

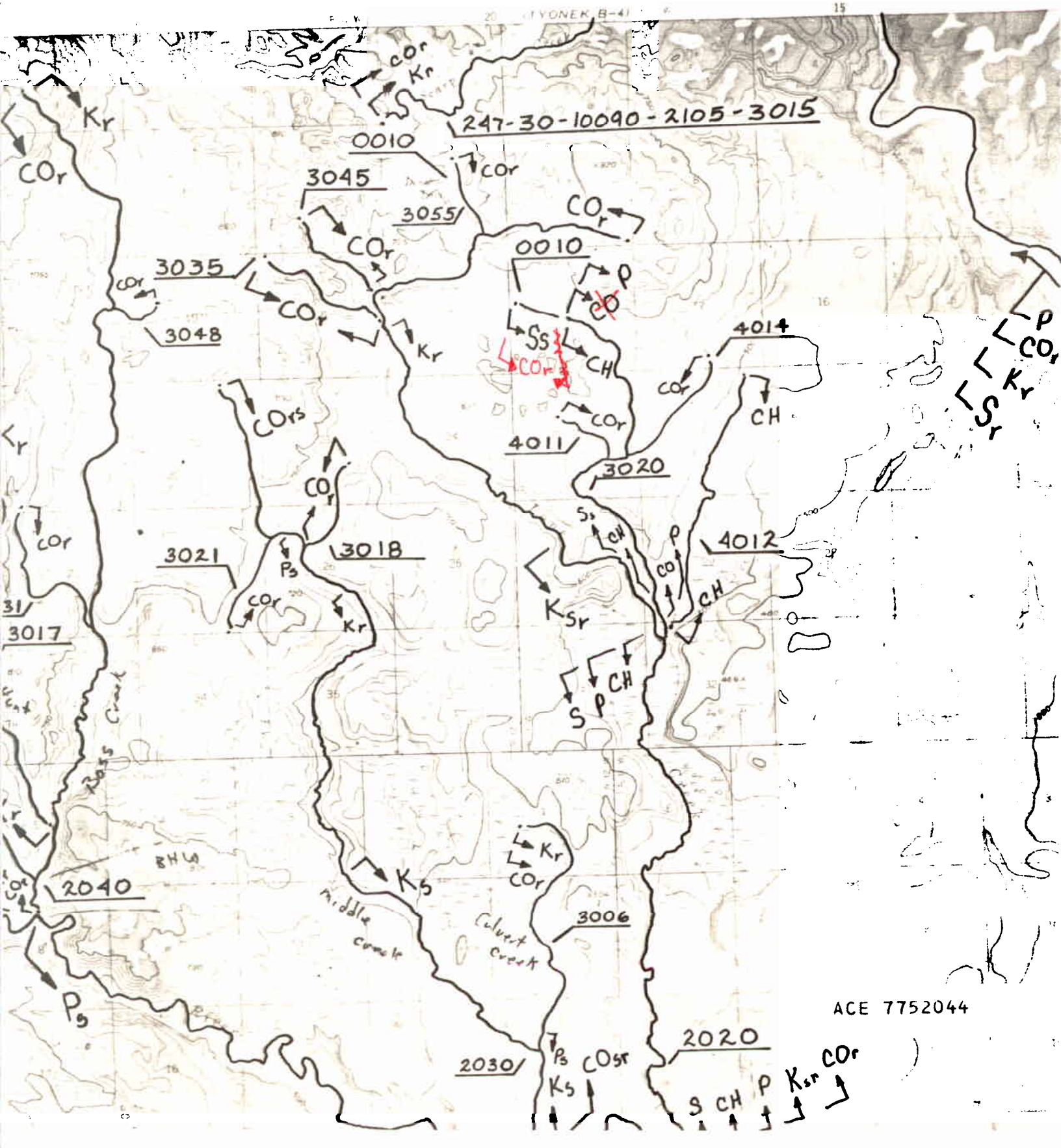
Date: _____ Signature: _____

Address: Fort Collins, Colorado

Signature of Area Biologist: Keri Delaney

ACE 7752043
+LS

ERIOR


TYONEK B-4
247-30-10090-2105-3015
0010
3045
3055
3035
3048
0010
4014
4011
3020
4012
3021
3018
3017
2040
3006
2030
2020
ACE 7752044

DIAMOND CHUITNA PROJECT

Aquatic Biology

Baseline Studies Report

ALASKA DEPT. OF FISH & GAME
FEB 14 1984
HABITAT
REGIONAL OFFICE

Prepared for

DIAMOND SHAMROCK - CHUITNA COAL JOINT VENTURE
Anchorage, Alaska

Prepared by

ENVIRONMENTAL RESEARCH & TECHNOLOGY, INC.
Fort Collins, Colorado

Volume I - Text

February 1984

ACE 7752045

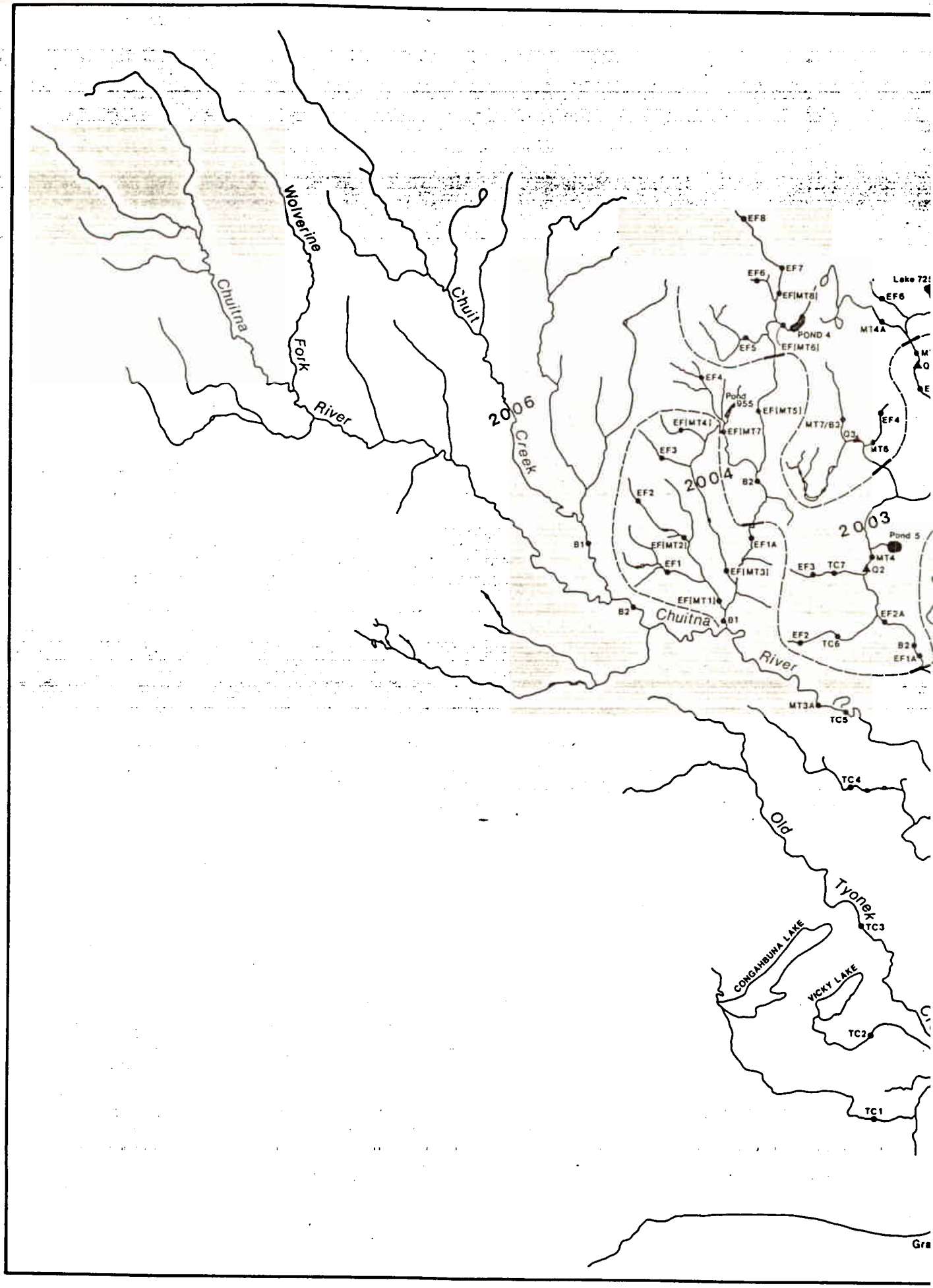
TABLE 3-10

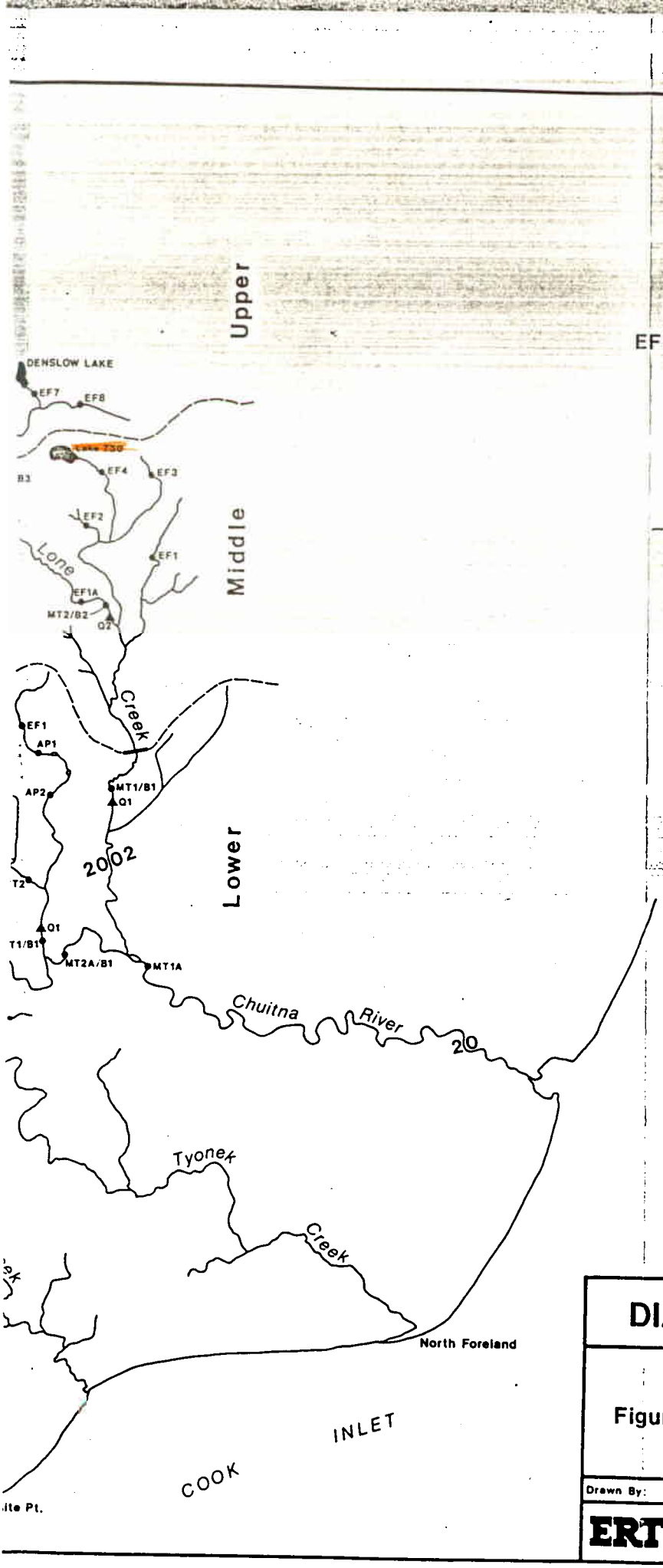
LENGTH AND CONDITION OF FISH COLLECTED IN LAKES AND PONDS

Name or Map Number	Species	Gill Nets Numbers	Gill Nets Total Length (mm) Mean (Range)	Gill Nets Condition Coefficient Mean (Range)	Minnow Traps Numbers	Minnow Traps Total Length (mm) Mean	Minnow Traps Condition Coefficient Mean (Range)
Denslow Lake	Coho	26	123(104-165)	0.92(0.81-1.05)	8	118(100-134	1.02(0.92-1.11)
	Dolly Varden	1	228	1.16	2	130(112-148)	0.85(0.73-0.97)
	Threespine Stickleback	0	--	--	578	--	--
Unidentified	Coho	22	164(122-221)	1.11(1.00-1.21)	3	189(184-194)	1.01(0.94-1.06)
	Dolly Varden	11	193(137-250)	1.03(0.86-1.17)	7	149(128-157)	0.93(0.84-1.02)
Pond 955	Coho	6	204(199-213)	1.010(0.92-1.11)	0	--	--
	Dolly Varden	14	167(113-244)	0.94(0.79-1.06)	5	115(85-138)	0.95(0.69-1.35)
Lake 730	Coho	36	160(114-192)	0.88(0.70-1.03)	4	146(117-167)	--
	Dolly Varden	3	242(152-320)	0.89(.69-1.10)		--	--
	Threespine Stickleback	0	--	--	1,497	--	--
Pond 725	Dolly Varden	1	325	1.37	0	--	--

[1] 1983 data.

ACE 7752046


Wolverine
Chulitna
Fork
River
Chuit
2006
Creek
EF8
EF7
EF6
EF[MT8]
Lake 725
EF6
MT4A
POND 4
EF5
EF[MT6]
EF4
Pond 955
EF[MT5]
EF[MT4]
EF[MT7]
MT7/B3
Q3
EF4
MT6
EF3
2004
B2
EF2
2003
Pond 5
MT4
Q2
B1
EF[MT2]
EF1A
EF1
EF[MT3]
EF3
TC7
EF[MT1]
B2
Chulitna
B1
EF2A
EF2
TC6
B2
EF1A
River
MT3A
TC5
TC4
Old
Tyonek
TC3
CONGAHBUNA LAKE
VICKY LAKE
TC2
TC1



LEGEND

MT = Minnow Trap Location [8]

MTA = MT Location Surveyed Only in 1983 [4]

EF = Electrofishing Location [19]

EFA = Location Surveyed Only in 1983 [5]

EF[MT] = EF at 1982 MT Location [8]

▲Q = Quantitative Study Reach [6]

B = Benthos Location [11]

TC = Transport Corridor Crossing [7]

AP = Airport Facility [2]

Division for Habitat Sections

Lake and Pond Location

ACE 7752047

LOCATION MAP

Approximate Mean Declination 1950

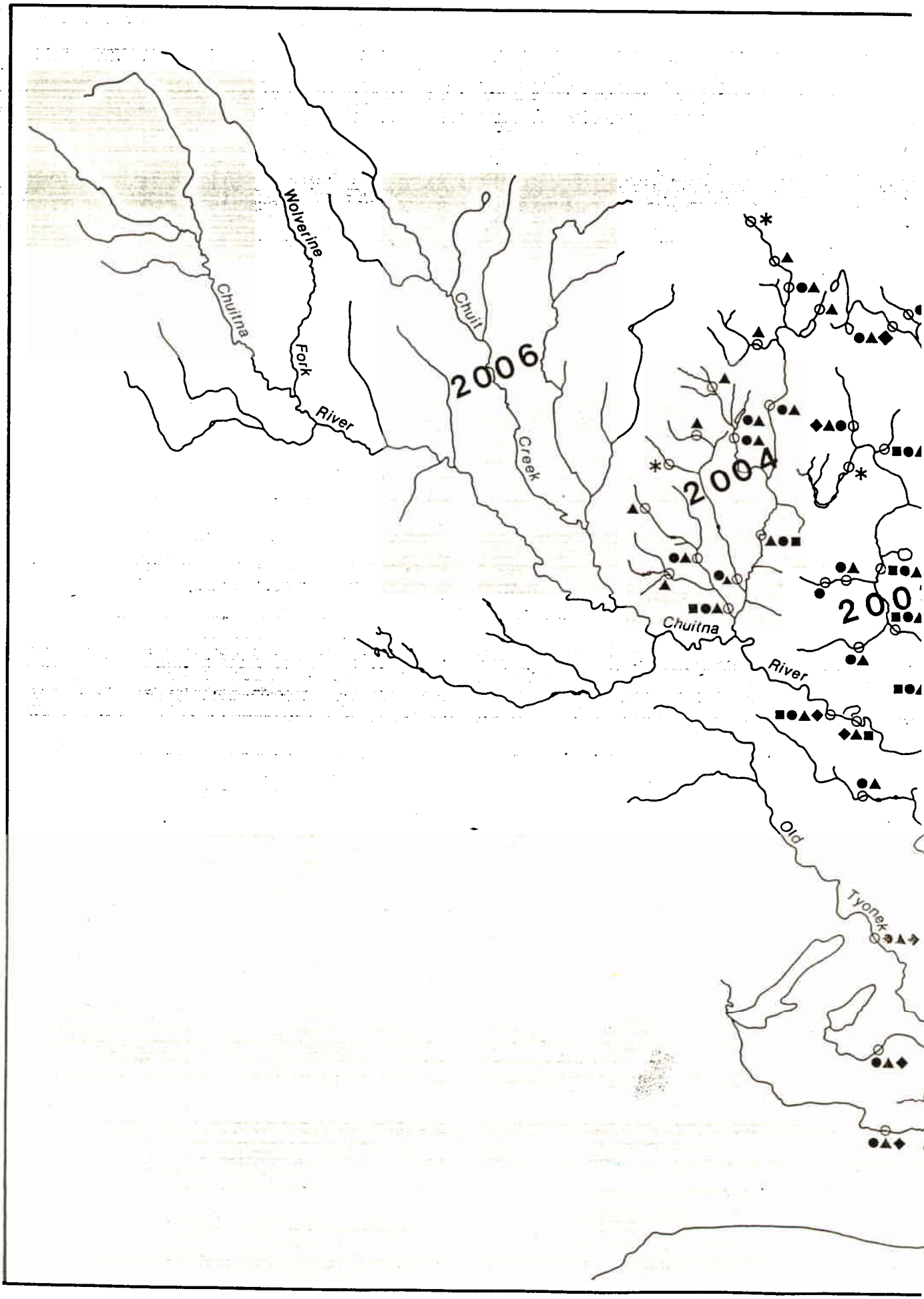
DIAMOND CHUITNA PROJECT

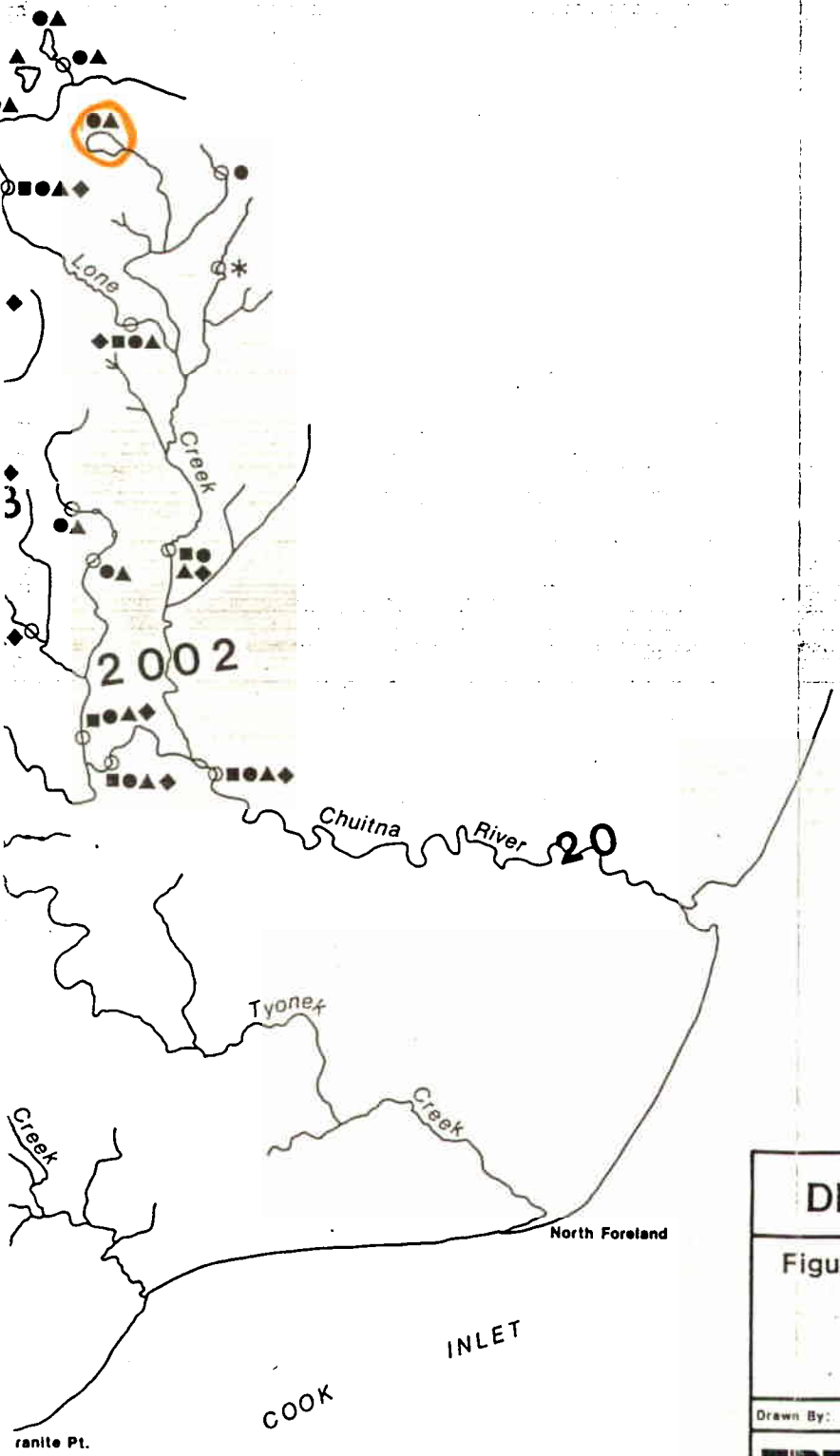
Figure 2-2 Aquatic Sampling Locations [1983]

Drawn By:	Checked By:	Approved By:	Date: 11/83

ERT ENVIRONMENTAL RESEARCH & TECHNOLOGY INC

Drawing No. B746.049


Wolverine
Chuitna
Fork
River
Chuit
2006
Creek
2004
Chuitna
River
Old
Tyonek



LEGEND

- ■ Chinook
- ● Coho
- ▲ Dolly Varden
- ◆ Rainbow Trout
- * No Fish Collected

ACE 7752048
-15

LOCATION MAP

Approximate Mean Declination 1950

DIAMOND CHUITNA PROJECT

Figure 3-1 Distribution of ~~Juvenile Salmonids~~ in the Chuitna River, Old Tyonek Creek, and Tyonek Creek Drainages [~~1983~~].

Drawn By:	Checked By:	Approved By:	Date: 11/83

ERT ENVIRONMENTAL RESEARCH & TECHNOLOGY INC

Drawing No. B746.051

DIAMOND CHUITNA PROJECT

Aquatic Biology

Baseline Studies Report

Prepared for

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Anchorage, Alaska

Prepared by

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Fort Collins, Colorado

Volume II - Appendices

February 1984

ACE 7752054
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TABLE C-3

TOTAL NUMBERS, PERCENT COMPOSITION, AND CPUE[1] OF JUVENILE FISH
COLLECTED BY MINNOW TRAPPING IN WATERSHED 2003-IN 1982
DIAMOND-CHUITNA PROJECT

Location and Sample Date / Species	Total No.	CPUE	%	Total No.	CPUE	%	Total No.	CPUE	%	Total No.	CPUE	%	Total No.	CPUE	%	Total No.	CPUE	%
Location 2003-MT1	June 29, 30			July 21, 22			Aug. 9, 10			Aug. 30, 31			Sept. 19, 20			Oct. 9, 10		
Chinook	1	<0.1	0.5	0	0	0	91	4.5	59.1	265	13.2	62.9				135	6.7	82.3
Coho	34	1.7	18.6	109	5.4	42.4	37	1.8	24.0	36	1.8	8.6				7	0.3	4.3
Dolly Varden	115	5.8	62.8	136	6.8	52.9	19	1.0	12.3	104	5.2	24.7				19	1.0	11.6
Rainbow Trout	33	1.6	18.0	7	0.4	2.7	7	0.4	4.5	13	0.7	3.1				3	0.2	1.8
Sculpin	0	0	0	4	0.2	1.6	0	0	0	0	0	0				0	0	0
Other (lamprey)	0	0	0	1	<0.1	0.4	0	0	0	3	0.2	0.7				0	0	0
TOTAL	183	9.2	100.0	257	12.9	100.0	154	7.7	100.0	421	21.1	100.0	2			164	8.2	100.0
Location 2003-MT2	June 29, 30			July 22, 24			Aug. 9, 10			Aug. 29, 30			Sept. 19, 20			Oct. 9, 10		
Chinook	3	0.2	2.4	0	0	0	85	4.3	42.5	342	17.1	70.4				131	6.6	73.6
Coho	35	1.8	27.8	261	13.0	49.2	109	5.4	54.5	54	2.7	11.1				30	1.5	16.9
Dolly Varden	48	2.4	38.1	213	10.7	40.4	0	0	0	76	3.8	15.6				6	0.3	3.4
Rainbow Trout	37	1.8	29.4	54	2.7	10.2	5	0.2	2.5	14	0.7	2.9				9	0.4	5.0
Sculpin	1	<0.1	0.8	1	<0.1	0.2	1	<0.1	0.5	0	0	0				2	0.1	1.1
Other (lamprey)	2	0.1	1.6	0	0	0	0	0	0	0	0	0				0	0	0
TOTAL	126	6.3	100.0	530	26.5	100.0	200	10.0	100.0	486	24.3	100.0	2			178	8.9	100.0
Location 2003-MT3	June 30-July 1			July 24, 25			Aug. 9, 10			Aug. 29, 30			Sept. 19, 20			Oct. 9, 10		
Chinook	7	0.4	7.4	0	0	0	0	0	0	0	0	0	2	0.1	1.2	0	0	0
Coho	33	1.6	35.1	41	2.0	52.6	73	3.7	68.9	67	3.4	53.2	86	4.3	53.4	14	0.7	48.3
Dolly Varden	12	0.6	12.8	6	0.3	7.7	6	0.3	5.7	34	1.7	27.0	61	3.0	37.9	8	0.4	27.6
Sculpin	42	2.1	44.7	31	1.6	39.7	27	1.4	25.5	25	1.2	19.8	12	0.6	7.4	7	0.3	24.1
TOTAL	94	4.7	100.0	78	3.9	100.0	106	5.3	100.0	126	6.3	100.0	161	8.0	100.0	29	1.4	100.0
Location 2003-MT4	June 29, 30			July 21, 22			Aug. 9, 10			Aug. 29, 30			Sept. 19, 20			Oct. 9, 10		
Chinook	5	0.2	4.5	2	0.1	0.5	31	1.6	14.5	168	8.4	32.4				37	1.8	37.4
Coho	66	3.3	58.9	282	14.1	77.5	126	6.3	58.9	244	12.2	47.0				50	2.5	50.5
Dolly Varden	30	1.5	26.8	60	3.0	16.5	41	2.0	19.1	94	4.7	18.1				5	0.2	5.0
Rainbow Trout	2	0.1	1.8	0	0	0	0	0	0	3	0.2	0.6				4	0.2	4.0
Sculpin	6	0.3	5.3	20	1.0	5.5	16	0.8	7.5	3	0.2	0.6				3	0.2	3.0
Others (lamprey)	3	0.2	2.7	0	0	0	0	0	0	7	0.4	1.3				0	0	0
TOTAL	112	5.6	100.0	364	18.2	100.0	214	10.7	100.0	519	26.0	100.0	2			99	4.9	100.0

ACE 7752055

TABLE C-3 (CONTINUED)

Location and Sample Date / Species	Total No.	CPUE	%	Total No.	CPUE	%	Total No.	CPUE	%	Total No.	CPUE	%	Total No.	CPUE	%	Total No.	CPUE	%
Location 2003-MT5	June 30-July 1			July 20, 21			Aug. 10, 11			Aug. 29, 30			Sept. 19, 20			Oct. 8, 9		
Chinook	1	<0.1	2.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coho	0	0	0	0	0	0	0	0	0	0	0	0	1	0.05	8.3	0	0	0
Dolly Varden	0	0	0	0	0	0	0	0	0	0	0	0	1	0.05	8.3	0	0	0
Sclupin	33	1.6	97.1	42	2.1	100.0	21	1.0	100.0	16	0.8	100.0	10	0.6	83.3	3	0	100.0
Other																		
TOTAL	34	1.7	100.0	42	2.1	100.0	21	1.0	100.0	16	0.8	100.0	12	0.7	100.0	3	0	100.0
Location 2003-MT6	June 30-July 1			July 24, 25			Aug. 10, 11			Aug. 30, 31			Sept. 19, 20			Oct. 8, 9		
Chinook	0	0	0	31	1.6	22.1	148	7.8	43.8	367	18.4	51.7	404	20.2	50.0	186	9.3	40.5
Coho	97	5.1	76.4	56	2.8	40.0	130	6.8	38.5	207	10.4	29.2	326	16.3	40.3	254	12.7	55.3
Dolly Varden	28	1.5	22.0	36	1.8	25.7	49	2.6	14.5	126	6.3	17.7	68	3.4	8.4	12	0.6	2.6
Sculpin	2	0.1	1.6	16	0.8	11.4	11	0.6	3.2	8	0.4	1.1	9	0.4	1.1	5	0.2	1.1
Other (lamprey)	0	0	0	1	<0.1	0.7	0	0	0	2	0.1	0.3	1	<0.1	0.1	2	0.1	0.4
TOTAL	127	6.7	100.0	140	7.0	100.0	338	17.8	100.0	710	35.5	100.0	808	40.4	100.0	459	22.9	100.0
Location 2003-MT7	July 1, 2			July 22, 23			Aug. 10, 11			Aug. 30, 31			Sept. 19, 20			Oct. 9, 10		
Chinook	1	<0.1	1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coho	20	1.0	32.3	67	3.4	49.6	56	2.8	62.9	93	4.6	64.6	54	2.7	40.9	40	2.0	70.2
Dolly Varden	30	1.5	48.4	53	2.6	39.3	27	1.4	30.3	45	2.3	31.2	76	3.8	57.6	16	0.8	28.0
Sculpin	11	0.6	17.7	15	0.8	11.1	6	0.3	6.8	6	0.3	4.2	2	0.1	1.5	1	<0.1	1.8
TOTAL	62	3.1	100.0	135	6.8	100.0	89	4.5	100.0	144	7.2	100.0	132	6.6	100.0	57	2.8	100.0

[1] CPUE = Catch per unit effort expressed as number of fish per trap.

[2] No traps were set at these locations due to high water conditions.

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