

ADF&G MULTI-ASSESSMENT FORM
1991 GENERAL ENTRY CHECKLIST

STREAM#: 2323010435
SEGMENT: BM004

DATE PRINTED: 08/19/91

PAGE 45

LOCATION: THUNDER BAY, NORTHWEST

SURVEY TYPE: 89 AHFS - SS

METHOD: FOOT

DATE: 09/03/89

TEAM RECORDER: HILL

START TIME: 1015

OBSERVERS: RANDALL

END TIME: 1120

TIDES: Flood
OG/HAB DISCREPANCIES:

AGENCY: FG

PHOTOS TAKEN: Y

STATION: 2323010435

ROLL#: 89DDH034H

FRAME: 02-24

VIDEO TAKEN: Y

TAPE#: 89RDR001H

START: 2338

END: 2565

SAMPLES TAKEN: Y

SAMPLE NUMBERS: 89RR034H

OIL IN STREAM BED: N

OVERALL OIL IMPACT: VL

OIL ON BEACH BY MOUTH: Y

WAVE EXPOSURE: HIGH

SHORELINE TYPE: BEACH

SUBSTRATE TYPE: BEDROCK

BOULDER

COBBLE 100

VEGETAT

GRAVEL

SAND

MUD/SILT

GRANULE

ANADROMOUS FISH PRESENT: Y

SPECIES: PINK SALMON

COUNT:

200

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST

PAGE 58

DATE PRINTED: 08/19/91

STREAM# : 2323010435
SEGMENT#: BM004

SURVEY TYPE : 89 AHFS - SS
DATE: 09/03/89
TIMES: 1015 - 1120

LOCATION: THUNDER BAY, NORTHWEST
TEAM RECORDER: HILL

-- OILING EXTENT --

SITE#	SITE TYPE	DEPTH (cm)	LENGTH (m)	WIDTH (m)	AREA (m)	%	THICK (cm)	PEN (cm)	OIL TYPE CODES
1 1									MS, CT

COMMENTS:

SITE 13-1. OBSERVED ONE 2" X 3" SPLATTER OF OIL, ONE OILED LOG SPLATTERED WITH 4" X 4" X 3-5MM THICK OIL, AND ONE PIECE OF OILED PLASTIC. FOUND AND RETRIEVED ONE OILED SORBENT BOOM. STREAM FLOW INTERMITTENT WHERE CUTS THROUGH BEACH BERM. PINKS TRAPPED (LIVE AND DEAD) IN PORTIONS OF FLOW WHICH ARE ON BEACH SURFACE (NO SPAWNING SUBSTRATE, ONLY COBBLE). SMALL POND WITH CRYSTAL CLEAR WATER ABOVE BERM.

*i.e., the flow runs surface and subsurface inter-
mittently.*

1 dead immature kittiwake found

DDH
8/29/91
Revise comments

: Observed ~~nothing~~ ~~one 2" x 3" splatter of oil, one oiled log splattered with 4" x 4" x 3-mm thick oil, and one piece of oiled plastic.~~ Found and retrieved one oiled sorbent boom. Stream ^{flow} intermittent ~~where~~ where cuts through beach berm --- pinks trapped (live & dead) in portions of flow which are on beach surface (NO spawning substrate: only cobbles). Small pond with crystal clear water above berm

FISH HABITAT ASSESSMENT FORM

Thunder Bay - NW portion

1 REGION: 2 PWS KP, CI ~~XXXX~~ 3 OBSERVER(S) Doug Hill, Rick RANDALL

6 SITE NO. 13-1 7 AERIAL PHOTO NO. ^{Roll #034} 22,23,24,25 8 CAT NO. NC

9 STREAM NAME _____ 10 LAT ^{Roll #035} 59° 34' 42" 11 LONG 150° 12' 60"

12 DATE 9/3/89 13 TIME 1015 14 TIDE: Low slack Flood High slack Ebb

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

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

19 OIL SAMPLES TAKEN? N Y 20 ID NOS. RDR/DDH-9/3/89-1046

21 35 mm PICTURES TAKEN? N Y 22 ROLL NO(S) 89-DDH-034

23 EXPOSURE NO.	24 DESCRIPTION
<u>12,5</u>	<u>Downstream looking view - surface flow</u>
<u>8</u>	<u>Outlet of Lake</u>
<u>13,14,15</u>	<u>Oiled Absorbent boom - washed ashore from elsewhere</u>
<u>17</u>	<u>Oiled plastic - washed ashore</u>
<u>18</u>	<u>oiled log on beach</u>
<u>19</u>	<u>Sample #: <u>9/3/89 RDR/DDH-9/3/89-1046</u></u>
<u>20,21</u>	<u>Loading oiled boom into helo for disposal</u>

25 VIDEO FOOTAGE TAKEN? N Y 26 CASSETTE NO(S) RDR 89-RDR-001-H Video

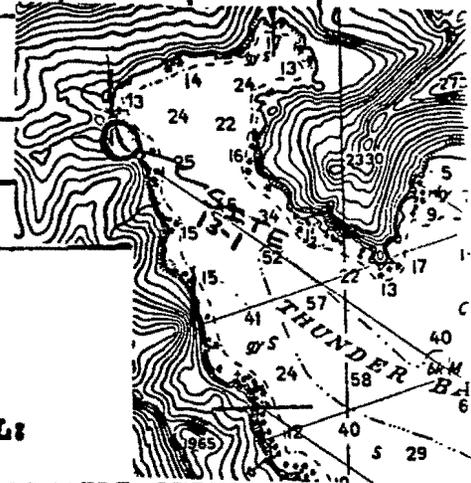
27 DESCRIPTION: Aerials of this Salmon system, Footage of beach & lake and creek. Salmon in isolated pools, sorbent boom on beach, Sample RDR/DDH-9/3/89-1046. Oiled log (2335-2562)

ANADROMOUS FISH OBSERVATIONS

	PINK	CHUM	RED	KING	COHO	DOLLY
28 Aerial	200					
29 Ground	200					

30 COMMENTS:

No Males observed



OIL OBSERVATIONS

EXTENT OF OIL:

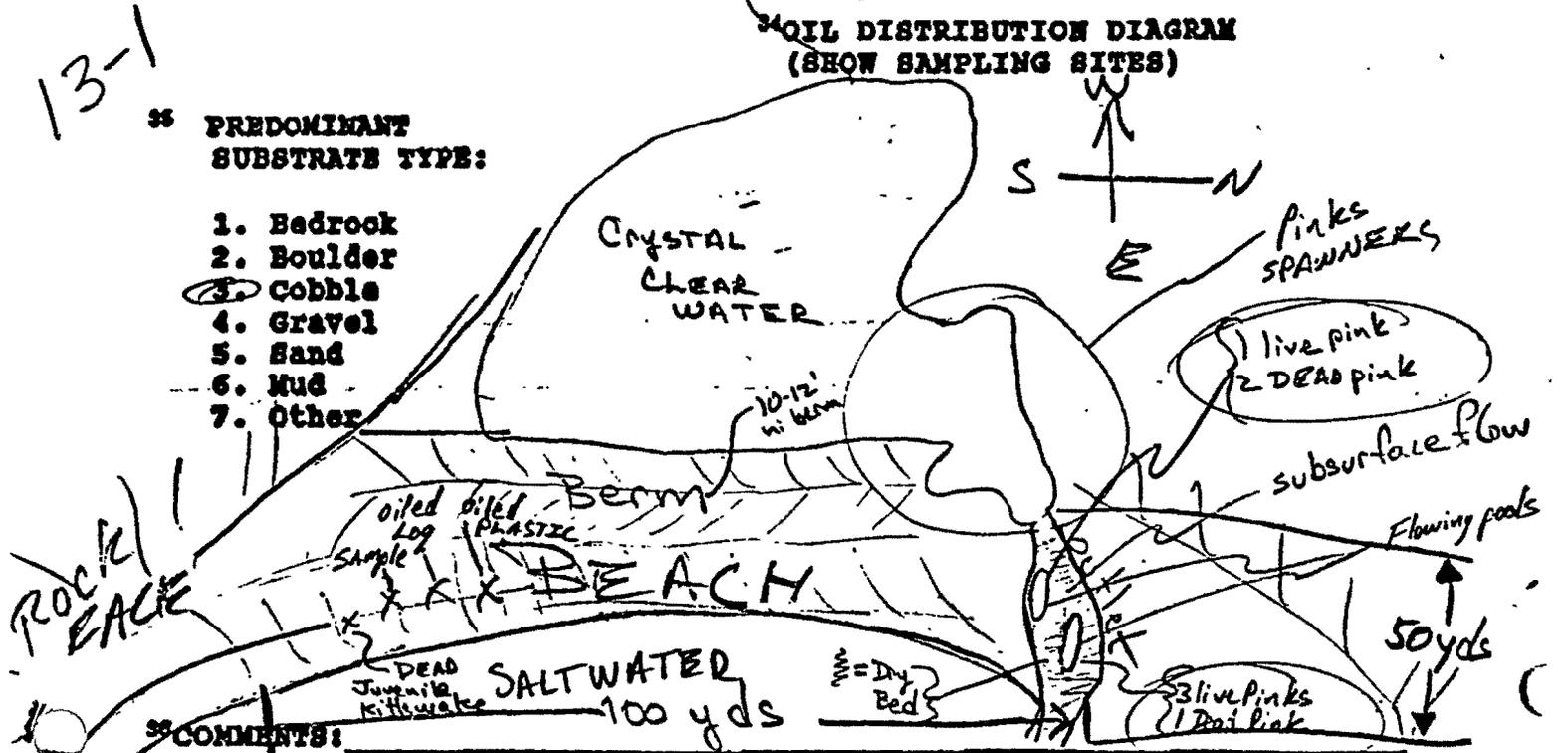
	WITHIN STREAM	OUTSIDE STREAM
31 SURFACE COVERAGE	1	2'x3" splatter of oil sample
32 SURFACE THICKNESS	None Observed	SEE Comments BELOW
33 PENETRATION	1	∅

Site 13-1

OIL DISTRIBUTION DIAGRAM (SHOW SAMPLING SITES)

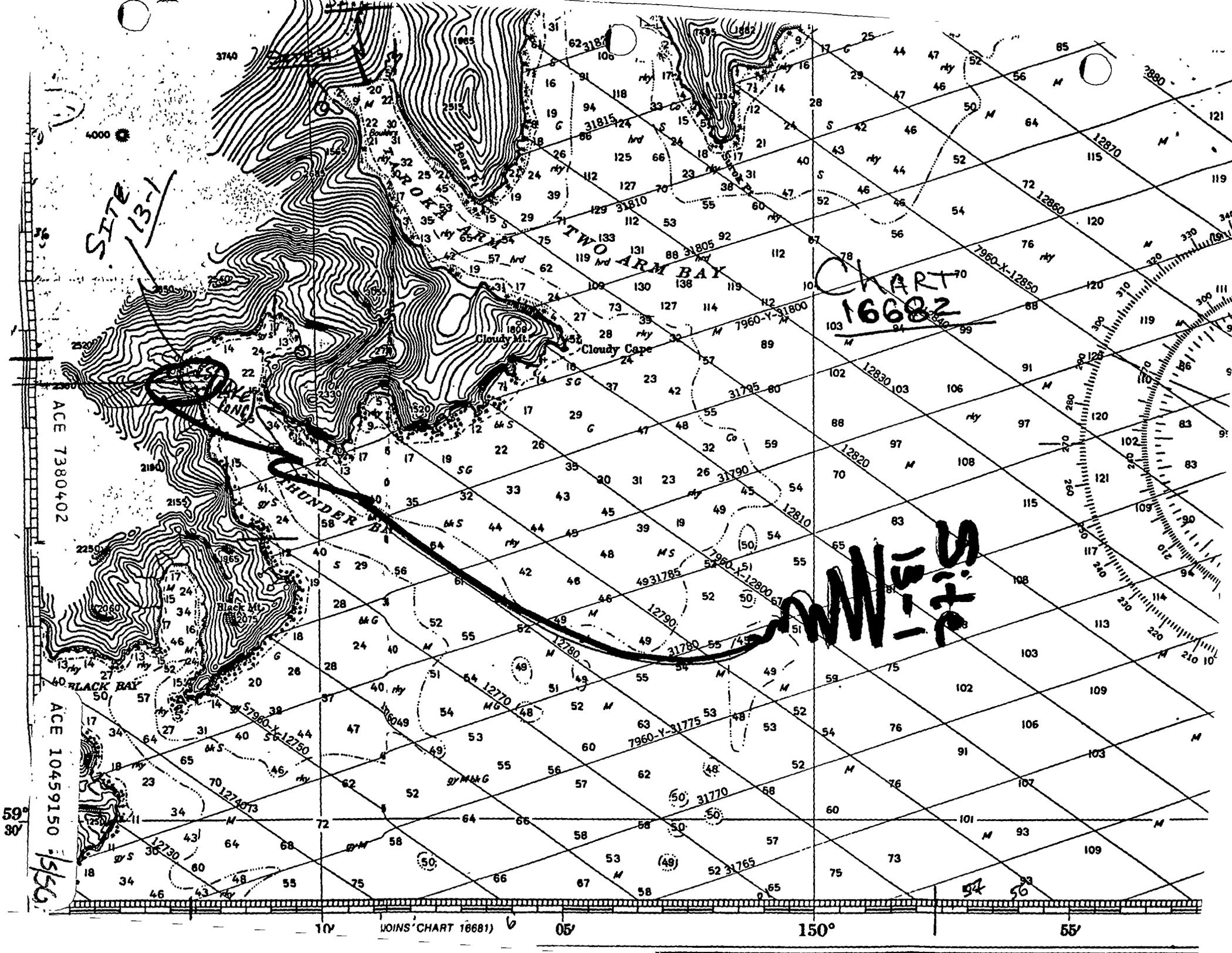
34 PREDOMINANT SUBSTRATE TYPE:

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



35 COMMENTS:

1 piece of lightly oiled plastic (3"x5"), 1 oiled log sporadic 4"x4" splatters of 3-5 mm thick oil,



1989-AFHS

Site 13-1

Thunder Bay-NW

ASC NUMBER: 232-30-10435 SEGMENT NUMBER: BM-4 YR CATALOGED:

LOCATION: Thunder Bay, NW Portion

MAP NAME:

USGS QUADRANGLE: Seldovia C-1 LOCAL STREAM #:

SHORELINE TYPE: Beach ALL SEGMENTS:

WAVE EXPOSURE: High

LATITUDE: 59 34 26

LONGITUDE: 150 12 36

LEGAL: S 7S 6W13

ASC NUMBER:

SURVEY TYPE: SS

METHOD: FOOT

DATE: 9/13/89

START TIME: 1015

STOP TIME: 1125

TEAM RECORDER: Doug Hill

OBSERVERS: Rick Randall

AGENCY(IES): ADFG

PHOTOS TAKEN? y

Roll #: 89 Frames: 1 → 24

VIDEO TAKEN? y Tape Number: 89RDR01-H-V

Counter Start: 2338-2565

DDH
10/9/91

SAMPLES TAKEN? y

SAMPLE I.D. NUMBERS: 1. RDR/DDH-9/3/89-1046 2. 3. 4. 5. 6.

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1							M5, CT
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? y

SUBSTRATE

Bedrock	Granule
Boulder	Sand
Cobble 100	silt
Pebble	Veget.

SPECIES				
	Pinks			
COUNT	200			

COMMENTS: Observed ~~nothing~~ one 2" x 3" splatter of oil, one oiled log splattered with 4" x 4" x 3-5mm thick oil, and one piece of oiled plastic. Found and retrieved one oiled sorbent boom. Stream ^{flow} intermittent where cuts through beach berm --- pinks trapped (live & dead) in portions of flow which are on beach surface (no spawning substrate - only cobbles). Small pond with crystal clear water above berm.

Site 13-1

ASC NUMBER: 232-30-10435 SEGMENT NUMBER: BM-4 YR CATALOGED:

LOCATION: Thunder Bay NW LATITUDE: 59 34 26

TAM NAME: LONGITUDE: 150 12 36

TRAIL K-UNIT: LOCAL STREAM #:

USGS QUADRANGLE: Seldovia C-1 LEGAL:

SHORELINE TYPE: Beach ALL SEGMENTS:

WAVE EXPOSURE: ~~mod~~ High

ASC NUMBER: TEAM RECORDER: Doug Hill

SURVEY TYPE: ISS OBSERVERS: Rick Randall

METHOD: Foot AGENCY (IES): AOFAG

DATE: 9/13/89 PHOTOS TAKEN? Roll #: 89DDH34H Frames: 2 → 24

START TIME: 1015 VIDEO TAKEN? Tape Number: 89RDR01H

STOP TIME: 1120 Counter Start: 2338 → 2565

DDH
9/19/89

SAMPLES TAKEN?

SAMPLE I.D. NUMBERS: 1. RDR/DDH-9/13/89-10435
4. 5.

	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? y

SUBSTRATE

Bedrock	Granule
Boulder	Sand
Cobble 100	Silt
Pebble	Veget.

SPECIES	Pinks				
COUNT	200				

COMMENTS:

- one small patch of oil found (1" x 2")
- oiled Sorbent boom found (2'15" long) → Blue spaghetti like Sorbent material
- 1 dead immature kittiwake found
- 1 piece of plastic w/ crude oil on it
- oiled log observed

Lake outlet runs subsurface except for two small pools on beach which hold both live & dead fish - the live fish will have to wait til high tide to join others in lake

The beach is strictly cobble.

FISH HABITAT ASSESSMENT FORM

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21 35 mm PICTURES TAKEN? N 22 ROLL NO(S) 89-DDH-D34

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<u>8</u>	<u>Outlet of Lake</u>
<u>13, 14, 15</u>	<u>Oiled Absorbent boom - washed ashore - from elsewhere</u>
<u>17</u>	<u>Oiled plastic - washed ashore</u>
<u>18</u>	<u>Oiled log on beach</u>
<u>19</u>	<u>Sample #: 9/3/89 RDR/DDH-9/3/89-1046</u>
<u>20, 21</u>	<u>Loading oiled boom into helo for disposal</u>

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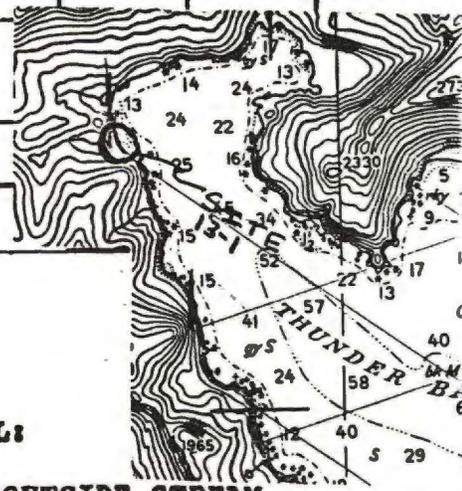
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29 Ground	200					

30 COMMENTS:

No Males observed



OIL OBSERVATIONS

EXTENT OF OIL:

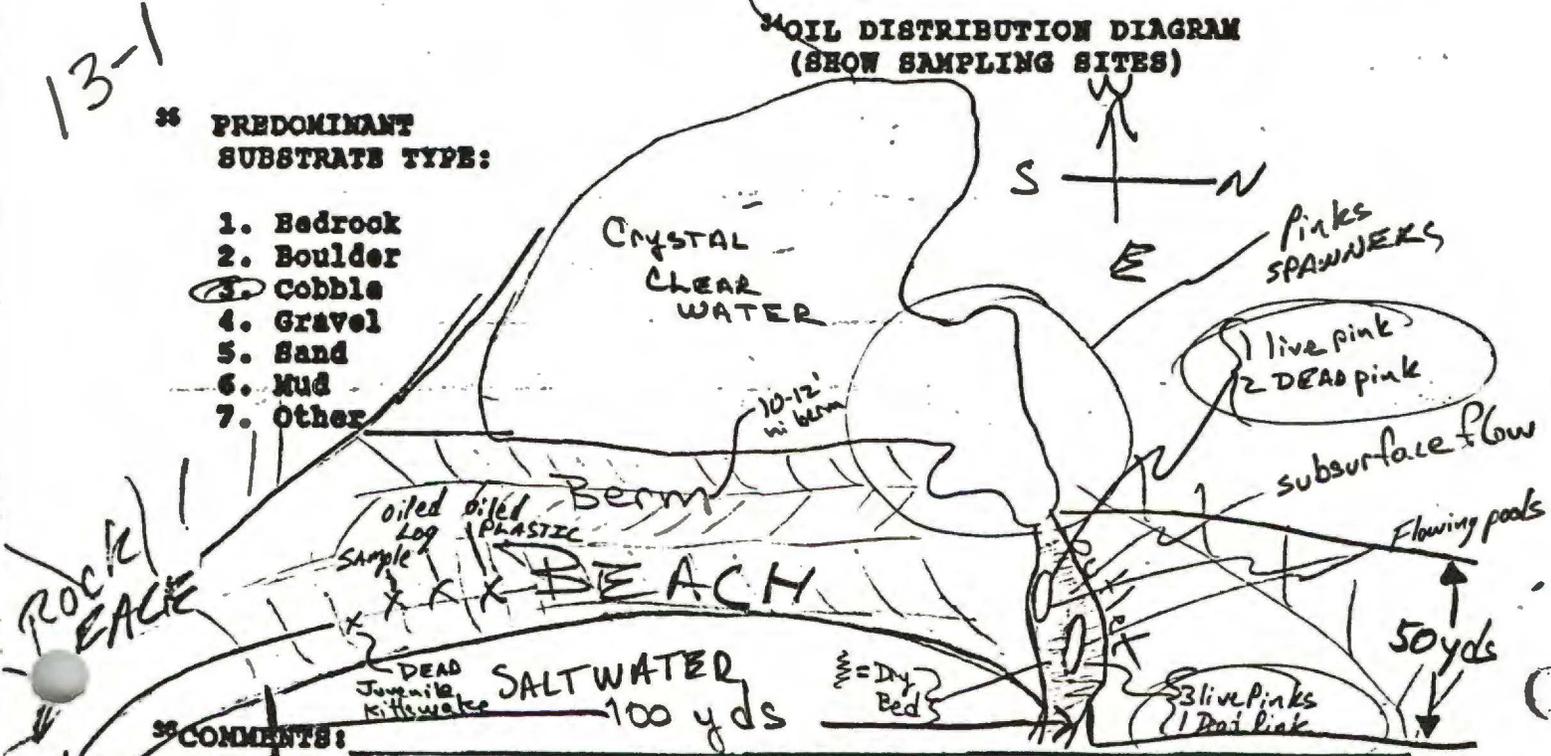
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31 SURFACE COVERAGE	1	2'x3" splatter of oil - sample
32 SURFACE THICKNESS	None Observed	SEE COMMENTS BELOW
33 PENETRATION	1	∅

Site 13-1

34 OIL DISTRIBUTION DIAGRAM (SHOW SAMPLING SITES)

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CHART
16682

SITR
13-1

ACE 7380402

ACE 10459155-LS/PH

JOINS CHART 16681

56

150°

10

59° 30'