

Brown's Peak Ck

ASC NUMBER: 248-10-10040 SEGMENT NUMBER: YR CATALOGED
 LOCATION: Kamishak BAY LATITUDE: 59°
 DAM NAME: Brown's Peak Creek LONGITUDE: 153° 22"
 KUMAK K-UNIT: LOCAL STREAM #: LEGAL: ~~4444~~ S 7S 26W20
 US QUADRANGLE: Iliamna G-2
 SHORELINE TYPE: BEACH ALL SEGMENTS:
 WAVE EXPOSURE: High

SC NUMBER: TEAM RECORDER: AL DAVIS
 SURVEY TYPE: BS OBSERVERS: RANCE MORRISON
 METHOD: FOOT AGENCY(IES): AOP+G
 DATE: 7/11/89 PHOTOS TAKEN? N
 START TIME: 1530 Roll #: Frames:
 TOP TIME: 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 | t | THICK cm | PEN cm | OIL TYPE |
|--------|----------|---------|----|---|----------|--------|----------|
| SITE 1 | — | — | — | — | — | — | — |
| SITE 2 | | | | | | | |
| SITE 3 | | | | | | | |
| SITE 4 | | | | | | | |
| SITE 5 | | | | | | | |

VERALL OIL IMPACT: NONE

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

| | |
|---------|---------|
| Bedrock | Granule |
| Boulder | Sand |
| Cobble | Silt |
| Pebble | Veget. |

| | | | | | |
|---------|---|--|--|--|--|
| SPECIES | — | | | | |
| COUNT | — | | | | |

REMARKS: Ground surveyed 1207 meters of shoreline

Brown's Peak Crk

ASC NUMBER: 248-10-10040 SEGMENT NUMBER: YR CATALOGED: —
 LOCATION: Kamishak Bay
 DAM NAME: Brown's Peak Creek
 LOCAL STREAM #: —
 U.S. QUADRANGLE: Iliamna C-2
 SHORELINE TYPE: BEACH
 TIDE EXPOSURE: High
 ALL SEGMENTS: —
 DATE: 10/9/91

ASC NUMBER: —
 SURVEY TYPE: BS SS
 METHOD: FOOT
 DATE: 7/11/89
 START TIME: 1530
 STOP TIME: —

TEAM RECORDER: AL DAVIS
 OBSERVERS: RANLE MORRISON
 AGENCY(IES): AOP+G
 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? — N
 SUBSTRATE

| | |
|---------|---------|
| Bedrock | Granule |
| Boulder | Sand |
| Cobble | Silt |
| Pebble | Veget. |

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? — N

| | | | | | |
|---------|---|--|--|--|--|
| SPECIES | — | | | | |
| COUNT | — | | | | |

REMARKS: Ground surveyed 1207 meters of shoreline

Brown's Peak Crk

ASC NUMBER: 248-10-10040 SEGMENT NUMBER: YR CATALOGED:
 LOCATION: Kamishak BAY
 STREAM NAME: Brown's Peak Creek
 LOCAL STREAM #: _____
 QUADRANGLE: Iliamna G-2
 SHORELINE TYPE: BEACH
 WAVE EXPOSURE: High
 LATITUDE: 59°
 LONGITUDE: 153° 22"
 LEGAL: S 7S 26W 20
 ALL SEGMENTS: _____

SC NUMBER: _____
 SURVEY TYPE: BS
 METHOD: FOOT
 DATE: 7/11/89
 START TIME: 1530
 STOP TIME: _____

TEAM RECORDER: AL DAVIS
 OBSERVERS: RANCE MORRISON

AGENCY(IES): ADP+G

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 | | | | | | | |

VERALL OIL IMPACT: NONE

OIL IN STREAM CHANNEL? _____
 SUBSTRATE

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? _____

| | |
|---------|---------|
| Bedrock | Granule |
| Boulder | Sand |
| Cobble | Silt |
| Pebble | Veget. |

| | | | | | |
|---------|---|--|--|--|--|
| SPECIES | — | | | | |
| COUNT | — | | | | |

REMARKS: Ground surveyed 1207 meters of shoreline

Brown's Peak Crk

SC NUMBER: 248-10-10040 SEGMENT NUMBER: YR CATALOGED: —
 LOCATION: Kamishak BAY LOCAL STREAM #: —
 NAME: Brown's Peak Creek
 IGAIAK K-UNIT: —
 USGS QUADRANGLE: Ilamna G-2
 SHORELINE TYPE: BEACH
 TIDE EXPOSURE: High
 ALL SEGMENTS: —
 DATE: 10/9/91

SC NUMBER: —
 SURVEY TYPE: ~~BS~~ SS
 METHOD: FOOT
 DATE: 7/11/89
 START TIME: 1530
 STOP TIME: —

TEAM RECORDER: AL DAVIS
 OBSERVERS: RANCE MORRISON
 AGENCY(IES): AOP+G
 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 | t | THICK cm | PEN cm | OIL TYPE |
|--------|----------|---------|----|---|----------|--------|----------|
| SITE 1 | — | — | — | — | — | — | — |
| SITE 2 | | | | | | | |
| SITE 3 | | | | | | | |
| SITE 4 | | | | | | | |
| SITE 5 | | | | | | | |

OVERALL OIL IMPACT: NONE

OIL IN STREAM CHANNEL? — N
 SUBSTRATE

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? — N

| | |
|---------|---------|
| Bedrock | Granule |
| Boulder | Sand |
| Cobble | Silt |
| Pebble | Veget. |

| | | | | | |
|---------|---|--|--|--|--|
| SPECIES | — | | | | |
| COUNT | — | | | | |

REMARKS: Ground Surveyed 1207 meters of shoreline

ACE 10494119-15

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST

PAGE 58

DATE PRINTED: 08/14/91

STREAM# : 2481010040
SEGMENT#:

SURVEY TYPE : 89 AFHS - BS /SS LOCATION: COOK INLET, WEST SIDE, URSUS
DATE: 07/27/89 HEAD, 4 MILES WEST OF
TIMES: 1432 - 1535 TEAM RECORDER: HILL

-- OILING EXTENT --

| SITE# | SITE TYPE | DEPTH (cm) | LENGTH (m) | WIDTH (m) | AREA (m) | % | THICK (cm) | PEN (cm) | OIL TYPE CODES |
|-------|-----------|------------|------------|-----------|----------|---|------------|----------|----------------|
| 1 | | | | | | | | | OILED PLASTIC. |

COMMENTS:

SITE 5-3. ROLL OF FILM WAS RUINED BY FILM PROCESSOR - SHREDDED FILM. SAMPLE CONSISTS OF A BLOB OF OIL FOUND ~200 YARDS WEST OF THE STREAM MOUTH. NO CARCASSES OBSERVED - NICE BRIGHT FISH. SOW WITH 2 CUBS FISHING AT STREAM MOUTH. MAJORITY OF FISH OBSERVED ~300 YARDS UPSTREAM OF STREAM MOUTH. NO FISH AT MOUTH OR SALTWATER. AERIAL COUNT OF PINKS - 500, GROUND COUNT OF PINKS - 120.

1 piece of oiled plastic found.

ACE 10494121 -15

1989-AFHS



Site 5-3

Brown Peak Creek

ASC NUMBER: 248-10-10040 SEGMENT NUMBER: *None* YR CATALOGED:

LOCATION: Kamishak Bay, 2.2 mile NE Ureus Cove mouth

EAM NAME: Brown Peak Creek

ADIAK K-UNIT: LOCAL STREAM #:

US QUADRANGLE: Iliamna C-2

SHORELINE TYPE: Beach ALL SEGMENTS:

WAVE EXPOSURE: High

LATITUDE: 59 38 4

LONGITUDE: 153 42 33

LEGAL: S 6S 26W 28

ASC NUMBER:

SURVEY TYPE: *BS/SC*

METHOD: *Ground*

DATE: 7/27/89

START TIME: 1432

STOP TIME: 1535

TEAM RECORDER: *Doug Hill*

OBSERVERS: *Lee Glenn*

AGENCY(IES): *AQF+G*

PHOTOS TAKEN? *Ruined by film processor*

Roll #: _____ Frames: *Shredded film*

VIDEO TAKEN? _____ Tape Number:

Counter Start:

Comments.

SAMPLES TAKEN?

SAMPLE I.D. NUMBERS: *89DDH031H*

1. *DDH/LPG-7/27/89-1500* 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: *VVL*

OIL IN STREAM CHANNEL? *N*

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? *N*

SUBSTRATE

| | |
|-----------------|------------------|
| Bedrock | Granule <i>✓</i> |
| Boulder | Sand |
| Cobble | Silt |
| Pebble <i>✓</i> | Veget. |

| | | | | |
|---------|---|-------------|--|--|
| SPECIES | <i>Pink</i> | <i>Bear</i> | | |
| COUNT | <i>500 - Arid?</i> <i>120 - Ground</i> | <i>3</i> | | |

720 500

COMMENTS: sample consists of an blob of oil found approximately 200 yards west of the stream mouth. *1 piece oil plastic*

No carcasses observed - nice bright fish.

Saw 2 cubs fishing at stream mouth

Majority of fish observed 2300 yds upstream of stream mouth.

No fish at mouth or saltwater

ACE 10494122 HS

FISH HABITAT ASSESSMENT FORM

No Dupe

Cook Inlet - West Side

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

6 SITE NO. 5-3 7 AERIAL PHOTO NO. 8 CAT NO. 248-10-10040

9 STREAM NAME Brown Peak Crk 10 LAT 11 LONG

12 DATE 7/27/89 13 TIME 1432 14 TIDE: Low slack Flood High slack (ebb)

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

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. Brown Peak Crk - DDH/LPG - 7/27/89 - 1500

21 35 mm PICTURES TAKEN? (Y) N 22 PROCESSOR Ruined/shredded 23 ROLL NO(S). NONE

| 23 EXPOSURE NO. | 24 DESCRIPTION |
|-----------------|----------------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

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

27 DESCRIPTION: ACE 10494123 ACE 7380261

ANADROMOUS FISH OBSERVATIONS

| | PINK | CHUM | RED | KING | COHO | DOLLY | | |
|--------------|------|------|-----|------|------|-------|--|--|
| 28 Aerial | 500 | | | | | | | |
| 29 Ground | 120 | | | | | | | |

30 COMMENTS: Nice Bright Fish / No Carcasses observed
Brown Bear & 2 cubs fishing at mouth
Majority of fish observed about 300 yds upstream of mouth
No fish observed at mouth / saltwater

OIL OBSERVATIONS

*sum
5/5*

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 _____

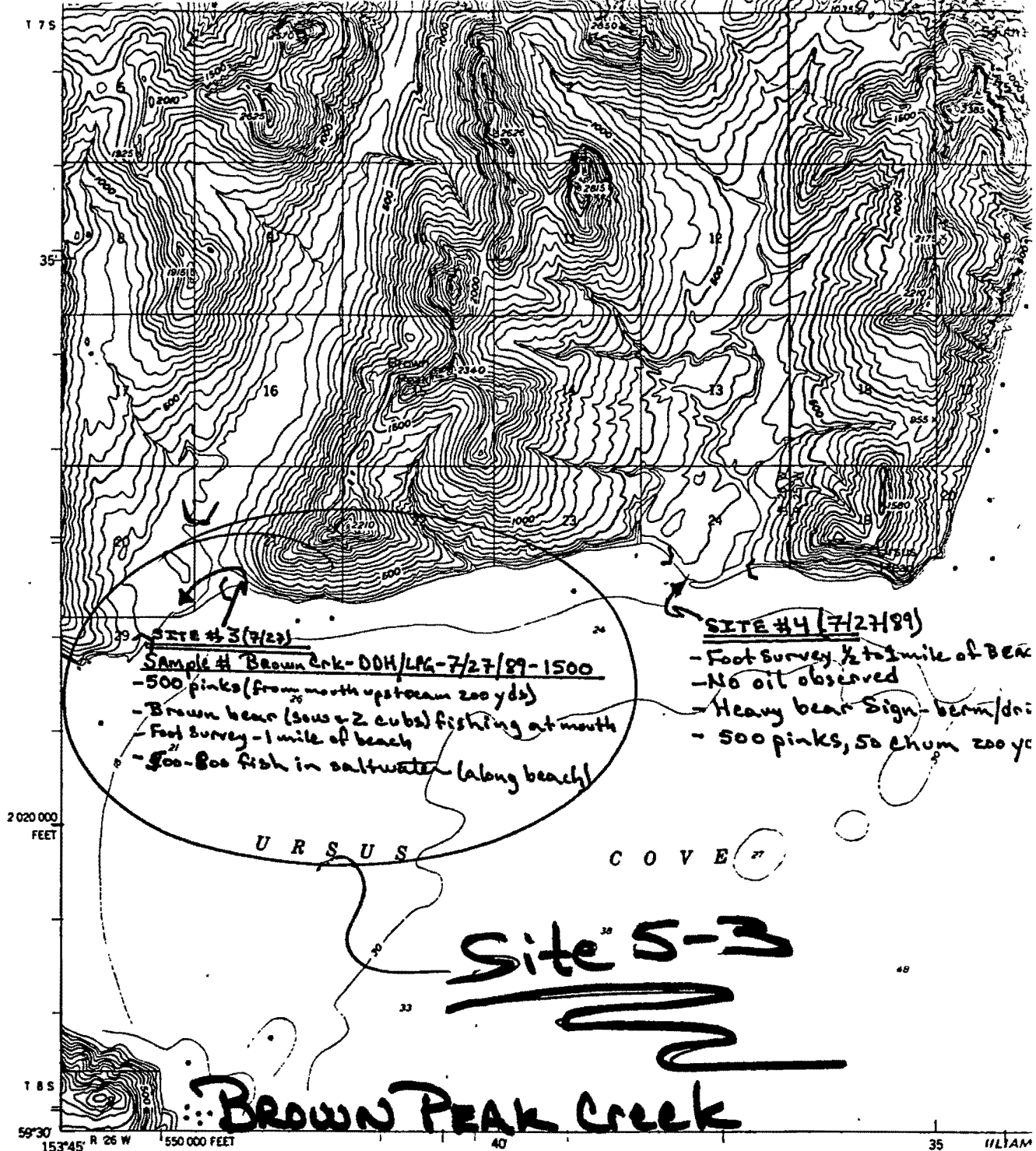
- sample consists of one oiled piece of plastic found approximately ~~200~~ 200 yards to west of stream mouth

35 COMMENTS: _____

ACE 10494124

ACE 7380262

Iliamna
C-2



SITE #3 (7/23)
 Sample # Brown Crk-DOH/LAG-7/27/89-1500
 - 500 pinks (from mouth upstream 200 yds)
 - Brown bear (sow + 2 cubs) fishing at mouth
 - Foot Survey - 1 mile of beach
 - 500-800 fish in saltwater (along beach)

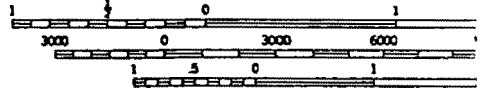
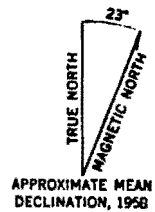
SITE #4 (7/27/89)
 - Foot Survey 1/2 to 3 mile of Bear
 - No oil observed
 - Heavy bear sign - berm/dic
 - 500 pinks, 50 chum 200 yd

SITE #5-3

BROWN PEAK CREEK

IILIAMNA B-31

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



CONTOUR INT:
 NATIONAL GEODETIC 1
 DEPTH CURVES AND SOUNDINGS IN FT
 SHORELINE SHOWN REPRESENTS THE
 THE MEAN RANGE OF TIDE

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

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

ACE 10494125-15

ACE 7380263

1989-AFHS

Site 5-3

Brown Peab Creek

ASC NUMBER: 248-10-10040 SEGMENT NUMBER: *Wave* YR CATALOGED:
 LOCATION: *Kamishak Bay, 2 1/4 mile NE Uras Cove mouth*
 TEAM NAME: *Brown Peab Creek* LOCAL STREAM #:
 KODIAK K-UNIT: USGS QUADRANGLE: *Iliamna C-2* LEGAL: *S 6S 26W 28*
 SHORELINE TYPE: *Beach* ALL SEGMENTS:
 WAVE EXPOSURE: *High*

ASC NUMBER:
 SURVEY TYPE: *BS/4*
 METHOD: *Ground Foot*
 DATE: *7/27/89*
 START TIME: *1432*
 STOP TIME: *1535*

TEAM RECORDER: *Doug Hill*
 OBSERVERS: *Lee Glenn*
 AGENCY (IES): *ADFG*

*10/3/91
 MCH*

PHOTOS TAKEN? *Ruined by film processor*
 Roll #: _____ Frames: *Shredded film*
 VIDEO TAKEN? _____ Tape Number:
 Counter Start:

SAMPLES TAKEN?

SAMPLE I.D. NUMBERS: 1. *DDH/LPG-7/27/89-1500* 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: *VL*

OIL IN STREAM CHANNEL? *N*

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? *N*

SUBSTRATE

| | |
|-----------------|------------------|
| Bedrock | Granule <i>X</i> |
| Boulder | Sand |
| Cobble <i>X</i> | Silt |
| Pebble <i>X</i> | Veget. |

*DDH
 10/3/91*

| | | | | | |
|---------|---------------------|--|--|--|--|
| SPECIES | <i>Pink</i> | | | | |
| COUNT | <i>500 - Aerial</i> | | | | |
| | <i>120 - Ground</i> | | | | |

one oiled piece of plastic

COMMENTS: *sample consists of one blob of oil found approximately 200 yards west of the stream mouth.*
No carcasses observed - nice bright fish.
Saw 2 cubs fishing at stream mouth
Majority of fish observed ~300 yds upstream of stream mouth.
No fish at mouth or saltwater

ACE 10494126 +15

FISH HABITAT ASSESSMENT FORM

No Dupe

Cook Inlet - West Side

'REGION: 'PWS 'KP, CI 'K, AP 'OBSERVER(S) Doug Hill, Lee Glenn

'SITE NO. 5-3 'AERIAL PHOTO NO. _____ 'CAT NO. 248-10-10040

'STREAM NAME Brown Peak Ck 'LAT _____ 'LONG _____

'DATE 7/27/89 'TIME 1432 'TIDE: Low slack Flood High slack (ebb)

'CATALOGED ANADROMOUS STREAM? Y N 'ANAD. FISH FOUND? Y N

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

'OIL SAMPLES TAKEN? Y N 'ID NOS. Brown Peak Ck - DDH/LPG - 7/27/89 - 1500

'35 mm PICTURES TAKEN? Y N 'ROLL NO(S). NONE

Processor Ruined/shredded
Film
→

| 'EXPOSURE NO. | 'DESCRIPTION |
|---------------|--------------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

'VIDEO FOOTAGE TAKEN? Y N 'CASSETTE NO(S). _____

'DESCRIPTION: _____
ACE 10494127 →
ACE 7380261

ANADROMOUS FISH OBSERVATIONS

| | PINK | CHUM | RED | KING | COHO | DOLLY | | |
|--------------|------|------|-----|------|------|-------|--|--|
| 28 Aerial | 500 | | | | | | | |
| 29 Ground | 120 | | | | | | | |

30 COMMENTS: Nice Bright Fish / No Carcasses observed
Brown Bear & 2 cubs fishing at mouth
Majority of fish observed about 300 yds upstream of mouth
No fish observed at mouth / saltwater

OIL OBSERVATIONS

*Site
5/1*

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 _____

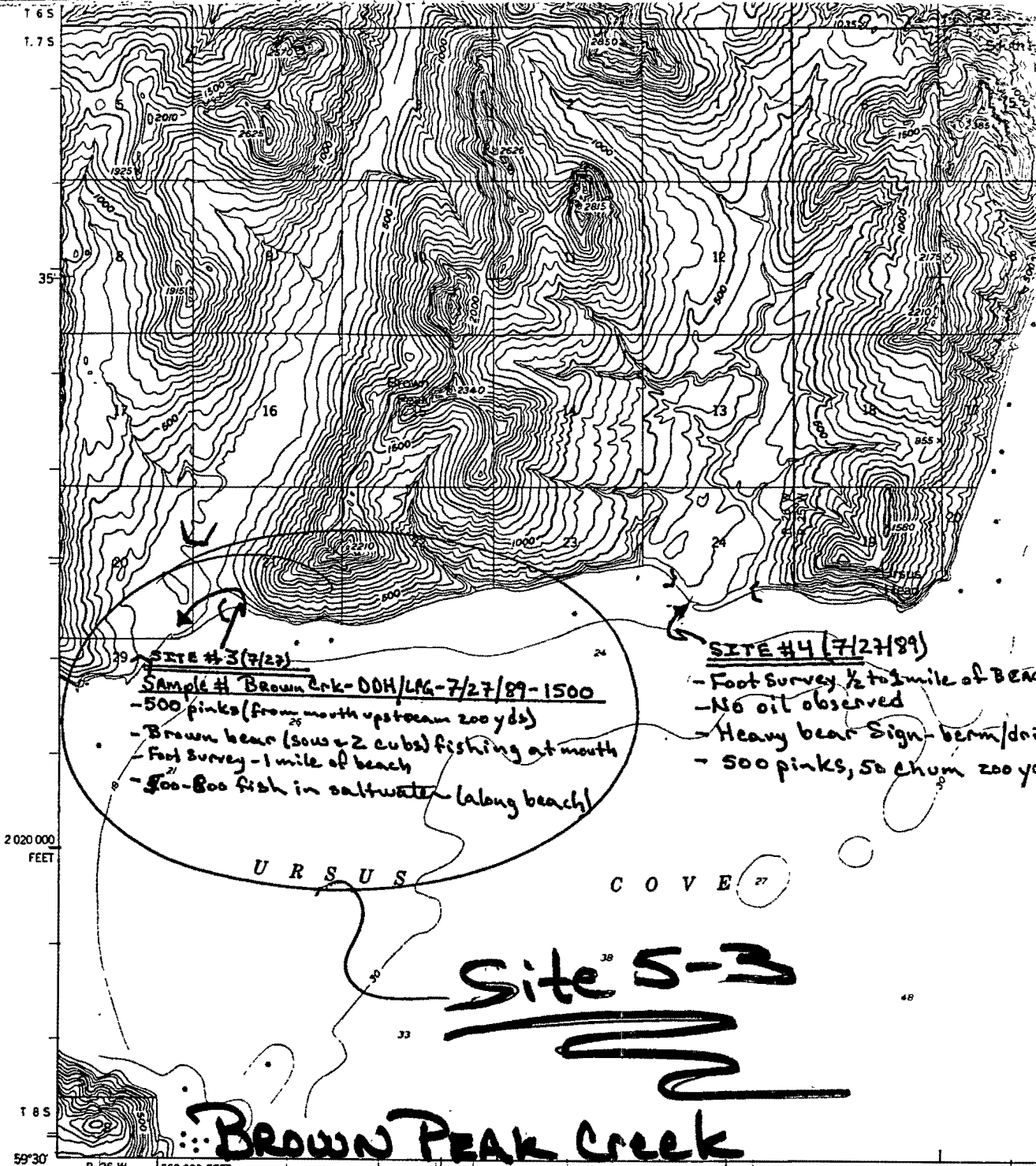
- Sample consists of one oiled piece of plastic found approximately ~~200~~ 200 yards to west of stream mouth

ACE 10494128

35 COMMENTS:

ACE 7380262

*Iliamna
C-2*



SITE #3 (7/27)
 Sample #1 Brown Crk - DDH/LKG - 7/27/89 - 1500
 - 500 pinks (from north upstream 200 yds)
 - Brown bear (sows + 2 cubs) fishing at mouth
 - Foot Survey - 1 mile of beach
 - 500-800 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/dock
 - 500 pinks, 50 Chum 200 yds

Site #5-3

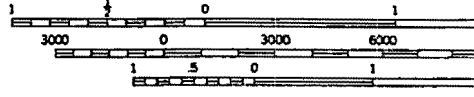
BROWN PEAK CREEK

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
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 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



APPROXIMATE MEAN DECLINATION, 1958



CONTOUR INTERVAL
 NATIONAL GEODETIC SURVEY
 DEPTH CURVES AND SOUNDINGS IN FEET
 SHORELINE SHOWN REPRESENTS THE MEAN RANGE OF TIDE

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

FOR SALE BY U.S. GEOLOGICAL SURVEY
 FAIRBANKS, ALASKA 99701, DENVER, COLORADO
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS

ACE 10494129 *TL/S/PIH/F*

ACE 7380263