

ADF&G MULTI-ASSESSMENT FORM
1991 GENERAL ENTRY CHECKLIST

STREAM#: 2621510010
SEGMENT: SK001*

PAGE 64

DATE PRINTED: 07/25/91

LOCATION: SWIKSHAK BAY

SURVEY TYPE: 90 PRE SCREEN - SS

METHOD: GROUND

DATE: 04/26/90

TEAM RECORDER: WEISS

START TIME: 1235

OBSERVERS: BARNHART

END TIME: 1335

TIDES: FLOOD

AGENCY: FG

OG/HAB DISCREPANCIES: -

PHOTOS TAKEN: Y

STATION: 2621510010

ROLL#: 90EWW002K

FRAME: 31-33

VIDEO TAKEN: N

TAPE#: -0-

START: -0-

END: -0-

SAMPLES TAKEN: N

SAMPLE NUMBERS: -0-

-0-

-0-

-0-

-0-

-0-

OIL IN STREAM BED: N

OVERALL OIL IMPACT: N

OIL ON BEACH BY MOUTH: N

WAVE EXPOSURE: MOD

SHORELINE TYPE: BEACH

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

GRAVEL 25 SAND 75 MUD/SILT -0- GRANULE -0-

ANADROMOUS FISH PRESENT: -

SPECIES: -0-

COUNT: -0-

-0-

-0-

-0-

-0-

-0-

-0-

-0-

-0-

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST

PAGE 67

DATE PRINTED: 07/26/91

STREAM# : 2621510010
SEGMENT#: SK001*

SURVEY TYPE : 90 PRE SCREEN - SS LOCATION: SWIKSHAK BAY
DATE: 04/26/90
TIMES: 1235 - 1335 TEAM RECORDER: WEISS

-- OILING EXTENT --

SITE#	SITE TYPE	DEPTH (cm)	LENGTH (m)	WIDTH (m)	AREA (m)	%	THICK (cm)	PEN (cm)	OIL TYPE CODES
1	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0- ST

COMMENTS:

SMALL AMOUNT OF ST/S DEBRIS ON BEACH FRONT. RECOMMEND NO ANADSSAT.

ADF&G MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: BS SS TS AVS SCHA MHHS PTA

2 REGION: PWS KP,CI

K APMETHOD: Aerial Ground Boat3 DATE: 4-26-9015 HIGH TIDE TIMES: 121 TEAM RECORDER: E. WEISS4 START TIME: 123516 HIGH TIDE HTS: 122 OBSERVERS: J. BARNHART5 STOP TIME: 133517 LOW TIDE TIMES: 100023 AGENCY: ADF+G

6 SEGMENT #:

18 LOW TIDE HTS: -5.624 PHOTOS TAKEN: Y N

7 STATION #:

19 TIDE HT AT SURVEY:

Roll #: 002-K Frame: 31-33

8 K-UNIT:

Ebb

Slack

Flood

Slack

25 VIDEO TAKEN: Y TAPE#:

9 STAT AREA:

20 USCG QUAD:

Start:

End:

10 LAT:

11 LONG:

26 SAMPLES TAKEN? Y Number

12 SOURCE: Map Loran

Oil

13 LOCATION: SWIKSHAR RIVER, ALASKA PENINSULA

Sediment

14 DESCRIPTION:

Biological

Water

EXTENT OF OIL

27 SURFACE COVERAGE

SHORELINE				STREAM			
L	W	M ²	%	L	W	M ²	%

28 SURFACE THICKNESS

29 PENETRATION

30 OVERALL OIL IMPACT: N VL L M H

31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain

32 OILED DEBRIS? Y N33 SHORELINE TYPE: Headland Low-lying Rocks Beach Cove

Lagoon

Marsh

34 WAVE EXPOSURE: High Moderate Low

35 SUBSTRATE TYPE: Bedrock Boulder Cobble

Gravel 25 Sand 75 Mud/silt36 CATALOGED ANAD. FISH SREAM? Y N37 CATALOG #: 262-15-1001038 STREAM NAME: SWIKSHAR RIVER39 OIL IN STREAM BED? Y X40 OIL ON STREAM BANKS? Y X41 OIL ON BEACH ADJACENT TO MOUTH? Y M
(within 50 meters)42 OIL WITHIN 1 MILE OF STREAM? Y NWhere: NOT surveyed43 ANADROMOUS FISH PRESENT? Y N

44 ANADROMOUS FISH OBSERVATION

Species Aerial Ground

NON	observed	

COMMENTS: SMALL AMOUNT OF ST/S DEBRIS. ON BEACHFRONT.RECOMMEND: NO ANAASSAT Oil off bank

ADF&G MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: BS SS DS TS AVS SCHA MMHS PTA 2 REGION: PWS KP, CI KAP

METHOD: Aerial Ground Boat

3 DATE: 4-26-90 16 HIGH TIDE TIMES: 1 21 TEAM RECORDER: E. WEISS

4 START TIME: 1235 18 HIGH TIDE HTS: 1 22 OBSERVERS: J. BARNHART

5 STOP TIME: 1335 17 LOW TIDE TIMES: 1000 23 AGENCY: ADF+G

6 SEGMENT #: 18 LOW TIDE HTS: -5.6 24 PHOTOS TAKEN: Y N
90EWW

7 STATION #: 19 TIDE HT AT SURVEY: 25 VIDEO TAKEN: Y TAPE#:
Roll #: 002-K Frame: 31-33

8 K-UNIT: Ebb Slack Flood Slack 26 SAMPLES TAKEN? Y Number

9 STAT AREA: 20 USCG QUAD: Start: End:

10 LAT: 11 LONG: 26 OIL 011

12 SOURCE: Map Loran Sediment

13 LOCATION: SWIKSHAR RIVER, ALASKA PENINSULA Biological

14 DESCRIPTION: Water

EXTENT OF OIL

	SHORELINE				STREAM			
	L	W	M ²	%	L	W	M ²	%
27 SURFACE COVERAGE								
28 SURFACE THICKNESS								
29 PENETRATION								

30 OVERALL OIL IMPACT: N VL L M H

31 OIL TYPE: Pooled Mousse 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 25 Sand 75 Mud/silt

36 CATALOGED ANAD. FISH STREAM? Y N

37 CATALOG #: 262-15-10010

38 STREAM NAME: SWIKSHAK RIVER

39 OIL IN STREAM BED? Y X

40 OIL ON STREAM BANKS? Y X

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

42 OIL WITHIN 1 MILE OF STREAM? Y N
Where: NOT SURVEYED

43 ANADROMOUS FISH PRESENT? Y N

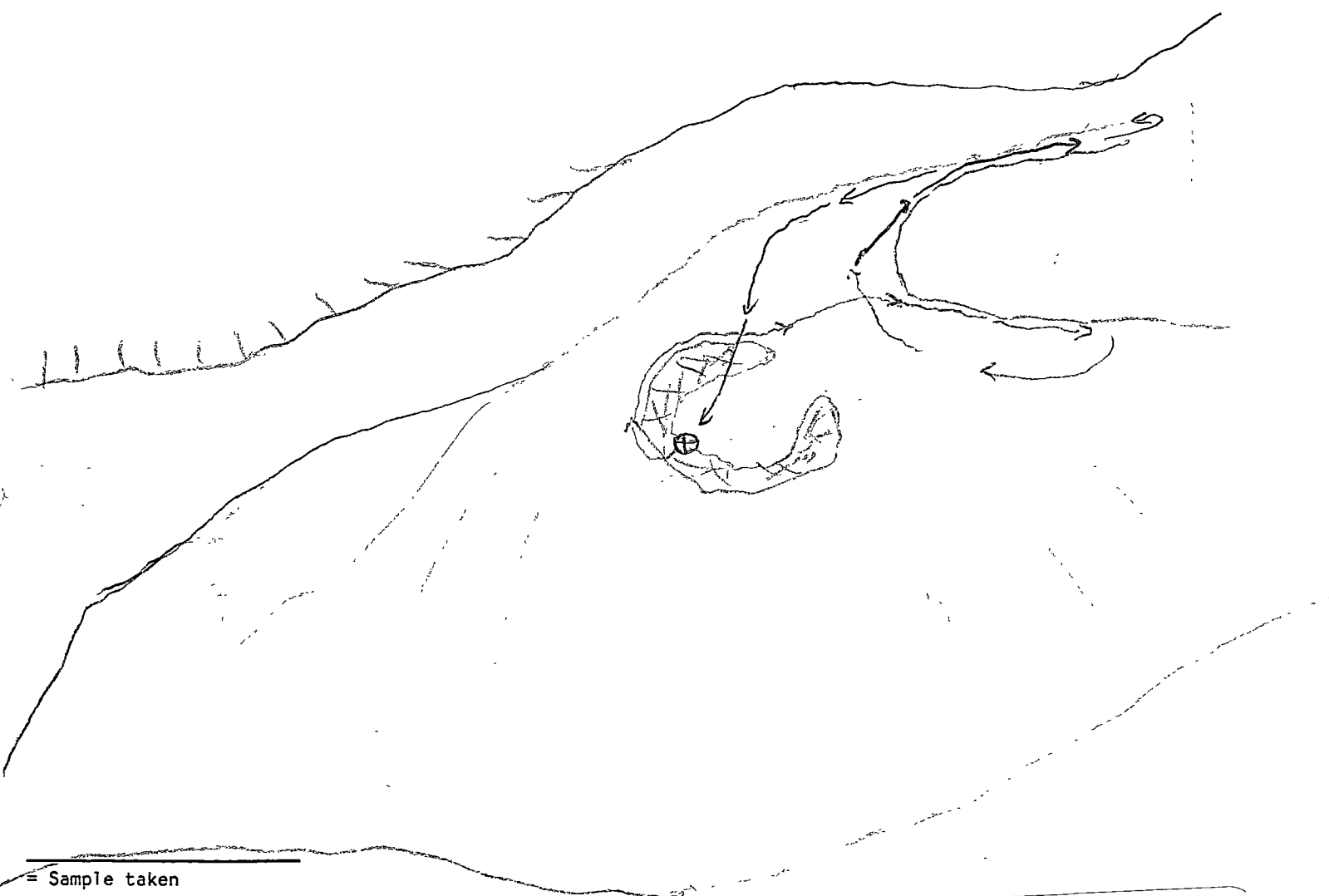
44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground
<u>NON</u>	<u>observed</u>	

COMMENTS: SMALL AMOUNT OF ST/S DEBRIS ON BEACHFRONT.

RECOMMEND: NO ANAASSAT Ed Weir off Barnhart

FRAME(S)	DESCRIPTION
31-33	AERIAL VIEW RIVER MOUTH AREA

46 OIL DISTRIBUTION DIAGRAM

= Sample taken

= Photo frame # and
shot direction.

⊕ HELICOPTER LZ

ACE 1951390

SEGMENT INSPECTION RECORD

COPY

ADEC # K9-15

Shoreline Segment: SK-7 & other subunit areas

Shoreline Treatment Process(es) Completed for this Segment

Yards Signed Off

☐ Hot water wash ☐ Mechanical
☐ Warm water wash ☒ Non-mechanical
☐ Water deluge ☐ Other

Exxon

Treatment as indicated above has been completed. Request demobilization from this segment.

Exxon Comments

Signature *Gayle Cannon*

Date 8/8/89

Time 1200

Printed Name Gayle Cannon

Existing Shoreline Condition As Visually Determined by USCG

Surface Oil

Percent Degree of Oiling
☐ 0 Heavy
☐ 0 Medium
☐ 0 Light
☒ 100 Very Light

100%

Subsurface Oil

☐ Yes ☒ No

Comment Below

☐ Reassessment
☐ Yes - Necessary

☒ No - Not necessary unless re-oiled

Existing Shoreline Condition As Visually Determined by ADEC

Surface Oil

Percent Degree of Oiling
☐ Heavy
☐ Medium
☐ Light
☐ Very Light

100%

Subsurface Oil

☐ Yes ☐ No

Comment Below

☐ Reassessment
☐ Yes - Necessary

☐ No - Not necessary unless re-oiled

ADEC Rep

Comments

No cleanup required.

Signature

Date

Time

Printed Name

FOSC Rep

Demobilization approved/disapproved

Comments

This protocol with USCG, DNR & SSC. ADEC ASSESSMENT TO NOT PROCEED, DATE.

Signature

Date

Time

Printed Name

Copy: Exxon

ADEC

FOSC

ISCC

Return All Signed Originals to Exxon

ACE 1951391+1/5

(version 6/04/89)

SHORELINE PRE-CLEANUP ASSESSMENT BLOCK REPORT

Block (see enclosed map): K9-15

Includes Shoreline Segments: SK-1, SK-2, SK-3, SK-4, SK-5,
SK-6, SK-7

Location: Swikshak Bay

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

Exxon
Copy

(version 5/02/89)

SHORELINE CLEANUP PROGRAM

DATE 7/9/89

SHORELINE SEGMENT K9-15-SK-1

LOCATION: (see enclosed map) South shore of Swikshak

Lagoon. AK peninsula (Kodiak)

ADEC NO. _____ SHORELINE ASSESSMENT DATE: 6/23/89

Recommended Cleanup Activity(ies):

- If necessary, manually remove occasional mousse patty and oiled pebbles or cobbles although natural cleaning should be relatively rapid.

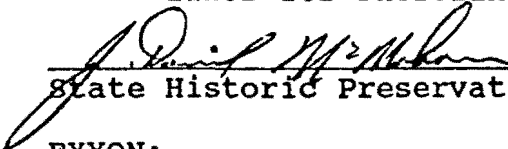
Priorities/Considerations: Class 5-A

Ecological Constraints (from site survey):

- Do not contaminate river with removed oil.
- Avoid traffic in vegetated dunes.
- Work at mid-tide plus or take appropriate measures to protect lower intertidal zone.

Archaeological Constraints (from site survey):

- If cleanup is conducted an Archaeological monitor is required.
- 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.


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 1951393

(version 5/16/89)

SHORELINE OIL EVALUATION FORM - KODIAK

Date: June 23/89 Time: 10:30Observer: Mike MilesSurveyed From: Foot/Boat/Helio/Plane

Weather: Sun/Cloud/Rain/Snow/Fog

LOCATION LEFT
LOCATION BANK OF SWIKSHAK LAGOON SEGMENT I.D. K9-15-SK-1LENGTH OF SHORELINE SEGMENT: 1600 m

ACCESS: Foot/Vehicle/Boat/Barge/Helio/Float Plane

SHORELINE: RIVER/LAGOON
Shoreline Type: SPI/BEA/COV/HLD/STRT

Slope: LANG/HANG/VER

Wave Exposure: High/Med/Low

pebble banks with
sand deposits on river b.Sediment: B % / C 30 % / P 45 % / ~~G~~ % / S 25 % / M % / R %Drift Debris on Beach: (Yes) NoSupra/Upper/Mid/Lower Type grass + weed

OIL

Degree of Oiling: Heavy/Moderate/Light/No Oil/Unobserved

VERY LIGHTTotal Area of Beach Impact: SU / SP / H / M / L

OIL DISTRIBUTION

Continuous: Y N Segment % _____ No. Bands _____ Width _____Sporadic: Y N Segment % 100 Min/Max Dia < 3cm Impact Width 4 to 6mEst. Oil Thickness where > 1cm: 4/1 cm SU / SP / UP / MID / LOEst. Oil Penetration: 0 cm SU / SP / UP / MID / LOLayers? Yes NO No. Layers _____ Oil Weathering _____Drift Debris Oiled? Yes NO Supra/Upper/Mid/Lower Amount: H / M / L / VL

OIL MORPHOLOGY

Pooled Oil 0 % "Free" Oil < 1 % Spattered 100 % H/M/L/VL Sheen 0 %

OIL WEATHERING (OW)

Fresh Oil 0 % SU/SP/VP/MID/LO Choc Mousse 0 % SU/SP/VP/MID/LOPancake Mousse 40 % SU/SP/VP/MID/LO Asphalt Mousse 60 % SU/SP/VP/MID/LOTar Formation 0 %

Comments:

Varies with river discharge in upper part of segment.

SEE ATTACHED COMMENT SHEET

DOCUMENTATION:

Map/Aerial photo marking segment boundaries See attached

VTR: Y/N Tape Number(s) _____

Photography: Y/N Roll Number(s) JT-2

Sample Numbers Collected: K9-15-SK-1 sample 1 → sand, possibly oiled.

JUNE 23/89

MIKE MILES

SWIKSHAK LAGOON

SEGMENT K9-15-SK-1

COMMENTS

SHORELINE OIL EVALUATION

Segment SK-1 consists of the left bank [looking downstream] of lower Swikshak Lagoon/River. The river bed material ^{generally} consists of pebbles and ~~sand~~ cobbles. Localized sand bars and silt/clay veneer do however occur locally. River material consists of marine pebbles and cobbles (fish/split deposits) interbedded with ~~and overlain~~ by eolian sand.

Oil contamination is variable. In some locations 1 or 2 1 to 3 cm 'spots' occur over 50 m long sections of riverbank. In other portions of this segment, 'spot' densities are higher and ^{small spots} can occur almost continuously over bands of 1 to 2 m in width and extending over ~~lengths~~ of 10 to 20 m. ~~Thin~~ ^{intermittent} 10 cm diameter 'pancake mousse' deposits occur ^{intermittently} on the surface of ~~the~~ some sand bars. Densities are typically very low (1-2/m²) and this distribution is ~~generally~~ ^{intermittent} limited to small areas less than 10-20 m² in extent. [Note the dark band along the edge of the channel is lichen ~~not~~ oil]

ACE 1951396

Manual removal of occasional 'pancake mousse' deposits could be undertaken if desired. Manual removal of 'mud' might also be undertaken but river flow ~~can~~ can be

ECOLOGICAL EVALUATION

LOCATION: Swikshuk Lagoon SITE: South shore OBSERVER: J. Tarpley
 LOCATION PREFIX: K9/SK SEG. NO.: K9-15-SK-1 LENGTH: 1600 (M)
 DATE: 6/23/89 TIME (HHMM): 1005 TIDE HT.: -0.4 (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)

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)

Littorina
 Patchy (Y/N) Contin. (Y/N) Dense (Y/N) Sparse (Y/N) None (Y/N)

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

OTHER OBSERVATIONS: Shells on beach, No Mytilus observed. This community continues 0.5 mi up river in approximately the same density.

CLEANUP PRECAUTIONS: Avoid grassy down stream. Do not wash oil into river.

MAMMALS: Otters _____ Harbor Seals _____ Sea Lions _____ Whales _____
 Other Red Fox on beach, Bear & Moose Tracks

BIRDS: Magpies, Kittiwakes fly over, Harlequin Ducks moving up & down river

GENERAL OBSERVATIONS: This is a salmon run river. Heavy siltation (yellow in color). Heavily used by bears. Very light oil splatter on cobble in High T2.

ACE 1951397

(version of 4/29/89)

CULTURAL RESOURCE EVALUATION

Date 6/23/89 Location Swikshak Lagoon site South Shore

Location Prefix K9-15-SK Segment # 1 Length 1600M

Survey Method:

Air _____ (A - indicate on map) Boat _____ (A - indicate on map)

Ground ✓ (G - indicate on map)

Known cultural resources (AHRS #) AFG-044 Data Source AHRS

Oil conditions/beach visibility VERY light splatter

Width of beach zone surveyed 5 m Tree fringe surveyed 10

Cultural resources observed in beach zone (AHRS code) HTI/HTD

Cultural resources observed in tree fringe (AHRS code) HTI/HTD/MDN/FCR/HSP/SHP

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

(Shore Profile gravel to cobble beach below beach ridges covered w/ grass & scrub

Fresh Water Sources NONE

Sea Exposure protected in side Swikshak Lagoon

Access/Safety easily accessible by boat & phone

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 # MRY-8 Frames 11-19

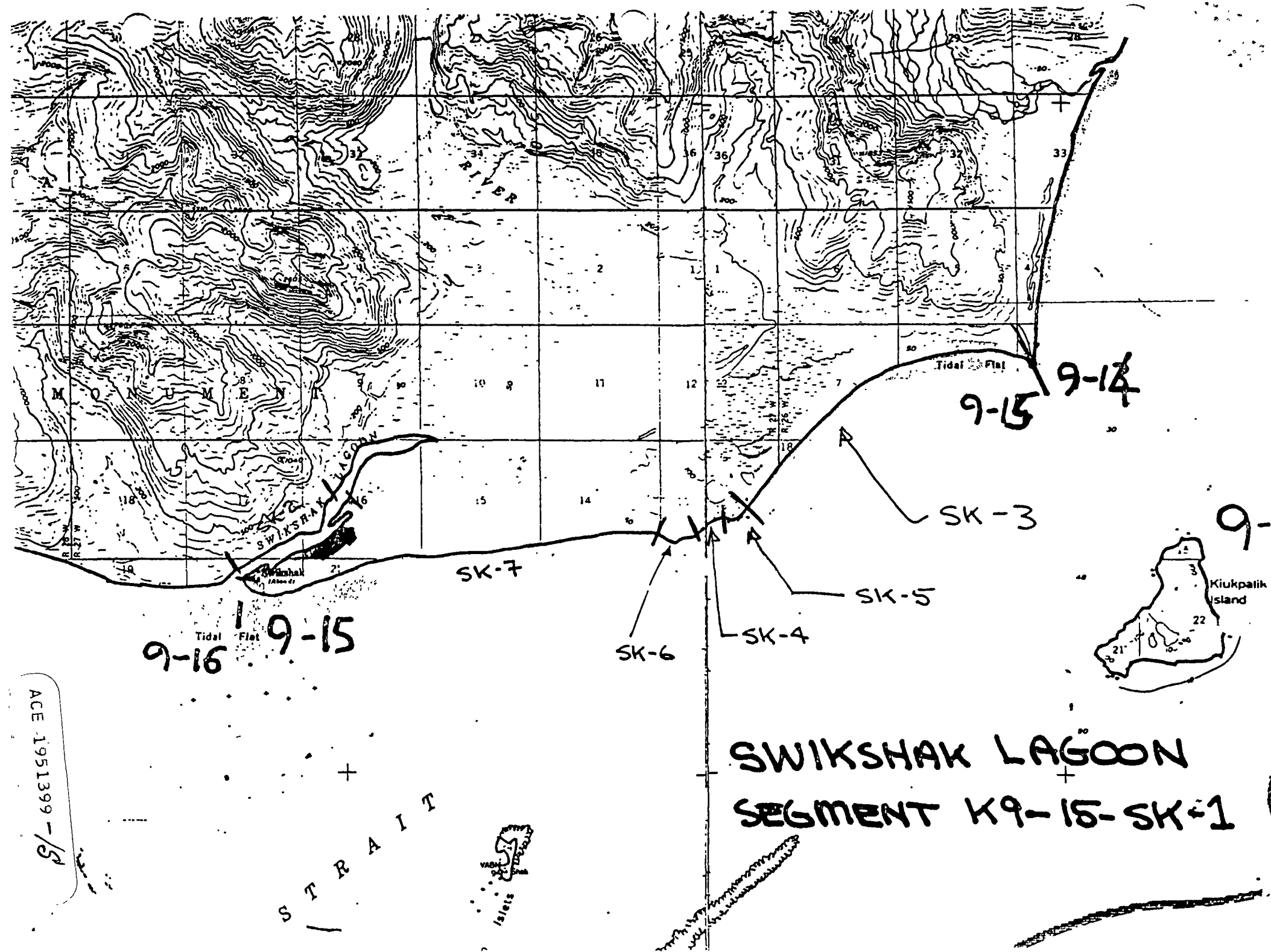
B/W Roll # _____ Frames _____

Observer(s) M. Yarborough / R. Jordan

Time survey started 10:08 Time survey ended 12:01

Cultural resource considerations/restraints:

(Segment should be monitored during cleanup. Cleanup crew restricted to active beach. Should heretofore undiscovered are uncovered during cleanup, contact Everett Archaeological Field Director.



ACE 1951399-1/5

SWIKSHAK LAGOON
SEGMENT K9-15-SK-1

SEGMENT INSPECTION RECORD

ADEC # K9-15

Shoreline Segment: SK-2

Shoreline Treatment Process(es) Completed for this Segment

Yards Signed Off

☐ Hot water wash	☐ Mechanical
☐ Warm water wash	☒ Non-mechanical
☐ Water deluge	☐ Other

Exxon

Treatment as indicated above has been completed. Request demobilization from this segment.

Exxon Comments

Signature Gayle Cannon

Date 8/8/89

Time 1200

Printed Name Gayle Cannon

Existing Shoreline Condition As
Visually Determined by USCG
Surface Oil

Percent	Degree of Oiling
☐ 0	Heavy
☐ 0	Medium
☐ 0	Light
☐ 4	Very Light

100%

Subsurface Oil

☐ Yes ☒ No

Comment Below

☐ Reassessment
☐ Yes - Necessary

☒ No - Not necessary unless re-oiled

ADEC Rep

Comments

Existing Shoreline Condition As
Visually Determined by ADEC

Surface Oil

Percent	Degree of Oiling
☐	Heavy
☐	Medium
☐	Light
☐	Very Light

100%

Subsurface Oil

☐ Yes ☐ No

Comment Below

☐ Reassessment
☐ Yes - Necessary

☐ No - Not necessary unless re-oiled

Signature _____ Date _____ Time _____

Printed Name

FOSC Rep Demobilization approved/disapproved

Comments

Inspection conducted with NPS, DNR & SSC. ADEC agreed to not participate.

Signature D. M. Maguire Date 8-12-89 Time 1710

Printed Name D. M. Maguire

Copy: Exxon ADEC FOSC ISCC Return All Signed Originals to Exxon

ACE 1951400 +/5

(version 5/02/89)

SHORELINE CLEANUP PROGRAM

DATE 7/9/89

SHORELINE SEGMENT K9-15-SK-2

LOCATION: (see enclosed map) Swikshak Lagoon

ADEC NO. _____ SHORELINE ASSESSMENT DATE: 6/23/89

Recommended Cleanup Activity(ies):

- No cleanup recommended subject to FOSC reassessment at a later date due to apparent absence of oil.

Priorities/Considerations: Class 4-A

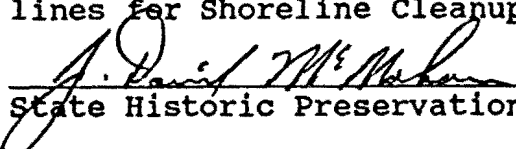
- Salmon river run.
- Heavily used by bears, fox and waterfowl.
- Segment located in Katmai National Monument.

(Ecological Constraints (from site survey):

- Avoid oil contamination of the river, if cleanup should be needed.

Archaeological Constraints (from site survey):

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


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.

((version 5/02/89)

version 5/16/89)

SHORELINE OIL EVALUATION FORM - KODIAK

Date: June 23
1989 / Time: 12:00

Observer: MIKE MILES

Surveyed From: Foot/Boat/Helio/Plane

Weather: Sun/Cloud/Rain/Snow/Fog

LOCATION SWIKSHAK LAGOON

SEGMENT I.D. SK-2

LENGTH OF SHORELINE SEGMENT: 1900 m

ACCESS: Foot/Vehicle/Boat/Barge/Helio/Float Plane

SHORELINE:

Shoreline Type: SPI/BEA/COV/HLD/STRT LAGOON Slope: LANG/HANG/VER

Wave Exposure: High/Med/Low

Sediment: B30% / C20% / P__% / G__% / S10% / M10% / R30%

Drift Debris on Beach: Yes/No Supra/Upper/Mid/Lower Type _____

OIL

Degree of Oiling: Heavy/Moderate/Light/No Oil/Unobserved

Total Area of Beach Impact: SU / SP / H / M / L

DISTRIBUTION

Continuous: Y/N Segment # _____ No. Bands _____ Width _____

Sporadic: Y/N Segment # _____ Min/Max Dia _____ Impact Width _____

Est. Oil Thickness where > 1cm: 41A cm SU / SP / UP / MID / LO

Est. Oil Penetration: 0 cm SU / SP / UP / MID / LO

Layers? Yes/No No# Layers _____ Oil Weathering _____

Drift Debris Oiled? Yes/No Supra/Upper/Mid/Lower Amount: H / M / L / VL

OIL MORPHOLOGY

Pooled Oil 0% "Free" Oil 0% Spattered 0% H/M/L/VL Sheen 0%

OIL WEATHERING (OW)

Fresh Oil 0% SU/SP/VP/MID/LO Choc Mousse 0% SU/SP/VP/MID/LO

Pancake Mousse 0% SU/SP/VP/MID/LO Asphalt Mousse 0% SU/SP/VP/MID/LO

Tar Formation 0%

Comments:

(SEE ATTACHED COMMENT SHEET)

DOCUMENTATION:

Map/Aerial photo marking segment boundaries See attached

VTR: Y/N Tape Number(s) _____

Photography: Y/N Roll Number(s) JT-2

Sample Numbers Collected: N/A

ACE 1951403

MIKE MILES
JUNE 23/89

SWIKSHAK LAGOON
SEGMENT K9-15-SK-2

COMMENTS
SHORELINE OIL EVALUATION

Segment SK-2 consists of the right bank [looking downstream] of lower Swikshak Lagoon/River. The right bank consists of materials and rock with bed materials along the bank edge generally being angular cobbles and local river deposits of sand or finer sediments.

This segment was flown at low elevation and no oil was observed, however given the spotty contamination on the left bank, minor amounts of oil may occur in this segment.

No clean-up appears to be required at this time. However if manual clean-up of oiled debris occurs in Segment SK-2, a walking the shore and picking up any oiled debris or other material which may be found might be advisable.

ECOLOGICAL EVALUATION

LOCATION: Swikshak Lagoon SITE: North Shore OBSERVER: J. Tarpley
 LOCATION PREFIX: K9/SK SEG. NO.: K9-15-SK-2 LENGTH: -1900 (M)
 DATE: 6/23/89 TIME (HHMM): 1200 TIDE HT.: -0.4 (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

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

Littorina

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

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

OTHER OBSERVATIONS: _____

CLEANUP PRECAUTIONS: If there is any oil, do not wash oil into river.

MAMMALS: Otters _____ Harbor Seals _____ Sea Lions _____ Whales _____
 Other Fox & Bear on shoreline

BIRDS: Gulls/Kittiwakes along river

GENERAL OBSERVATIONS: Yellowish silt in river

Fly over segment. I did not get out to observe segment on foot.

(version of 4/29/89)

CULTURAL RESOURCE EVALUATION

Date K9-15-SK-2 Location Swikshak Lagoon site north shore.

Location Prefix K9-15-SK Segment # 2 Length 1900M

Survey Method:

Air ✓ (A - indicate on map) Boat _____ (A - indicate on map)

Ground _____ (G - indicate on map)

Known cultural resources (AHRS #) None Data Source AHRS

Oil conditions/beach visibility NO oil

Width of beach zone surveyed _____ m Tree fringe surveyed _____

Cultural resources observed in beach zone (AHRS code) NONE

Cultural resources observed in tree fringe (AHRS code) NONE

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

Shore Profile steep rock faces & vegetated hill slopes / tidal mudflats to large angular scree from above

Fresh Water Sources numerous small streams

Sea Exposure protected by Swikshak lagoon

Access/Safety easily accessible by boat/plane

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 # None Frames _____

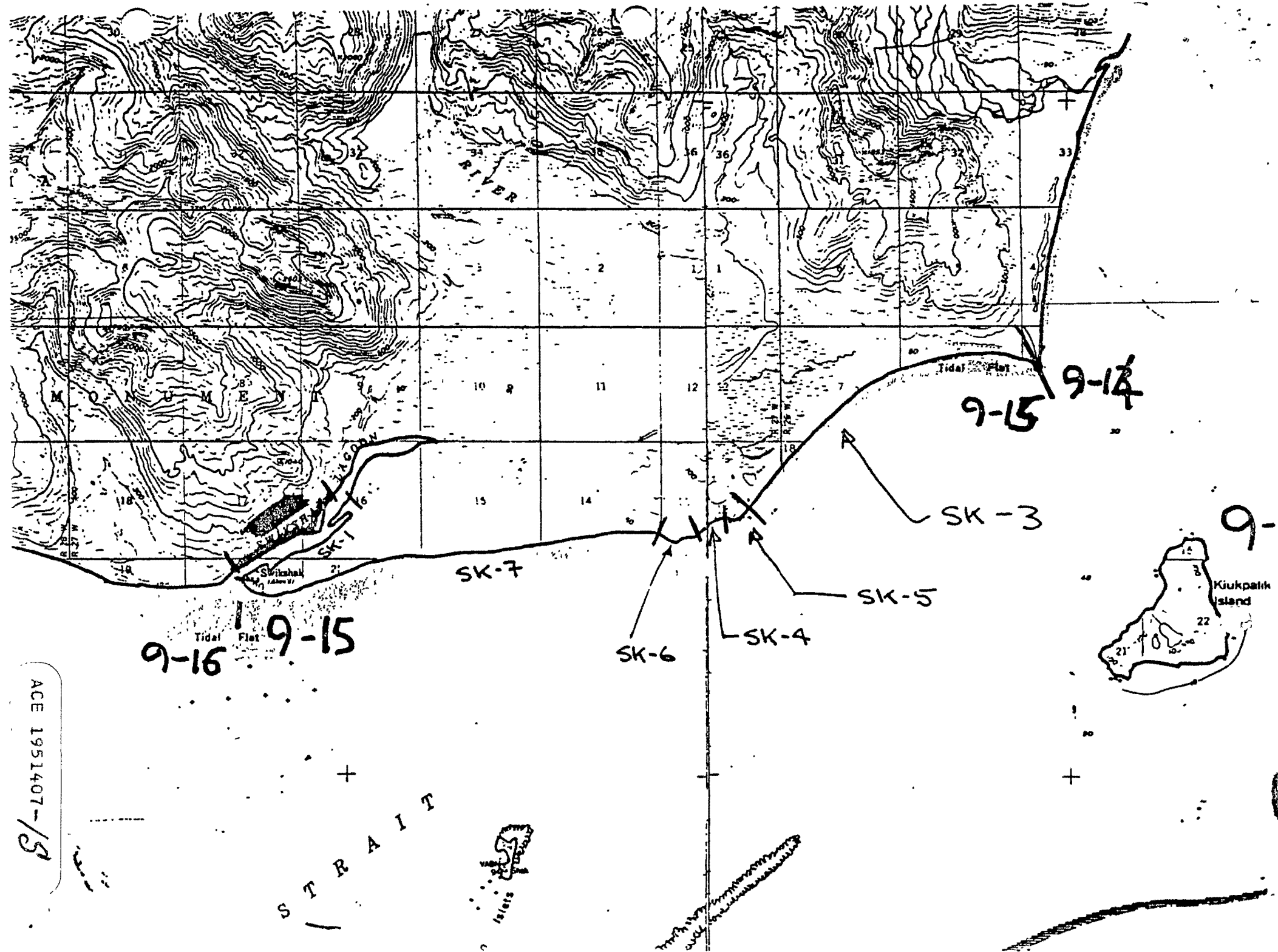
B/W Roll # None Frames _____

Observer(s) M. Yankorovich / R. Jordan

Time survey started 2:01 Time survey ended 2:10

Cultural resource considerations/restraints:

Should have to fore undiscovered ^{cultural remains} be uncovered during cleanup, contact Exxon's Archaeological Field Director immediately.



SEGMENT INSPECTION RECORD

ORIGINAL
COPY

ADEC # K9-15

Shoreline Segment: SK-7 & other subunit areas

Shoreline Treatment Process(es) Completed for this Segment

Yards Signed Off

☐ Hot water wash ☐ Mechanical
☐ Warm water wash ☒ Non-mechanical
☐ Water deluge ☐ Other

Exxon

Treatment as indicated above has been completed. Request demobilization from this segment.

Exxon Comments

Signature

Date 8/8/89

Time 1200

Printed Name

Gayle Cannon

Existing Shoreline Condition As
Visually Determined by USCG

Surface Oil

Percent Degree of Oiling
☐ 0 Heavy
☐ 0 Medium
☐ 0 Light
☒ 20 Very Light

100%

Subsurface Oil

☐ Yes ☒ No

Comment Below

☐ Reassessment
☐ Yes - Necessary

☒ No - Not necessary unless re-oiled

Existing Shoreline Condition As
Visually Determined by ADEC

Surface Oil

Percent Degree of Oiling
☐ Heavy
☐ Medium
☐ Light
☐ Very Light

100%

Subsurface Oil

☐ Yes ☐ No

Comment Below

☐ Reassessment
☐ Yes - Necessary

☐ No - Not necessary unless re-oiled

ADEC Rep

Comments

Signature

Date

Time

Printed Name

FOSC Rep

Demobilization approved/disapproved

Comments

Inspected with US, DNR & SSC. ADEC ASSESS TO NOT PARTICIPATE.

Signature

Date

Time

Printed Name

Copy: Exxon

ADEC

FOSC

ISCC

Return All Signed Originals to Exxon

ACE 1951408 + 15

(version 6/04/89)

SHORELINE PRE-CLEANUP ASSESSMENT BLOCK REPORT

Block (see enclosed map): K9-15

Includes Shoreline Segments: SK-1, SK-2, SK-3, SK-4, SK-5,
SK-6, SK-7

Location: Swikshak Bay

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

Exxon
Copy

ACE 1951409

(version 5/02/89)

SHORELINE CLEANUP PROGRAM

DATE 7/9/89

SHORELINE SEGMENT K9-15-SK-7

LOCATION: (see enclosed map) Beach adjacent to Swikshak Lagoon

ADEC NO. _____ SHORELINE ASSESSMENT DATE: 6/25/89

Recommended Cleanup Activity(ies):

-No cleanup recommended due to very light contamination, high natural cleaning potential (wave energy) and ecological constraints discussed below. Subject to FOSC reassessment at a later date.

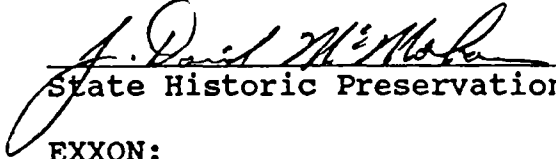
Priorities/Considerations: Class 5-B

Ecological Constraints (from site survey):

-Cleanup may result in disturbance to large population of brown bears known to exist in Swikshak Lagoon.

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.


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 1951410

(version 5/16/89)

JUNE 25

SHORELINE OIL EVALUATION FORM - JODIAK

Date: 1989 / Time: 15:44

Observer: MIKE MILES

Surveyed From: Foot/Boat/Helio/Plane

Weather: Sun/Cloud/Rain/Snow/Fog

LOCATION BEACH ADJACENT TO
LOCATION SWIKSHAK LAGOON

SEGMENT I.D. K9-15-SK-7

LENGTH OF SHORELINE SEGMENT: 5200 m

ACCESS: Foot/Vehicle/Boat/Barge/Helio/Float Plane

calm day only

SHORELINE:

Shoreline Type: SPI/BEA/COV/HLD/STRT

Slope: LANG/HANG/VER

Wave Exposure: High/Med/Low

Sediment: BS / CL / PS / GL / S30 / M / R

Drift Debris on Beach: Yes/No

Supra/Upper/Mid/Lower Type

logs +
drifted wood

OIL

Degree of Oiling: Heavy/Moderate/Light/No Oil/Unobserved/Very Light

Total Area of Beach Impact: SU / SP / H / M / L

OIL DISTRIBUTION

Continuous: Y/N Segment # _____ No. Bands _____ Width _____

poradic: Y/N Segment # 100 Min/Max Dia 5cm Impact Width 1-4

Est. Oil Thickness where > 1cm: 4/1A cm: SU / SP / UP / MID / LO
Depth below top sed

Est. Oil Penetration: 0 cm SU / SP / UP / MID / LO

Layers? Yes/No No# Layers _____ Oil Weathering _____

Drift Debris Oiled? Yes/No Supra/Upper/Mid/Lower Amount: H / M / L / VL

OIL MORPHOLOGY

Pooled Oil 0 "Free" Oil 0 Spattered 100 H/M/L/VL Sheen 0

OIL WEATHERING (OW)

Fresh Oil 0 SU/SP/VP/MID/LO Choc Mousse 0 SU/SP/VP/MID/LO

Pancake Mousse 50 SU/SP/VP/MID/LO Asphalt Mousse 50 SU/SP/VP/MID/LO

Tar Formation 0

Comments:

This long sandy/pebbly beach is in a high wave energy environment and there is a well defined spring tide / storm berm.

Oiling on this beach consists of very small quantities of lightly oiled drift and the occasional mousse "pancake".

ACE 1951411

DOCUMENTATION:

(lap/Aerial photo marking segment boundaries See Attached

VTR: Y/N Tape Number(s) _____

Photography: Y/N Roll Number(s) DMC-15

Sample Numbers Collected: N/A

ECOLOGICAL EVALUATION

Beach Adjacent
LOCATION: to SWIRSKAK LAGOON SITE: _____ OBSERVER: D. McCORMICK
K9-15-

LOCATION PREFIX: SK SEG. NO.: 7 LENGTH: 5200 (M)

DATE: 6/25/89 TIME (HHMM): 1550 TIDE HT.: +1.0 (M)

OILED ZONE: Splash High Medium Low

SUBSTRATUM: Rocks Boulder Cobble Pebble Gravel Sand Mud

LIVE BIOTA

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

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

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

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

OTHER OBSERVATIONS: crab scrapes; cockle shells; sand dollars; Eristalisia;
rayed clam beds; 2 fox on beach.

CLEANUP PRECAUTIONS: None

MAMMALS: Otters _____ Harbor Seals _____ Sea Lions _____ Whales _____
Other Fox (2); 1 brown bear 1/4 mi. inland

BIRDS: gulls

GENERAL OBSERVATIONS: Very light oil in drift debris - no biota in mid-high
zone - clam beds in lower ITZ. Large population of bears in Lagoon.
High energy beach.

(version of 4/29/89)

CULTURAL RESOURCE EVALUATION

Date 6/25/89 Location Swikishak Site Outer Coast

Location Prefix K9-155K Segment # 7 Length 5200

Survey Method:

Air ✓ (A - indicate on map) Boat _____ (A - indicate on map)

Ground _____ (G - indicate on map)

Known cultural resources (AHRS #) None Data Source AHRS

Oil conditions/beach visibility Very Light

Width of beach zone surveyed — m Tree fringe surveyed —

Cultural resources observed in beach zone (AHRS code) None

Cultural resources observed in tree fringe (AHRS code) None

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

(Shore Profile gentle sand/pebble/cobble beach backed by beach ridges w/old dune grass

Fresh Water Sources small ponds

Sea Exposure totally exposed high energy coast

Access/Safety access plane/boat

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 —

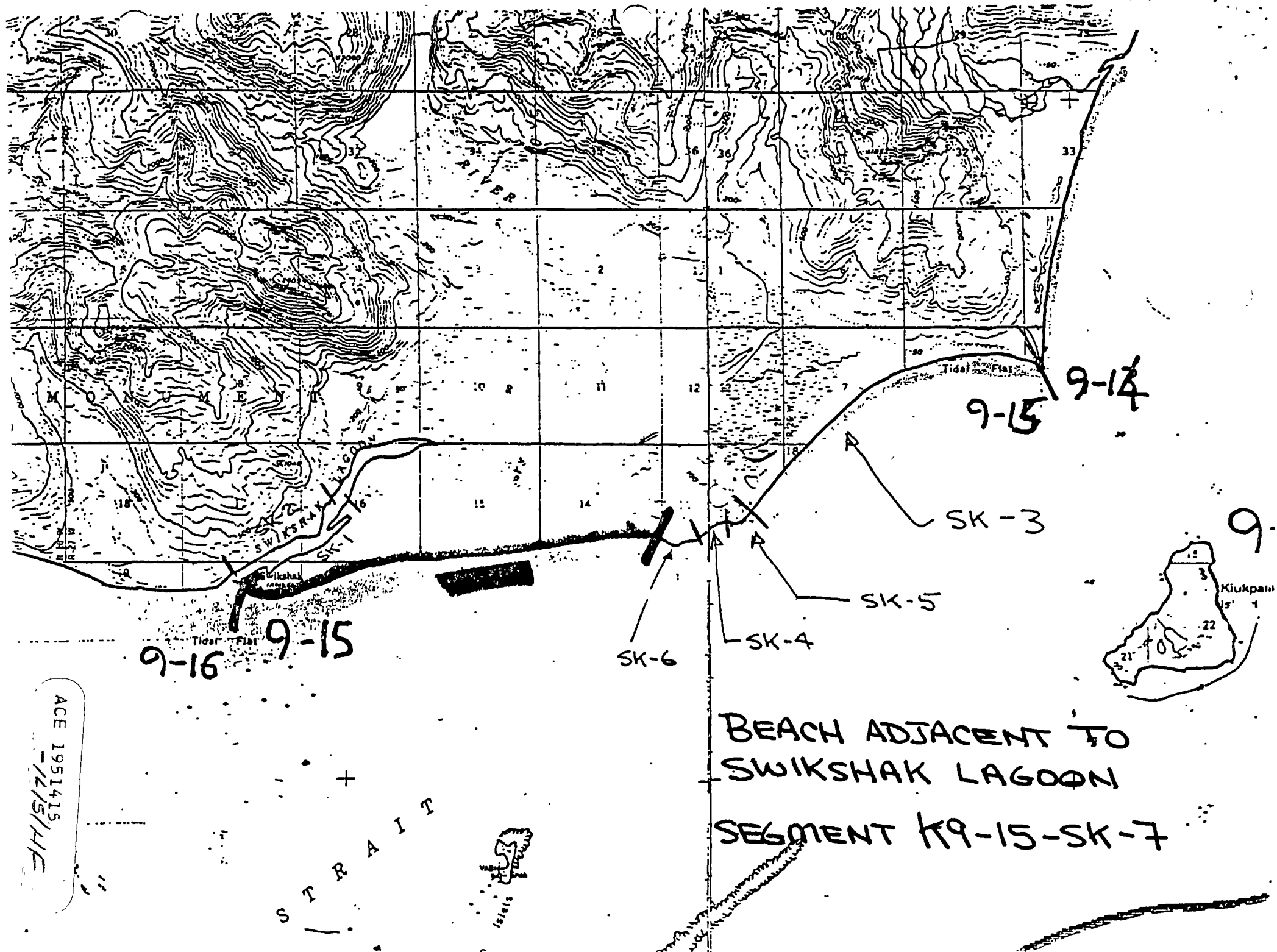
Observer(s) R. Jordan

Time survey started 4:15 Time survey ended 4:35

Cultural resource considerations/restraints:

(If cultural remains are uncovered during cleanup,
contact Exxon's Archaeological Field Director
immediately.

ACE 1951414



ACE 1951415
-17/5/HF

BEACH ADJACENT TO
SWIKSHAK LAGOON

SEGMENT K9-15-SK-7