

90 Post Treatment

ASC NUMBER: SEGMENT NUMBER: YR CATALOGED:  
 LOCATION:  
 STREAM NAME: LATITUDE:  
 KODIAK K-UNIT: . LOCAL STREAM #: LONGITUDE:  
 USGS QUADRANGLE: LEGAL:  
 SHORELINE TYPE: Lagoon ALL SEGMENTS:  
 WAVE EXPOSURE: L

ASC NUMBER: 262-10-10010  
 SURVEY TYPE: PC  
 METHOD: F  
 DATE: 07/10/90  
 START TIME: 1120  
 STOP TIME: 1215

TEAM RECORDER: JEFFREY P. BARNHART  
 OBSERVERS: Ken Middleton, Terry Ellsworth, Fred Byars, Walt Janicek  
 L. Raymond, R. Spurr, M. Cocklin  
 AGENCY (IES): ADFeG, ADEC, Exxon, NOAA, USCG

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							
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: VL

OIL IN STREAM CHANNEL? Y

OIL ON BEACH WITHIN 50M OF STREAM MOUTH?

SUBSTRATE	
Bedrock	Granule
Boulder	Sand 15
Cobble	Silt 15
Pebble 40	Veget. 30

SPECIES					
COUNT					

COMMENTS: See Activity/Situation observed section of Field Inspection Report, attached.

# TYPE A SHORELINE CLEANUP WORK ORDER

ORIGINAL  
RECEIVED  
JUN 11 1989

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:

Exxon

Date

Approved:

Federal On-Scene Coordinator

Date

ACE 1951058

ORIGINAL

RECEIVED  
8/3/89

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)**

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 1951059

(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 1951060

(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 McArthur  
State Historic Preservation Officer \*

Date: 7/31/89

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

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

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

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

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

ACE 1951061

# PRELIMINARY OIL EVALUATION

te: 07/20/1989 Time: 12:25  
 rveyed From: Foot/Boat/Helio/Plane

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

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

PRELIMINARY  
 reline Type: SPI/BEA/COV/HLD/STRT Slope: Lo/Med/Hi/Vert  
 ve Exposure: High/Med/Low  
 iment: B 5 / C 40 / P 30 / G&S 20 / M    / R 5

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

## 4 DISTRIBUTION

ntinuous % of Segment    SU/SP/H/M/L H/M/L/VL  
 oradic % of Segment 10 SU/SP/H/M/L H/M/L/VL

cal	Length(m)	Width(m)	Thickness >1cm:	cm	SU/SP/H/M/L
ry light:	<u>500</u>	<u>  </u>	Penetration/Rework:	<u>5</u> cm	SU/SP/H/M/L
ght:	<u>200</u>	<u>1</u>	Burial Depth:	<u>  </u> cm	SU/SP/H/M/L
derate:	<u>  </u>	<u>  </u>			
avy:	<u>  </u>	<u>  </u>			

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

OILED LOGS

## 4 MORPHOLOGY

Oil Type	%	H/M/L/VL	SU/SP/H/M/L
ooled Oil:	<u>  </u>		SU/SP/H/M/L
ree" Oil:	<u>  </u>		SU/SP/H/M/L
attered:	<u>30</u>	H/M/L/ <u>VL</u>	SU/ <u>SP</u> / <u>H</u> /M/L
ated:	<u>30</u>	H/M/L/ <u>VL</u>	SU/ <u>SP</u> / <u>H</u> /M/L
ncakes/Balls:	<u>30</u>		SU/SP/H/M/L

## Preliminary Cleanup Est.

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

## 4 WEATHERING

Material	%	SU/SP/H/M/L
ash:	<u>  </u>	SU/SP/H/M/L
usse:	<u>  </u>	SU/SP/H/M/L
athered Mousse:	<u>70</u>	SU/ <u>SP</u> / <u>H</u> /M/L
phalt Mousse:	<u>30</u>	SU/ <u>SP</u> / <u>H</u> /M/L
r:	<u>  </u>	SU/SP/H/M/L

## 4 COMMENTS

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

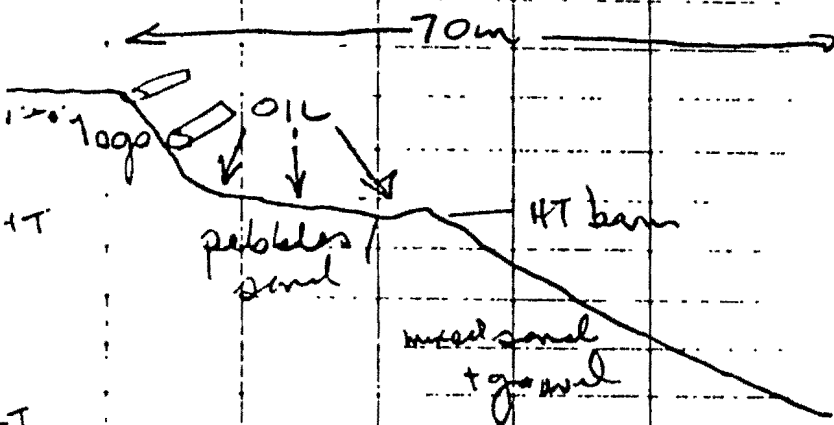
DOCUMENTATION:Map/Aerial photo marking segment boundaries K09-14-SK-100VTR: Y/N Y Tape Number(s) \_\_\_\_\_Photography: Y/N Roll Number(s) RG-2Sample Numbers Collected: N/A

July 20/89

# EGMENT K09-14-SK-100

± 12:25

70m wide beach, 200m long



OIL:

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

ACE 1951064

max. width

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

## Site #2

- long beach to north
- South end
- oiled driftwood logs (light)
- oiled timbers
- cut + remove
- Bear Trench!
- 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)

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10:00 Back in boat 100m off beach

- Rare oiled lug

11:00 approach bird - checked 3 times

11:17 Ashore at river mouth

- No oil observed / 11. Light (sticks)

- Cut bank

- Smell of something dead

12:37 Back in boat

Land north of rock - no oil

- Cobble / pebble beach

1:00 North to wide (300m) ITZ

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

Back at the boat.

Washed oil at river mouth checked with helicopter.

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

hike will be  
- Bear walking to work along south end of beach so were just on!

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)

## ECOLOGICAL EVALUATION

LOCATION: Swikshuk Area SITE: Beach North of Lagoon OBSERVER: J. TarpleyLOCATION 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 LowSUBSTRATUM: Rocks Boulder Cobble Gravel Sand MudLIVE BIOTAFucus (algae): Patchy Y/N Contin. Y/N Dense Y/N Sparse Y/N None Y/NEnteromorpha patchy and sparse on rocky bedrock pointsMytilus (Mussels): Patchy Y/N Contin. Y/N Dense Y/N Sparse Y/N None Y/NBalanus (Barnacles): Patchy Y/N Contin. Y/N Dense Y/N Sparse Y/N None Y/NOnly on rocky points.LittorinaPatchy Y/N Contin. Y/N Dense Y/N Sparse Y/N None Y/NOnly on rocky pointsLimpets: Patchy Y/N Contin. Y/N Dense Y/N Sparse Y/N None Y/NOnly 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 2-18 Harbor Seals      Sea Lions      Whales       
Other 1 bear on beach, many tracks; Fox tracksBIRDS: Ravens, 3 Bald Eagles, Kittiwakes, Gulls, Seabirds, Harlequin Ducks, Murrelets, Loons, Pigeon GuillemotsGENERAL 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 SWICKSHAW, AK PENINS Site N of SWICKSHAW LAKE

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 FILES

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 & RIDGED UPLANDS

Fresh Water Sources SMALL STREAMS

Sea Exposure HIGH ENERGY, DIRECTLY EXPOSED

Access/Safety ACCESSIBLE BY SMALL BOAT OR CHOPPER - BAD SURF 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                     

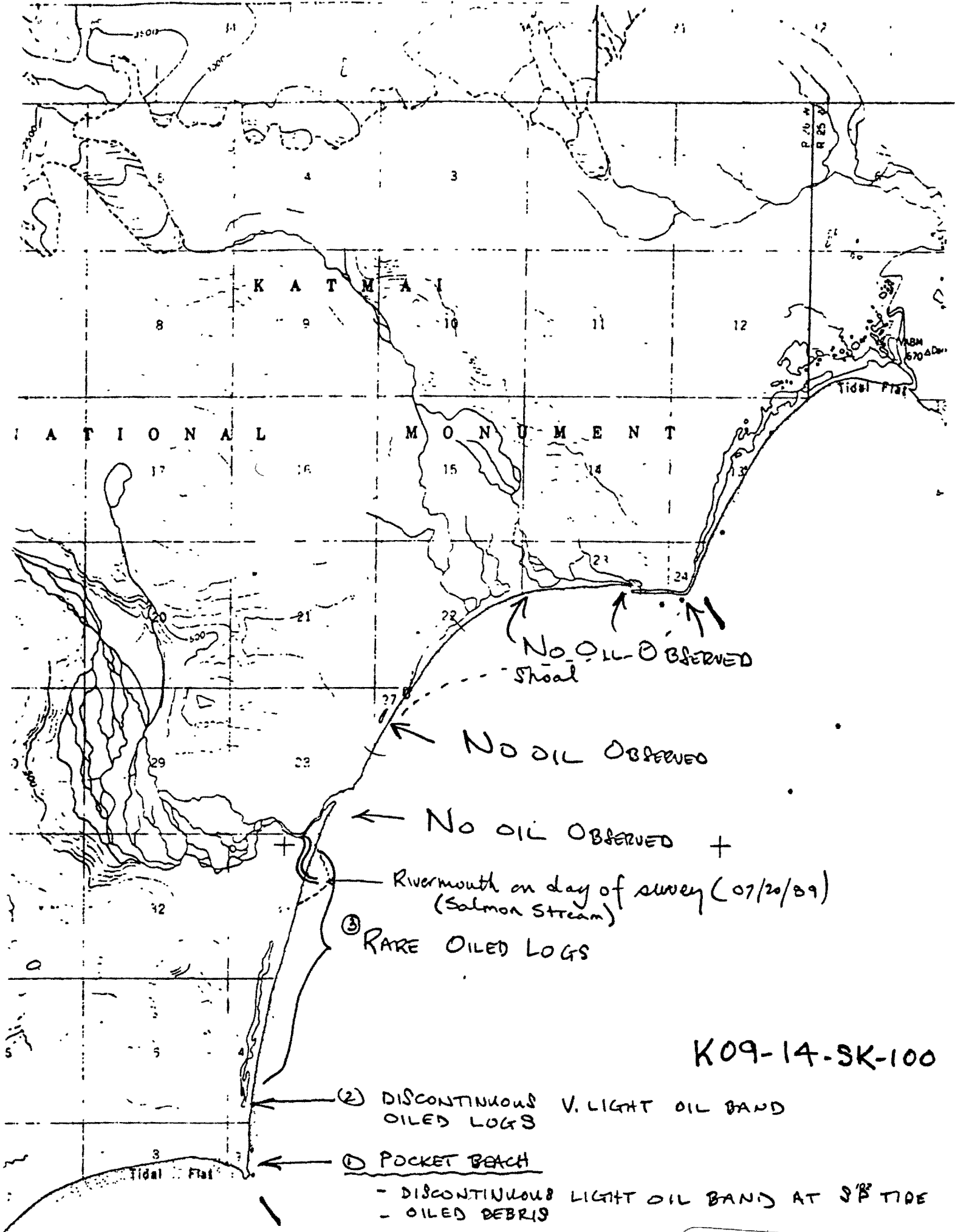
Observer(s) RICK KNECHT

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 EXHON ARCHAEOLOGICAL SUPERVISORS.



K09-14-SK-100

(2) DISCONTINUOUS V. LIGHT OIL BAND  
OILED LOGS

(1) POCKET BEACH

- DISCONTINUOUS LIGHT OIL BAND AT S'B TIDE  
- OILED DEBRIS

-12151/HF  
ACE 1951070