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

AWC Volume SE (SC) SW W AR IN USGS Quad Cordova C-2

Anadromous Water Catalog Number of Waterway 212-20-10080-2055

Name of Waterway Grinnell Glacier outlet Chinaman Slough channel USGS name ✓ Local name ___

Addition ✓ Deletion ___ Correction ___ Backup Information ___

For Office Use

Nomination # 93 090 '93	[signature] Regional Supervisor	10/30/92 Date
Revision Year:		
Revision to: Atlas ___ Catalog ___ Both X	Ed Weiss	12/15/92
Revision Code: A-2	L. Irons Drafted	12/21/92 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
King Salmon	8/28/92		✓		✓ all
Coho "	8/28/92		✓		✓ all
Sockeye	8/28/92		✓		✓

Provide any clarifying information, including number of fish observed, location of fish survey data, etc. Attach a copy of the fish survey data, if available. 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.

Comments: Site 4-B-4
This constitutes the main channel stream portion of Site 4-B-4 and is part of the Chinaman Slough system. This was a particularly active site with numerous fish of three species counted. Fish were observed and sampled in the Polygon 0910 feeding Stream 2055 and part of the upstream portion which drains Grinnell Glacier. 2055 = Grinnell Glacier to Copper R Mainstem
* Note Consult Photo section for clarification

Name of Observer (please print) (Cevin Gilliland + Mike Wiedmer)

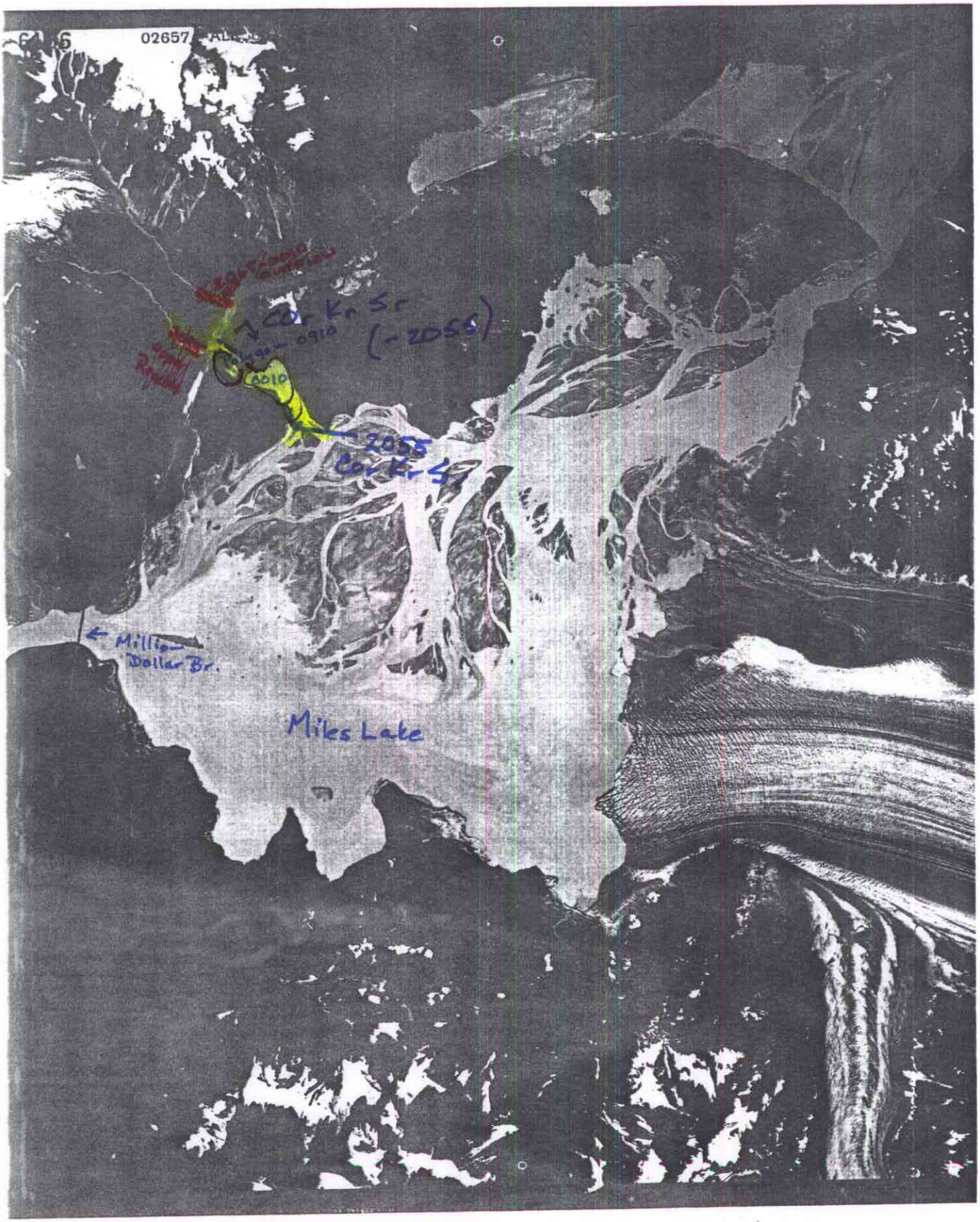
Date: 10/13/92 Signature: Cevin Gilliland

Address: HABITAT/REGION II State of Alaska DEPARTMENT OF FISH & GAME 333 Raspberry Rd. Anchorage, AK 99518-1599

ALASKA DEPT. OF FISH & GAME OCT 13 1992 REGION II HABITAT DIVISION

Signature of Area Biologist: ___

Rev 12/91

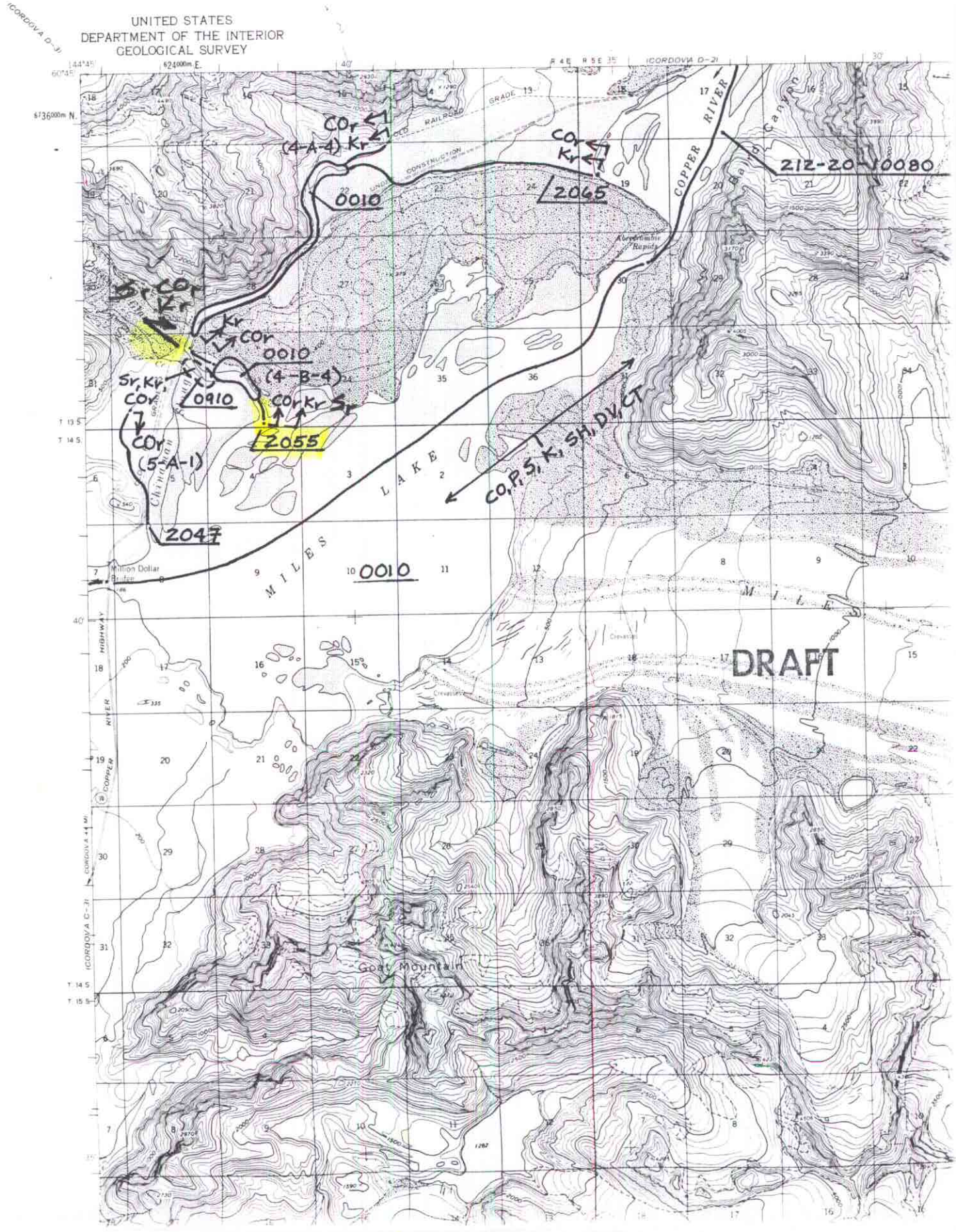


CR# # 2 (Million # Br. to Tiekel (

2H TO

MATCH TO

(2)


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
COr
(4-A-4) Kr
0010
2065
COPPER RIVER
212-20-10080
Sr, COr
Kr
Kr
COr
0010
(4-B-4)
Sr, Kr,
COr
0910
COr, Kr Sr
2055
COr
(5-A-1)
2047
CO, P, S, K, SH, DV, CT
MILES LAKE
0010
DRAFT
Million Dollar
Bridge
COPPER RIVER HIGHWAY
Goat Mountain

8-8-39 COPPER R. HWY.
3
Sample Sites.
Polygon 0910
← Sample Sites
GRINNELL GLACIER DRNG. 2055
0010

COPPER RIVER FISH HABITAT SURVEY

Rev. 8/23/92

STATION NO: 2B4 DATE: 8/28/92 TIME: 1600

OBSERVERS: CG, MW TEAM: A (B) STREAM NO: _____

WEATHER: (PRT. CLDY)

STREAM STAGE: (MEDIUM)

PRECIP:

TODAY	0
YESTERDAY	0
THIS WEEK	2+"

TEMP: AIR ____ WATER ____ GRADIENT: ____°

WATER CLARITY: (CLEAR) (TURBID)

SUBSTRATE:

MUD	___
SAND	___
GRAVEL	___
COBBLE	___
BLDR/B-ROCK	___

100 %

STREAM DIMENSIONS:

WIDTH ____

DEPTH, LEFT BANK ____

DEPTH, RIGHT BANK ____

DEPTH, MID-CHANNEL ____

VELOCITY: None Slow Medium Fast

S. CHANNEL

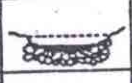
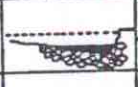
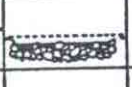
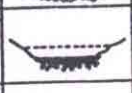
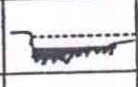
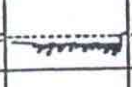
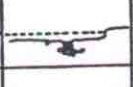
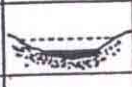
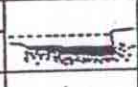
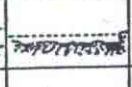
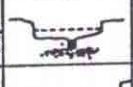
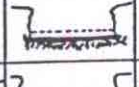
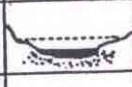
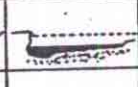
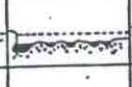
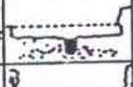
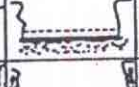
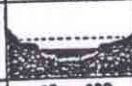
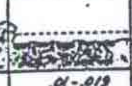
N. CHANNEL

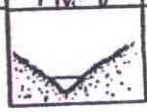
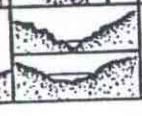
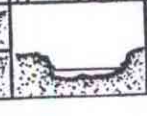
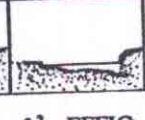
CHANNEL DIAGRAM (INCLUDE BANK & STREAM FEATURES, VEGETATION):

(GROUND & AERIAL)

ROLL NO. 112 FRAME NOS. 25-34

STREAM CLASSIFICATION (circle one):

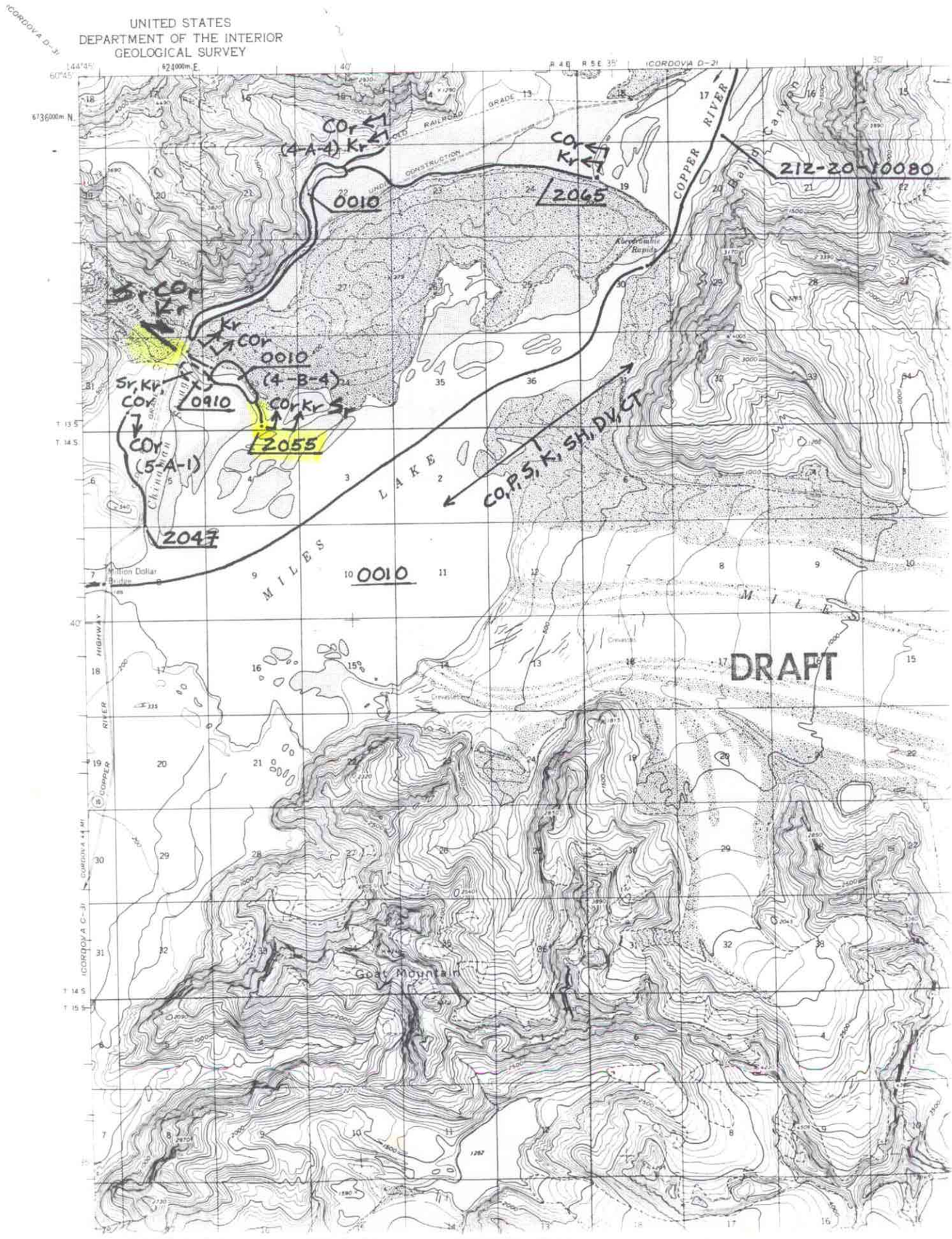
	A	B	C	D	E	F	G
DOMINANT BED MATERIAL 1 BEDROCK							
2 BOULDER							
3 COBBLE							
4 GRAVEL							
5 SAND							
6 SILT							
SLOPE	.04 - .099	.02 - .039	< .01	.01 - .019	< .02	< .02	.02 - .039
W/D RATIO	< 12	> 12	> 12	> 50	< 12	> 12	< 12
ER RATIO	1 - 1.4	1.41 - 2.2	> 2.2	> 2.2	> 2.2	1 - 1.4	1 - 1.4

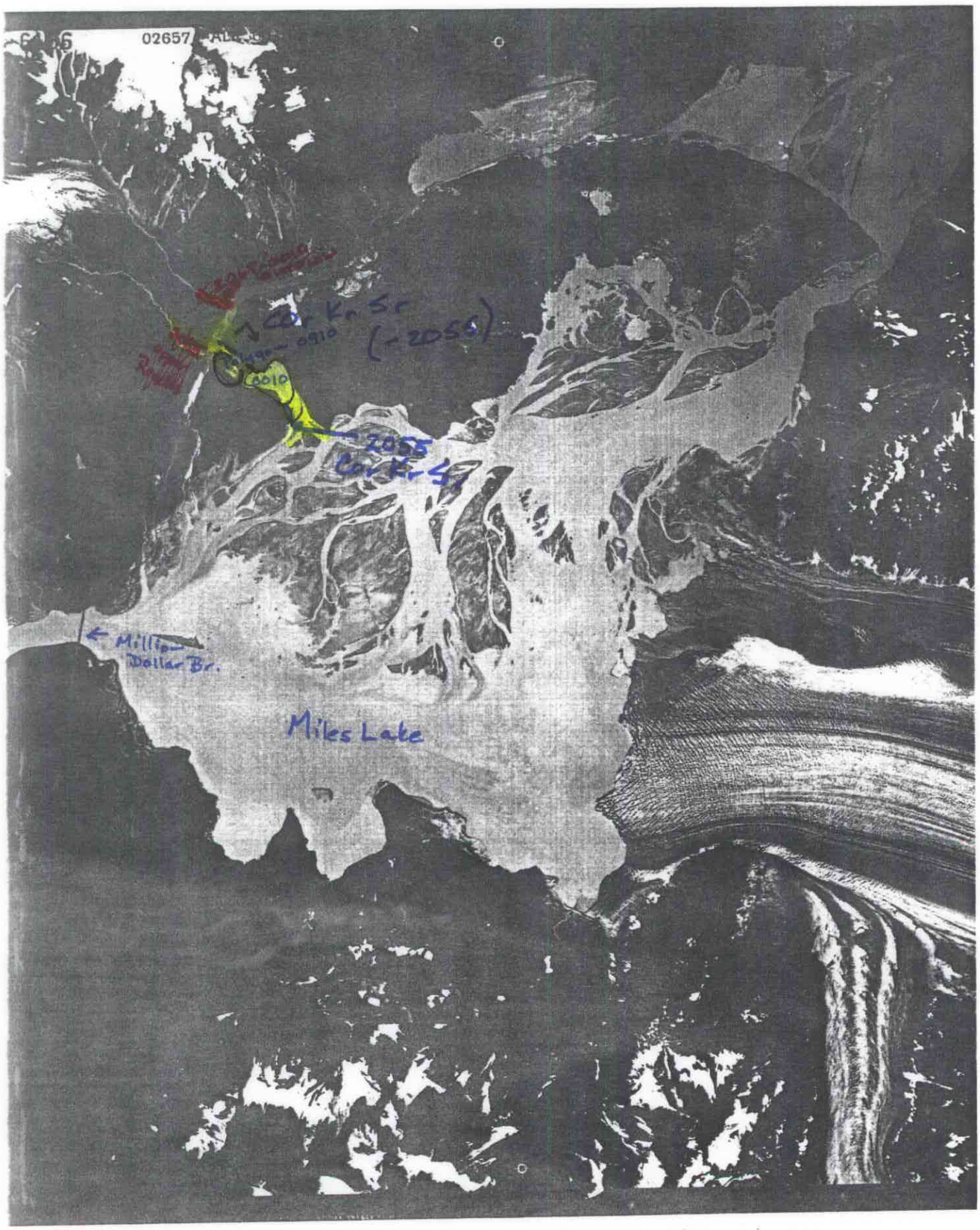
STREAM TYPE	A	D	B & G	F	C	E
PLAN VIEW						
CROSS-SECTION VIEW						

FISH SAMPLING: GEAR:____ TIME:____ sec AREA:____ ft² EFFIC:____ %

CO	D68	1							
K	D63 D72	1							
S	6048 375	D65 D57	D568 D55	D55	HH HH HH III				
CH									
P									
DV									

2


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(CORDOVA D-2)
(CORDOVA C-3)
COPPER RIVER
MILES LAKE
Million Dollar Bridge
Goat Mountain
Baird Canyon
Kocotrombie Rapids
212-20-10080
CO, P, S, K, SH, DV, CT
0010
2065
0010
(4-A-4)
0010
(4-B-4)
0910
2055
2047
0010
Sr, Kr, COr
COr
(5-A-1)
DRAFT



CR# # 2 (Million # Br. to Tiekel (

CH TO

MATCH TO

8-8-39 COPPER R. HWY.
3
Sample Sites.
GRINNELL GLACIER DRNG. 2055
Polygon 0910
← Sample Sites
0010

COPPER RIVER FISH HABITAT SURVEY

Rev. 8/23/92

STATION NO: 2B4 DATE: 8/28/92 TIME: 1600

OBSERVERS: CG, MW TEAM: A (B) STREAM NO: _____

WEATHER: (CLEAR) (PRT. CLDY.) (CLOUDY)

STREAM STAGE: (HIGH) (MEDIUM) (LOW)

PRECIP: TODAY 0 YESTERDAY 0 THIS WEEK 2+"

TEMP: AIR ____ WATER ____ GRADIENT: ____°

WATER CLARITY: (MUDDY) (MURKY) (STAINED) (CLEAR) (TURBID)

SUBSTRATE: (MUD) (SAND) (GRAVEL) (COBBLE) (BLDR/B-ROCK) 100 %

STREAM DIMENSIONS:

WIDTH ____

DEPTH, LEFT BANK ____

DEPTH, RIGHT BANK ____

DEPTH, MID-CHANNEL ____

VELOCITY: None Slow Medium Fast

CHANNEL DIAGRAM (INCLUDE BANK & STREAM FEATURES, VEGETATION):

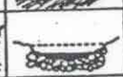
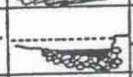
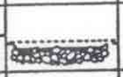
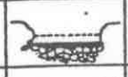
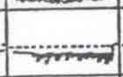
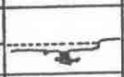
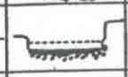
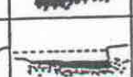
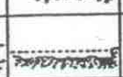
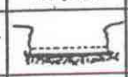
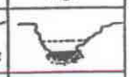
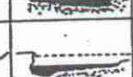
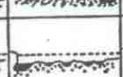
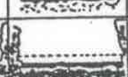
S. CHANNEL

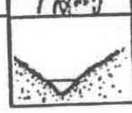
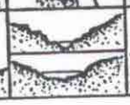
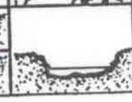
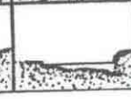
N. CHANNEL

(GROUND & AERIAL)

ROLL NO. M2 FRAME NOS. 25-34

STREAM CLASSIFICATION (circle one):

	A	B	C	D	E	F	G
DOMINANT BED MATERIAL 1 BEDROCK							
2 BOULDER							
3 COBBLE							
4 GRAVEL							
5 SAND							
6 SILT							
SLOPE	.04 - .099	.02 - .039	< .01	.01 - .019	< .02	< .02	.02 - .039
W/D RATIO	< 12	> 12	> 12	> 50	< 12	> 12	< 12
ER RATIO	1 - 1.4	1.41 - 2.2	> 2.2	> 2.2	> 2.2	1 - 1.4	1 - 1.4

STREAM TYPE	A	D	B & G	F	C	E
PLAN VIEW						
CROSS-SECTION VIEW						

FISH SAMPLING: GEAR:____ TIME:____ sec AREA:____ ft² EFFIC:____ %

CO	068	1							
K	063 078	1							
S	048 375	068 057	058 055	055	IIII IIII III				
CH									
P									
DV									