

ORIGINAL  
TYPE A SHORELINE CLEANUP WORK ORDER

Date 8/02/89

Shoreline Segment K9-14-SK-100, SK-101

Location (see map)

Swikshak Lagoon

ADEC No. K9-14

Shoreline assessment date 7/20/89

Recommended cleanup activities

Manual removal of oiled debris (popweed, sticks). Minimize removal of oiled cobbles & pebbles. Removal of oiled portions of driftwood. Remove heavily oiled portion of logs. Manual removal of mousse patties.

Priority considerations

SK-100 Class 5-A Segment located within Katmai National Monument. Segment heavily used by bears and contains salmon streams. Seabird nesting colony on nearby Kiukpalik Island. Boat access may be restricted at north and by extensive shallow intertidal area. SK-101 Class 5-A Segment located within Katmai National Monument. Island is used as a seabird nesting colony and pinniped handout area. Boat access may be restricted to calm days.

Ecological constraints

SK-100 Avoid heavy foot traffic on grassy beach ridge. Avoid oil contamination of streams.  
SK-101 Avoid grassy slopes due to nesting sites. Avoid oil contamination and heavy foot traffic in low intertidal zone.

Archaeological constraints (from site survey)

SK-101 No access to forest/upland zone by beach crews during cleanup.

If any archaeological or historical sites or artifacts are discovered during the clean up activity, they must remain undisturbed and the Exxon archaeologist Jim Haggarty contacted (486-5680). (take action prescribed in the "Guideline for Shoreline Cleanup" dated 4/21/89 as ammended).

Submitted by: Ray L. Lamm  
Exxon

Date 8/5/89

Approved: A. J. Smith

Federal On-Scene Coordinator

Date 5 Oct 89

41F/51HF  
ACE 1951071

ORIGINAL

## TYPE A SHORELINE CLEANUP WORK ORDER

RECEIVED  
8/3/89

Date 8/02/89

Shoreline Segment K9-14-SK-100, SK-101

## Location (see map)

Swikshak Lagoon

ADEC No. K9-14

Shoreline assessment date 7/20/89

## Recommended Cleanup Activities

Manual removal of oiled debris (popweed, sticks). Minimize removal of oiled cobbles & pebbles. Removal of oiled portions of driftwood. Remove heavily oiled portion of logs. Manual removal of mousse patties.

## Priority Considerations

SK-100 Class 5-A Segment located within Katmai National Monument. Segment heavily used by bears and contains salmon streams. Seabird nesting colony on nearby Kiukpalik Island. Boat access may be restricted at north and by extensive shallow intertidal area. SK-101 Class 5-A Segment located within Katmai National Monument. Island is used as a seabird nesting colony and pinniped handout area. Boat access may be restricted to calm days.

## Ecological Constraints

SK-100 Avoid heavy foot traffic on grassy beach ridge. Avoid oil contamination of streams.  
SK-101 Avoid grassy slopes due to nesting sites. Avoid oil contamination and heavy foot traffic in low intertidal zone.

## Archaeological Constraints (from site survey)

If any archaeological or historical sites or artifacts are discovered during the clean up activity, they must remain undisturbed and the Exxon archaeologist Jim Haggarty contacted (486-5680) (take action prescribed in the "Guideline for Shoreline Cleanup" dated 4/21/89 as ammended ).

Submitted by:

Exxon

Date

8/2/89

Approved:

Federal On-Scene Coordinator Representative

Date

ACE 1951072

(version 6/04/89)

SHORELINE PRE-CLEANUP ASSESSMENT BLOCK REPORT

Block (see enclosed map): K9-14

Includes Shoreline Segments: SK-100, SK-101

Location: Swikshak Lagoon

Submitted: \_\_\_\_\_ Date: \_\_\_\_\_  
(for Exxon)

FOSC Approval: \_\_\_\_\_ Date: \_\_\_\_\_

The cleanup procedures identified in the Shoreline Cleanup Program are recommended. Exxon and other field personnel are encouraged to suggest innovations and productivity enhancements to the OSC's on-scene representative. Requirements for safety and the protection of cultural material must be observed.

CC: KISCC

ACE 1951073

(version 5/02/89)

SHORELINE CLEANUP PROGRAM

DATE 7/27/89

SHORELINE SEGMENT K9-14-SK-100

LOCATION: (see enclosed map) North of Swikshak Lagoon

Alaska Peninsula, Kodiak

ADEC NO. \_\_\_\_\_ SHORELINE ASSESSMENT DATE: 7/20/89

Recommended Cleanup Activity(ies):

- Manual removal (rakes and shovels) of oiled debris (popweed, sticks).
- Manual removal of oiled cobbles and pebbles on beach surface only.
- Removal of oiled portions of driftwood.

Priorities/Considerations: Class 5-A

- Segment located within Katmai National Monument.
- Segment heavily used by bears and contains salmon streams.
- Seabird nesting colony on nearby Kiukpalik Island.
- Boat access may be restricted at north and by extensive shallow intertidal area.

Ecological Constraints (from site survey):

- Avoid heavy foot traffic on grassy beach ridge.
- Avoid oil contamination of streams.

Archaeological Constraints (from site survey):

- If heretofore undiscovered cultural materials are uncovered during cleanup, contact Exxon's Archaeological Field Director and take actions prescribed in the Operational Guidelines for Shoreline Cleanup dated 4/21/89 as amended.

J. David M. Mahan  
State Historic Preservation Officer \*

Date: 7/27/89

EXXON: \_\_\_\_\_

Date: \_\_\_\_\_

FOSC: \_\_\_\_\_

Date: \_\_\_\_\_

\*Signature required to satisfy stipulations in Alaska DNR land use permits for tide and submerged lands.

ACE 1951074

ersion July 05, 1989)

PRELIMINARY OIL EVALUATION

Date: 07/20/1989 Time: 12:25  
Surveyed From: Foot Boat Helio Plane

Observer: Rick GILLIE  
Weather: Sun/Cloud/Rain/Snow/Fog

Location: BEACH NORTH OF SWIKSHAK LAGOON Segment ID: K09-14-SK-100  
Segment Length: 10,300 m. Access: Vehicle/Boat/Barge/Helio/Float Plane  
Access Restrictions: WIDE, SHALLOW NEAR SHORE ZONE AT NORTHEAST

PRELIMINARY

Preliminary Type: SPI BEA COV HLD STRT Slope: Lo/Med/Hi/Vert  
Wave Exposure: High Med Low  
Sediment: B 5 % / C 40 % / P 30 % / G&S 20 % / M    % / R 5 %

3. Degree of Oiling: HEAVY / MODERATE / LIGHT / VERY LIGHT / NONE OBSERVED  
Area of Impact: SU SP H M L

LOCAL DISTRIBUTION

Continuous % of Segment    SU/SP/H/M/L H/M/L/VL  
 sporadic % of Segment 10 SU/SP/H/M/L H/M/L/VL

Category	Length(m)	Width(m)	Thickness >1cm:	cm	SU/SP/H/M/L
Very light:	<u>500</u>	<u>  </u>	<u>  </u>	<u>  </u>	SU/SP/H/M/L
Light:	<u>200</u>	<u>1</u>	Penetration/Rework:	<u>5</u>	SU/SP/H/M/L
Moderate:	<u>  </u>	<u>  </u>	Burial Depth:	<u>  </u>	SU/SP/H/M/L
Heavy:	<u>  </u>	<u>  </u>			

Oil Pollution Potential: High/Medium/Low  
Oil Debris Oiled? Y/N Amount: H/M/L/VL SU/SP/H/M/L Type:   

Oiled Logs

LOCAL MORPHOLOGY

Oiled Oil:    % SU/SP/H/M/L  
Free Oil:    % SU/SP/H/M/L  
Emulsified: 30 % H/M/L/VL SU/SP/H/M/L  
Suspended: 30 % H/M/L/VL SU/SP/H/M/L  
Cakes/Balls: 30 % SU/SP/H/M/L

Preliminary Cleanup Est.

Total TYPE A: 500 m  
Total TYPE B: 200 m  
Total TYPE A/B: 700 m

WEATHERING

Wash:    % SU/SP/H/M/L  
Mousse:    % SU/SP/H/M/L  
Adhered Mousse: 70 % SU/SP/H/M/L  
Phalt Mousse: 30 % SU/SP/H/M/L  
R:    % SU/SP/H/M/L

REMARKS

Light oil in pocket beach #1.  
Very light for 200-300 M north of Pocket Beach.  
Oiled logs (rare) north to river mouth.

DOCUMENTATION:Map/Aerial photo marking segment boundaries K09-14-SK-100

VTR: Y/N Tape Number(s) \_\_\_\_\_

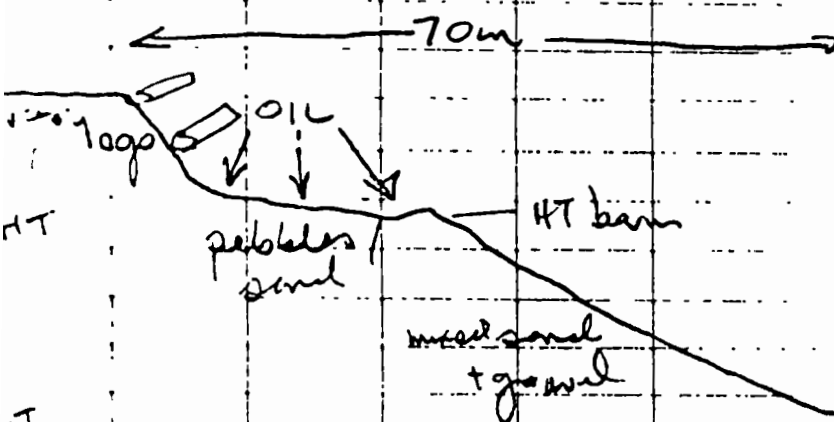
Photography: Y/N Roll Number(s) RG-2Sample Numbers Collected: N/A

July 20/89

# SEGMENT KO9-14-SK-100

≈ 12:25

70m wide beach, 200m long



OIL:

- discontinuous light oil band (1m)
- oiled pebbles
- pebble size < 2cm, 5-10 max
- weathered mouse
- some debris (sticks + seaweed)

ACE 1951077

track - Litter

- bag oiled pebbles ✓
- bag debris ✓
- thin cover of oil over sand ✓

## Site #2

- long beach to north
- south end
- oiled driftwood logs (light)
- oiled timber
- cut + remove
- Bear Tracks!!
- oil to 200-300m of south end
- less oil to north - V. light
- except for oiled logs
- ≈ 1/2000
- Lots of bear tracks (3-4)

ACE 1951078

3:00 Back in boat 100m off beach

- Rare oiled log

3:30 apparent burial - checked 3 times

3:47 Ashore at river mouth

- No oil observed (1. Light debris)

- Cut bank

- Smell of something dead

3:57 Back in boat

Land north of reach - no oil

- Cobble / pebble beach

4:00 North to wide (300m) 172

Could not land - surf 2-3' and 50m off the beach

→ Back at the boat

May be oil at river mouth

Shore with helicopter

Note: This portion surveyed by Duncan Fitzgerald on July 21 / No oil found.

11  
- Bear walking to north along south and of beach or were just on!

hike will be

Ty. L. Dilliplane

15:00 Helicopter arrives with Ty? Archaeologist, Harry. No radar technician

- Could not use helicopter - they said they did not have enough fuel to do anything?

- Helicopter left with Rick Knecht + Harry

- Latest instructions

N.B.

K09-14	✓ + Island
K09-19	- Island only
K20	
21	
22	
23	

Seal Bay (19) and Part of (18)

ACE 1951079

ACE 1951080



## ECOLOGICAL EVALUATION

LOCATION: Swikshak Area SITE: Beach North of Lagoon OBSERVER: J. Tarpley  
 LOCATION PREFIX: K9/SK SEG. NO.: K9-14-SK-100 LENGTH: 10,300 (M)  
 DATE: 7/20/89 TIME (HHMM): 1230-1400 TIDE HT.: -0.25 → +2.0 m (M)

OILED ZONE: Splash High Medium Low

SUBSTRATUM: Rocks Boulder Cobble Gravel Sand Mud

## LIVE BIOTA

Fucus (algae): Patchy Y/N Contin. Y/N Dense Y/N Sparse Y/N None Y/N

Enteromorpha patchy and sparse on rocky bedrock points

Mytilus (Mussels): Patchy Y/N Contin. Y/N Dense Y/N Sparse Y/N None Y/N

Balanus (Barnacles): Patchy Y/N Contin. Y/N Dense Y/N Sparse Y/N None Y/N

Only on rocky points.

Littorina

Patchy Y/N Contin. Y/N Dense Y/N Sparse Y/N None Y/N

Only on rocky points

Limpets: Patchy Y/N Contin. Y/N Dense Y/N Sparse Y/N None Y/N

Only on rocky points.

OTHER OBSERVATIONS: This is a very high energy beach with virtually no living biota. Living biota only exists on rocky outcrops at the end of the beach.

CLEANUP PRECAUTIONS: Many bears in this segment. Stay out of grassy beach ridge area and avoid oil contamination of streams.

MAMMALS: Otters 12-18 Harbor Seals      Sea Lions      Whales       
 Other 1 bear on beach, many tracks; Fox tracks

BIRDS: Ravens, 3 Bald Eagles, Kittiwakes, Gulls, Scoters, Herring Gulls, Murrelets, Pigeon Guillemots

GENERAL OBSERVATIONS: Sea Otters 1/2 mile offshore. At least 3 mother/pup pairs.

High energy beach with light to v. light oil splatter at south end of beach.

CULTURAL RESOURCE EVALUATION

Date 7/20/89 Location SWIKSHAK, AK PEN site N of SWIKSHAK Lagoon

Location Prefix K09-14 Segment # SK-100 Length 10,300 M

Survey Method:

Air \_\_\_\_\_ (A - indicate on map) Boat X (A - indicate on map)

Ground X (G - indicate on map)

Known cultural resources (AHRS #) NONE Data Source AHRS FILE

Oil conditions/beach visibility VERY LIGHTLY OILED

Width of beach zone surveyed \_\_\_\_\_ m Tree fringe surveyed 10 M

Cultural resources observed in beach zone (AHRS code) NONE OBSERVED

Cultural resources observed in tree fringe (AHRS code) NONE OBSERVED

General observations justifying survey method and segment's site probability:

Shore Profile BROAD SAND BEACH WITH TERRACE + RIGID UPLANDS

Fresh Water Sources SMALL STREAMS

Sea Exposure HIGH ENERGY, DIRECTLY EXPOSED

Access/Safety ACCESSIBLE BY SMALL BOAT OR CHOPPER - 2AD SVRT FREQUENT

Probability of undiscovered sites in beach zone (circle one) 1 2 3 4 5

Monitoring during cleanup needed yes/no Collection yes/no

Photos: Color Roll #            Frames           

B/W Roll #            Frames           

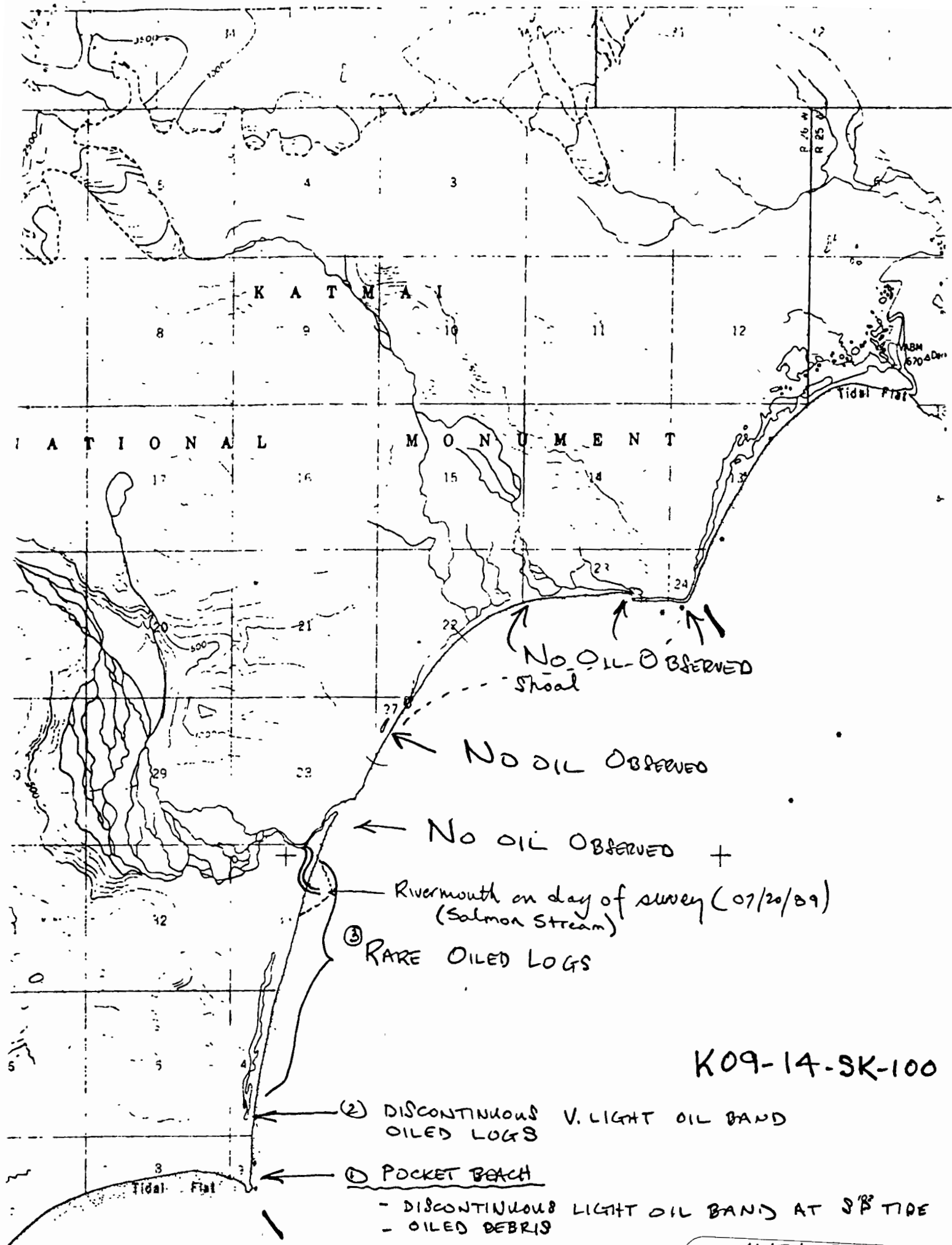
Observer(s) RICK KNECHT

Time survey started 12:31 PM Time survey ended 3:00 PM

Cultural resource considerations/restraints:

NO CULTURAL RESOURCES WERE OBSERVED - ANY DISCOVERED BY CREWS

SHOULD BE IMMEDIATELY REPORTED TO THE EXXON ARCHAEOLOGICAL SUPERVISORS.



K09-14-SK-100

(2) DISCONTINUOUS V. LIGHT OIL BAND  
OILED LOGS

(1) POCKET BEACH

- DISCONTINUOUS LIGHT OIL BANDS AT SP TIDE  
- OILED DEBRIS

ACE 1951083