

AFS 252-31-10010
SELEZEN BAY, AFOBNAR IS.
SITE A4-4

252-31-319

ACE 1369695



89 Stream Survey

ASC NUMBER: LOCATION: STREAM NAME: KODIAK K-UNIT: USGS QUADRANGLE: SHORELINE TYPE: Beach

SEGMENT NUMBER: LOCAL STREAM #: Please verify. This is not in the Streamlist.

YR CATALOGED: LATITUDE: LONGITUDE: LEGAL: WAVE EXPOSURE: M

ASC NUMBER: 252-31-10010

SURVEY TYPE: SS

METHOD: F

DATE: 9/2/89

START TIME: 1445

STOP TIME: 1600

TEAM RECORDER: JEFFREY BARNHART

OBSERVERS: Randy Talvi, Roger Dunbar

AGENCY(IES): ADF&G

PHOTOS TAKEN? N

Roll #:

Frames:

VIDEO TAKEN? N

Tape Number:

Counter Start:

SAMPLES TAKEN? Y

SAMPLE I.D. NUMBERS: 1. A4-4-1H

4. A4-4-2P

89KD022K

2. A4-4-2H

5. A4-4-1mp

89KD023K

3. A4-4-1P

6. A4-4-2mp

89KD024K

OILING DATA

	LENGTH	WIDTH	M2	%	THICK	FEN	OIL TYPE
SITE 1	375m	N/A		Ø			no oil observed
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: No oil observed.

OIL IN STREAM CHANNEL? N

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? N

SUBSTRATE

Bedrock Granule
Boulder Sand/oo
Cobble Silt
Pebble Veget.

SPECIES	PS	SS			
COUNT	NO COUNT	NO COUNT			

COMMENTS: Site A4-4. Sleszen Bay, Afognak Island. Unable to count salmon due to sport fishermen present.

* note stream location on data base

89 Stream Survey

ASC NUMBER: LOCATION: STREAM NAME: KODIAK K-UNIT: USGS QUADRANGLE: SHORELINE TYPE: *Beach*

SEGMENT NUMBER: LOCAL STREAM #:

YR CATALOGED: LATITUDE: LONGITUDE: LEGAL: WAVE EXPOSURE: *M*

ASC NUMBER: *252-31-10010*
 SURVEY TYPE: *SS*
 METHOD: *F*
 DATE: *9/2/89*
 START TIME: *1445*
 STOP TIME: *1600*

TEAM RECORDER: *JEFFREY BARNHART*
 OBSERVERS: *Randy Talvi, Roger Dunbar*

AGENCY(IES): *ADF+G*

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

SAMPLES TAKEN? *Y*

SAMPLE I.D. NUMBERS: 1. *A4-4-1H* 2. *A4-4-2H* 3. *A4-4-1P*
 4. *A4-4-2P* 5. *A4-4-1mp* 6. *A4-4-2mp*

OILING DATA

	LENGTH	WIDTH	M2	%	THICK	FEN	OIL TYPE
SITE 1	<i>375m</i>	<i>N/A</i>		<i>0</i>			<i>no oil observed</i>
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: *No oil observed.*

OIL IN STREAM CHANNEL? *N*

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? *N*

SUBSTRATE	
Bedrock	Granule
Boulder	Sand <i>100</i>
Cobble	Silt
Pebble	Veget.

SPECIES	<i>PS</i>	<i>SS</i>			
COUNT	<i>no count</i>	<i>no count</i>			

COMMENTS: *Site A4-4. Sleszen Bay, Afognak Island. Unable to count salmon due to sport fishermen present.*

ADF&G MULTI-ASSESSMENT FORM
1991 GENERAL ENTRY CHECKLIST

*Can't find
MAD-sheet*

STREAM#: 2523210010
SEGMENT: DU003

PAGE 37

DATE PRINTED: 07/25/91

LOCATION: AFOGNAK ISLAND, DUCK BAY, SELEZEN BAY

SURVEY TYPE: 89 STREAM SURVEY

METHOD: FOOT

DATE: 09/02/89

TEAM RECORDER: BARNHART

START TIME: 1445

OBSERVERS: TALVI DUNBAR

END TIME: 1600

TIDES: -0-

AGENCY: FG

OG/HAB DISCREPANCIES: -

PHOTOS TAKEN: N

STATION: 2523210010

ROLL#: -0-

FRAME: -0-

VIDEO TAKEN: N

TAPE#: -0-

START: -0-

END: -0-

SAMPLES TAKEN: Y

SAMPLE NUMBERS: 89RD022K

89RD023KD

89RD022KD

89RD024K

89RD023K

89RD024KD

OIL IN STREAM BED: N

OVERALL OIL IMPACT: N

OIL ON BEACH BY MOUTH: N

WAVE EXPOSURE: M

SHORELINE TYPE: BEACH

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

GRAVEL -0- SAND 100 MUD/SILT -0- GRANULE -0-

ANADROMOUS FISH PRESENT: Y

SPECIES: -0-

COUNT: -0-

-0-

-0-

-0-

-0-

-0-

-0-

-0-

-0-

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST

had sheet!

PAGE 38

DATE PRINTED: 07/26/91

STREAM# : 2523210010
SEGMENT#: DU003

SURVEY TYPE : 89 STREAM SURVEY - SS LOCATION: AFOGNAK ISLAND, DUCK BAY,
DATE: 09/02/89 SELEZEN BAY
TIMES: 1445 - 1600 TEAM RECORDER: BARNHART

-- OILING EXTENT --

SITE#	SITE TYPE	DEPTH (cm)	LENGTH (m)	WIDTH (m)	AREA (m)	%	THICK (cm)	PEN (cm)	OIL TYPE CODES
1	-0-	-0-	375	-0-	-0-	-0-	-0-	-0-	NO OIL

COMMENTS:

SITE A4-4, SLEZEN BAY, AFOGNAK ISLAND. UNABLE TO COUNT SALMON DUE TO SPORT FISHERMEN PRESENT.

Slezen Bay, Afognak Island

FISH HABITAT ASSESSMENT FORM

JEFF BARNHART

Randy Talu.

REGION: PWS KP, CI K, AP OBSERVER(S) Roger Dunbar

SITE NO. A4-4 AERIAL PHOTO NO. K1-12 CAT NO. 252-31-10010

STREAM NAME _____ * N LAT 58° 07' 54" * W LONG 152° 24' 36"

DATE 09/02/89 TIME 1445 TIDE: Low slack Flood High slack Ebb

CATALOGED ANADROMOUS STREAM? (Y) N ANAD. FISH FOUND? (Y) N

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

sediment

OIL SAMPLES TAKEN? Y N ID NOS. A4-4-1H A4-4-1P A4-4-1mp
A4-4-2H A4-4-2P A4-4-2mp

35 mm PICTURES TAKEN? Y (N) ROLL NO(S). _____

EXPOSURE NO.

DESCRIPTION

VIDEO FOOTAGE TAKEN? Y (N) CASSETTE NO(S). _____

DESCRIPTION: _____

* Lat/Long Taken from pilot's Aviation chart.

ANADROMOUS FISH OBSERVATIONS

	PINK	CHUM	RED	KING	COHO	DOLLY
Aerial						
Ground	present				present	

COMMENTS: unable To count fish. Sport fishermen present.

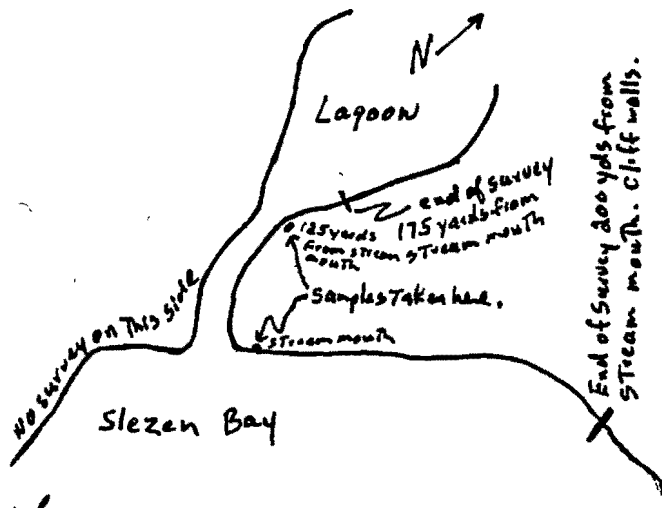
OIL OBSERVATIONS

EXTENT OF OIL:

	WITHIN STREAM	OUTSIDE STREAM
SURFACE COVERAGE	—	—
SURFACE THICKNESS	—	—
PENETRATION	—	—

OIL DISTRIBUTION DIAGRAM
(SHOW SAMPLING SITES)PREDOMINANT
SUBSTRATE TYPE:

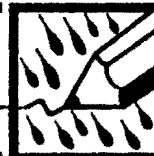
1. Bedrock
2. Boulder
3. Cobble
4. Gravel
- ⑤ Sand
6. Mud
7. Other _____



COMMENTS: no oil observed.

A4-4

"*Rite in the Rain*"
ALL-WEATHER WRITING PAPER ®



ALL-WEATHER

LEVEL

Notebook No. 311-M

Alaska Dept of Fish + Game Lab.
Kodiak, Ak 486-5033
Kodiak Archipelago
Anadromous Fish Habitat
Assessment

1
Anadromous Fish Habitat
Assessment
Exxon Valdez Oil Spill

Date: 09/02/89

Site Number: A4-4

Location of sampling point:

Latitude - $58^{\circ} 07' 54''$ N

Longitude - $152^{\circ} 24' 36''$ W

Comments - Taken From pilots
aviation chart.

Type of sample: Oil, ^(circle one)
Sediment

How many samples taken?
6 samples Taken.

2

Volume of samples taken:

Approx 250 ml each.

Date and Time of collection:

09/02/89 1513

List of sample identification numbers:

A4-4-1 H

A4-4-2 H

A4-4-1 P

A4-4-2 P

A4-4-1 mp

A4-4-2 mp

3

Description of sampling point and sampling methodology:

A4-4-1 H and A4-4-2 H were Taken
125 yards from stream mouth.A4-4-1 P and A4-4-1 mp were
A4-4-2 P A4-4-2 mp
both Taken at stream mouthMethodology. Samples were Taken from
The surface using a sterile Tongue
blade. Disposable rubber gloves were
worn.

RT
4

5

References (Maps, photographs, Video)

Kodiak Area Salmon District map

Aerial photograph K1-12

Field Observations:

No oil observed.

Jeff Barnhart
9/2/89

SEGMENT INSPECTION RECORD

ORIGINAL

ADEC # K3-6

Shoreline Segment: DU-3

Shoreline Treatment Process(es) Completed for this Segment

Yards Signed Off

☐ Hot water wash	☐ Mechanical
☐ Warm water wash	☒ Non-mechanical
☐ Water deluge	☐ None

Exxon

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

Exxon Comments

Signature Gayle Cannon

Date 9/6/89

Time 1010

Printed Name Gayle Cannon

Existing Shoreline Condition As Visually Determined by USCG

Surface Oil

Percent	Degree of Oiling
☒	Heavy
☒	Medium
☒	Light
☒ 40%	Very Light

100%

Subsurface Oil

☐ Yes ☒ No

Comment Below

☐ Reassessment

☐ Yes - Necessary

☒ No - Not necessary unless re-oiled

ADEC Rep

Comments

See comments on back

Signature

Scott Sherton

Date

9/11/89

Time

3:10PM

Printed Name

FOSC Rep

Demobilization approved/disapproved

Comments

Sighted very small amount of splattered debris throughout the bay, i.e., a piece of splattered debris would be here + there. Two landings.

Signature

Lurilla J. Lee

Date

11 SEP 89

Time

1500

Printed Name

LURILLA J. LEE

Copy: Exxon

ADEC

FOSC

ISCC

Return All Signed Originals to Exxon

ACE 6726140 + F/S/H/T

K-3-6

USFWS comments: Helo Survey (212), 2 set downs, no mussel found, only small staining in driftwood. Remainder of coast, cliffs, boulders, storm. *John Fulton*

DW-3

K-3-6 ADEC. Low tide 5:20 P.M.) SET DOWN 1:23 P.M.

2 Set downs 1st Set down Selizen Bay walked 200 yds splatters of weathered mussel found on drift wood at high tide line (VL) ^{NO} mussel observed in the patric form on beach. Weather conditions were fair for survey work Duck Bay only has 2 beaches that are catchers beaches and land-able on this date ~~of~~ 9/11/84. *John Fulton* ADEC.

1:45 P.M. Second set down in K3-6 ^{DW-3} one mile north of Cape Kostromitina. Walked @ 175 yards. no oil observed - only weathered mussel splatters off stream line drift observed. NO more set downs in K3-6 only beach helicopter observations. Exposed headland high energy shore. *John Fulton* ADEC

TYPE A SHORELINE CLEANUP WORK ORDER

RECEIVED
8/3/89

Date 8/02/89

Shoreline Segment K3-6-DU-3

Location (see map)

Cape Kostromitinof to Selezen Point

ADEC No. K3-6

Shoreline assessment date 7/16/89

Recommended cleanup activities

Manual removal of mousse patties (see note map #1)

Priority considerations

Class 5-A

Boat access may be restricted to calm days.

Ecological constraints

none

Archaeological constraints (from site survey)

Inspection by an archaeological monitor is required while cleanup is conducted.

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

8/3/89

Approved:

Federal On-Scene Coordinator

Date

8/16/89

ACE 6726148

SHORELINE OIL EVALUATION

ate: 7/16/89 / Time: 1200
 Surveyed From: Foot/Boat/Helicopter/Plane

Observer: M. Acton
 Weather: Sun/Cloud/Rain/Snow/Fog

LOCATION

Location: Cape Kostromitinaf to Selezen Point Segment ID: K3-6-DU-3
 Segment Length: 13 Km m. Access: Vehicle/Boat/Barge/Helicopter/Float Plane
 Access Restrictions: Boat access during low energy periods.

SHORELINE

Shoreline Type: SPI/BEA/COV/HLD/STRT Slope: Lo/Med/Hi/Vert
 Average Exposure: High/Med/Low
 Sediment: B 30 % / C 20 % / P % / G&S 10 % / M % / R 40 %

IL

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

IL 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

Oil	Length(m)	Width(m)	Thickness >1cm:	cm	SU/SP/H/M/L
Very light:	<u>100</u>	<u>5</u>	Penetration/Rework:	<u> </u> cm	SU/SP/H/M/L
Light:	<u> </u>	<u> </u>	Burial Depth:	<u> </u> cm	SU/SP/H/M/L
Moderate:	<u> </u>	<u> </u>			
Heavy:	<u> </u>	<u> </u>			

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

IL MORPHOLOGY

Oil	%	H/M/L/VL	SU/SP/H/M/L
Coiled Oil:	<u> </u>		SU/SP/H/M/L
"Free" Oil:	<u> </u>		SU/SP/H/M/L
Plattered:	<u> </u>	H/M/L/VL	SU/SP/H/M/L
Coated:	<u> </u>	H/M/L/VL	SU/SP/H/M/L
Pancakes/Balls:	<u>100</u>		SU/ <u>SP</u> / <u>H</u> /M/L

Preliminary Cleanup Est.

Total TYPE A: 100 m
 Total TYPE B: m
 Total TYPE A/B: m

IL WEATHERING

Oil	%	SU/SP/H/M/L
Fresh:	<u> </u>	SU/SP/H/M/L
Mousse:	<u> </u>	SU/SP/H/M/L
Weathered Mousse:	<u>100</u>	SU/ <u>SP</u> / <u>H</u> /M/L
Asphalt Mousse:	<u> </u>	SU/SP/H/M/L
Ice:	<u> </u>	SU/SP/H/M/L

COMMENTS

Segment surveyed by helio. Limited helio access.
 See segment maps and Note Maps for comments.

ACE 6726149

DOCUMENTATION:

Map Aerial photo marking segment boundaries See Attached Map

VTR: Y/N Tape Number(s) _____

Photography: Y/N Roll Number(s) _____

Sample Numbers Collected: _____

(version 6/04/89)

SHORELINE PRE-CLEANUP ASSESSMENT BLOCK REPORT

Block (see enclosed map): K3-6

Includes Shoreline Segments: DU-3

Location: Cape Kostromitinof to Selezen Point

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

ACE 6726151



(version 5/02/89)

SHORELINE CLEANUP PROGRAM

DATE 7/16/89

SHORELINE SEGMENT K3-6-DU-3

LOCATION: (see enclosed map) Cape Kostromitinof to Selezen
Point

ADEC NO. K3 SHORELINE ASSESSMENT DATE: 7/16/89

Recommended Cleanup Activity(ies):

-Manual removal of mousse patties (see note map #1).

Priorities/ Considerations: Class 5-A

-Boat access may be restricted to calm days.

Ecological Constraints (from site survey):

Archeological Constraints (from site survey):

-Inspection by an archaeological monitor is required while cleanup is conducted.

-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.

A. David McManis
State Historic Preservation Officer *

Date: 7/30/89

EXXON: _____

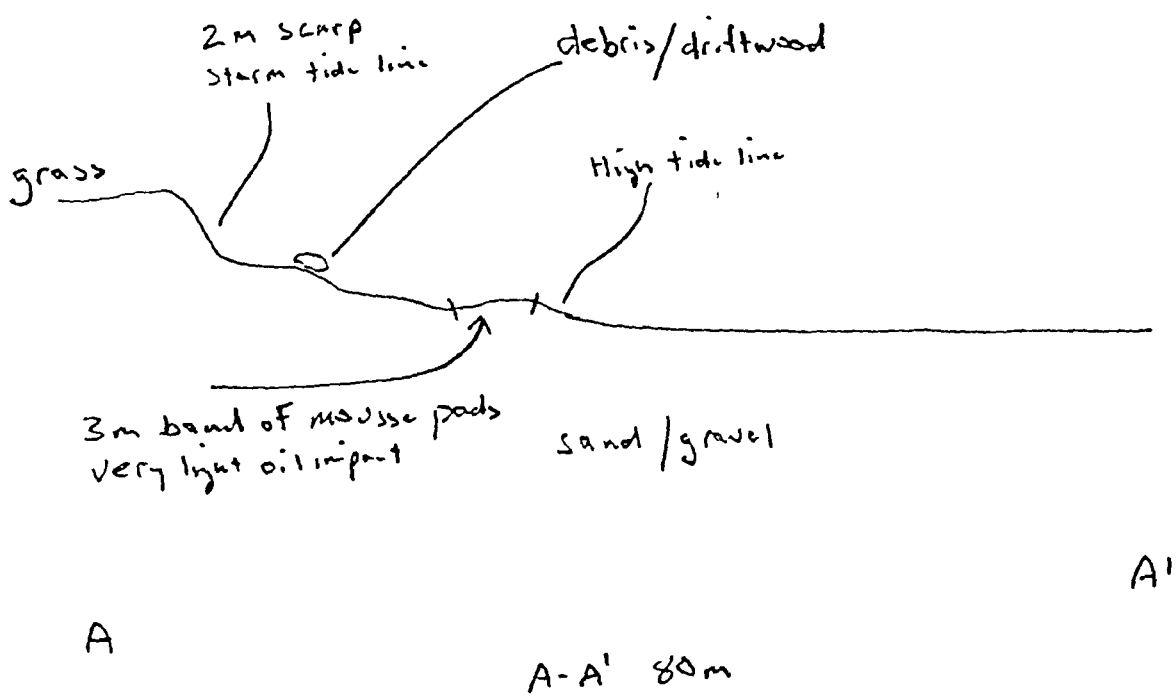
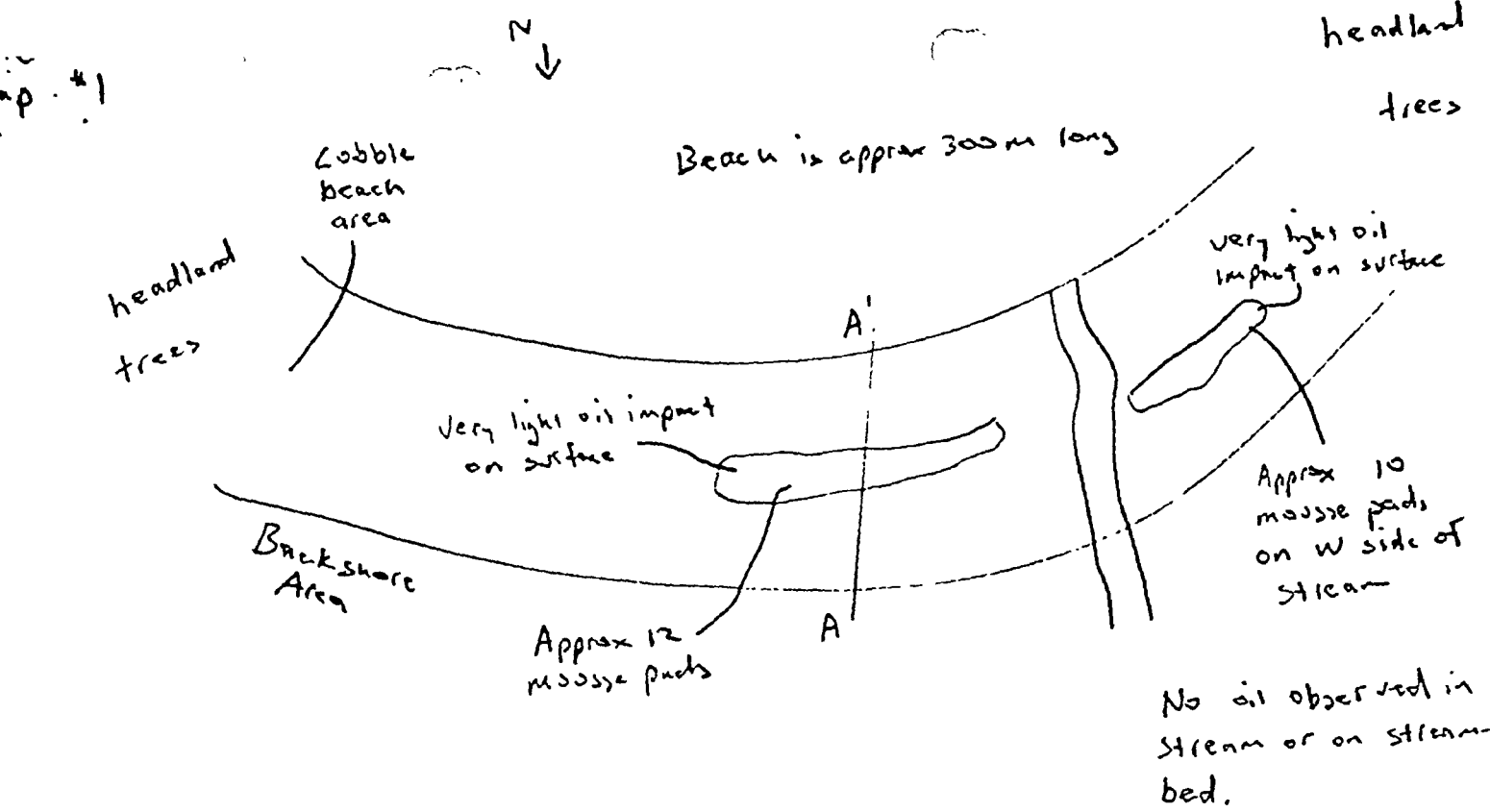
Date: _____

FOSC: _____

Date: _____

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

ACE 6726153



10
12
13

Peril cep. and N NW - no good land.

Dried townhouse SE of cabins in Helen Bay

Selezen 37 - na o.i. ugher!

1200 small packet beam capture return for food
left us for lunch - see 1:15:00 map

1015

152-

300m	4700.0
400	

on N 7th
1st St
approx 6-12
mns. busi-
ness district

Ar.
m-11-1

12
12

dot. 2. 2. 2. 2.
5. 2. 2. 2.

gr 17 ferric

16th

A

5. 7. 8

Alfwood
high
tide

A-A' 8m

A'

beam is low angle

Sand-gravel

very high degree of c.i.

moose paddies at M-H tide line

incoming tide moving mossy pellets up beach

1375 set down in Kazakof B₇

k

$\frac{25}{75}$ wild.
 1000 1000

all hand

15' backshore embankment

some diff used - n = 2p1-7

few 6-8 mousibills at N end of beach

V. 14. 0:1

1-2" diameter

MA2-21 N

22 3

Washed longer or percent bound

ba-kut 1515

7/17 Mon

Lift off from Kadena 0800

Destination - Shuyuk Bay

Colombo Pt - 2751 0840

(2016/62114) 10/10/16

Acton Penn

Billipara Gilpin

ECOLOGICAL EVALUATION

LOCATION: Kodiak SITE: Afognak-Duck Bay OBSERVER: G. Penn
 LOCATION PREFIX: K3-6 SEG. NO.: D4-3 LENGTH: 13 km (M)
 DATE: 07/16/89 TIME (HHMM): 12:00 TIDE HT.: 1 m (M)
 OILED ZONE: Splash High Medium Low None
 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
unobserved

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

unobserved

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

unobserved

OTHER OBSERVATIONS: _____

CLEANUP PRECAUTIONS: None - intertidal biota generally below
cleanup area.

MAMMALS: Otters _____ Harbor Seals _____ Sea Lions _____ Whales _____
 Other _____

BIRDS: Eagles + Nest

GENERAL OBSERVATIONS: Intertidal zone generally poor in Biota
due to steepness of beach slope (usually vertical)

(version of 4/29/89)

CULTURAL RESOURCE EVALUATION

Date July 16 '89 Location Dirk Bay Site Aognak Is.

Location Prefix K-3-6-11 Segment # 3 Length 13 km

Survey Method:

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

Ground X (G - indicate on map)

Known cultural resources (AHRS #) AFG-24,25,50 Data Source D.W. Clark

Oil conditions/beach visibility clean

Width of beach zone surveyed 40 m Tree fringe surveyed 15m

Cultural resources observed in beach zone (AHRS code) 0

Cultural resources observed in tree fringe (AHRS code) 0

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

Shore Profile steep headlands and wide gravel beaches

Fresh Water Sources streams

Sea Exposure generally open exposure

Access/Safety possible access to some beaches

Probability of undiscovered sites in beach zone (circle one) 1 2 3 4 5
Monitoring during cleanup needed yes/no insufficient grounds to support recommendation Collection yes/no yes 7-27-89

Photos: Color Roll # _____ Frames _____

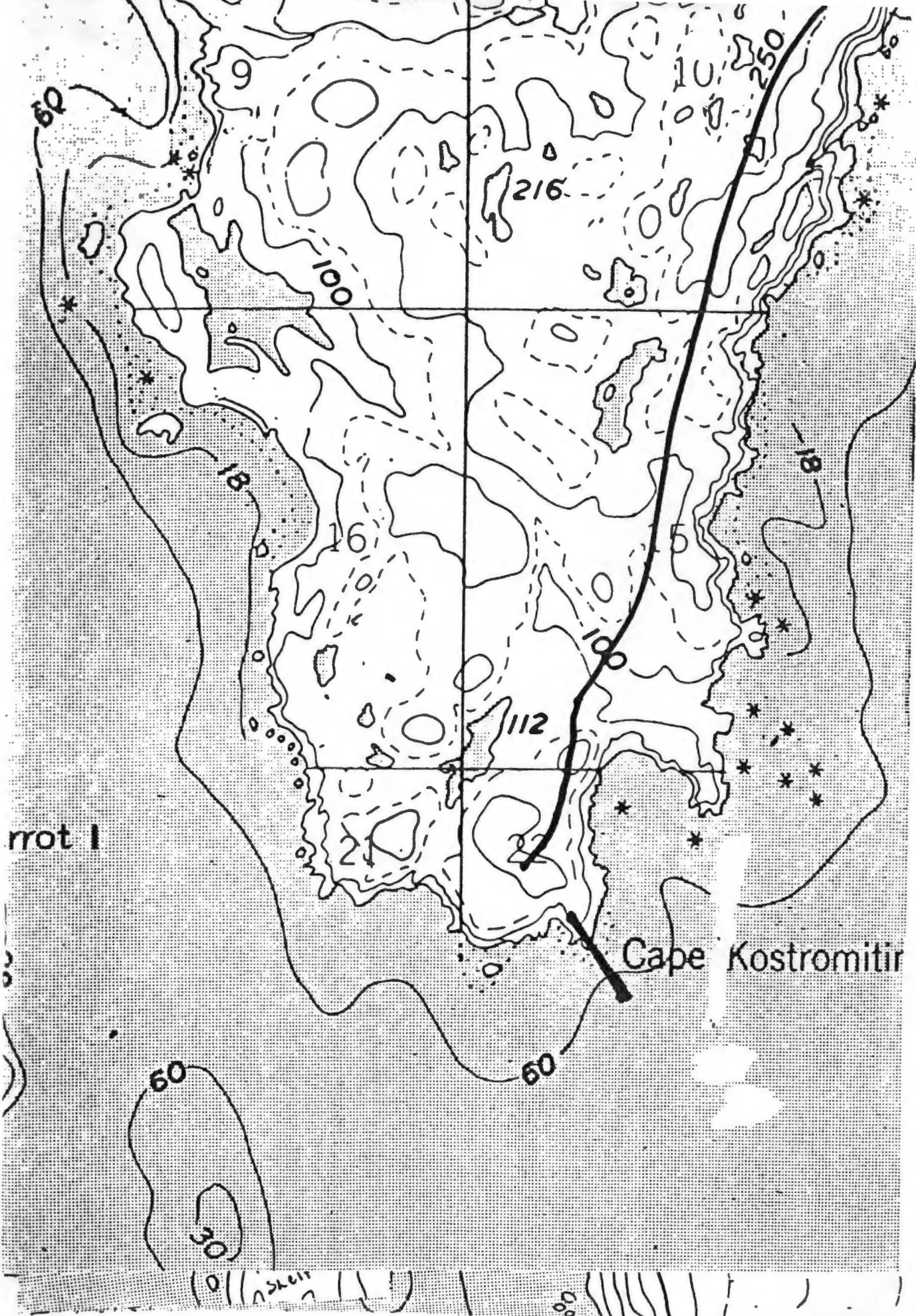
B/W Roll # _____ Frames _____

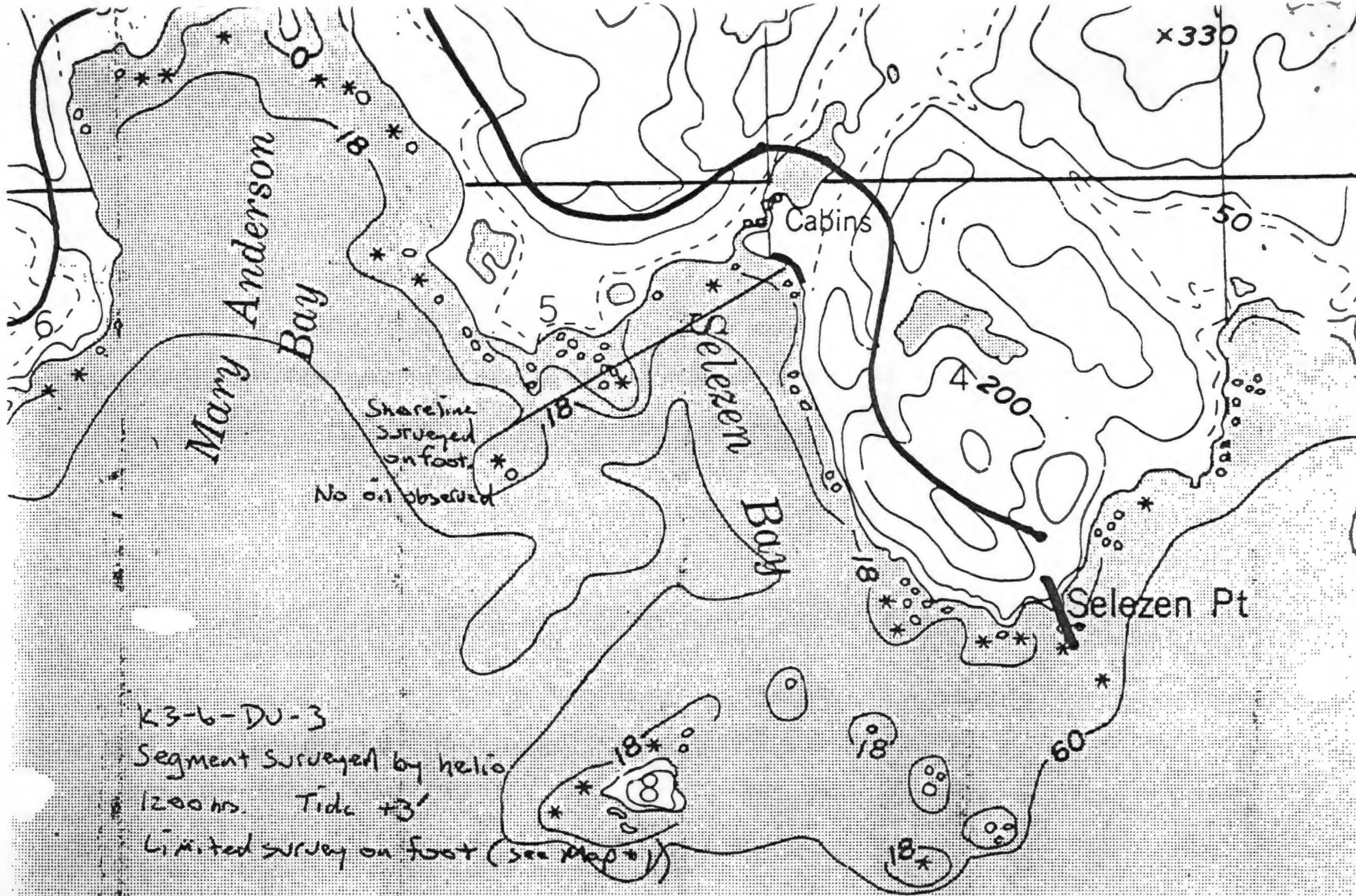
Observer(s) Ludwig

Time survey started 1145 Time survey ended 1345

Cultural resource considerations/restraints:

Only one of the beaches was surveyed by Fort. If cleanup becomes necessary on any of the other beaches, an archaeological survey must first be conducted.





ACE 6726161 -121

ANADROMOUS FISH OBSERVATIONS								
	PINK	CHUM	RED	KING	COHO	DOLLY		
Aerial								
Ground	present				present			

COMMENTS: unable To count fish. Sport fishermen present.

OIL OBSERVATIONS

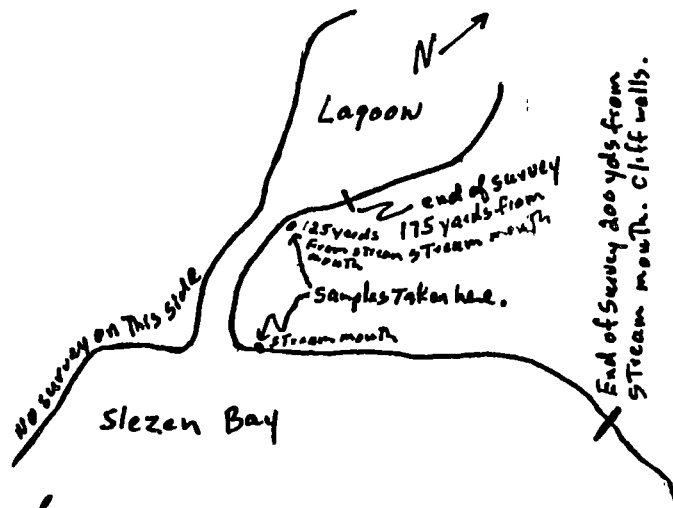
EXTENT OF OIL:

	WITHIN STREAM	OUTSIDE STREAM
SURFACE COVERAGE	—	—
SURFACE THICKNESS	—	—
PENETRATION	—	—

OIL DISTRIBUTION DIAGRAM (SHOW SAMPLING SITES)

PREDOMINANT SUBSTRATE TYPE:

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



COMMENTS: no oil observed.

Slezen Bay, Afognak Island

FISH HABITAT ASSESSMENT FORM

JEFF BARNHART
Randy Talu.

REGION: PWS KP, CI B, AP OBSERVER(S) Roger Dunbar

SITE NO. A4-4 AERIAL PHOTO NO. K1-12 CAT NO. 32 352-5110010

STREAM NAME _____ N LAT 58° 07' 54" W LONG 152° 24' 30"
0807-17

DATE 09/02/89 TIME 1445 TIDE: Low slack Flood High slack Ebb

CATALOGED ANADROMOUS STREAM? (Y) N ANAD. FISH FOUND? (Y) N

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

Sediment
OIL SAMPLES TAKEN? Y N ID NOS. A4-4-1H A4-4-1P A4-4-1mp
A4-4-2H A4-4-2P A4-4-2mp

35 mm PICTURES TAKEN? Y (N) ROLL NO(S) _____

EXPOSURE NO. _____ DESCRIPTION _____

VIDEO FOOTAGE TAKEN? Y (N) CASSETTE NO(S) _____

DESCRIPTION: _____

* Lat/Long Taken from pilots Aviation chart.

ACE 6726163+F/FF

ACE 6726164

A4-4

"Rite in the Rain"
ALL-WEATHER WRITING PAPER ©



ALL-WEATHER
LEVEL

Notebook No. 311-M

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Alaska Dept of Fish + Game Lab.
Kodiak, AK 486-5033

Kodiak Archipelago
Anadromous Fish Habitat
Assessment

ACE 6726165

ACE 6726166

1
Anadromous Fish Habitat
Assessment
Exxon Valdez Oil Spill

Date: 09/02/89

Site Number: A4-4

Location of sampling point:

Latitude - 58° 07' 54" N

Longitude - 152° 24' 36" W

Comments - Taken From pilot's
aviation chart.

Type of sample: Oil (single)
Sediment (one)

How many samples taken?
6 samples Taken.

ACE 6726167

21

Uncataloged AFS East shore Tonki Bay, Head of Bay

Stream Runs Eastward

Aerial add 500 more. above where

H. Thompson Roger stopped counting

upper reaches delineated via aerial surv.

58° 13' 42" N Lat

152° 07' 30" W Long

East side Tonki Bay 1 mile from head of
uncataloged Stream Bay.

166 Live

50 Live $\times 50 = 200$ live.

50 Dead

75 Dead

125 dead

Delphin Bay 1:10 pm PS, present in uncataloged

AFS Stream on East shore, PS in Lagoon

approx 200 + 100 swarms is approx 50-75 ps in

Lower Reach of Stream, 58° 20' 36" N Lat 152° 26' 54" W Long

Tried To stop at Pauls Bay could not land. Too
much gear on beach.

1335 stop MacDonalds Lagoon Izhut Bay

2:35 pm Depart MacDonalds Lagoon Izhut Bay

no video at this stop

Stream # 252-30-10080

Lat 58° 08' 48"

Long 152° 19' 00"

Site #

A 4-4

AFS 252-31-10010 25

2:45 pm ST-p Stezen Bay Kodiak mgmt Stream # 319

Depart Duck Bay 4 pm

ocean

X Bedrock
Boulder
cobble

Sand

Survey 200 yds

observed no oil

no SS no / no video

sample sediment

pump
sediment
samplesH →
sediment
samples

Survey end

Lagoon

A4-4-1 H

A4-4-2 H

A4-4-1 P

A4-4-2 P

A4-4-1 mp

A4-4-2 mp

Lat 58° 07' 54"

Long 152° 24' 36"

Site A4-5 Malina Creek at Shikofa Straights

Lat 58° 10' 24"

Stopped 4:35 Departed 5:35 pm

Long 153° 12' 36"

Start survey 4:40

Sample Time 5:15 pm

land Kodiak

pick up dead oil eat bird

Depart 6:00 pm

AFS 251-10-10050

JFB

ACE 6726168

ACE 6726169

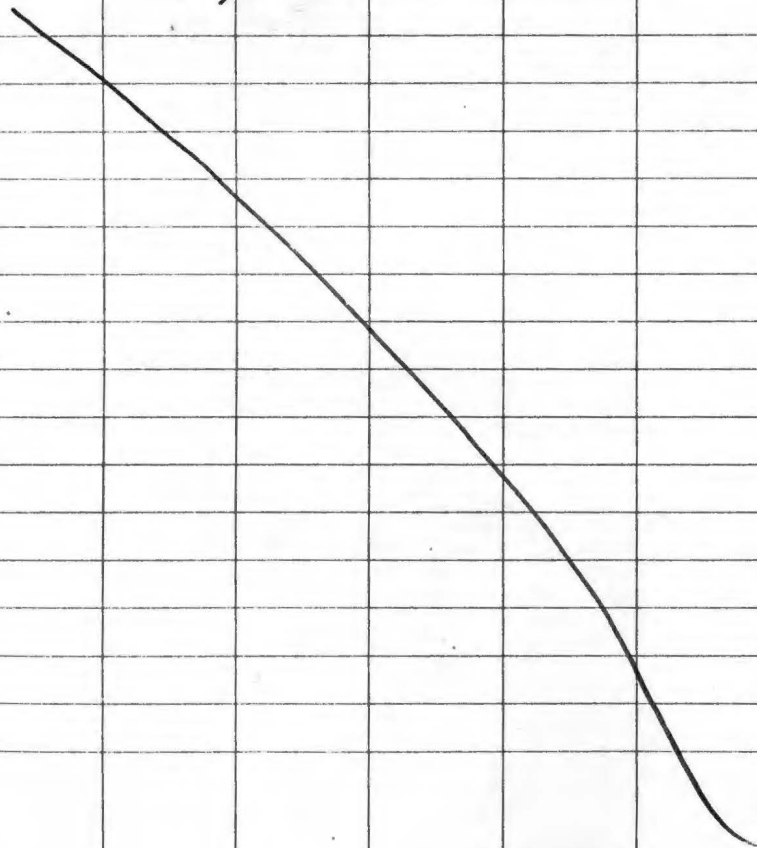
~~2500~~ ^{TV} A4-4
2:50 pm 4:00

(10)

Shore line

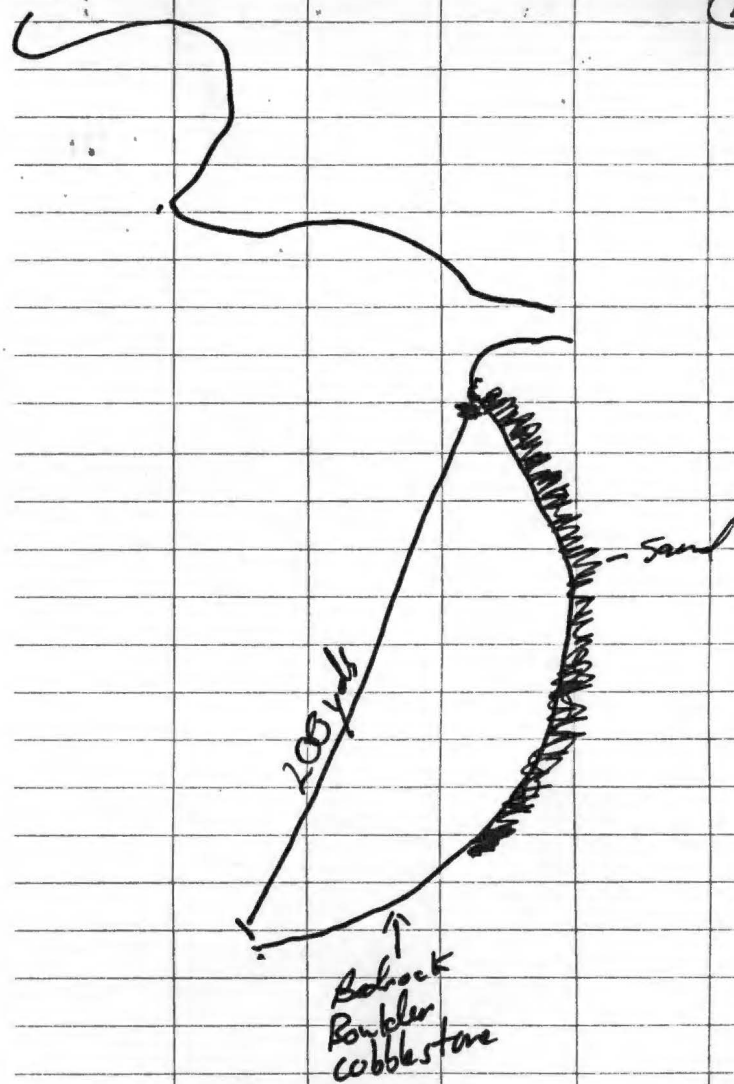
Cobblestone, boulders, bedrock, sand

Oil spatters^{rs} on bedrock near
H.T.L. Very old Black oil



ACE 6726170

(10)



ACE 6726171

2

Volume of samples taken:
Approx 250 ml each.

Date and Time of collection:
09/02/89 1513

List of sample identification numbers:

A4-4-1H A4-4-1MP

A4-4-2H A4-4-2MP

A4-4-1P

A4-4-2P

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3

Description of sampling point and sampling methodology:

A4-4-1H and A4-4-2H were Taken
125 yards from stream mouth.

A4-4-1P and A4-4-1MP were
A4-4-2P A4-4-2MP were
both Taken at stream mouth

Methodology. Samples were Taken from
The surface using a sterile Tongue
blade. Disposable rubber gloves were
worn.

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or
#4

References (Maps, photographs, Video)

Kodiak Area Salmon District map

Field Observations:

No oil observed.

Jeff Banhart
9/2/89

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