

ADF&G MULTI-ASSESSMENT FORM  
1991 GENERAL ENTRY CHECKLIST



STREAM#: 2481010008  
SEGMENT: -0-

PAGE 42

DATE PRINTED: 06/21/91

LOCATION: COOK INLET, WEST SIDE, URSUS COVE LAGOON OUTLET

SURVEY TYPE: 90 PRE SCREEN - SS

METHOD: GROUND

DATE: 04/13/90

TEAM RECORDER: HILL

START TIME: 0910

OBSERVERS: MCLANE DUDIAK

END TIME: 1000

OG/HAB DISCREPANCIES: -

AGENCY: FG

PHOTOS TAKEN: Y

STATION: 2481010008

ROLL#: 90DDH003H

FRAME: 1

VIDEO TAKEN: N

TAPE#: -0-

START: -0-

END: -0-

SAMPLES TAKEN: N

SAMPLE NUMBERS: -0-

-0-

-0-

-0-

-0-

-0-

OIL IN STREAM BED: -

OVERALL OIL IMPACT: N

OIL ON BEACH BY MOUTH: -

WAVE EXPOSURE: -0-

SHORELINE TYPE: BEACH

SUBSTRATE TYPE: BEDROCK -0- BOULDER -0- COBBLE 10 VEGETAT -0-

GRAVEL 20 SAND 70 MUD/SILT -0- GRANULE -0-

ANADROMOUS FISH PRESENT: N

SPECIES: -0-

COUNT: -0-

-0-

-0-

-0-

-0-

-0-

-0-

-0-

-0-

ACE 10494108 +1s/p

ADF&G MULTI-ASSESSMENT FORM  
1991 OILING ENTRY CHECKLIST

PAGE 49

DATE PRINTED: 06/21/91

STREAM# : 2481010008  
SEGMENT#: -0-

SURVEY TYPE : 90 PRE SCREEN - SS      LOCATION: COOK INLET, WEST SIDE, URSUS  
DATE: 04/13/90      COVE LAGOON OUTLET  
TIMES: 0910 - 1000      TEAM RECORDER: HILL

-- OILING EXTENT --

SITE#	SITE TYPE	DEPTH (cm)	LENGTH (m)	WIDTH (m)	AREA (m)	%	THICK (cm)	PEN (cm)	OIL TYPE CODES
1	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	NOT AVAIL

COMMENTS:

THREE OBSERVERS WALKED .5 MILES & BACK FROM MOUTH OF RIVER TO ~~ROCKY~~ <sup>out-</sup> CROPPING SOUTH ALONG THE BEACH. NO OIL WAS OBSERVED. WE SURVEYED THE SPIT AT THE MOUTH OF URSUS LAGOON; NOT SPECIFICALLY A RIVER BUT A CHANNEL WHERE SALMON WOULD MIGRATE TOWARD THE ANADROMOUS RIVERS IN THE LAGOON.

ACE 10494109 -15

ASC NUMBER: 248-10-10008    SEGMENT NUMBER: *None*    YR CATALOGED:  
 LOCATION: *Cook Inlet, Kamishak Bay, Ursus Cove*  
 STREAM NAME: \_\_\_\_\_    LATITUDE: *59 31 31*  
 KODIAK K-UNIT: .    LOCAL STREAM #:    LONGITUDE: *153 46 46*  
 SGS QUADRANGLE: *Iliamna C-3*    ALL SEGMENTS:  
 SHORELINE TYPE: *Beach*  
 WAVE EXPOSURE: *High*

ASC NUMBER:  
 SURVEY TYPE: *Pre-screening*  
 METHOD: *Foot*  
 DATE: *4 / 13 / 90*  
 START TIME: *0910*  
 STOP TIME: *1000*

TEAM RECORDER: *Doug Hill*  
 OBSERVERS: *Susan McLane, Norma Dudiah*  
 AGENCY(IES): *ADF46*  
 PHOTOS TAKEN? *Yes*  
 Roll #: *9000H03H*    Frames: *1*  
 VIDEO TAKEN? *NO*    Tape Number:  
 Counter Start:

SAMPLES TAKEN? *NO*  
 SAMPLE I.D. NUMBERS: 1.    2.    3.  
                                   4.    5.    6.

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1							
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: *N*

OIL IN STREAM CHANNEL? *NO*  
 SUBSTRATE

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? *NO*

Bedrock	Granule
Boulder	Sand 10%
Cobble 10%	Silt
Pebble 20%	Veget.

SPECIES					
COUNT					

COMMENTS: *see "90" MAD comments*

*site 5-2 of 1989 AFMA*

ACE 10494110 + 15



Group B

West Side Cook Inlet

Prescreening Faxed Anchorage 4/12/90

ADF&G MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: BS SS DS TS AVS SCHA MMS PTA

2 REGION: PWS KP, CI K, AP

METHOD: Aerial Ground Boat Seldom in tide with Tiamna correction

3 DATE: 4-13-90

15 HIGH TIDE TIMES: 5:45

21 TEAM RECORDER: Doug Hill

4 START TIME: 0910

16 HIGH TIDE HTS: 13'

22 OBSERVERS: S. McLane, N. Pudlak

5 STOP TIME: 1000

17 LOW TIDE TIMES: 11:21

23 AGENCY: ADF & G

6 SEGMENT #: \_\_\_\_\_

18 LOW TIDE HTS: 1.37

24 PHOTOS TAKEN: Y N  
90-DDH-03-H

7 STATION #: \_\_\_\_\_

19 TIDE HT AT SURVEY: LOW

Roll #: \_\_\_\_\_ Frame: #1

8 K-UNIT: \_\_\_\_\_

Ebb Slack Flood Slack

25 VIDEO TAKEN: Y N TAPE#: \_\_\_\_\_

9 STAT AREA: 248-10

20 USCG QUAD: \_\_\_\_\_

Start: \_\_\_\_\_ End: \_\_\_\_\_

10 LAT: 59° 31.4 N

11 LONG: 153° 44.7 W

26 SAMPLES TAKEN? Y N Number

12 SOURCE: Map Loran

Oil \_\_\_\_\_

13 LOCATION: Kamishak Bay

Sediment \_\_\_\_\_

14 DESCRIPTION: Ursus Cove - mouth of lagoon

Biological \_\_\_\_\_

Water \_\_\_\_\_

EXTENT OF OIL

	SHORELINE				STREAM			
	L	W	M <sup>2</sup>	%	L	W	M <sup>2</sup>	%
27 SURFACE COVERAGE								

36 CATALOGED ANAD. FISH STREAM? Y N

28 SURFACE THICKNESS								
----------------------	--	--	--	--	--	--	--	--

37 CATALOG #: Un-cataloged

29 PENETRATION								
----------------	--	--	--	--	--	--	--	--

38 STREAM NAME: "Mouth Ursus Cove Lagoon"

30 OVERALL OIL IMPACT: N VL L M H

39 OIL IN STREAM BED? Y N  
Did not survey

31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain

40 OIL ON STREAM BANKS? Y N  
Surveyed only south shore of lagoon

32 OILED DEBRIS? Y N

41 OIL ON BEACH ADJACENT TO MOUTH? Y N  
None (within 50 meters) observed

33 SHORELINE TYPE: Headland Low-lying Rocks Beach Cove  
Lagoon Marsh

42 OIL WITHIN 1 MILE OF STREAM? Y N?  
Did not survey all area  
Where: \_\_\_\_\_

34 WAVE EXPOSURE: High Moderate Low

43 ANADROMOUS FISH PRESENT? Y N

35 SUBSTRATE TYPE: Bedrock \_\_\_\_\_ Boulder \_\_\_\_\_ Cobble X 10%  
Gravel X 20% Sand X 10% Mud/silt \_\_\_\_\_

44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground
back		

COMMENTS: Three observers walked .5 mile from mouth of river to rocky cropping south along the beach. No oil was observed

We surveyed the spit at the mouth of Ursus Lagoon not specifically a river but a channel where salmon would migrate toward the anadromous rivers in the lagoon.

ACE 10494111

ACE 1955650

Ursus Cove

FRAME(S)

DESCRIPTION

# /	DESCRIPTION
	Ursus Cove Stream Mouth

46 OIL DISTRIBUTION DIAGRAM

No AKADSCAT Anticipated

Survey not completed due to snow on beach.

= Sample taken

= Photo frame # and shot direction.

ACE 10494112-15

ACE 1955651

ASC NUMBER: 248-10-10008

SEGMENT NUMBER: None

YR CATALOGED:

LOCATION: Cook Inlet, Kamishak Bay, Ursus Cove

STREAM NAME:

KODIAK K-UNIT:

LOCAL STREAM #:

LATITUDE: 59 31 31

LONGITUDE: 153 46 46

LEGAL:

USGS QUADRANGLE: Iliamna C-3

SHORELINE TYPE: Beach

ALL SEGMENTS:

WAVE EXPOSURE: Moderate/High

ASC NUMBER:

SURVEY TYPE: Pre-screening

METHOD: FOOT

DATE: 4/13/90

START TIME: 0910

STOP TIME: 1000

TEAM RECORDER: Doug Hill

OBSERVERS: Susan McLANE, Norma Dudiah

AGENCY(IES): ADF&G

PHOTOS TAKEN? Yes

Roll #: 9000403H Frames: 1

VIDEO TAKEN? No Tape Number:

Counter Start:

SAMPLES TAKEN? No

SAMPLE I.D. NUMBERS: 1.

2.

3.

4.

5.

6.

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1							
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: N

OIL IN STREAM CHANNEL? No

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? No

SUBSTRATE

Bedrock	Granule 20%
Boulder	Sand 70%
Cobble 10%	Silt
<del>Pebble 20%</del>	Veget.

SPECIES					
COUNT					

COMMENTS: see "90" MAD comments

ACE 10494113 HS

Group B

West Side Cook Inlet

Prescreening

Faxed Anchorage 4/12/90

ADF&G MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: BS SS DS TS AVS SCHA MHHS PTA 2 REGION: PWS KP, CI K, AP

METHOD: Aerial Ground Boat Seldovia tide with Iliamna correction

3 DATE: 4-13-90 15 HIGH TIDE TIMES: 5:45

21 TEAM RECORDER: Doug Hill

4 START TIME: 0910 16 HIGH TIDE HTS: 13'

22 OBSERVERS: S. Melani, N. Dudiak

5 STOP TIME: 1000 17 LOW TIDE TIMES: 11:21

23 AGENCY: ADF & G

6 SEGMENT #: \_\_\_\_\_ 18 LOW TIDE HTS: 1.371

24 PHOTOS TAKEN: Y N  
90-DDH-03-H

7 STATION #: \_\_\_\_\_ 19 TIDE HT AT SURVEY: low

Roll #: \_\_\_\_\_ Frames: #1

8 K-UNIT: \_\_\_\_\_ Ebb Slack Flood Slack

25 VIDEO TAKEN: Y N TAPE#: \_\_\_\_\_

9 STAT AREA: 248-10 20 USCG QUAD: \_\_\_\_\_

Starts: \_\_\_\_\_ Ends: \_\_\_\_\_

10 LAT: 59° 31.4 N 11 LONG: 153° 44.7 W

26 SAMPLES TAKEN? Y N Number

12 SOURCE: Map Loran

OIL \_\_\_\_\_

13 LOCATION: Kamishak Bay

Sediment \_\_\_\_\_

14 DESCRIPTION: Ursus Cove - mouth of lagoon

Biological \_\_\_\_\_

Water \_\_\_\_\_

EXTENT OF OIL

	SHORELINE				STREAM			
	L	W	M <sup>2</sup>	%	L	W	M <sup>2</sup>	%
27 SURFACE COVERAGE								

36 CATALOGED ANAD. FISH SREAM? Y N

28 SURFACE THICKNESS								
29 PENETRATION								

37 CATALOG #: Un-cataloged

38 STREAM NAME: "Mouth Ursus Cove Lagoon"

30 OVERALL OIL IMPACT: N VL L M H

39 OIL IN STREAM BED? Y N  
Did not survey

31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain

40 OIL ON STREAM BANKS? Y N  
Surveyed only South shore of lagoon

32 OILED DEBRIS? Y N

41 OIL ON BEACH ADJACENT TO MOUTH? Y N  
None (within 50 meters) observed

33 SHORELINE TYPE: Headland Low-lying Rocks Beach Cove  
Lagoon Marsh

42 OIL WITHIN 1 MILE OF STREAM? Y N  
Did not survey all area  
Where: \_\_\_\_\_

34 WAVE EXPOSURE: High Moderate Low

43 ANADROMOUS FISH PRESENT? Y N

35 SUBSTRATE TYPE: Bedrock \_\_\_\_\_ Boulder \_\_\_\_\_ Cobble X 10%  
Gravel X 20% Sand X 70% Mud/silt \_\_\_\_\_

44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground
back		

COMMENTS: Three observers walked .5 mile from mouth of river to rocky cropping south along the beach. No oil was observed

We surveyed the spit at the mouth of Ursus Lagoon not specifically a river but a channel where salmon would migrate toward the anadromous rivers in the lagoon.

ACE 10494114

ACE 1955650

Ursus Cove

FRAME(S)

DESCRIPTION

○ # 1

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Ursus Cove Stream Mouth

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46 OIL DISTRIBUTION DIAGRAM

NO ANADSCAT Anticipated

Survey not completed due to snow on beach.

- ▣ Sample taken
- ▣ Photo frame # and shot direction.

ACE 10494115



Group B

ADF&G MULTI-ASSESSMENT DATA FORM

Prescreening

1 SURVEY TYPE: BS SS DS TS AVS SCHA MMHS PTA

2 REGION: PWS KP, CI K, AP

METHOD: Aerial Ground Boat Seldovia tide with  
Iliamna correction

3 DATE: 4-13-90

15 HIGH TIDE TIMES: 5:45

21 TEAM RECORDER: Doug Hill

4 START TIME: 0910

16 HIGH TIDE HTS: 13'

22 OBSERVERS: S. McLane, N. Dudiak

6 STOP TIME: 1000

17 LOW TIDE TIMES: 11:21

23 AGENCY: ADF & G

6 SEGMENT #:

18 LOW TIDE HTS: 1.371

24 PHOTOS TAKEN: Y N

90-DDH-034

7 STATION #:

19 TIDE HT AT SURVEY: LOW

Roll #: Frame: #1

8 K-UNIT:

Ebb Slack Flood Slack

25 VIDEO TAKEN: Y N TAPE#:

9 STAT AREA: 248-10

20 USCG QUAD:

Start: End:

10 LAT: 59° 31.4 N

11 LONG: 153° 46.7 W

26 SAMPLES TAKEN? Y N Number

12 SOURCE: Map Loran

Oil

13 LOCATION: Kamishak Bay

Sediment

14 DESCRIPTION: Ursus Cove - mouth of lagoon

Biological

Water

EXTENT OF OIL

	SHORELINE				STREAM			
	L	W	M <sup>2</sup>	%	L	W	M <sup>2</sup>	%
27 SURFACE COVERAGE								
28 SURFACE THICKNESS								
29 PENETRATION								
30 OVERALL OIL IMPACT:	N	VL	L	M	H			

36 CATALOGED ANAD. FISH STREAM? Y N

37 CATALOG #: 12 cataloged stream

38 STREAM NAME: Mouth Ursus Cove Lagoon

39 OIL IN STREAM BED? Y N

Did not survey

40 OIL ON STREAM BANKS? Y N

Surveyed only south shore of lagoon

41 OIL ON BEACH ADJACENT TO MOUTH? Y N

None (within 50 meters) observed

42 OIL WITHIN 1 MILE OF STREAM? Y N

Did not survey all area

Where:

43 ANADROMOUS FISH PRESENT? Y N

31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain

32 OILED DEBRIS? Y N

33 SHORELINE TYPE: Headland Low-lying Rocks Beach Cove  
Lagoon Marsh

34 WAVE EXPOSURE: High Moderate Low

35 SUBSTRATE TYPE: Bedrock Boulder Cobble X 10%  
Gravel X 20% Sand X 70% Mud/silt

44 ANADROMOUS FISH OBSERVATION

Species Aerial Ground


ACE 10494116

back

COMMENTS: Three observers walked .5 mile from mouth of river to rocky cropping south along the beach. No oil was observed

We surveyed the spit at the mouth of Ursus Lagoon not specifically a river but a channel where salmon would migrate toward the anadromous rivers in the lagoon.

ACE 1955607

Anadromous Fish Stream within 1/8 mile of spit at north of lagoon.

FRAME(S)

DESCRIPTION

#	DESCRIPTION
1	Ursus. Cow Stream Mouth

46 OIL DISTRIBUTION DIAGRAM

NO ANADSCAT Anticipated

Survey not completed due to snow on beach.

- = Sample taken
- = Photo frame # and shot direction.

ACE 10494117

ACE 1955608

ADF&G MULTI-ASSESSMENT FORM  
1991 GENERAL ENTRY CHECKLIST

10/3/91  
DDA



STREAM#: 2481010008  
SEGMENT:

PAGE 52

DATE PRINTED: 08/14/91

LOCATION: COOK INLET, WEST SIDE, URSUS COVE LAGOON OUTLET

SURVEY TYPE: 89 AFHS - BS

METHOD: GROUND FOOT

DATE: 07/27/89

TEAM RECORDER: HILL

START TIME: 1400  
END TIME: 1420

OBSERVERS: GLENN

TIDES: FLOOD/ebb  
OG/HAB DISCREPANCIES:

AGENCY: FG

PHOTOS TAKEN: Y

STATION: 2481010008

ROLL#: 89DDH013H  
FRAME: 23-24

VIDEO TAKEN: N  
START: TAPE#: END:

SAMPLES TAKEN: Y

SAMPLE NUMBERS: 89DDH030H

OIL IN STREAM BED: N

OVERALL OIL IMPACT: L

OIL ON BEACH BY MOUTH: N

WAVE EXPOSURE: HIGH

SHORELINE TYPE: BEACH

SUBSTRATE TYPE: BEDROCK	BOULDER	COBBLE	VEGETAT
GRAVEL 50	SAND	MUD/SILT	GRANULE 50

ANADROMOUS FISH PRESENT:

SPECIES: Chum  
Pink

COUNT:  
150  
350

ACE 104940964/FK/P

ADF&G MULTI-ASSESSMENT FORM  
1991 OILING ENTRY CHECKLIST

PAGE 57

DATE PRINTED: 08/14/91

STREAM# : 2481010008  
SEGMENT#:

SURVEY TYPE : 89 AFHS - BS  
DATE: 07/27/89  
TIMES: 1400 - 1420

LOCATION: COOK INLET, WEST SIDE, URSUS  
COVE LAGOON OUTLET  
TEAM RECORDER: HILL

-- OILING EXTENT --

SITE#	SITE TYPE	DEPTH (cm)	LENGTH (m)	WIDTH (m)	AREA (m)	%	THICK (cm)	PEN (cm)	OIL TYPE CODES
1			61	.5	31	1	<3.8	<2.5	MS TB

COMMENTS:

SITE 5-2. OBSERVED ONE BLOB OF OIL PER 3 FEET. VERY GELATINOUS MOUSSE (SOFT AND MOBILE - DARK BROWN). MET SPORT FISHING TEXANS WHO COULDN'T UNDERSTAND WHY WE WOULD BOTHER TO DOCUMENT THE OIL ON THESE BEACHES. THE TEXANS TOLD US THEY'D BEEN WALKING THROUGH OIL FOR YEARS ON THE GULF OF MEXICO. THIS CONVERSATION FOLLOWED ONE IN WHICH THESE GUYS EXCLAIMED THE BEAUTY AND CLEANLINESS OF ~~THE PLACE~~ AND THE GOOD FISHING THEY'D HAD.

ALASKA

Add a  
y to "they'd"  
10/3/91  
DM

ACE 10494097-15



ADF&G MULTI-ASSESSMENT FORM  
1991 OILING ENTRY CHECKLIST

PAGE 57

DATE PRINTED: 08/14/91

STREAM# : 2481010008  
SEGMENT#:

SURVEY TYPE : 89 AFHS - BS  
DATE: 07/27/89  
TIMES: 1400 - 1420

LOCATION: COOK INLET, WEST SIDE, URSUS  
COVE LAGOON OUTLET  
TEAM RECORDER: HILL

-- OILING EXTENT --

SITE#	SITE TYPE	DEPTH (cm)	LENGTH (m)	WIDTH (m)	AREA (m)	%	THICK (cm)	PEN (cm)	OIL TYPE CODES
1			61	.5	31	1	<3.8	<2.5	MS TB

COMMENTS:

SITE 5-2. OBSERVED ONE BLOB OF OIL PER 3 FEET. VERY GELATINOUS MOUSSE (SOFT AND MOBILE - DARK BROWN). MET SPORT FISHING TEXANS WHO COULDN'T UNDERSTAND WHY WE WOULD BOTHER TO DOCUMENT THE OIL ON THESE BEACHES. THE TEXANS TOLD US THEY'D BEEN WALKING THROUGH OIL FOR YEARS ON THE GULF OF MEXICO. THIS CONVERSATION FOLLOWED ONE IN WHICH THESE GUYS EXCLAIMED THE BEAUTY AND CLEANLINESS OF THE PLACE AND THE GOOD FISHING THEY'D HAD.



ACE 10494097-15

1989-AFHS

Site 5-2

Vrsus Cove Mouth

ASC NUMBER: 248-10-10008	SEGMENT NUMBER: None	YR CATALOGED:
LOCATION: Kamishok Bay, Mouth of Vrsus Cove Lagoon, south shore		
EAM NAME:		LATITUDE: 59 31 31
HOULIAK K-UNIT:	LOCAL STREAM #:	LONGITUDE: 153 46 46
US QUADRANGLE: Iliamna C-3		LEGAL: S 75 26W 31
SHORELINE TYPE: BEACH	ALL SEGMENTS:	
WAVE EXPOSURE: High		

ASC NUMBER:	TEAM RECORDER: Doug Hill
SURVEY TYPE: BS	OBSERVERS: Lee & Lew
METHOD: Ground	
DATE: 7/27/89	AGENCY (IES): ADF 49
START TIME: 1400	
STOP TIME: 1420	PHOTOS TAKEN?
	Roll #: 89DDH013
	Frames: 23, 24
	VIDEO TAKEN? <input checked="" type="checkbox"/> Tape Number:
	Counter Start:

SAMPLES TAKEN?  
 SAMPLE I.D. NUMBERS: 1. <sup>89DDH030H</sup> DDH/LPG-7/27/89-1400 2.  
 4. 5. 3. 6.

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	61	.5	31	1	<3.8	<2.5	MS, TB
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: ↓

OIL IN STREAM CHANNEL?  SUBSTRATE  
 OIL ON BEACH WITHIN 50M OF STREAM MOUTH?

Bedrock	Granule 50
Boulder	Sand
Cobble	Silt
Pebble 50	Veget.

SPECIES	Pink	Chum			
COUNT	350	150			

COMMENTS: <sup>Approx:</sup> observed one blob of oil per 3 feet.  
 - Very gelatinous mousse (soft and mobile --- dark brown)  
 - Met sportfishing Texans who couldn't understand why we would bother to document the oil on these beaches. The Texans told us they'd been walking through oil for years on the Gulf of Mexico. This conversation followed one in which these guy exclaimed the beauty and cleanliness of this place and the good fishing they had.



FISH HABITAT ASSESSMENT FORM

Cook Inlet - West Side (Mouth URSUS Cove Lagoon) Dupe

1 REGION: 2 PWS RP, CI ~~DETA~~ 3 OBSERVER(S) Doug Hill, Lee Glenn

4 SITE NO. 5-2 5 AERIAL PHOTO NO. Processor Revised Film 6 CAT NO. NC

7 STREAM NAME \_\_\_\_\_ 8 LAT 159° 31' 31" 9 LONG 153° 46' 46"

10 DATE 7/27 11 TIME 1400 12 TIDE: Low slack Flood High slack Sdb

13 CATALOGED ANADROMOUS STREAM? Y N 14 ANAD. FISH FOUND? N

15 OIL FOUND IN STREAM? Y N 16 OIL FOUND NEAR STREAM (1 MI.)? N

17 OIL SAMPLES TAKEN? N 18 ID NOS. URS C.V. LAG - DOH/LPG - 7/27/89 - 1400

19 35 mm PICTURES TAKEN? N 20 ROLL NO(S). 89-DOH-013

21 EXPOSURE NO.	22 DESCRIPTION
<u>23</u>	<u>Sample #: DOH/LPG-7/27/89-1400. Typical sample representative of oil bank</u>
<u>24</u>	<u>Location to photo, looking NW at outlet of Lagoon</u>
	<u>(Film processor ruined film)</u>
	<u>ruined what would have been roll #1400 -&gt; contents</u>
	<u>Included more photos of the URSUS Cove mouth area</u>

23 VIDEO FOOTAGE TAKEN? Y N 24 CASSETTE NO(S). \_\_\_\_\_

25 DESCRIPTION: \_\_\_\_\_  
\_\_\_\_\_ ACE 10494099  
\_\_\_\_\_ ACE 7380258

ANADROMOUS FISH OBSERVATIONS

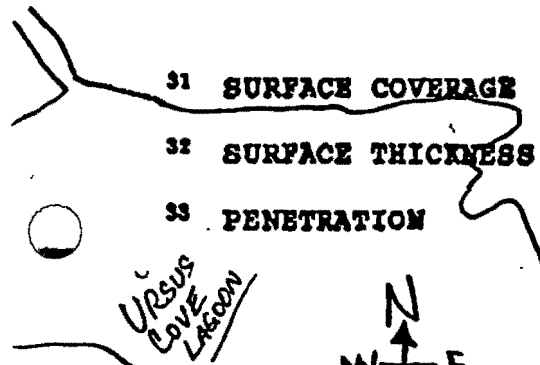
	PINK	CHUM	RED	KING	COHO	DOLLY		
28 Aerial	350	150						
29 Ground	/	/						

30 COMMENTS: Bright fish  
Fish shined from mouth to approximately 100 yds  
upstream. Group of Sportfishermen camped at mouth of creek  
(Texas - couldn't understand why we would bother to document the oil  
on the beach due to the fact that they've been walking through  
oil for years on the Gulf of Mexico.

OIL OBSERVATIONS

EXTENT OF OIL:

	WITHIN STREAM	OUTSIDE STREAM
31 SURFACE COVERAGE		At least 200' linear feet of 4" x 4" 1/2" thick mousse blobs Approx. one blob per 3 feet
32 SURFACE THICKNESS		
33 PENETRATION		1/2" to 1"

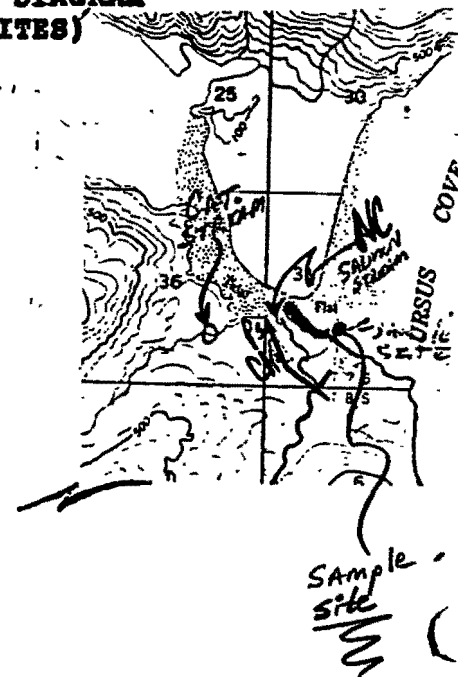
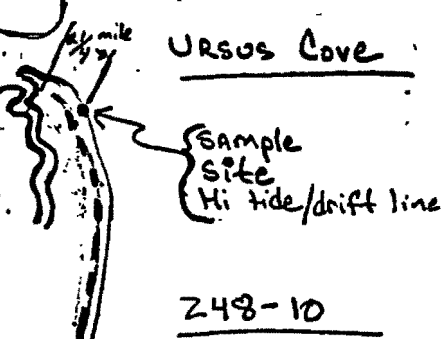


34 PREDOMINANT SUBSTRATE TYPE:

1. Bedrock
2. Boulder
3. Cobble
4. Gravel
5. Sand
6. Mud
7. Other \_\_\_\_\_

CHIP 10010

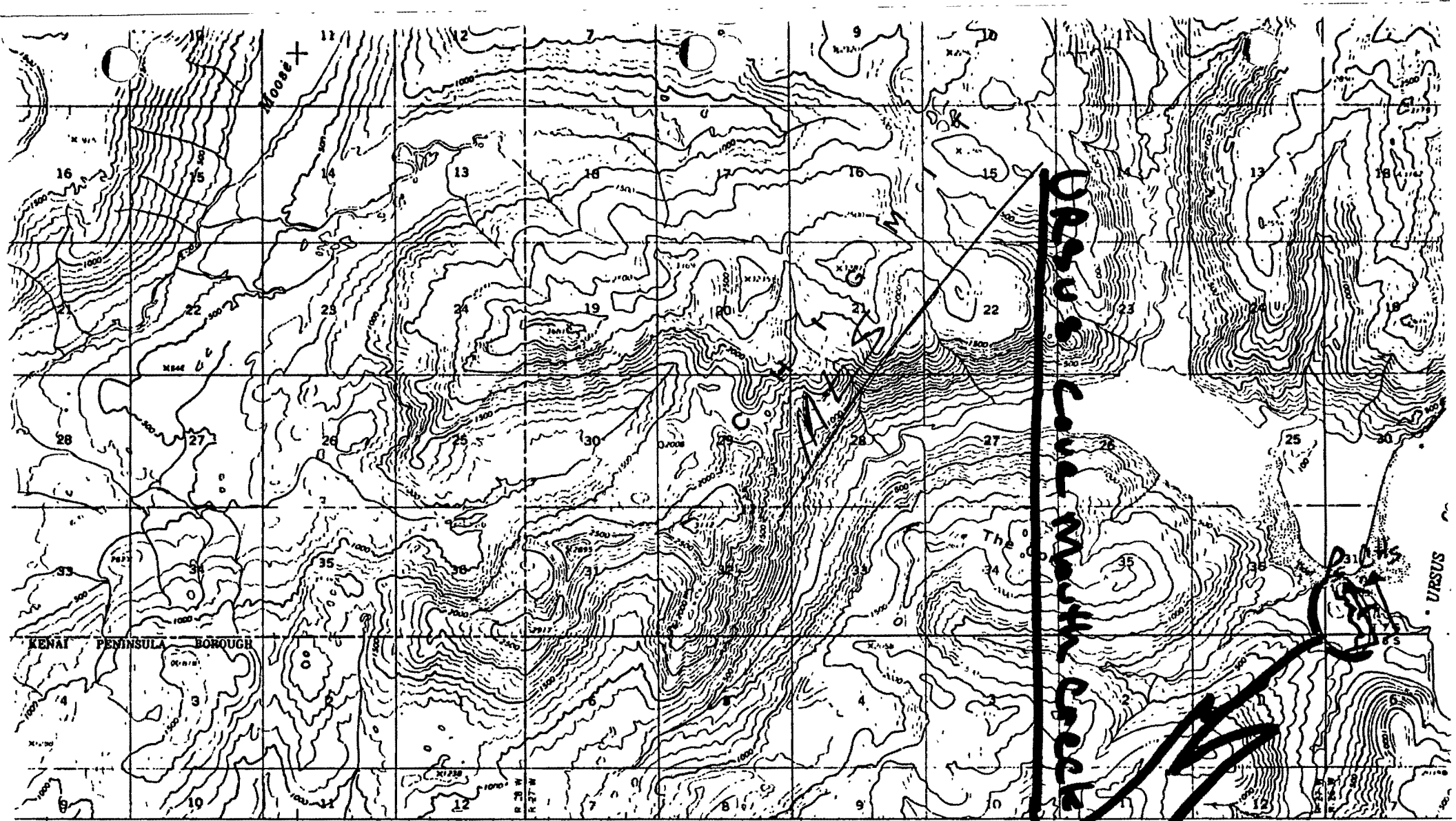
34 OIL DISTRIBUTION DIAGRAM (SHOW SAMPLING SITES)



35 COMMENTS: Course of Stream different than that shown on  
Topographic Map - Stream Not shown on Navigational Map

ACE 10494100





KENAI PENINSULA BOROUGH

Darius Cow Masten Creek

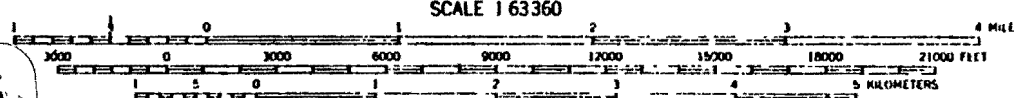
SITE

4 aphs  
ed  
554 (1963)  
rican datum  
5

TRUE NORTH  
MAGNETIC NORTH

APPROXIMATE MEAN DECLINATION, 1954

ACE 10494101



SCALE 1:63360

CONTOUR INTERVAL 100 FEET  
DATUM IS MEAN SEA LEVEL  
SOUNDINGS IN FEET DATUM IS MEAN LOWER LOW WATER  
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER  
THE MEAN RANGE OF TIDE IS APPROXIMATELY 12 FEET



QUADRANGLE LOCATION

FOR SALE BY U.S. GEOLOGICAL SURVEY  
FAIRBANKS, ALASKA 99701, DENVER, COLORADO 80225, OR WASHINGTON, D. C. 20242  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION

Light-duty  
Unimproved dirt

ILIAMNA (C-3), ALASKA  
N5930 - W15345/15X22 5

1954  
MINOR REVISIONS 1973

KAMISHIAK BAY

ACE 7380260

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

Year of Revision

Anadromous Water Catalog Volume Southcentral Region

5-2

USGS Quad Iliamna C-3

Name of Waterway None Known (Mouth of Ursus Cove Lagoon Crk for purposes here)

Anadromous Water Catalog Number of Waterway NC

Change to \_\_\_\_\_ Atlas

\_\_\_\_\_ Catalog

\_\_\_\_\_ Both

Addition X

Deletion \_\_\_\_\_

Correction \_\_\_\_\_

Name addition:

USGS name None

Local name None Known

For Office Use

Nomination # _____	
Regional Supervisor _____	Date _____
Drafted _____	Date _____

Species	Date(s) Observed	Spawning	Rearing	Migration
Pink Salmon	7/27/89	X		X
Chum Salmon	7/27/89	X		X

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

350 Pinks and 150 chum salmon observed in lower 2 miles of stream.

~~Aerial surveyed lower 2 miles of stream~~

~~Original data on file with state EXXON Valdez Oil Spill lawyers (Rite In Rain)~~

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) Douglas D. Hill

Date: 12/13/89 Signature: Douglas D. Hill

Address: Oil Spill Response Center, 509 Sterling Hwy.

Homer, Ak. 99603 235-5322

Signature of Area Biologist: \_\_\_\_\_

ACE 10494102-15  
 ACE 7380257

1989-AFHS

Site 5-2

Vrsus Cove Mouth

ASC NUMBER: 248-10-10008      SEGMENT NUMBER: None  
 LOCATION: Kamishak Bay, Mouth of Vrsus Cove Lagoon, south shore  
 TEAM NAME:  
 KODIAK K-UNIT: LOCAL STREAM #:  
 USGS QUADRANGLE: Iliamna C-3  
 SHORELINE TYPE: BEACH      ALL SEGMENTS:  
 WAVE EXPOSURE: High

YR CATALOGED:  
 LATITUDE: 59 31 31  
 LONGITUDE: 153 46 46  
 LEGAL: S 75 26W 31

ASC NUMBER:  
 SURVEY TYPE: BS  
 METHOD: Ground/100'  
 DATE: 7/27/89  
 START TIME: 1400  
 STOP TIME: 1920

TEAM RECORDER: Doug Hill  
 OBSERVERS: Lee Glenn

AGENCY (IES): ADFG

PHOTOS TAKEN?  
 Roll #: 89DDH013      Frames: 23, 24  
 VIDEO TAKEN? Tape Number:  
 Counter Start:

SAMPLES TAKEN?

SAMPLE I.D. NUMBERS: 1. DDH/LPG-7/27/89-1400 2. 3.  
 4. 5. 6.

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	61	.5	31	1	< 3.8	< 2.5	MS, TB
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: ↓

OIL IN STREAM CHANNEL? N

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? N

SUBSTRATE

Bedrock	Granule 50
Boulder	Sand
Cobble	Silt
Pebble 50	Veget.

SPECIES	Pink	Chum			
COUNT	350	150			

COMMENTS: <sup>Approx:</sup> observed one blob of oil per 3 feet.  
 - Very gelatinous mousse (soft and mobile --- dark brown)  
 - Met sportfishing Texans who couldn't understand why we would bother to document the oil on these beaches. The Texans told us they'd been walking through oil for years on the Gulf of Mexico. This conversation followed one in which these guy exclaimed the beauty and cleanliness of this place and the good fishing they had.

ACE 10494103+15



FISH HABITAT ASSESSMENT FORM

Cock Inlet - West Side (Mouth versus Cove Lagoon)

Dupe

1 REGION: 2 PWS KP, CI ~~DETA~~ 3 OBSERVER(S) Doug Hill, Lee Glenn

6 SITE NO. 5-2 7 AERIAL PHOTO NO. <sup>Processor</sup> Ruined Film 8 CAT NO. NC

9 STREAM NAME \_\_\_\_\_ 10 LAT 159° 31' 31" 11 LONG 153° 46' 46"

12 DATE 7/27 13 TIME 1400 14 TIDE: Low slack Flood High slack Ebb

15 CATALOGED ANADROMOUS STREAM? Y N 16 ANAD. FISH FOUND? Y N

17 OIL FOUND IN STREAM? Y N 18 OIL FOUND NEAR STREAM (1 MI.)? Y N

19 OIL SAMPLES TAKEN? Y N 20 ID NOS. URS CVR LAG-DNH/LPG-7/27/89-1400

21 35 mm PICTURES TAKEN? Y N 22 ROLL NO(S). 89-DNH-013

23 EXPOSURE NO.

24 DESCRIPTION

23 Sample #: <sup>(358)</sup> DNH/LPG-7/27/89-1400. Typical sample/representative of oil bank

24 Location to photo: looking NW at outlet of lagoon

(Film processor ruined film)

ruined what would have been roll #14. contents included more photos of the URSUS Cove mouth area

25 VIDEO FOOTAGE TAKEN? Y N 26 CASSETTE NO(S). \_\_\_\_\_

27 DESCRIPTION: \_\_\_\_\_  
ACE 10494104  
ACE 7380258



**ANADROMOUS FISH OBSERVATIONS**  
**PINK CHUM RED KING COHO DOLLY**

28	Aerial	350	150					
29	Ground	/	/					

30 **COMMENTS:** Bright Fish  
Fish observed from mouth to approximately 100 yds  
upstream. Group of Sportfishermen camped at mouth of creek  
(Texans - couldn't understand why we would bother to document the oil  
on the beach due to the fact that they've been walking through  
oil for years on the Gulf of Mexico.

**OIL OBSERVATIONS**

**EXTENT OF OIL:**

	WITHIN STREAM	OUTSIDE STREAM
31 SURFACE COVERAGE		At least 200 lineal feet of 4" x 4" 1/2" thick mousse blobs Approx. one blob per 3 feet
32 SURFACE THICKNESS		
33 PENETRATION		1/2" to 1"

31 SURFACE COVERAGE  
 32 SURFACE THICKNESS  
 33 PENETRATION

34 **PREDOMINANT SUBSTRATE TYPE:**

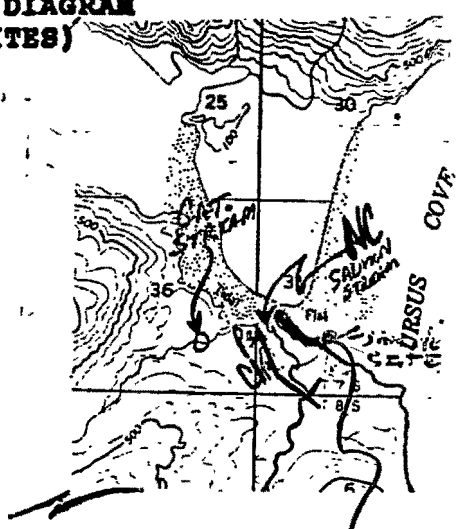
1. Bedrock
2. Boulder
3. Cobble
4. Gravel
5. Sand
6. Mud
7. Other

C.H.P.  
10010

**SOIL DISTRIBUTION DIAGRAM (SHOW SAMPLING SITES)**

URSUS Cove  
 Sample site  
 Hi tide/drift line

248-10

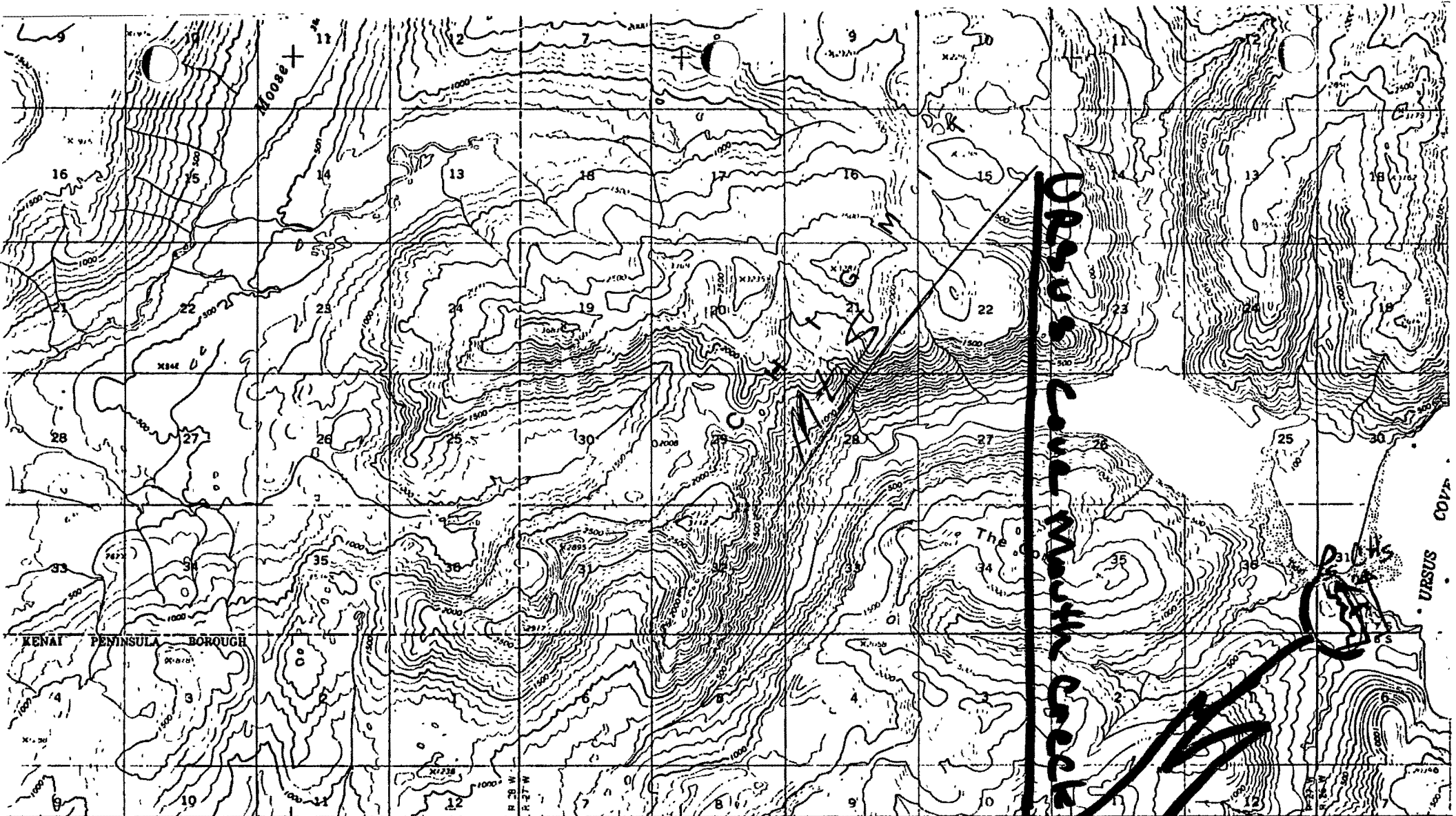


Sample site

ACE 10494105

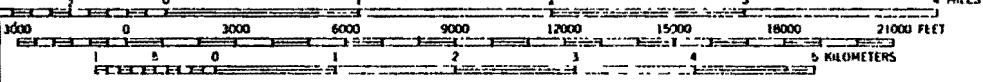
35 **COMMENTS:** Course of Stream different than that shown on  
Topographic Map - Stream Not shown on Navigational Map

ACE 7380259



154° 55' ILIAMNA B-3 55'

SCALE 1:63360



CONTOUR INTERVAL 100 FEET

DATUM IS MEAN SEA LEVEL

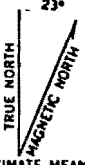
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ACE 10494106



APPROXIMATE MEAN DECLINATION, 1954

ROAD CLASSIFICATION

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Unimproved dirt

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N5930-W15345/15X22 5

1954  
MINOR REVISIONS 1973

*HAMISHAK RAY*

ACE 7380260

Graphs  
ed  
1:554 (1963)

Mean datum  
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ACE-10494107 -15/p

ACE 7380257