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 Lone Creek

Anadromous Water Catalog Number of Waterway

247-20-10010-2020

Change to _____ Atlas

_____ Catalog

_____ Both

Addition X

Deletion _____

Correction _____

Name addition:

USGS name Lone Creek

Local name Lone Creek

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

For Office Use

Nomination # 82-140

Carl Yanagawa 10/28/86
Regional Supervisor Date

OK SJS 10/31/86

FI 10/29
Drafted Date

Species	Date(s) Observed	Spawning	Rearing	Migration
Chinook 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.

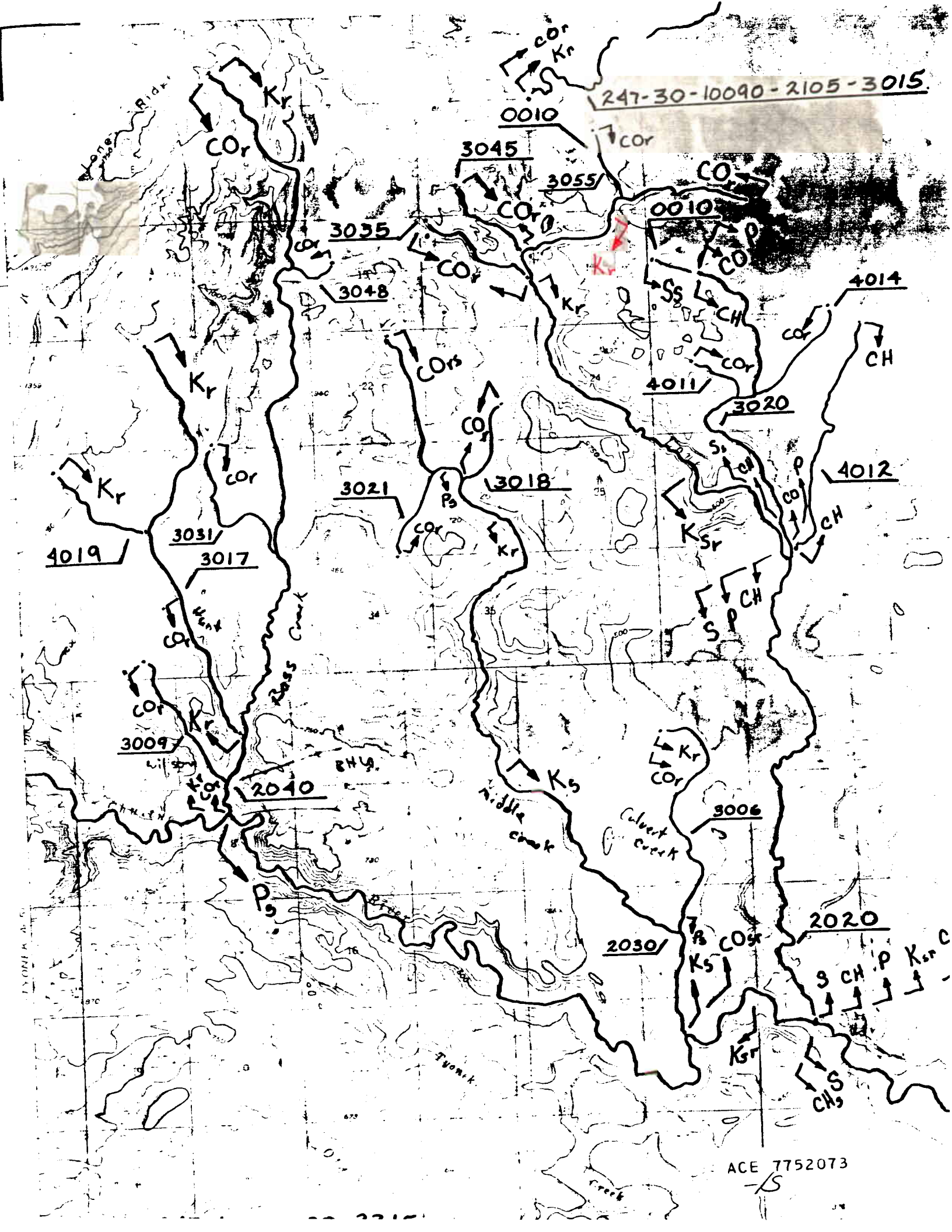
Name of Observer (please print) ERT Consultants

Date: _____ Signature: _____

Address: Fort Collins, Colorado

Signature of Area Biologist: Ken DeLaney

ACE 7752072
HS/SG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4019
3031
3017
3009
2040
3006
2020
2030
Middle Creek
Culvert Creek
Tyonek
ACE 7752073

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

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+15

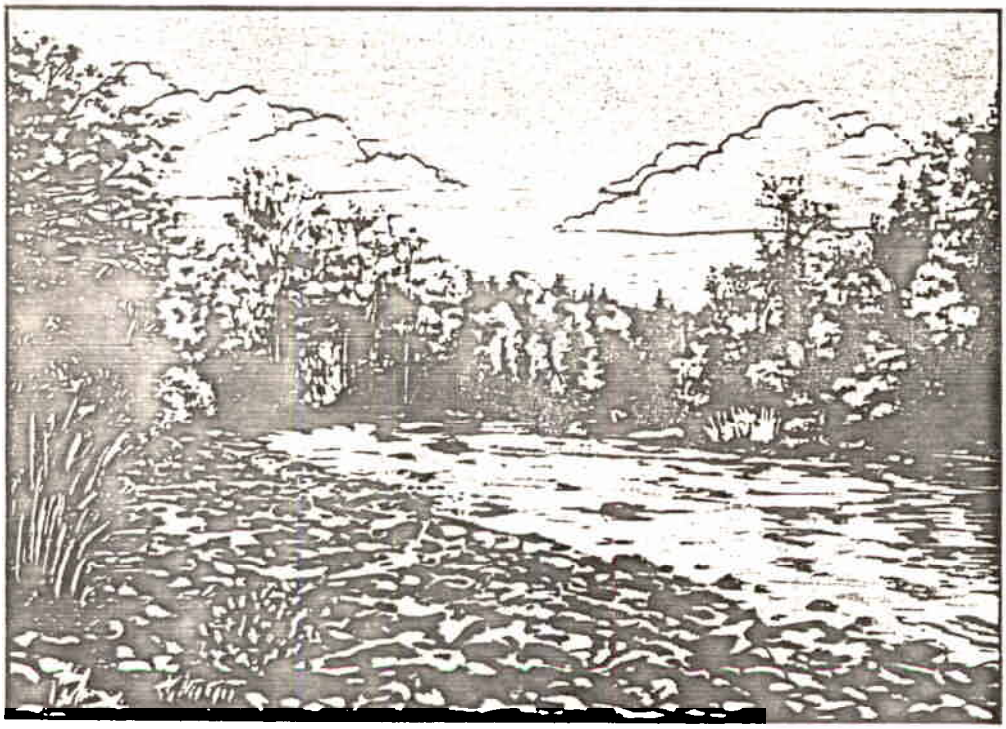
DIAMOND CHUITNA PROJECT

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

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HS

TABLE C-2

TOTAL NUMBERS, PERCENT COMPOSITION, AND CPUE[1] OF ~~JUVENILE FISH~~

COLLECTED BY ~~MINNOW TRAPS~~ IN WATERSHED 2002 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 2002-MT1	June 30-July 2			July 24, 25			Aug. 12, 13			Sept. 1, 2			Sept. 20, 21			Oct. 14, 15		
Chinook				154	7.7	48.6	245	12.2	30.7	458	22.9	53.1				173	8.6	60.7
Coho				114	5.7	36.0	504	25.2	63.1	336	16.8	39.0				80	4.0	28.1
Dolly Varden				31	1.7	9.8	23	1.2	2.9	51	2.6	5.9				24	1.2	8.4
Rainbow Trout				7	0.4	2.2	22	1.1	2.8	9	0.4	1.1				6	0.3	2.1
Sculpin				9	0.4	2.8	3	0.2	0.4	8	0.4	0.9				2	0.1	0.7
Other (lamprey)				2	0.1	0.6	2	0.1	0.2	0	0	0		3		0	0	0
Total		2		317	16.0	100.0	799	40.0	100.0	862	43.1	100.0				285	14.2	100.0
Location 2002-MT2	June 30-July 1			July 24, 25			Aug. 10, 11			Aug. 31-Sept. 1			Sept. 20, 21			Oct. 13, 14		
Chinook	11	0.6	6.9	28	1.6	12.7	123	6.5	38.7	218	10.9	37.3				123	6.2	55.2
Coho	130	6.5	81.2	180	10.0	81.4	164	8.6	51.6	307	15.4	52.6				81	4.0	36.3
Dolly Varden	9	0.4	5.6	8	0.4	3.6	19	1.0	6.0	36	1.8	6.2				10	0.5	4.5
Rainbow Trout	5	0.2	3.1	4	0.2	1.8	8	0.4	2.5	20	1.0	3.4				4	0.2	1.8
Sculpin	5	0.2	3.1	1	<0.1	0.4	3	0.2	0.9	3	0.2	0.5				5	0.3	2.2
Other (lamprey)	0	0	0	0	0	0	1	<0.1	0.3	0	0	0				0	0	0
Total	160	8.0	100.0	221	12.3	100.0	318	16.7	100.0	584	29.3	100.0		3		223	11.2	100.0
Location 2002-MT3	July 1, 2			July 22, 23			Aug. 11, 12			Aug. 31-Sept. 1			Sept. 20, 21			Oct. 10, 11		
Chinook	13	0.7	12.3	0	0	0	0	0	0	0	0	0				0	0	0
Coho	61	3.4	57.5	342	17.1	70.8	382	20.1	80.3	516	25.8	75.5				251	12.6	90.6
Dolly Varden	12	0.7	11.3	109	5.4	22.6	81	4.3	17.0	152	7.6	22.3				21	1.0	7.6
Rainbow Trout	2	0.1	1.9	14	0.7	2.9	5	0.3	1.0	11	0.6	1.6				1	<0.1	0.4
Sculpin	16	0.9	15.1	18	0.9	3.7	8	0.4	1.7	4	0.2	0.6				4	0.2	1.4
Other (three-spined stickleback)	2	0.1	1.9	0	0	0	0	0	0	0	0	0				0	0	0
Total	106	5.9	100.0	483	24.1	100.0	476	25.1	100.0	683	34.2	100.0		3		277	13.8	100.0

ACE 7752078

TABLE C-2 (CONTINUED)

Species	Total No.	No. Trap	%	Total No.	No. Trap	%	Total No.	No. Trap	%	Total No.	No. Trap	%	Total No.	No. Trap	%	Total No.	No. Trap	%
Location 2002-MT4	July 1, 2			July 22, 23			Aug. 11, 12			Aug. 31 to Sept. 1			Sept. 20, 21			Oct. 10, 11		
Chinook	3	0.1	2.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coho	72	3.6	58.5	385	19.2	70.4	429	21.4	85.1	477	23.8	72.4	249	17.4	66.7	163	8.2	91.1
Dolly Varden	31	1.6	25.2	144	7.2	26.3	71	3.6	14.1	177	8.8	26.8	170	8.5	32.5	14	0.7	7.8
Rainbow Trout	2	0.1	1.6	4	0.2	0.7	0	0	0	1	<0.1	0.2	0	0	0	0	0	0
Sculpin	15	0.8	12.2	13	0.6	2.4	4	0.2	0.8	3	0.2	0.4	4	0.2	0.8	2	0.1	1.1
Other (lamprey)	0	0	0	1	<0.1	0.2	0	0	0	1	<0.1	0.2	0	0	0	0	0	0
Total	123	6.2	100.0	547	27.3	100.0	504	25.2	100.0	659	33.0	100.0	523	26.1	100.0	179	9.0	100.0

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

[2] No traps were set at Location 2002 - MT1, since access to Tyonek Reservation land had not been acquired.

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

ACE 7752079
-/5/56