

Ursus Head. CN

ASC NUMBER: M248-10-10050 SEGMENT NUMBER: —
LOCATION: Kamishak Bay
SAMPLING NAME: URSUS HEAD CRK.
KAMISHAK K-UNIT: — LOCAL STREAM #: —
US QUADRANGLE: Iliamna L-2
SHORELINE TYPE: BEACH
WAVE EXPOSURE: High

YR CATALOGED: —
LATITUDE: 59° 33' 09"
LONGITUDE: 153° 37' 42"
LEGAL: ADPAC S. 75 26W24

SC NUMBER: —
SURVEY TYPE: BS
METHOD: FOOT
DATE: 7/11/89
START TIME: 1500
STOP TIME: —

TEAM RECORDER: AL DAVIS
OBSERVERS: RANLE MORRISON

AGENCY(IES): ADFG

PHOTOS TAKEN? N
Roll #: — Frames: —
VIDEO TAKEN? N Tape Number: —
Counter Start: —

SAMPLES TAKEN? N

SAMPLE I.D. NUMBERS: 1. — 2. — 3. —
4. — 5. — 6. —

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: NONE

OIL IN STREAM CHANNEL? —

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? —

SUBSTRATE

Bedrock	Granule
Boulder	Sand
Cobble	Silt
Pebble	Veget.

SPECIES	<u>—</u>				
COUNT	<u>—</u>				

REMARKS: Ground surveyed 1610 meters of shoreline

ACE 10494130 +TIF/SLP

Ursus Head Crk

ASC NUMBER: M248-10-10050 SEGMENT NUMBER: — YR CATALOGED: —
 LOCATION: Kamishak Bay LOCAL STREAM #: —
 CAN NAME: URSUS HEAD Crk. LOCAL STREAM #: —
 URSUS QUADRANGLE: Iliamna L-2 LEGAL: S. 7S 26W24
 SHORELINE TYPE: BEACH ALL SEGMENTS: —
 WAVE EXPOSURE: High

ASC NUMBER: — DATE: 7/11/89
 SURVEY TYPE: FOOT METHOD: —
 START TIME: 1500
 STOP TIME: —
 TEAM RECORDER: AL DAVIS
 OBSERVERS: RANKE MORRISON
 AGENCY(IES): ADFG
 PHOTOS TAKEN? N
 Roll #: — Frames: —
 VIDEO TAKEN? N Tape Number: —
 Counter Start: —
 SAMPLES TAKEN? N
 SAMPLE I.D. NUMBERS: 1. 2. 3. 4. 5. 6.

	LENGTH m	WIDTH m	H2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	/	/	/	/	/	/	/
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: NONE

OIL IN STREAM CHANNEL? —

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? —

SUBSTRATE

Bedrock	Granule
Boulder	Sand
Cobble	Silt
Pebble	Veget.

SPECIES	/				
COUNT	/				

REMARKS: Ground surveyed 1610 meters of shoreline

ACE 10494131-15

ADF&G MULTI-ASSESSMENT FORM
1991 GENERAL ENTRY CHECKLIST

10/3/91
ADG



STREAM#: 2481010050
SEGMENT:

PAGE 54

DATE PRINTED: 08/14/91

LOCATION: COOK INLET, WEST SIDE, URSUS HEAD, 1.5 M WEST OF

SURVEY TYPE: 89 AFHS -BS/SS

METHOD: GROUND
FOOT

DATE: 07/27/89

TEAM RECORDER: HILL

START TIME: 1545
END TIME: 1620

OBSERVERS: GLENN

TIDES: Slack
OG/HAB DISCREPANCIES:

AGENCY: FG

PHOTOS TAKEN: Y

STATION: 2481010050

ROLL#:
FRAME:

VIDEO TAKEN: N
START: TAPE#: END:

SAMPLES TAKEN: N

SAMPLE NUMBERS:

OIL IN STREAM BED: N

OVERALL OIL IMPACT: N

OIL ON BEACH BY MOUTH: N

WAVE EXPOSURE: HIGH

SHORELINE TYPE: BEACH

SUBSTRATE TYPE: BEDROCK ~~X~~ ^{KNO} BOULDER ~~X~~ ^{KNO} COBBLE X VEGETAT

GRAVEL X SAND X MUD/SILT GRANULE X

ANADROMOUS FISH PRESENT: Y

SPECIES:

COUNT:

Pink
Chum

500
50

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST

PAGE 59

DATE PRINTED: 08/14/91

STREAM# : 2481010050
SEGMENT#:

SURVEY TYPE : 89 AFHS -BS /SS LOCATION: COOK INLET, WEST SIDE, URSUS
DATE: 07/27/89 HEAD, 1.5 M WEST OF
TIMES: 1545 - 1620 TEAM RECORDER: HILL

-- OILING EXTENT --

SITE#	SITE TYPE	DEPTH (cm)	LENGTH (m)	WIDTH (m)	AREA (m)	%	THICK (cm)	PEN (cm)	OIL TYPE CODES
1									NONE

COMMENTS:

SITE 5-4. NO OIL OBSERVED. FOOT SURVEYED $\frac{1}{2}$ TO $\frac{3}{4}$ MILE OF BEACH. FISH SPOTTED ~200 YARDS ABOVE SALTWATER IN POOL. NO CARCASSES OBSERVED. IN SALTWATER. DRIFT LINE TORN UP BY BEARS. ALOT OF BEAR SIGN. ROLL OF FILM WAS SHREDDED BY PHOTO PROCESSOR.

400-600 Fish observed in saltwater at outlet of stream.

ADD Fish observation and delete "in saltwater"



ACE 10494133 -15

1989-AFHS

Site 5-4

1/2 mi. W. Ursus Head

ASC NUMBER: 248-10-10050 SEGMENT NUMBER: None YR CATALOGED:

LOCATION: Kamishuk Bay, \approx 1/2 mile west Ursus Head

EAM NAME: Ursus Head Creek LOCAL STREAM #:

INDIAK K-UNIT: LOCAL STREAM #:

US QUADRANGLE: Iliamna C-2 LEGAL: S 7S 26W 24

SHORELINE TYPE: Beach ALL SEGMENTS:

WAVE EXPOSURE: High

ASC NUMBER:

SURVEY TYPE: BS/SS
Ground

METHOD:

DATE: 7/27/89

START TIME: 1545

STOP TIME: 1620

TEAM RECORDER: Doug Hill

OBSERVERS: Lee Glenn

AGENCY(IES): ADF&G

Comments:

PHOTOS TAKEN? Shredded by photo processor

Roll #: Frames:

VIDEO TAKEN? N 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							None
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: None observed

OIL IN STREAM CHANNEL? N

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? N

SUBSTRATE

Bedrock	Granule	X
Boulder	Sand	X
Cobble	Silt	
Pebble	Veget.	

SPECIES	Pink	Chum			
COUNT	500	50			

COMMENTS: No oil observed - Pool surveyed \approx 1/2 to 3/4 mile of beach

Fish spotted approx. 200 yds. above saltwater --- in pool.

No carcasses observed, No bird activity.

400-600 fish observed in saltwater.

Drift line torn up by bears - A lot of bear signs.

ACE 10494134 + 15

FISH HABITAT ASSESSMENT FORM

Cook Inlet - West Side (stream approx. 1 mile west of our Head)

1 REGION: 2 PWS 3 KP, CI 4 K, AP 5 OBSERVER(S) Doug Hill, Lee Glenn

6 SITE NO. 5-4 7 AERIAL PHOTO NO. 8 CAT NO. 248-10-10050

9 STREAM NAME None 10 LAT 11 LONG

12 DATE 7/27/89 13 TIME 1545 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.

21 35 mm PICTURES TAKEN? Y N 22 ROLL NO(S).

23 EXPOSURE NO. 24 DESCRIPTION
Film Processor Ruined film!
They gave me a rain check for
1 free processing though! Yahoo!

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

27 DESCRIPTION:
ACE 10494135
ACE 7380264

ANADROMOUS FISH OBSERVATIONS

	PINK	CHUM	RED	KING	COHO	DOLLY		
28 Aerial	500	50						
29 Ground								

30 COMMENTS: Fish spotted approximately 200 yds above saltwater - in Pools Bright Fish
400-600 Fish spotted in saltwater off beach
No Carcasses observed
No bird activity

OIL OBSERVATIONS

Site 4
Site 5

EXTENT OF OIL:

	WITHIN STREAM	OUTSIDE STREAM
31 SURFACE COVERAGE	/	/
32 SURFACE THICKNESS		
33 PENETRATION		

OIL DISTRIBUTION DIAGRAM (SHOW SAMPLING SITES)

34 **PREDOMINANT SUBSTRATE TYPE:**

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

-Foot surveyed 1/2 to 3/4 mile.

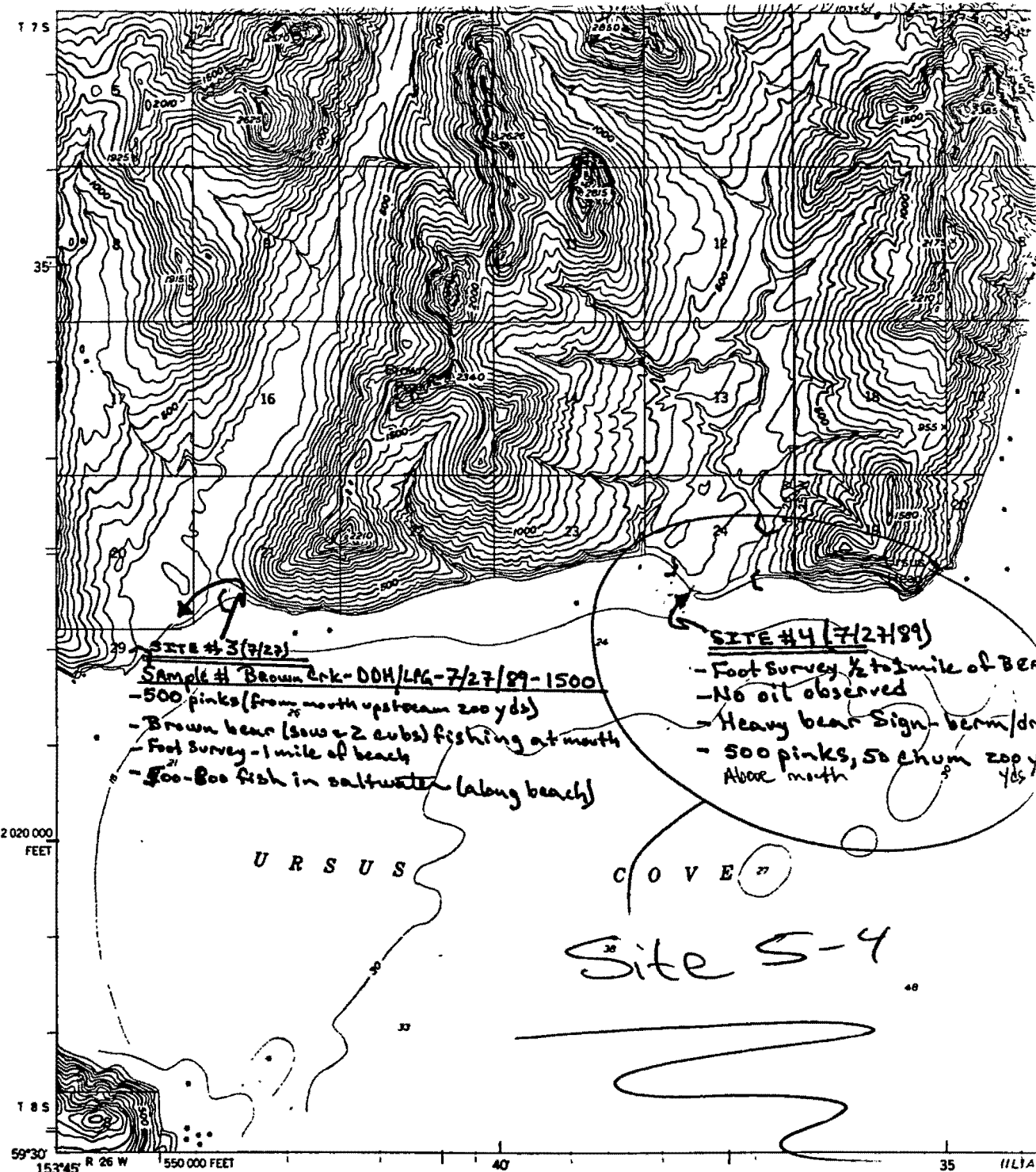
No Oil Observed

ACE 10494136

ACE 7380265

35 COMMENTS: Drift line Really torn/dug up by bears - Much bear signs

*ILIAMNA
C-2*



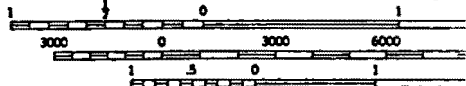
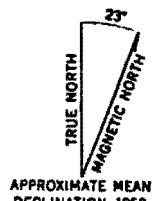
SITE #3 (7/27)
Sample # Brown Crk - DDM/LPA - 7/27/89 - 1500
 - 500 pinks (from north upstream 200 yds)
 - Brown bear (sow + 2 cubs) fishing at mouth
 - Foot Survey - 1 mile of beach
 - 500-600 fish in saltwater (along beach)

SITE #4 (7/27/89)
 - Foot Survey 1/2 to 1 mile of Beach
 - No oil observed
 - Heavy bear Sign - berm/ditch
 - 500 pinks, 50 chum 200 yds above mouth

Site 5-4

ILIAMNA B-3

Mapped, edited and published by the Geological Survey
 Control by USGS and NOS/NOAA
 Topography by photogrammetric methods from aerial photographs taken 1952 and 1957, field annotated 1958. Map not field checked
 Selected hydrographic data compiled from NOS Chart 16640 (1954) and 16649 (1942). This information is not intended for navigational purposes
 Projection and 1000-meter grid ticks shown in blue: Universal Transverse Mercator, zone 5
 10,000-foot grid ticks based on Alaska coordinate system, zone 5. 1927 North American datum
 To place on the projected North American Datum 1983, move the projection lines 74 meters north and 128 meters east
 Gray land lines represent unsurveyed and unmarked locations predetermined by the Bureau of Land Management Folio S-17, Seward Meridian
 Dashed red lines indicate approximate locations of existing ground surveys
 Lake elevations are unchecked
 There may be private inholdings within the boundaries of the National or State reservations shown on this map



The Alaska Maritime National Wildlife Refuge consists of all the public land in the coastal waters and adjacent seas of Alaska, consisting of islands, islets, rocks, reefs, capes and spires

CONTOUR NATIONAL GEODETIC DEPTH CURVES AND SOUNDINGS IN SHORELINE SHOWN REPRESENTS THE MEAN RANGE OF

FOR SALE BY U. FAIRBANKS, ALASKA 99701, DENVER, CO A FOLDER DESCRIBING TOPOGRAPHIC M

ACE 10494137-15

ACE 7380266

1989-AFHS

Site 5-4

1/2 mi. W. Ursus Head

ASC NUMBER: 248-10-10050 SEGMENT NUMBER: None
 LOCATION: Kamishak Bay, \approx 1/2 mile west Ursus Head
 TEAM NAME: Ursus Head Creek
 KODIAK K-UNIT: . LOCAL STREAM #: .
 USGS QUADRANGLE: Iliamna C-2
 SHORELINE TYPE: Beach ALL SEGMENTS:
 WAVE EXPOSURE: High

YR CATALOGED:

LATITUDE: 59 33 9
 LONGITUDE: 153 37 42
 LEGAL: S 7S 26W 24

ASC NUMBER:
 SURVEY TYPE: BS/49
 METHOD: Ground Foot
 DATE: 7/27/89
 START TIME: 1545
 STOP TIME: 1620

TEAM RECORDER: Doug Hill
 OBSERVERS: Lee Glenn

10/3/91
 [Signature]

AGENCY(IES): ADF&G

PHOTOS TAKEN? Shredded by photo processor
 Roll #: _____ Frames: _____
 VIDEO TAKEN? 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: None observed

OIL IN STREAM CHANNEL?

OIL ON BEACH WITHIN 50M OF STREAM MOUTH?

SUBSTRATE

Bedrock	Granule <input checked="" type="checkbox"/>
Boulder	Sand <input checked="" type="checkbox"/>
Cobble <input checked="" type="checkbox"/>	Silt
Pebble <input checked="" type="checkbox"/>	Veget.

SPECIES	Pink	Chem			
COUNT	500	50			

COMMENTS: No oil observed - Foot surveyed \approx 1/2 to 3/4 mile of beach
 Fish spotted approx. 200 yds. above saltwater --- in pool.
 No carcasses observed, No bird activity.
 400-600 fish observed in saltwater.
 Drift line torn up by bears - A lot of bear signs.

ACE 10494138 +15

FISH HABITAT ASSESSMENT FORM

Cook Inlet - West Side (stream approx. 1/2 mile west of sub Head)

1 REGION: 2 PWS (3 KP, CI) 4 K, AP 5 OBSERVER(S) Doug Lilly, Lee Glenn

6 SITE NO. 5-4 7 AERIAL PHOTO NO. 8 CAT NO. 248-10-10050

9 STREAM NAME None 10 LAT 11 LONG

12 DATE 7/27/89 13 TIME 1545 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 (M) 18 OIL FOUND NEAR STREAM (1 MI.)? Y (M)

19 OIL SAMPLES TAKEN? Y (M) 20 ID NOS.

21 35 MM PICTURES TAKEN? (Y) N 22 ROLL NO(S).

23 EXPOSURE NO.	24 DESCRIPTION
	Film Processor Ruined film!
	*They gave me a rain check for 1 free processing though! Yahoo!

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

27 DESCRIPTION:

ACE 10494139

ACE 7380264

ANADROMOUS FISH OBSERVATIONS

	PINK	CHUM	RED	KING	COHO	DOLLY		
28 Aerial	500	50						
29 Ground								

30 COMMENTS: Fish spotted approximately 200 yds above saltwater - in Pools Bright Fish / No Carcasses Observed
400-600 Fish spotted in saltwater off beach
No bird Activity

OIL OBSERVATIONS

*Site 4
5/11*

EXTENT OF OIL:

	WITHIN STREAM	OUTSIDE STREAM
31 SURFACE COVERAGE		
32 SURFACE THICKNESS		
33 PENETRATION		

OIL DISTRIBUTION DIAGRAM (SHOW SAMPLING SITES)

34 **PREDOMINANT SUBSTRATE TYPE:**

-Foot surveyed 1/2 to 3/4 mile.

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

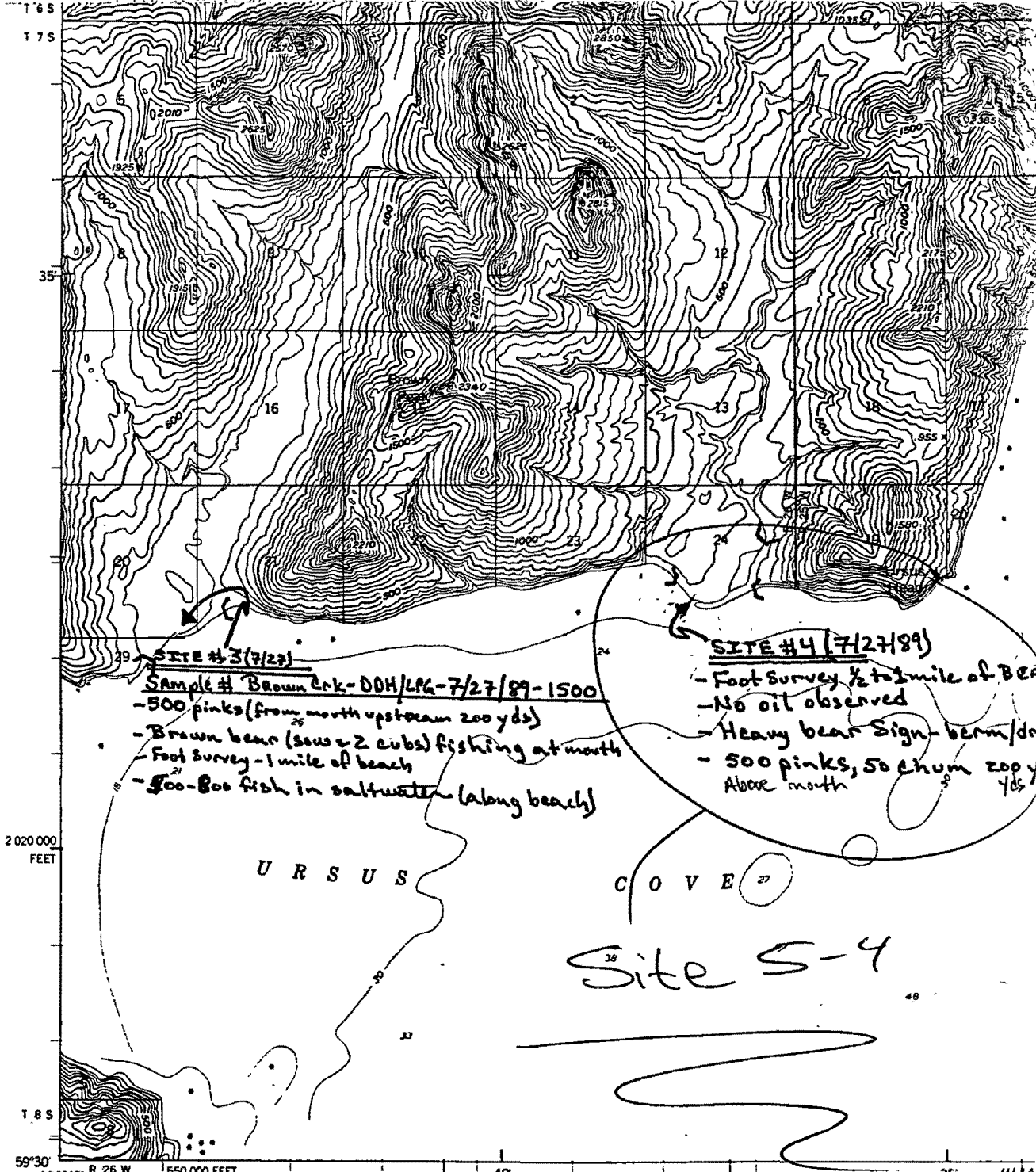
No Oil Observed

ACE 10494140

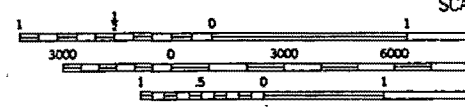
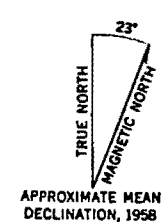
ACE 7380265

35 COMMENTS: Drift line Really torn/dug up by bears - Much bear sign

*Iliamna
C-2*



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ACE 10494141
 -12/5/11/HP

ACE 7380266