

ADF&G MULTI-ASSESSMENT FORM  
1991 GENERAL ENTRY CHECKLIST



STREAM#: 2421010200  
SEGMENT: KC901

PAGE 16

DATE PRINTED: 06/21/91

LOCATION: ANDERSEN BEACH, DIRECTLY NORTH OF PERL ISLAND

SURVEY TYPE: 90 PRE SCREEN - SS

METHOD: GROUND

DATE: 04/16/90

TEAM RECORDER: HILL

START TIME: 1540

OBSERVERS: MCLANE

END TIME: 1620

OG/HAB DISCREPANCIES: -

AGENCY: FG

PHOTOS TAKEN: N

STATION: 2421010200

ROLL#: -0-

FRAME: -0-

VIDEO TAKEN: N

TAPE#: -0-

START: -0-

END: -0-

SAMPLES TAKEN: Y

SAMPLE NUMBERS: ??

*90DDH07114 OK*  
*DDH/SM-4/16/90-1600-*  
-0- -0-  
-0- -0-

OIL IN STREAM BED: N

OVERALL OIL IMPACT: L/M

OIL ON BEACH BY MOUTH: -

WAVE EXPOSURE: HIGH

SHORELINE TYPE: LOW-LYING ROCKS BEACH

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

GRAVEL 15 SAND 85 MUD/SILT -0- GRANULE -0-

ANADROMOUS FISH PRESENT: N

SPECIES: -0-

COUNT: -0-

-0-

-0-

-0-

-0-

-0-

-0-

-0-

-0-

ADF&G MULTI-ASSESSMENT FORM  
1991 OILING ENTRY CHECKLIST



PAGE 17

DATE PRINTED: 06/21/91

STREAM# : 2421010200  
SEGMENT#: KC901

SURVEY TYPE : 90 PRE SCREEN - SS      LOCATION: ANDERSEN BEACH, DIRECTLY  
DATE: 04/16/90      NORTH OF PERL ISLAND  
TIMES: 1540 - 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     | -0-       | -0-        | 30         | 39        | 1170<br>-0- | 90 | 1-3        | 1-10     | MS AP ST CT    |

COMMENTS:

SAMPLE TAKEN 1/4 MILE SW OF SALMON STREAM MOUTH (TAKEN FROM ROCKY OUTCROPPING). SPORADIC PATCHES OF OIL SATURATED SAND/GRAVEL. TAR PATTIES FOUND OVER AN APPROX 30 X 40 YARD AREA. LIGHT SHEENS ON TIDE POOLS. DEAD LIMPETS FOUND SMOTHERED IN OIL. MOUSSE FOUND IN INTERSTICES & BENEATH COBBLES & BOULDERS. IT IS MY OPINION THAT THIS AREA APPEARS CONSIDERABLEY CLEANER THAN IN AUGUST 1989. MUSH OF THE OIL SATURATED SAND/GRAVEL TO THE NE OF THE OUTCROPPING IS EITHER NOT VISIBLE OR HAS BEEN REMOVED. A QUANTITY OF OIL COULD STILL BE REMOVED BY CLEANUP WORKERS. ANADSCAT NOT RECOMMENDED.

OIL ON STREAM BANKS: NO

OIL WITHIN 1 MILE OF STREAM: YES, ROCKY OUTCROPPING

ASC NUMBER: 242-10-10200 SEGMENT NUMBER: Unit 10 YR CATALOGED:  
 LOCATION: OCKP, Chugach Passage, Andersen Beach  
 STREAM NAME: LATITUDE: 59 9 54  
 KODIAK K-UNIT: LOCAL STREAM #: LONGITUDE: 151 41 43  
 GS QUADRANGLE: Seldovia A-5 LEGAL:  
 SHORELINE TYPE: Low lying Rocks, Beach ALL SEGMENTS:  
 WAVE EXPOSURE: high

ASC NUMBER: 242-10-10200 TEAM RECORDER: Doug Hill  
 SURVEY TYPE: Prescreening OBSERVERS: Susan McHane  
 METHOD: Foot AGENCY (IES): ADF&G  
 DATE: 4 / 16 / 90 PHOTOS TAKEN? N  
 START TIME: 1540 Roll #: Frames:  
 STOP TIME: 1620 VIDEO TAKEN? Tape Number:  
 Counter Start:

SAMPLES TAKEN? Y  
 SAMPLE I.D. NUMBERS: 1. ~~064/cm-4/16/90-1600~~ 2. 3.  
 4. 5. 6.

|        | LENGTH m | WIDTH m | M2 | %   | THICK cm | PEN cm | OIL TYPE             |
|--------|----------|---------|----|-----|----------|--------|----------------------|
| SITE 1 | 30m      | 39m     |    | 90% | 1-3cm    | 1-10cm | ST, LT, CV<br>AK, AP |
| SITE 2 |          |         |    |     |          |        |                      |
| SITE 3 |          |         |    |     |          |        |                      |
| SITE 4 |          |         |    |     |          |        |                      |
| SITE 5 |          |         |    |     |          |        |                      |

OVERALL OIL IMPACT: L/M

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

SUBSTRATE

|             |          |
|-------------|----------|
| Bedrock 55% | Granule  |
| Boulder     | Sand 30% |
| Cobble      | Silt     |
| Pebble 15%  | Veget.   |

| SPECIES | BEAR Tracks | LAND Oiler Tracks |  |  |  |
|---------|-------------|-------------------|--|--|--|
| COUNT   |             |                   |  |  |  |

COMMENTS: Sample taken 1/4 mile SW of Salmon stream mouth (taken from rocky outcroppings). Sporadic patches of oil saturated sand/gravel. Tan. patties found over a  $\approx$  30 x 40 yard area. Light sheens on tide pools. Dead limpets found smothered in oil. Mousse found in interstices & beneath cobbles & boulders. It is my opinion that this area appears considerably cleaner than in August 1989. Much of the oil saturated sand/gravel to the NE of the outcropping is either not visible or has been removed. A quantity of oil could still be removed by cleanup workers.

NOT Included in A, B, C pre-screening list

Prescreening

Included in last year's Stream Survey, 1989 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

3 DATE: 4-16-90 16 HIGH TIDE TIMES: 0455

4 START TIME: 1540 18 HIGH TIDE HTS: 11.2

6 STOP TIME: 1630 17 LOW TIDE TIMES: 1229

8 SEGMENT #: Unit 10 18 LOW TIDE HTS: 1.5

7 STATION #: 19 TIDE HT AT SURVEY: mid

8 K-UNIT: Ebb Slack (Flood) Slack 25 VIDEO TAKEN: Y (N) TAPE#: Start: End:

9 STAT AREA: 242-20 20 USCG QUAD: Seldovia A-5

10 LAT: 59° 09' 36" 11 LONG: 151° 42' 24" 26 SAMPLES TAKEN (Y) N Number

12 SOURCE: Map Loren 01 DDH/sm - 4/16/90-1600

13 LOCATION: Andersen Beach Sediment

14 DESCRIPTION: Chugach Passage N. shore - north of Port Is. Biological

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 30 CATALOGED ANAD. FISH SREAM? (Y) N

31 OIL TYPE: Pooled (House) (Tar) Asphalt Sticky Stain 37 CATALOG #: 242-20-10200

32 OILED DEBRIS? Y N 38 STREAM NAME: Andersen Beach Stream

33 SHORELINE TYPE: Headland (Low-lying Rocks) (Beach) Cove 39 OIL IN STREAM BED? Y (N)

34 WAVE EXPOSURE: (High) Moderate Low 40 OIL ON STREAM BANKS? Y (N)

35 SUBSTRATE TYPE: Bedrock Boulder Cobble 41 OIL ON BEACH ADJACENT TO MOUTH? (Y) N (within 50 meters)

Gravel 15% Sand 85% Mud/silt

44 ANADROMOUS FISH OBSERVATION Species Aerial Ground

|  |  |  |
|--|--|--|
|  |  |  |
|  |  |  |
|  |  |  |

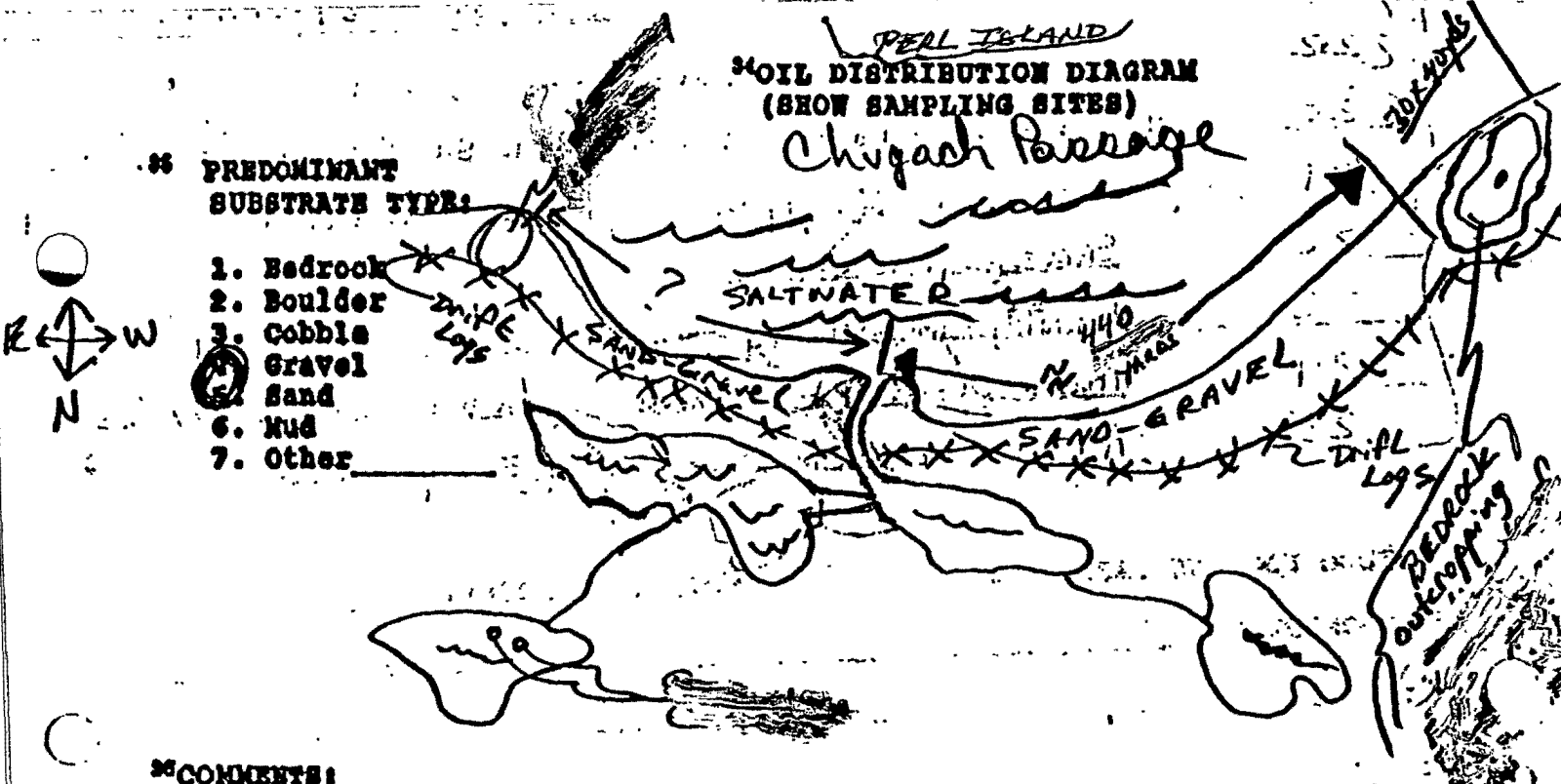
ACE 10459393

COMMENTS: Sample taken 1/4 mi from Rocky Pt. west of Salmon outlet South West of Salmon Stream mouth (taken from rocky outcroppings). Sporadic patches of saturated sand and gravel/tar patties over an approx 30' x 40' yard area. It is my opinion (Doug Hill) that this area appears considerably cleaner than August of 1989. Much of the oil is saturated sand/gravel to the

FRAME(S)

DESCRIPTION

48 OIL DISTRIBUTION DIAGRAM



*ANADSLAT - Not Recommended*

= Sample taken  
= Photo frame # and shot direction.

ACE 10459394 *1/5*

ACE 1955689

ASC NUMBER: 242-10-10200 SEGMENT NUMBER: Unit 10 YR CATALOGED:  
 LOCATION: OCKP, Chugach Passage, Andersen Beach  
 STREAM NAME: LATITUDE: 59 9 54  
 DIAK K-UNIT: LOCAL STREAM #: LONGITUDE: 151 41 43  
 USGS QUADRANGLE: Seldovia A-5 LEGAL:  
 SHORELINE TYPE: Low lying Rocks, Beach ALL SEGMENTS:  
 WAVE EXPOSURE: high

ASC NUMBER: 242-10-10200  
 SURVEY TYPE: Prescreening  
 METHOD: Foot  
 DATE: 4 / 16 / 90  
 START TIME: 1540  
 STOP TIME: 1620

TEAM RECORDER: Doug Hill  
 OBSERVERS: Susan McHane

AGENCY(IES): ADF+G

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

SAMPLES TAKEN?

SAMPLE I.D. NUMBERS: 1. Dot/2m - 4/16/90 - 1600 2. 3.  
 4. 5. 6.

|        | LENGTH m | WIDTH m | M2 | %   | THICK cm | PEN cm | OIL TYPE             |
|--------|----------|---------|----|-----|----------|--------|----------------------|
| SITE 1 | 39m      | 30m     |    | 80% | 1-3cm    | 1-10cm | M <sub>2</sub> , Tar |
| SITE 2 |          |         |    |     |          |        |                      |
| SITE 3 |          |         |    |     |          |        |                      |
| SITE 4 |          |         |    |     |          |        |                      |
| SITE 5 |          |         |    |     |          |        |                      |

OVERALL OIL IMPACT: L/M

OIL IN STREAM CHANNEL?

OIL ON BEACH WITHIN 50M OF STREAM MOUTH?

SUBSTRATE

|             |          |
|-------------|----------|
| Bedrock 55% | Granule  |
| Boulder     | Sand 30% |
| Cobble      | Silt     |
| Pebble 15%  | Veget.   |

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

COMMENTS:

ST, CT, CV, and sporadic tarballs were observed outside of the 30m x 39m described above. T

ASC NUMBER: 242-10-10200

SEGMENT NUMBER: Unit 10

YR CATALOGED:

LOCATION: OCKP, Chugach Passage, Andersen Beach

STREAM NAME:

LATITUDE: 59 9 54

KODIAK K-UNIT:

LOCAL STREAM #:

LONGITUDE: 151 41 43

USGS QUADRANGLE: Seldovia A-5

SHORELINE TYPE: Low lying Rocks, Beach

ALL SEGMENTS:

WAVE EXPOSURE: high

ASC NUMBER: 242-10-10200

SURVEY TYPE: Prescreening

METHOD: Foot

DATE: 4 / 16 / 90

START TIME: 1540

STOP TIME: 1620

TEAM RECORDER: Doug Hill

OBSERVERS: Susan McChane

AGENCY(IES): ADF&G

PHOTOS TAKEN? N

Roll #:

Frames:

VIDEO TAKEN?

Tape Number:

Counter Start:

SAMPLES TAKEN? 7

SAMPLE I.D. NUMBERS: 1. DWH/sm-4/16/90-1600 2.  
4. 5.

3.  
6.

|        | LENGTH m | WIDTH m | M2 | %   | THICK cm | PEN cm | OIL TYPE             |
|--------|----------|---------|----|-----|----------|--------|----------------------|
| SITE 1 | 30m      | 39m     |    | 90% | 1-3cm    | 1-10cm | ST, LT, CV<br>MS, AP |
| SITE 2 |          |         |    |     |          |        |                      |
| SITE 3 |          |         |    |     |          |        |                      |
| SITE 4 |          |         |    |     |          |        |                      |
| SITE 5 |          |         |    |     |          |        |                      |

OVERALL OIL IMPACT: L/M

OIL IN STREAM CHANNEL? N

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? N

SUBSTRATE

|             |          |
|-------------|----------|
| Bedrock 55% | Granule  |
| Boulder     | Sand 30% |
| Cobble      | Silt     |
| Pebble 15%  | Veget.   |

| SPECIES | BEAR Tracks | LAND Oiler Tracks |  |  |  |
|---------|-------------|-------------------|--|--|--|
| COUNT   |             |                   |  |  |  |

COMMENTS: Sample taken 1/4 mile SW of Salmon stream mouth (taken from rocky outcroppings). Sporadic patches of <sup>oil</sup> saturated sand/gravel. Tar patties found over a  $\approx$  30 x 40 yard area. Light sheens on tide pools. Dead limpets found smothered in oil. Mousse found in interstices & beneath cobbles & boulders. It is my opinion that this area appears considerably cleaner than in August 1989. Much of the oil saturated sand/gravel to the N/E of the outcropping is either not visible or has been removed. A quantity of oil could still be removed by cleanup workers.

ACE 10459396

1/5

NOT Included in A, B, C pre-screening list

# Prescreening

WAS included in last years Stream Survey, "1989" ADF&G MULTI-ASSESSMENT DATA FORM

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

METHOD: Aerial  Ground Boat

3 DATE: 4-16-90 16 HIGH TIDE TIMES: 0455

4 START TIME: 1540 18 HIGH TIDE HTS: 11.2

6 STOP TIME: 1630 17 LOW TIDE TIMES: 1229

8 SEGMENT #: Unit 10 18 LOW TIDE HTS: 1.5

7 STATION #: 10 TIDE HT AT SURVEY: mid

8 K-UNIT: Ebb Slack  Flood Slack

9 STAT AREA: 242-20 20 USCG QUAD: Seldovia A-5

10 LAT: 59°09'36" 11 LONG: 151°42'24"

12 SOURCE: Map Loran

13 LOCATION: Andersen Beach

14 DESCRIPTION: Chugach Passage N. shore - north of Pearl Is.

21 TEAM RECORDER: Doug Hill

22 OBSERVERS: Susan McLoone

23 AGENCY: ADF&G

24 PHOTOS TAKEN: Y  N

Roll #: Frame:

25 VIDEO TAKEN: Y  N TAPE#:

Start: Ends:

26 SAMPLES TAKEN  Y  N Number

oil DDH/sm - 4/16/90-1600

Sediment

Biological

Water

### EXTENT OF OIL

|                        | SHORELINE |    |                |   | STREAM |   |                |   |
|------------------------|-----------|----|----------------|---|--------|---|----------------|---|
|                        | L         | W  | M <sup>2</sup> | S | L      | W | M <sup>2</sup> | S |
| 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 #: 242-20-10200

38 STREAM NAME: Andersen Beach Stream

39 OIL IN STREAM BED? Y  N

40 OIL ON STREAM BANKS? Y  N

41 OIL ON BEACH ADJACENT TO MOUTH? (within 50 meters)  Y  N

42 OIL WITHIN 1 MILE OF STREAM?  Y  N

Where: rocky outcropping

43 ANADROMOUS FISH PRESENT? Y  N

31 OIL TYPE: Pooled  House  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 Gravel 15% Sand 85% Mud/silt

44 ANADROMOUS FISH OBSERVATION

| Species | Aerial | Ground |
|---------|--------|--------|
|         |        |        |
|         |        |        |
|         |        |        |

ACE 10459397-15

COMMENTS: Sample taken 1/4 mi from Rocky Pt. west of ~~Salmon outlet~~ South West of Salmon Stream mouth (taken ~~1/4 mi~~ from rocky outcropping). Sporadic patches of saturated sand and gravel/tar patches over an approx 30' x 40' yard area. It is my opinion (Doug Hill) that this area appears considerably cleaner than August of 1989. Much of the oil saturated sand/gravel to the NE of the site ~~was~~ or has been removed.



FRAME(S)

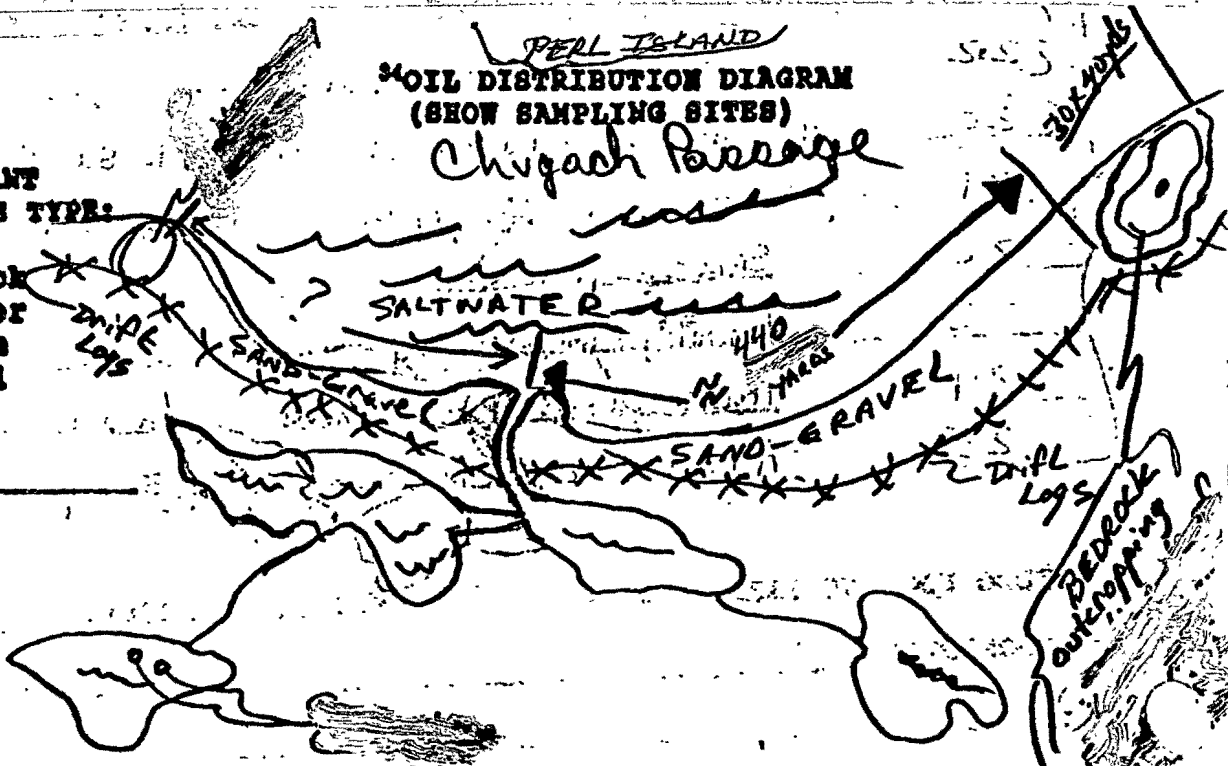
DESCRIPTION

46 OIL DISTRIBUTION DIAGRAM

PERL ISLAND  
OIL DISTRIBUTION DIAGRAM  
(SHOW SAMPLING SITES)  
Chigach Passage

PREDOMINANT  
SUBSTRATE TYPE:

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



COMMENTS:

ANADSLAT - Not Recommended

= Sample taken  
= Photo frame # and  
shot direction.

ACE 10459398 -/SG<sup>2</sup>

ACE 1955639

NOT Included in A, B, C pre-screening list

Faxed Anch 4/12/90  
Pre-screening

WAS included in last years Stream Surveys, 1989 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

3 DATE: 4-16-90 18 HIGH TIDE TIMES: 0455 21 TEAM RECORDER: Doug Hill

4 START TIME: 1540 16 HIGH TIDE HTS: 11.2 22 OBSERVERS: Susan McLane

6 STOP TIME: 1630 17 LOW TIDE TIMES: 1229 23 AGENCY: ADF&G

8 SEGMENT #: Unit 10 18 LOW TIDE HTS: 1.5 24 PHOTOS TAKEN: Y (N)

7 STATION #: \_\_\_\_\_ 19 TIDE HT AT SURVEY: mid Roll #: \_\_\_\_\_ Frame: \_\_\_\_\_

8 K-UNIT: \_\_\_\_\_ Ebb Slack (Flood) Slack 25 VIDEO TAKEN: Y (N) TAPE#: \_\_\_\_\_

9 STAT AREA: 242-20 20 USCG QUAD: Seldovia A-5 Start: \_\_\_\_\_ End: \_\_\_\_\_

10 LAT: 59° 09' 36" 11 LONG: 151° 42' 24" 26 SAMPLES TAKEN? (Y) N Number

12 SOURCE: Map Loran 011 DDH/sm - 4/16/90-1600

13 LOCATION: Andersen Beach Sediment \_\_\_\_\_

14 DESCRIPTION: Chugach Passage N. shore - north of Pearl Is. Biological \_\_\_\_\_

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 SREAM? (Y) N DDH 4/12/90

31 OIL TYPE: Pooled (Mousse) (Tar) Asphalt Sticky Stain 37 CATALOG #: 242-20-10200

32 OILED DEBRIS? Y N 38 STREAM NAME: Andersen Beach Stream

33 SHORELINE TYPE: Headland (Low-lying Rocks) (Beach) Cove 39 OIL IN STREAM BED? Y (N)

34 WAVE EXPOSURE: (High) Moderate Low 40 OIL ON STREAM BANKS? Y (N)

35 SUBSTRATE TYPE: Bedrock \_\_\_\_\_ Boulder \_\_\_\_\_ Cobble \_\_\_\_\_ 41 OIL ON BEACH ADJACENT TO MOUTH? (Y) N

Gravel 15% Sand 85% Mud/silt \_\_\_\_\_

42 OIL WITHIN 1 MILE OF STREAM? (Y) N  
Where: rocky outcropping

43 ANADROMOUS FISH PRESENT? Y (N)

44 ANADROMOUS FISH OBSERVATION

| Species | Aerial | Ground |
|---------|--------|--------|
|         |        |        |
|         |        |        |
|         |        |        |

ACE 10459399 →

COMMENTS: Sample taken 1/4 mi ~~from rocky Pt. west of~~ South West of Salmon Stream mouth (taken ~~1/2~~ from ~~rocky outcropping~~). Sporadic patches of saturated sand and gravel/tar patches over an ~~approx~~ 30' x 40' yard Area. It is my opinion (Doug Hill) that this area appears considerably cleaner than August of 1989. Much of the oil saturated sand/gravel to the NE of the site (to some) is either not visible or has been removed.



ADF&G MULTI-ASSESSMENT FORM  
1991 GENERAL ENTRY CHECKLIST

2014  
10/27/91  
✓  
OK  
★

STREAM#: 2421010200  
SEGMENT: KC901

PAGE 30

DATE PRINTED: 08/14/91

LOCATION: ANDERSEN BEACH, DIRECTLY NORTH OF PERL ISLAND

SURVEY TYPE: 89 CLEANUP MONITORING - BS/SS

METHOD: GROUND Foot

DATE: 07/21/89

TEAM RECORDER: HILL

START TIME: 1200

OBSERVERS: GLENN

END TIME: 1230

TIDES: low

AGENCY: FG

OG/HAB DISCREPANCIES:

PHOTOS TAKEN: Y

STATION: 2421010200

ROLL#: 89DDH007H 89DDH012H

FRAME: 22 20-25

VIDEO TAKEN: N

TAPE#:

START:

END:

SAMPLES TAKEN: Y

SAMPLE NUMBERS: 89DDH015H

OIL IN STREAM BED: N

OVERALL OIL IMPACT: H

OIL ON BEACH BY MOUTH: N

WAVE EXPOSURE: HIGH

SHORELINE TYPE: BEACH

SUBSTRATE TYPE: BEDROCK 55

BOULDER

COBBLE

VEGETAT

GRAVEL 15

SAND 30

MUD/SILT

GRANULE

ANADROMOUS FISH PRESENT: Y

SPECIES: Sockeye salmon (Adults)

COUNT: 80

Coho salmon (Fry)

100

★  
SALMON  
Present

ACE 10459380 +1/1/91

ADF&G MULTI-ASSESSMENT FORM  
1991 OILING ENTRY CHECKLIST

ok

PAGE 33

DATE PRINTED: 08/14/91

STREAM# : 2421010200  
SEGMENT#: KC901

SURVEY TYPE : 89 CLEANUP MONITORING LOCATION: ANDERSEN BEACH, DIRECTLY  
DATE: 07/21/89 NORTH OF PERL ISLAND  
TIMES: 1200 - 1230 TEAM RECORDER: HILL

-- OILING EXTENT --

| SITE# | SITE TYPE | DEPTH (cm) | LENGTH (m) | WIDTH (m) | AREA (m) | %   | THICK (cm) | PEN (cm) | OIL TYPE CODES |
|-------|-----------|------------|------------|-----------|----------|-----|------------|----------|----------------|
| 1     |           |            | 110        | 27        | 2970     | .60 | <7.5       | <25.5    | MS HOR OP S    |

COMMENTS:

SITE 1-2. THIS BEACH RECEIVED ONLY A FEW HOURS OF CLEANUP. THICK CONCENTRATIONS OF MOUSSE COULD BE FOUND EASILY AFTER THE CLEANUP OPERATION. JACK LENTFER (CNA REP.) REQUESTED ADDITIONAL WORK BUT NONE OCCURRED. ~100 COHO FRY IN OUTLET STREAM AND HUNDREDS OF COHO FRY IN LOWER LAKE. 8/12/89 - OBSERVED ~6000 PINK SALMON. 8/12/89 - OBSERVED ~3000 SOCKEYE SALMON.



7/24/89 -  
Observed ~~100~~ 100's  
in lower lake.

1989 - AFHS

Site 1-2

Andersen BEACH ok

ASC NUMBER: 242-10-10200 SEGMENT NUMBER: KC-905  
 LOCATION: Chugach Passage, Drainage directly North Perl Island <sup>unit 10</sup>  
 STREAM NAME: Andersen Beach Creek  
 ADIAK K-UNIT: LOCAL STREAM #:  
 USGS QUADRANGLE: Seldovia A-5  
 SHORELINE TYPE: Beach  
 WAVE EXPOSURE: High

YR CATALOGED:

LATITUDE: 59 9 54  
 LONGITUDE: 151 41 43  
 LEGAL: S 128 14W 6

ALL SEGMENTS:

ASC NUMBER:  
 SURVEY TYPE: BS CLEANUP MONITORING  
 METHOD: Ground  
 DATE: 7/21/89  
 START TIME: 1200  
 STOP TIME: 1230

TEAM RECORDER: Doug Hill  
 OBSERVERS: Lee Glenn

AGENCY (IES): ADF&G

PHOTOS TAKEN? Y  
 Roll #: 89DDH07 89DDH07 Frames: 07 => 22  
 89DDH12 89DDH02 12 => 20 => 25  
 VIDEO TAKEN? N Tape Number:  
 Counter Start:

SAMPLES TAKEN? Yes  
 SAMPLE I.D. NUMBERS: 1. LP6/DOH-7/21/89-12002.  
 4. 5. 6.

|        | LENGTH m | WIDTH m | M2   | %   | THICK cm | PEN cm | OIL TYPE                |
|--------|----------|---------|------|-----|----------|--------|-------------------------|
| SITE 1 | 110      | 27      | 2970 | .60 | <7.5     | <25.5  | MS, HOR, DP, ST, CT, CV |
| SITE 2 |          |         |      |     |          |        |                         |
| SITE 3 |          |         |      |     |          |        |                         |
| SITE 4 |          |         |      |     |          |        |                         |
| SITE 5 |          |         |      |     |          |        |                         |

OVERALL OIL IMPACT: H

FISH: Y

OIL IN STREAM CHANNEL? N

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? N

SUBSTRATE

|            |         |
|------------|---------|
| Bedrock 55 | Granule |
| Boulder    | Sand 30 |
| Cobble     | Silt    |
| Pebble 15  | Veget.  |

|         | 7/21/89        | 7/21/89               | 7/24/89                    | 8/12/89 | 8/22/89 |
|---------|----------------|-----------------------|----------------------------|---------|---------|
| SPECIES | Sockeye Adults | Coho Fry              | Coho Fry                   | Pinks   | sockeye |
| COUNT   | ~80            | ~100 in outlet stream | 100 observed in lower lake | ~6000   | ~3000   |

comments

COMMENTS: This beach received only a few hours of cleanup. Thick concentrations of mousse could be found easily after the cleanup operations. Jack Hunter (CNA Rep.) requested additional work but none occurred.

add to comment: ~100 Coho fry in outlet stream  
 hundreds of Coho fry in lower lake.

ACE 10459382 +13

483 Habitat

80 to 80-APL  
 130-1300

FISH HABITAT ASSESSMENT FORM

Andersen Beach

<sup>1</sup>REGION: <sup>2</sup>PWS

<sup>3</sup>KP, CI

<sup>4</sup>OBSERVER(S) Doug Hill, Lee Glynn

242-2010

<sup>6</sup>SITE NO. 1-2

<sup>7</sup>AERIAL PHOTO NO. 20, 21

<sup>8</sup>CAT NO. 10200, 2003

<sup>9</sup>STREAM NAME Andersen Beach <sup>10</sup>LAT \_\_\_\_\_ <sup>11</sup>LONG \_\_\_\_\_

<sup>12</sup>DATE 7/21/89 <sup>13</sup>TIME 1200 <sup>14</sup>TIDE: Low slack Flood High slack Ebb

<sup>15</sup>CATALOGED ANADROMOUS STREAM? Y N <sup>16</sup>ANAD. FISH FOUND?  N

<sup>17</sup>OIL FOUND IN STREAM?  N <sup>18</sup>OIL FOUND NEAR STREAM (1 MI.)?  N

<sup>19</sup>OIL SAMPLES TAKEN?  N <sup>20</sup>ID NOS. LP6/DOH-7/21/89-1200

<sup>21</sup>35 mm PICTURES TAKEN? Y N <sup>22</sup>ROLL NO(S). 89-DOH-7

<sup>23</sup>EXPOSURE NO. <sup>24</sup>DESCRIPTION 89-DOH-12

- 22 Upstream of outlet stream for entire system - taken from beach
- 20 40x50 yd heavily oiled boulder bedrock area to SW of stream - Jack Lentfer photo
- 21 Jack Lentfer scraping up standing mousse with trowel - heavily oiled
- 22 SAME AS photo 21
- 23 Moderately oiled boulder top - complete surface coated w/oil
- 24 Trowel full of thick brown mousse - found between nearly all rocks
- 25 A random scoop of mousse - brings up 3 limpets - dead

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

<sup>27</sup>DESCRIPTION: \_\_\_\_\_

ACE 10459383

ACE 7380159

U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
ALBUQUERQUE, NEW MEXICO

7/21  
1989

0 100  
meters

NORTH

CHUGACH PASSAGE

A

B

HOR  
1x4m

TREES

TREES

oil saturated sediment,  
ST, OT, CU

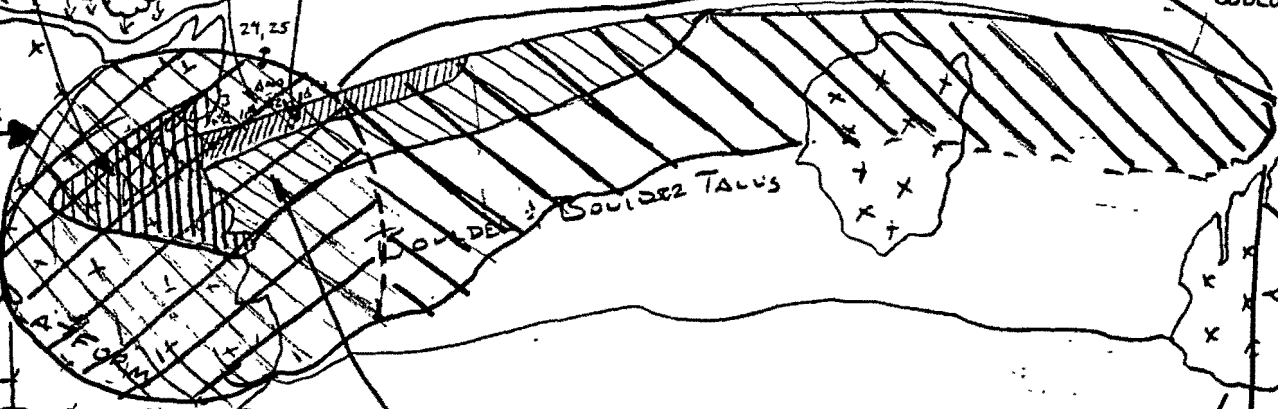
GRANULE - SAND - BOULDER

SAND-  
PEBBLE-  
COBBLE-  
BOULDER

29, 25

BOULDER TALUS

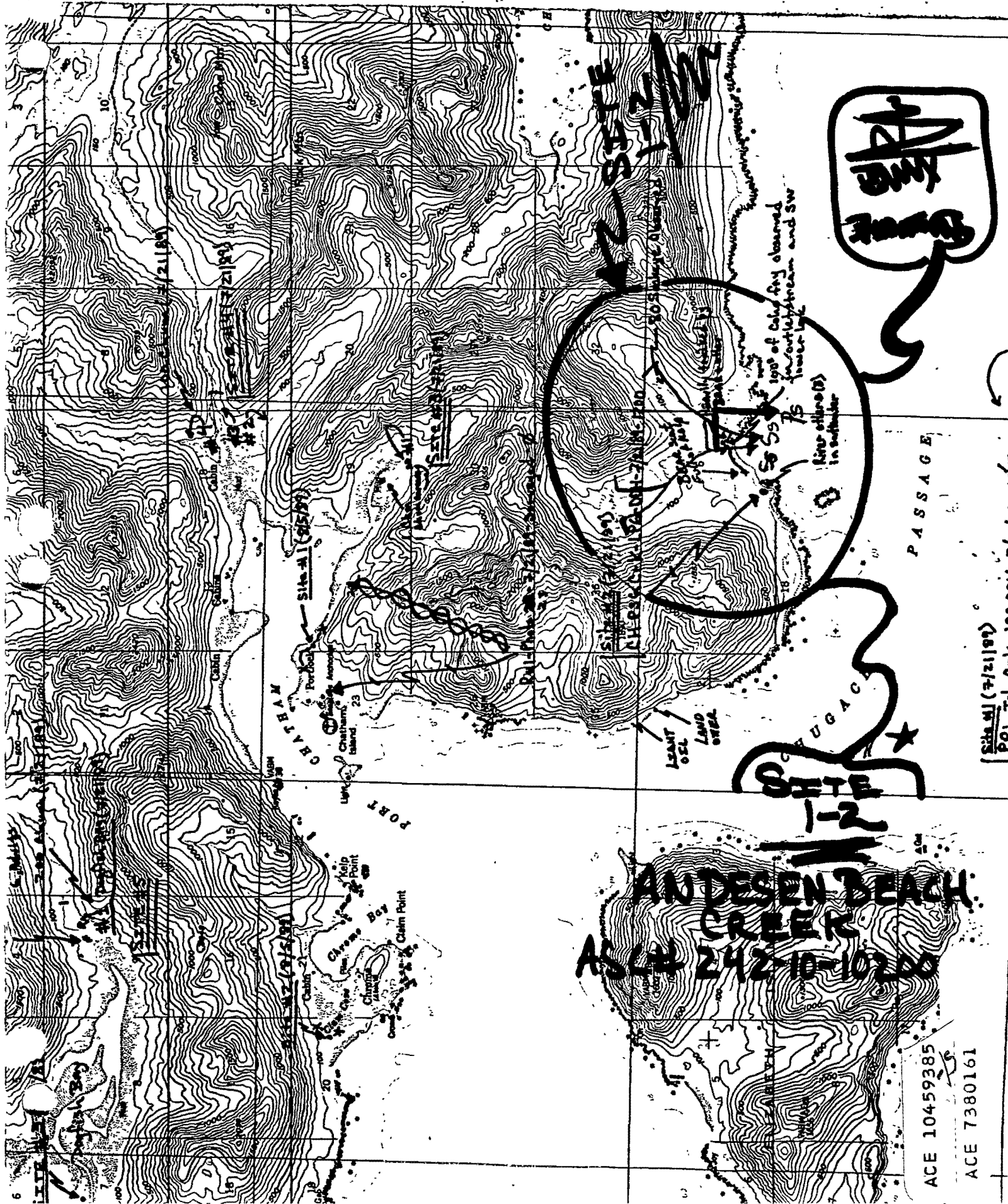
WAVE CUT



AREA of  
Heaviest  
oiling  
(MS, Heavily oil  
saturated  
sediment)

ACE 10459384





**Handwritten:** A large, stylized word, possibly 'AUGAC', enclosed in a rounded rectangular box with a tail pointing towards the center of the map.

**Handwritten:** A large circle drawn around a specific area on the map, containing several lines and arrows pointing to specific locations.

**Handwritten:** 100' of coral fray cleared  
for hydrogram and SW  
lower log

**Handwritten:** River strms(?)  
in outflow

**Printed:** PASSAGE

**Handwritten:** A large, stylized word, possibly 'AUGAC', with a star symbol next to it.

**Handwritten:** ANDERSEN BEACH  
A large, bold, stylized word, possibly 'ANDERSEN BEACH', written across the map.

**Printed:** ACE 10459385

**Printed:** ACE 7380161

**Printed:** (Site #) (7/21/92)  
PO: 1

1989 - AFHS

Site 1-2

Andersen BEACH

ASC NUMBER: 242-10-10200 SEGMENT NUMBER: KC-905  
 LOCATION: Chugach Passage, Drainage directly North Pearl Island  
 STREAM NAME: Andersen Beach Creek  
 FODIAK K-UNIT: LOCAL STREAM #:  
 USGS QUADRANGLE: Seldovia A-5  
 SHORELINE TYPE: Beach ALL SEGMENTS:  
 WAVE EXPOSURE: High

YR CATALOGED:

LATITUDE: 59 9 54  
 LONGITUDE: 151 41 43  
 LEGAL: S 123 14W 6

ASC NUMBER:  
 SURVEY TYPE: BS  
 METHOD: Ground  
 DATE: 7/21/89  
 START TIME: 1200  
 STOP TIME: 1230

TEAM RECORDER: Doug Hill  
 OBSERVERS: Lee Glenn

AGENCY (IES): ADF&G

PHOTOS TAKEN? Y

Roll #: 89DDH07

VIDEO TAKEN? 89DDH12

Counter Start:

Frames: 07 → 22

Tape Number: 12 → 20 → 25

SAMPLES TAKEN? Yes

SAMPLE I.D. NUMBERS: 1. LP6/DDH-7/21/89-12002.  
 4. 5.

3.  
 6.

|        | LENGTH m | WIDTH m | M2   | %   | THICK cm | PEN cm | OIL TYPE                |
|--------|----------|---------|------|-----|----------|--------|-------------------------|
| SITE 1 | 110      | 27      | 2970 | .60 | 27.5     | 225.5  | MS, HOR, DP, ST, CT, CV |
| SITE 2 |          |         |      |     |          |        |                         |
| SITE 3 |          |         |      |     |          |        |                         |
| SITE 4 |          |         |      |     |          |        |                         |
| SITE 5 |          |         |      |     |          |        |                         |

OVERALL OIL IMPACT: H

OIL IN STREAM CHANNEL? N

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? N

SUBSTRATE

|         |    |         |
|---------|----|---------|
| Bedrock | 55 | Granule |
| Boulder |    | Sand 30 |
| Cobble  |    | Silt    |
| Pebble  | 15 | Veget.  |

|         | 7/21/89        | 7/21/89                | 7/24/89                                 | 8/12/89 | 8/22/89 |
|---------|----------------|------------------------|---|---------|---------|
| SPECIES | Sockeye Adults | Coho Fry               | Coho Fry                                | Pinks   | Sockeye |
| COUNT   | ≈ 80           | ≈ 100 in outlet stream | 100 <sup>+</sup> observed in lower lake | ≈ 6000  | ≈ 3000  |

COMMENTS:

This beach received only a few hours of clean up. Thick concentrations of mousse could be found easily after the cleanup operations. Jack Lentfer (CNA Rep.) requested additional work but none occurred.

FISH HABITAT ASSESSMENT FORM

Andersen Beach

<sup>1</sup>REGION: <sup>2</sup>PWS <sup>3</sup>KP, CI <sup>4</sup>~~AKA~~ <sup>5</sup>OBSERVER(S) Doug Hill, Lee Glynn

242-2010

<sup>6</sup>SITE NO. 1-2 <sup>7</sup>AERIAL PHOTO NO. 20, 21 <sup>8</sup>CAT NO. 10200, 2003

<sup>9</sup>STREAM NAME Andersen Beach <sup>10</sup>LAT \_\_\_\_° \_\_\_\_' \_\_\_\_" <sup>11</sup>LONG \_\_\_\_° \_\_\_\_' \_\_\_\_"

<sup>12</sup>DATE 7/21/89 <sup>13</sup>TIME 1200 <sup>14</sup>TIDE: Low slack Flood High slack Ebb

<sup>15</sup>CATALOGED ANADROMOUS STREAM? Y N <sup>16</sup>ANAD. FISH FOUND? Y N

<sup>17</sup>OIL FOUND IN STREAM? Y N <sup>18</sup>OIL FOUND NEAR STREAM (1 MI.)? Y N

<sup>19</sup>OIL SAMPLES TAKEN? Y N <sup>20</sup>ID NOS. LP4/DOH-7/21/89-1200

<sup>21</sup>35 mm PICTURES TAKEN? Y N <sup>22</sup>ROLL NO(S). 89-DOH-7

<sup>23</sup>EXPOSURE NO. <sup>24</sup>DESCRIPTION 89-DOH-12

|          |    |  |
|----------|----|--|
| Roll #7  | 22 | Upstream of outlet stream for entire system - taken from beach                         |
|          | 20 | 40x50 yd heavily oiled boulder bedrock area to SW of stream<br>- Jack Lentfer in photo |
| Roll #12 | 21 | Jack Lentfer scraping up standing mousse with trowel - heavily oiled                   |
|          | 22 | SAME AS photo 21   |
|          | 23 | Moderately oiled boulder top - Complete surface coated w/oil                           |
|          | 24 | Trowel-full of thick brown mousse - found between nearly all rocks                     |
|          | 25 | A random scoop of mousse - brings up 3 limpets - dead                                  |

<sup>25</sup>VIDEO FOOTAGE TAKEN? Y N <sup>26</sup>CASSETTE NO(S) \_\_\_\_\_

<sup>27</sup>DESCRIPTION: \_\_\_\_\_

ACE 104593871A

ACE 7380159

**ANADROMOUS FISH OBSERVATIONS**

|              | PINK | CHUM | RED | KING | COHO   | DOLLY |  |  |
|--------------|------|------|-----|------|--|-------|--|--|
| 28<br>Aerial |      |      | 80  |      |  |       |  |  |
| 29<br>Ground |      |      |     |      | no fry in outlet stream<br>100% observed in lower most lakes |       |  |  |

30 COMMENTS: 7/21/89 - Sockeye observed in NE-most lake of system. Numerous Coho fry observed (16 3" fry). 8/12/89 - 6000 pinks, 3000 sockeye (Aerial)

**OIL OBSERVATIONS**

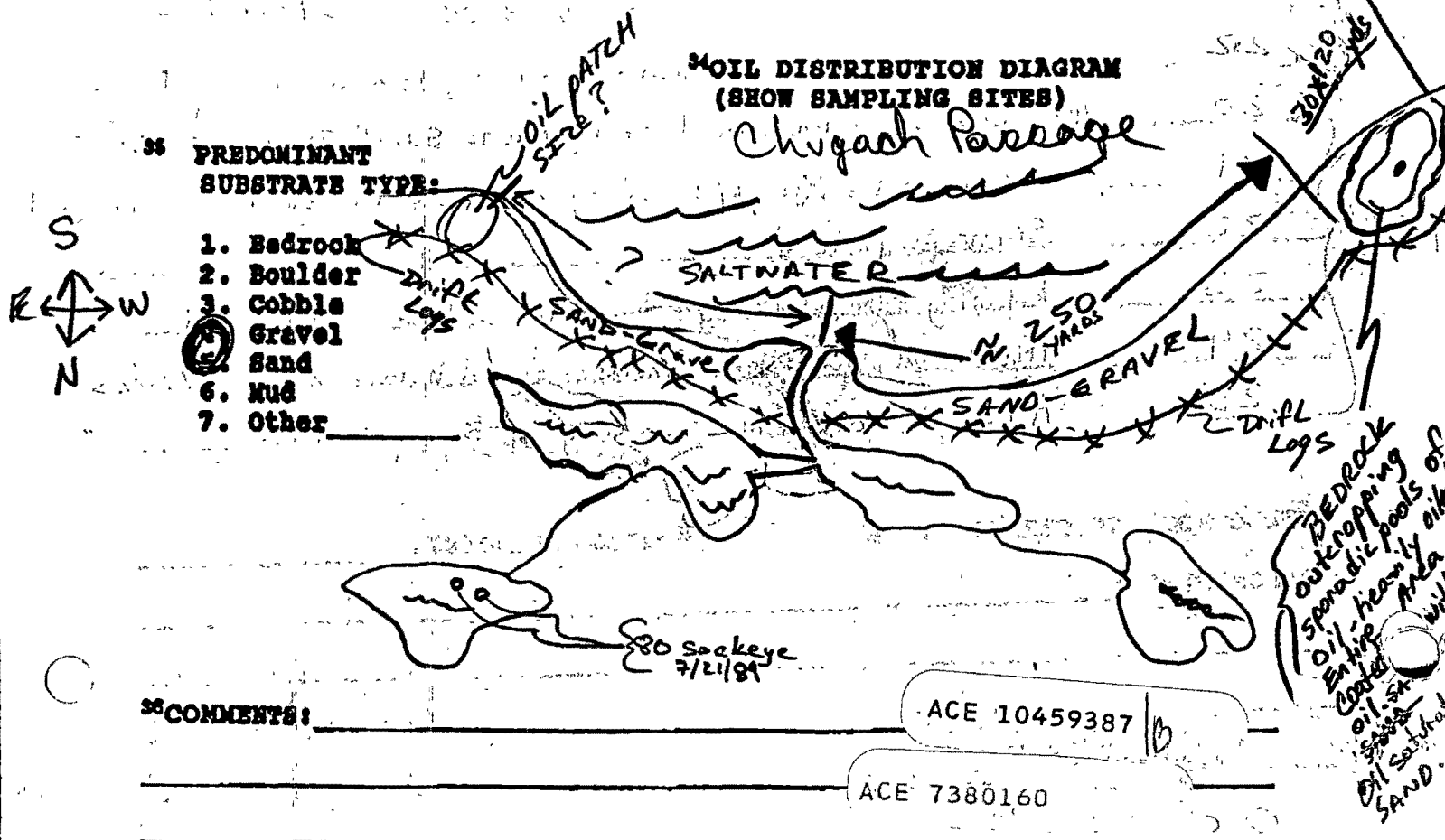
**EXTENT OF OIL:**

|                      | WITHIN STREAM | OUTSIDE STREAM                         |
|----------------------|---------------|--|
| 31 SURFACE COVERAGE  | ∅ observed    | SW of stream - 30x40 ft<br>150 yds ADL |
| 32 SURFACE THICKNESS | ∅             | SW of stream - 1mm to 3 inches         |
| 33 PENETRATION       | ∅             | SW of stream - 1mm - 10 inches         |

35 PREDOMINANT SUBSTRATE TYPE:

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

34 OIL DISTRIBUTION DIAGRAM (SHOW SAMPLING SITES)



36 COMMENTS:

ACE 10459387

ACE 7380160

CHUGACH PASSAGE

0 100  
meters

North

7/21  
1989

CHUGACH PASSAGE

A

B

HOR  
1x4m

TREES

TREES

oil saturated sediment,  
ST. CT. EV.

GRANULE - SAND - BOULDER

SAND-  
PEBBLE-  
COBBLE-  
BOULDER

29, 25

BOULDER Boulder Talus

WAVE CUT

ACE 10459388

AREA of  
Heaviest  
oiling  
(ms, Heavily oil  
saturated  
sediment)

~ 110m

