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 (59) Tyonek A-4

Name of Waterway trib of 247-20-10010-2030-3012

Anadromous Water Catalog Number of Waterway _____

Change to _____ Atlas

_____ Catalog

_____ Both

Addition X

Deletion _____

Correction _____

Name addition:

USGS name unknown

Local name unknown

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

For Office Use

Nomination # 47-401

Carl Yanagawa 10/28/86
Regional Supervisor Date

OKSR 10/31/86

F1 10/29
Drafted Date

Species	Date(s) Observed	Spawning	Rearing	Migration
Chinook salmon	1982		X	
Coho salmon	1982		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 1982 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.

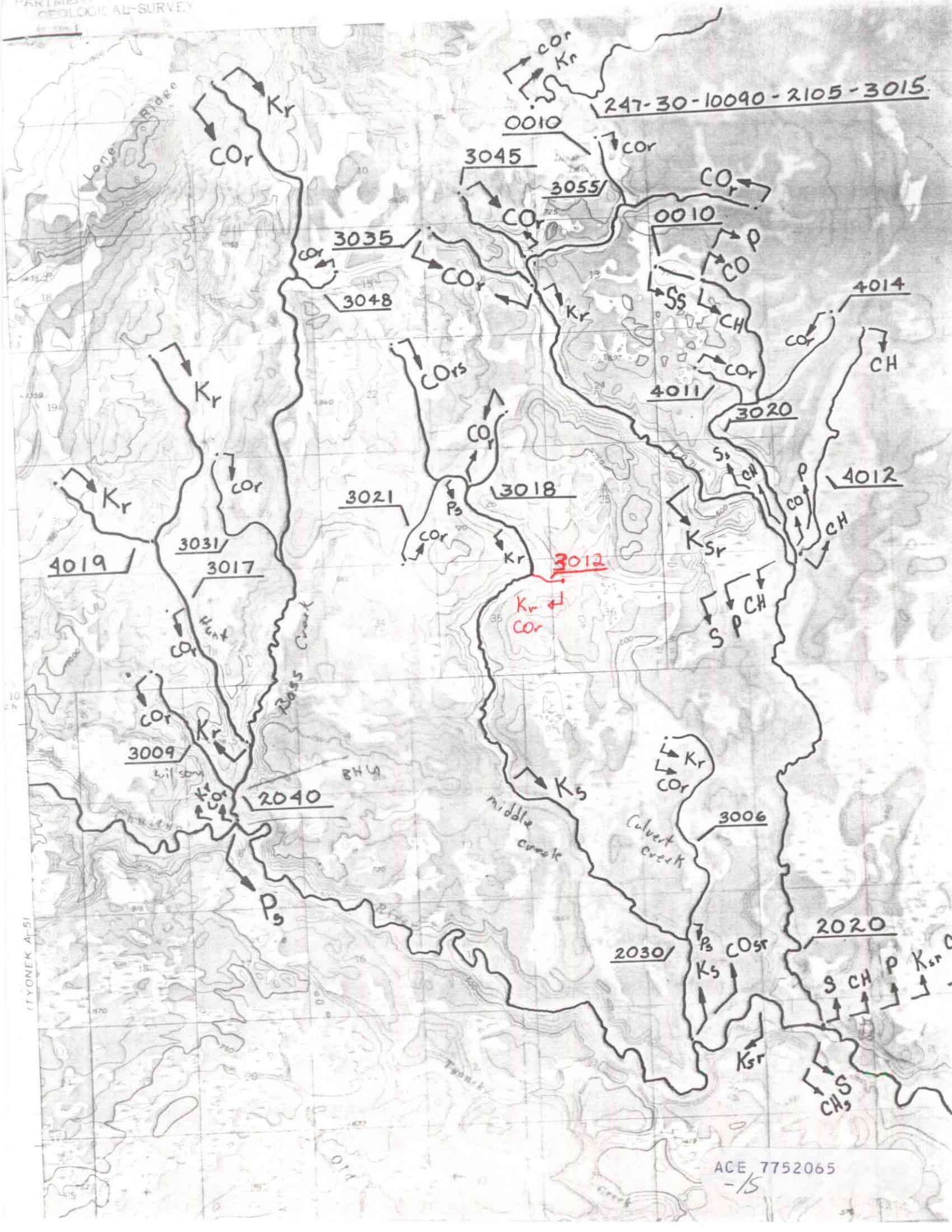
Name of Observer (please print) ERT Consultants

Date: _____ Signature: _____

Address: Fort Collins, Colorado

Signature of Area Biologist: Ken DeLaney

ACE 7752064
+15/SG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247-30-10090-2105-3015
0010
3045
3055
0010
3035
3048
4014
4011
3020
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3021
3018
3012
4019
3031
3017
3009
2040
3006
2020
2030
Lone Ridge
Hunt
Boss Creek
Wilson
BHLA
middle creek
Culvert Creek
ITYONEK A-51
ACE 7752065
-15

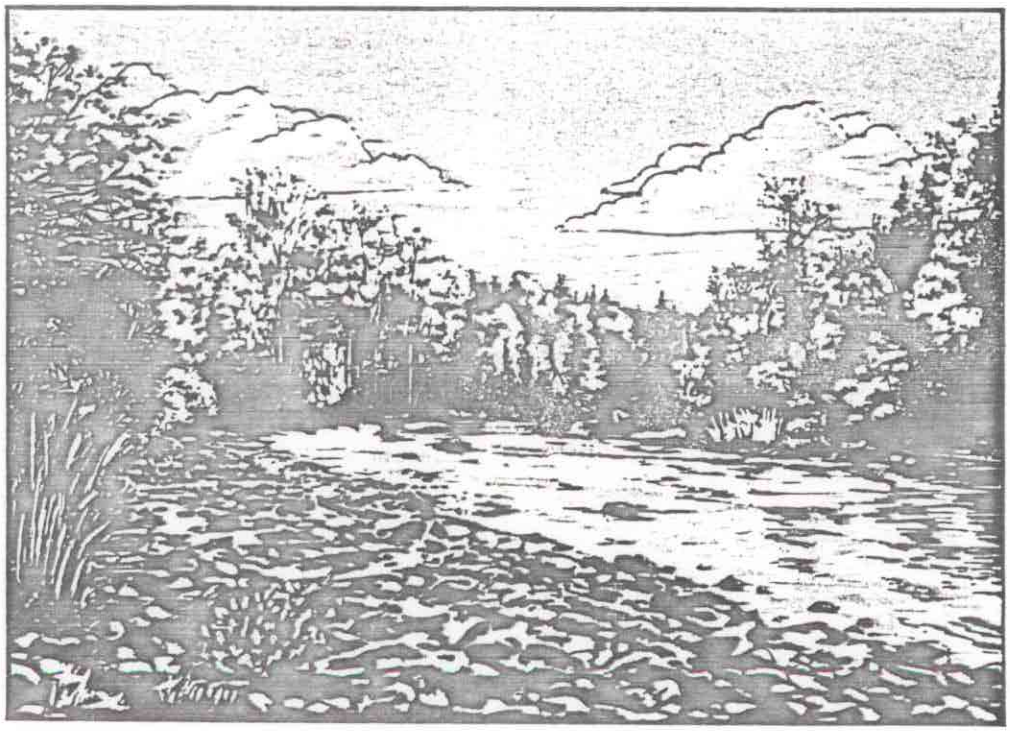
DIAMOND CHUITNA PROJECT

Aquatic Biology

Baseline Studies Report

Prepared for

DIAMOND SHAMROCK - CHUITNA COAL JOINT VENTURE
Anchorage, Alaska



Prepared by

ENVIRONMENTAL RESEARCH & TECHNOLOGY, INC.
Fort Collins, Colorado

Volume II - Appendices

February 1984

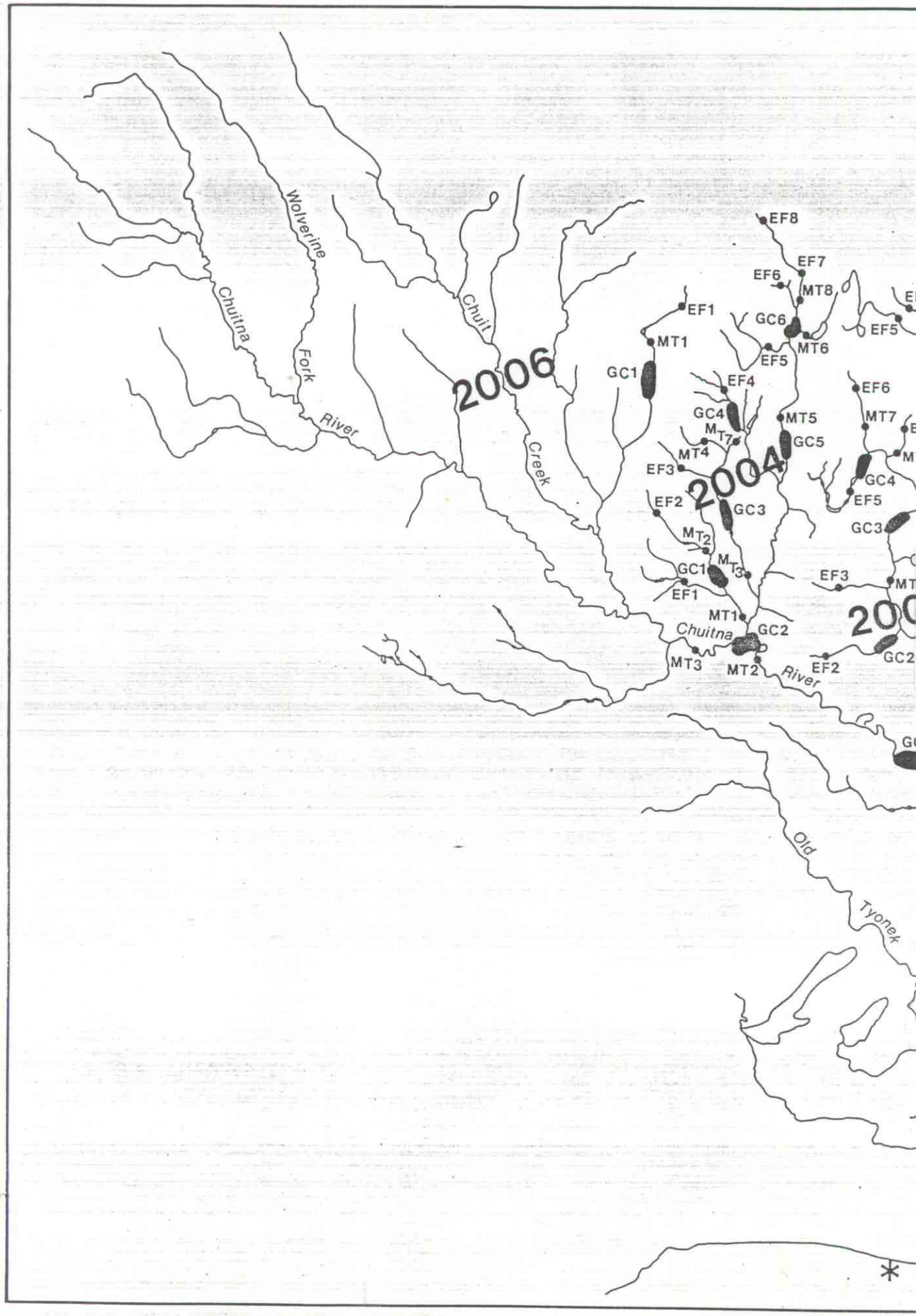
ACE 7752066
HS

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 7752067


Wolverine
Chuitna
Fork
River
Chuit
2006
Creek
EF8
EF7
EF6
MT8
EF1
GC6
EF5
MT1
MT6
GC1
EF5
EF4
EF6
GC4
MT5
MT7
MT7
GC5
MT4
2004
EF3
GC4
EF2
GC3
EF5
GC3
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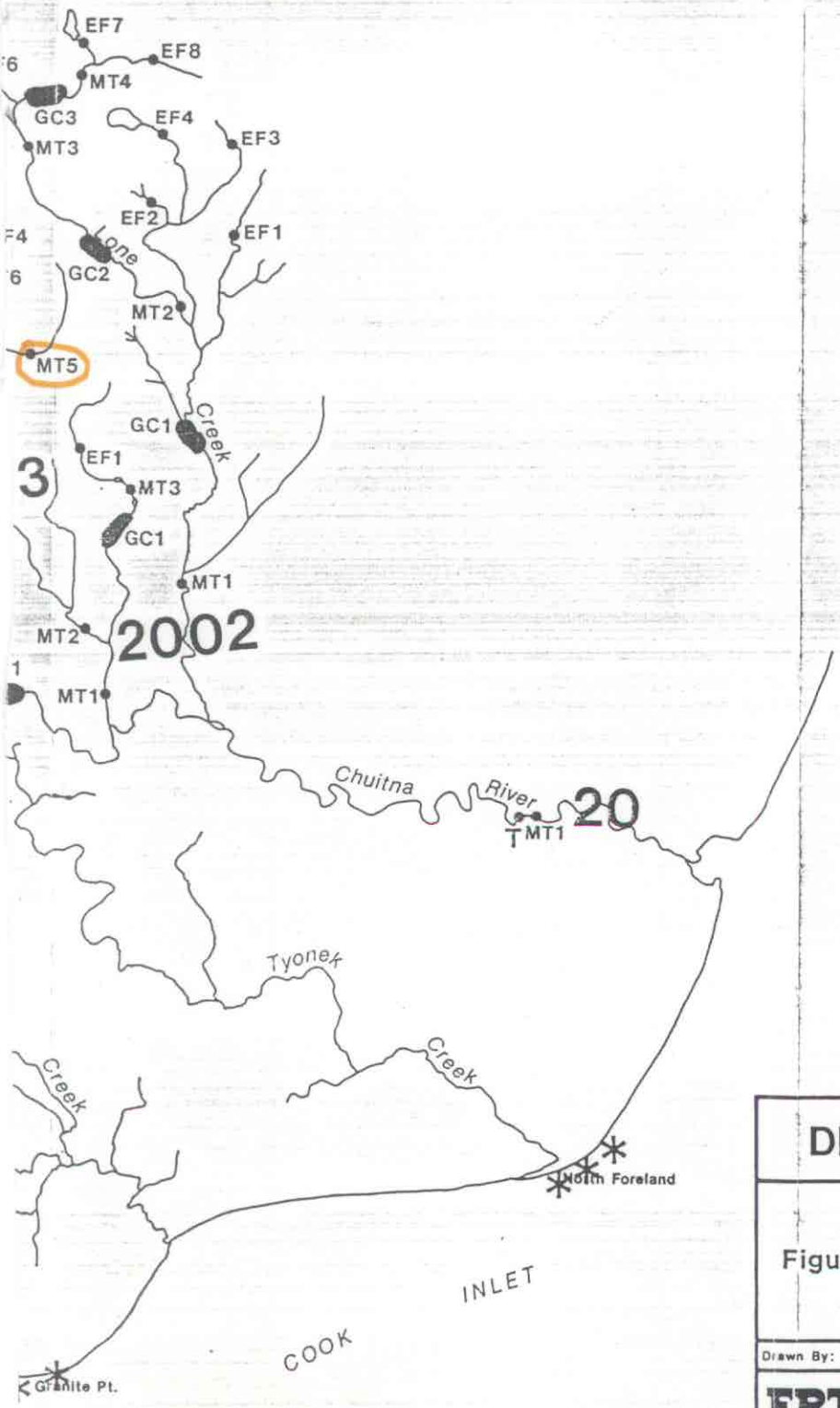
Chuitna
GC2
MT3
MT2
EF2
GC2
River
Old
Tyonek



LEGEND

MT Minnow Trap Location

EF Electrofishing Location

T Counting Tower Location

GC Ground Count Site

✳ Nearshore Marine Location

ACE 7752070

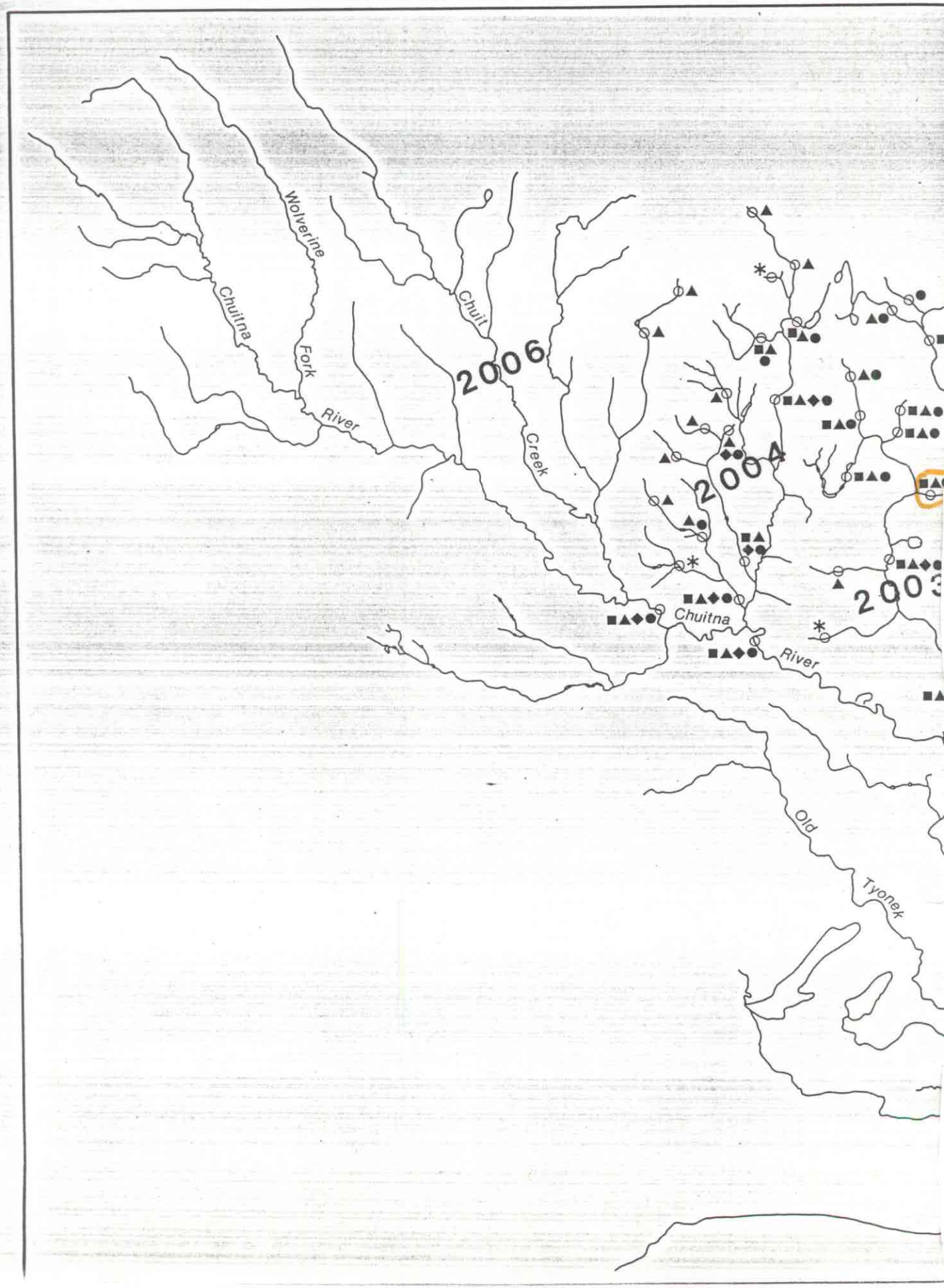
LOCATION MAP

Approximate Mean Declination 1950

DIAMOND CHUITNA PROJECT

Figure 2-3 Aquatic Sampling Locations [1982].

Drawn By:	Checked By:	Approved By:	Date: 11/83
ERT ENVIRONMENTAL RESEARCH & TECHNOLOGY INC		Drawing No. B746.050	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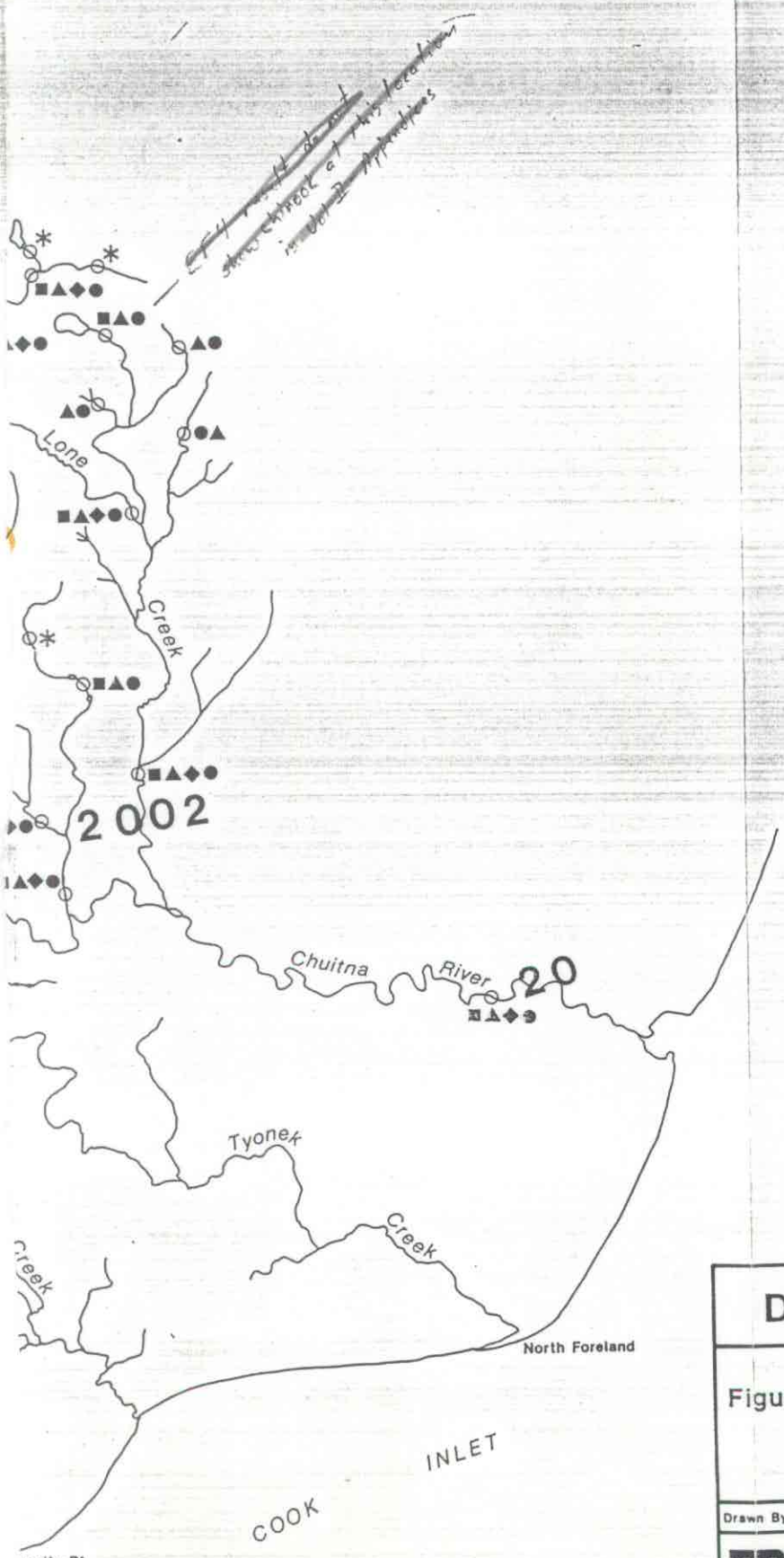
Chuitna
Fork
River
Chuit
Creek
2006
2004
2003
Chuitna
River
Old
Tyonek



LEGEND

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

ACE 7752071
-15/SG

LOCATION MAP

Approximate Mean Declination 1950

DIAMOND CHUITNA PROJECT

Figure 3-2 Distribution of Juvenile Salmonids in the Chuitna River Drainage [1982].

Drawn By:	Checked By:	Approved By:	Date: 11/83
ERT ENVIRONMENTAL RESEARCH & TECHNOLOGY INC		Drawing No. B746.052	

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.

ACE 7752068
-25

DIAMOND CHUITNA PROJECT

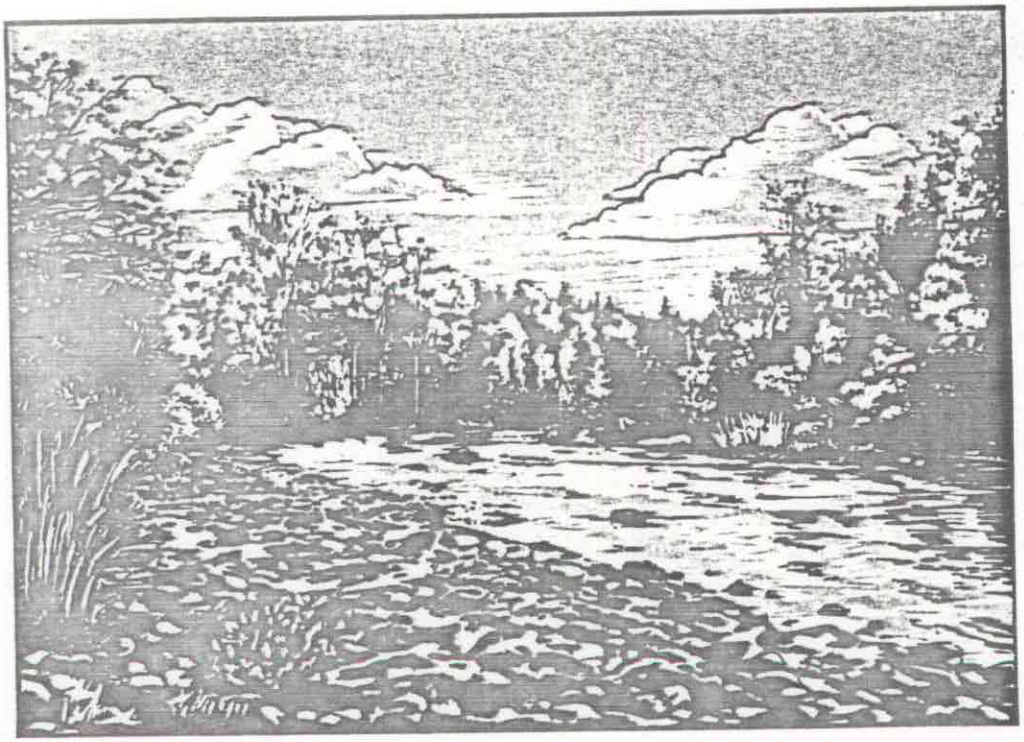
Aquatic Biology

Baseline Studies Report

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

Prepared for

DIAMOND SHAMROCK - CHUITNA COAL JOINT VENTURE
Anchorage, Alaska



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Fort Collins, Colorado

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