ADF&G MULTI-ASSESSMENT FORM
1991 GENERAL ENTRY CHECKLIST

STREAM#: 2622010020
SEGMENT: HB005

 DATE PRINTED: 07/25/91

LOCATION: HALLO BAY

SURVEY TYPE: 90 PRE SCREEN - SS METHOD: GROUND

DATE: 04/27/90 TEAM RECORDER: WEISS

START TIME: 0820 OBSERVERS: BARNHART
END TIME: 0900

TIDES: EBB AGENCY: FG
OG/HAB DISCREPANCIES: -

PHOTOS TAKEN: Y

STATION: 2622010020 ROLL#: 90EWW002K
FRAME: 33-34

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/VL OIL ON BEACH BY MOUTH: Y

WAVE EXPOSURE: LOW SHORELINE TYPE: LAGOON

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

GRAVEL 50 SAND 50 MUD/SILT -0- GRANULE -0-

ANADROMOUS FISH PRESENT: - N

SPECIES:	COUNT:
-0-	-0-
-0-	-0-
-0-	-0-
-0-	-0-
-0-	-0-

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST

DATE PRINTED: 07/26/91

STREAM# : 2622010020
SEGMENT#: HB005

SURVEY TYPE : 90 PRE SCREEN - SS
LOCATION: HALLO BAY
DATE: 04/27/90
TIMES: 0820 - 0900
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- AS

COMMENTS:
FOUND 1 2" MOUSSE PATTY (WEATHERED) AND 1 PIECE OILED DRIFT ON BACK SIDE OF LAGOON NORTH OF HOOK CREEK. WOLF TRACKS (1). RECOMMEND NO ANADSSAT.

90 PRESCREEN

156.925

ADF&G MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: BS (SS) DS TS AVS SCHA MMHS PTA

2 REGION: PWS KP,CI K,(AP)

METHOD: Aerial (Ground) Boat

3 DATE: 4/27/90

4 START TIME: 0820

5 STOP TIME: 0900

6 SEGMENT #: HB005

7 STATION #:

8 K-UNIT: K0919

9 STAT AREA:

10 LAT:

11 LONG:

12 SOURCE: Map Loran

13 LOCATION:

14 DESCRIPTION:

15 HIGH TIDE TIMES: /

16 HIGH TIDE HTS: /

17 LOW TIDE TIMES: 1054 /

18 LOW TIDE HTS: -3.9 /

19 TIDE HT AT SURVEY:

(Ebb) Slack Flood Slack

20 USCG QUAD:

21 TEAM RECORDER: E. WEISS

22 OBSERVERS: J. BARNHART

23 AGENCY: ADF+G

24 PHOTOS TAKEN: X N

Roll #: 90EWW 002-K Frame: 33 & 34

25 VIDEO TAKEN: Y X TAPE#:

Start: End:

26 SAMPLES TAKEN? Y X Number

Oil

Sediment

Biological

Water

EXTENT OF OIL

	SHORELINE L	SHORELINE W	SHORELINE M²	SHORELINE %	STREAM L	STREAM W	STREAM M²	STREAM %
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 50 Sand 50 Mud/silt

36 CATALOGED ANAD. FISH SREAM? X N

37 CATALOG #: 262-20-10020

38 STREAM NAME: HOOK CREEK

39 OIL IN STREAM BED? Y X

40 OIL ON STREAM BANKS? Y X

41 OIL ON BEACH ADJACENT TO MOUTH? X N (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
NON	observed	

COMMENTS: FOUND 1 2" MOUSSE PATTY (WEATHERED) & 1 PIECE OILED DRIFT ON BACK SIDE OF LAGOON NORTH OF HOOK CREEK. WOLF TRACKS (1).

+/F/HF
ACE 1951589

RECOMMEND: NO ANASSAT

E. Weiss Jeff Barnhart

90 PRESCREEN

156.925

ADF&G MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: BS (SS) DS TS AVS SCHA MMHS PTA

2 REGION: PWS KP,CI K,(AP)

METHOD: Aerial (Ground) Boat

3 DATE: 4/27/90

4 START TIME: 0820

5 STOP TIME: 0900

6 SEGMENT #: HB005

7 STATION #:

8 K-UNIT: K0919

9 STAT AREA:

10 LAT:

11 LONG:

12 SOURCE: Map Loran

13 LOCATION:

14 DESCRIPTION:

15 HIGH TIDE TIMES: /

16 HIGH TIDE HTS: /

17 LOW TIDE TIMES: 1054 /

18 LOW TIDE HTS: -3.9 /

19 TIDE HT AT SURVEY:

(Ebb) Slack Flood Slack

20 USCG QUAD:

21 TEAM RECORDER: E. WEISS

22 OBSERVERS: J. BARNHART

23 AGENCY: ADF+G

24 PHOTOS TAKEN: X N

Roll #: 90EWW 002-K Frame: 33 & 34

25 VIDEO TAKEN: Y X TAPE#:

Start: End:

26 SAMPLES TAKEN? Y X Number

Oil

Sediment

Biological

Water

EXTENT OF OIL

	SHORELINE L	SHORELINE W	SHORELINE M²	SHORELINE %	STREAM L	STREAM W	STREAM M²	STREAM %
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

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40 OIL ON STREAM BANKS? Y X

41 OIL ON BEACH ADJACENT TO MOUTH? X N (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
NON	observed	

COMMENTS: FOUND 1 2" MOUSSE PATTY (WEATHERED) & 1 PIECE OILED DRIFT ON BACK SIDE OF LAGOON NORTH OF HOOK CREEK. WOLF TRACKS (1).

+IFIHF
ACE 1951589

RECOMMEND: NO ANADSSAT

E. Weiss Jeff Barnhart

45 PHOTOLOG

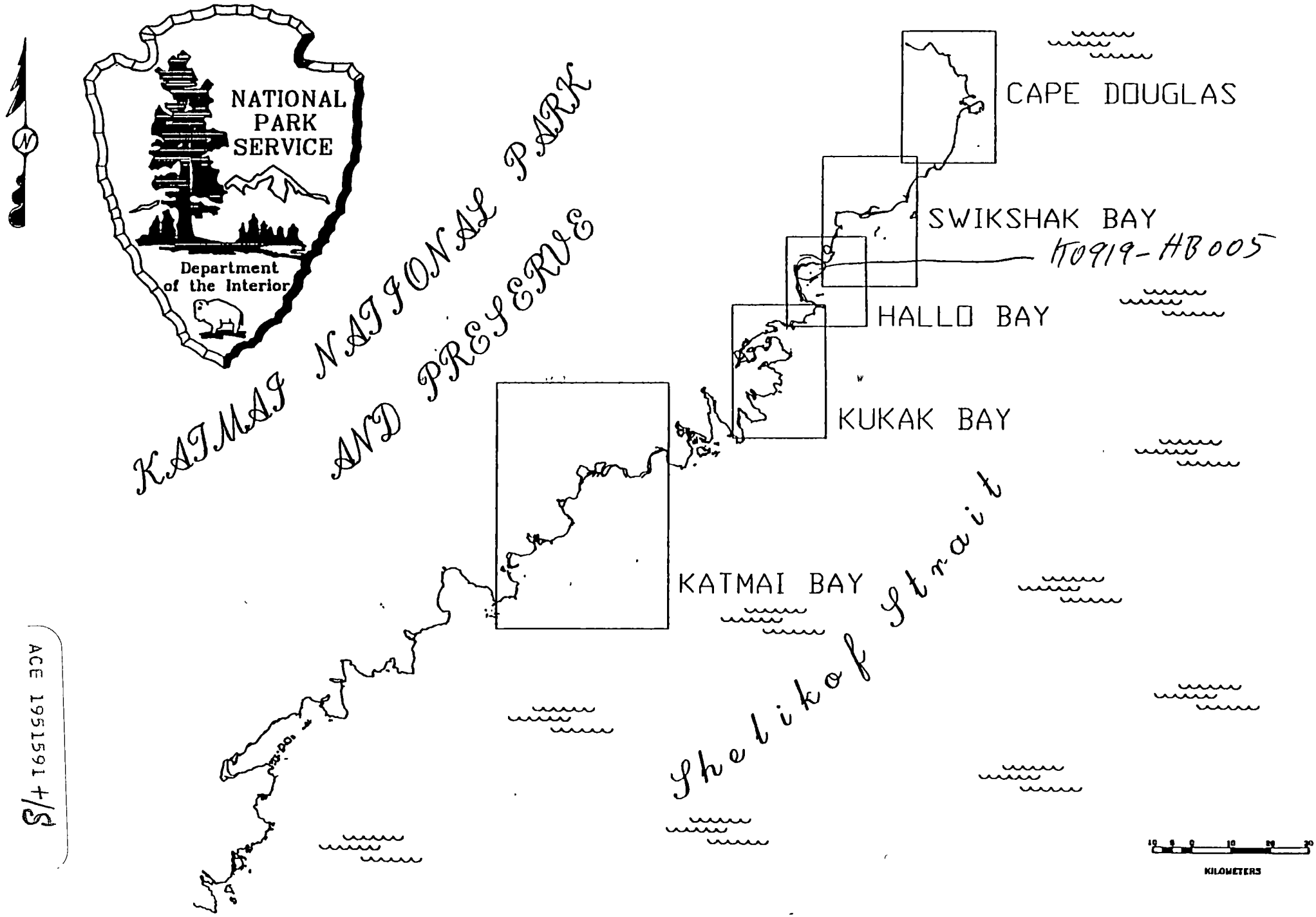
FRAME(S)	DESCRIPTION
34	AERIAL OF STREAM MOUTH

46 OIL DISTRIBUTION DIAGRAM

= Sample taken

= Photo frame # and shot direction.

ACE 1951590



ACE 1951591 +/S

National Park Service

Shoreline Oil Assessment

Observer: WILL TROYER Zone: MODIFIED Segment #: KO919-HB005

Date: May 3, 1990 Place: HALLO BAY

Time: 1350 to 1940 Tide Height: +6 to +5 Segment Length: 9600 meters

Weather: cloudy to sunny fog rain windy

Observations from: ground vessel helicopter

Upland Description: bedrock rubble alluvial fan grass forest alders/willows marsh lagoon pond bluff

Upland Slope Angle: low to medium high vertical

Intertidal Slope Angle: low to medium high vertical

Wave Exposure: low medium high Wave Type: swell cresting breaking none

Length of Beach: 9600 meters Width: 50-150 meters

Impacted Area (length)

Total length of impacted area: 50 meters

Wide: >6 m and >50% oil cover.....meters

Moderate: 3 m to 6m and 10% to 50% oil cover.....meters

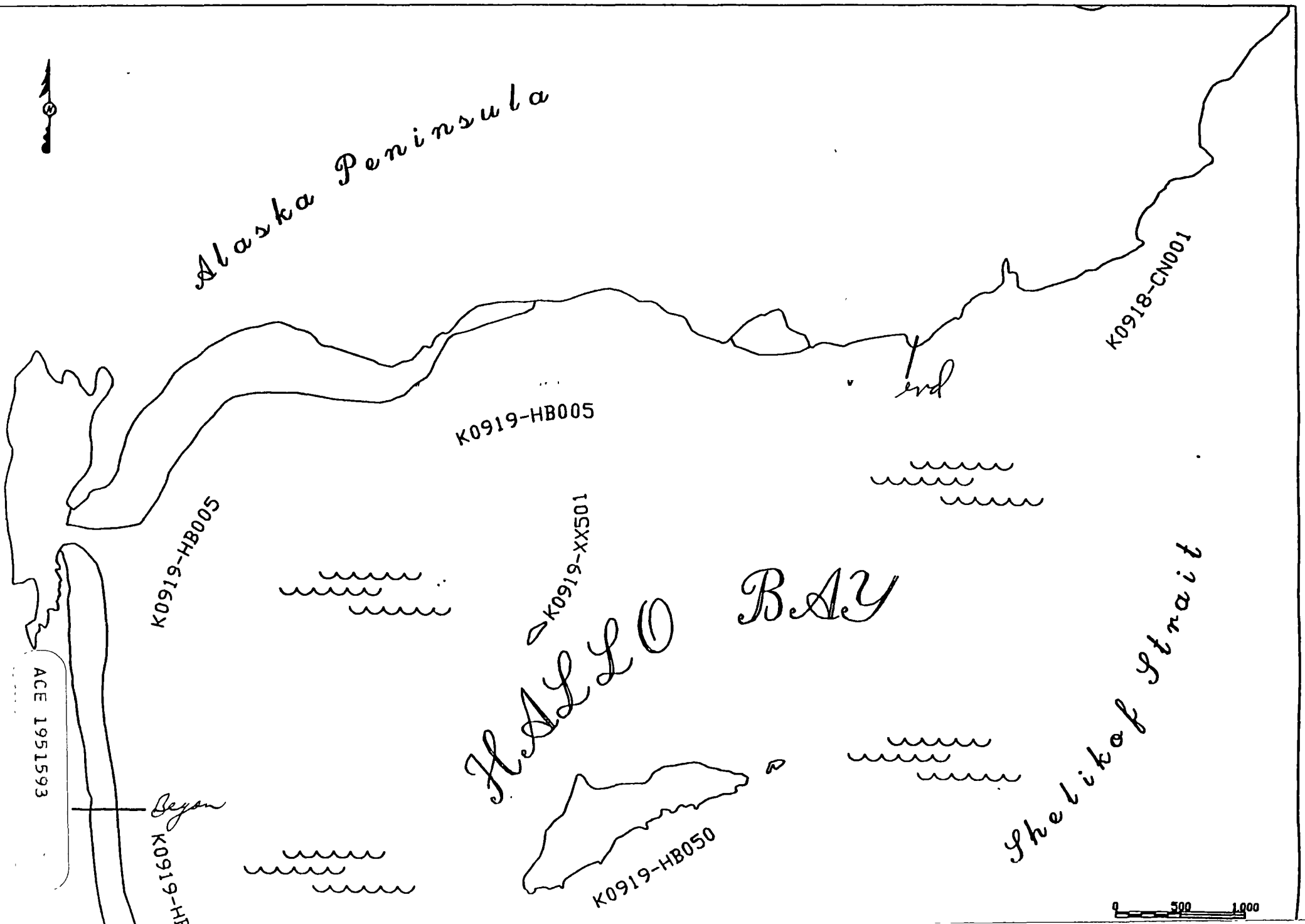
Narrow: <3m and >10% oil cover.....meters

Very Light: <10% oil cover regardless of width (splatters) 50 meters

Subsurface Oil Assessment

Pit #	Oil Type	Matrix Size	Intertidal Pit Location	Oiled Depth Interval	Pit Depth	% Sediment Saturatio
1	Dug numerous pits in the sand but					
2	found no oil					
3						
4						
5						
6						
7						
8						

ACE 1951592


Alaska Peninsula
K0918-CN001
end
K0919-HB005
K0919-HB005
K0919-XX501
HALLO BAY
Shelikof Strait
ACE 1951593
Begin
K0919-HB050
0
500
1000

Supratidal Observer: WILL TROYER Segment #: HO.919 – HB005A

Substrate	%	oil type	continuous	broken	patchy/numerous	spars
bedrock	20	asphalt				
		pooled				
boulder	15	cover				
		coat				
cobble	10	stain				
		mousse				
pebble	10	patties				
		tarballs				
sand	35	sheen				
		logs				✓
silt/mud	10	plastic				
		dead algae				
:nics		dead wildlife number and type				

Upper Intertidal

Substrate	%	oil type	continuous	broken	patchy/numerous	spars
bedrock	10	asphalt				
		pooled				
boulder	30	cover				
		coat				
cobble	10	stain				✓
		mousse				
pebble	10	patties				
		tarballs				
sand	40	sheen				
		logs				
silt/mud		plastic				
		dead algae				
organics		dead wildlife number and type				

ACE 1951594

Biological Assessment Of Oil Impacted Area

Observer: Will Troyer Segment #: KO919-HB005

Intertidal Organism	Dense	Moderate	Sparse	Rare	Juvenile	Mortality
Barnacles		✓				
Mussels			✓			
Littorina		✓				
Nucella			✓			
Limpets		✓				
Amphipods		✓				
Isopods				✓		
Echinoderms				✓		
Fucus		✓				
Other Algae		✓				

Marine Mammal Observations: none

Terrestrial Mammal Observations: saw two bear, numerous fox tracks, moose tracks,

Bird Observations: oyster catcher, 4 mallards, 2 pintail, green winged teal one bald eagle nest, Glaucous winged gulls Ravens

General Observations:

This area is relatively free of oil a few stain on logs were found in the begin of the segment and also a few splatter on the end of the segment no work any cleanup effort

ACE 1951595

ASSESS.OIL\FORMS.SAT

Middle Intertidal Observer: Will Troyer ..... Segment #: 10.919-HB005

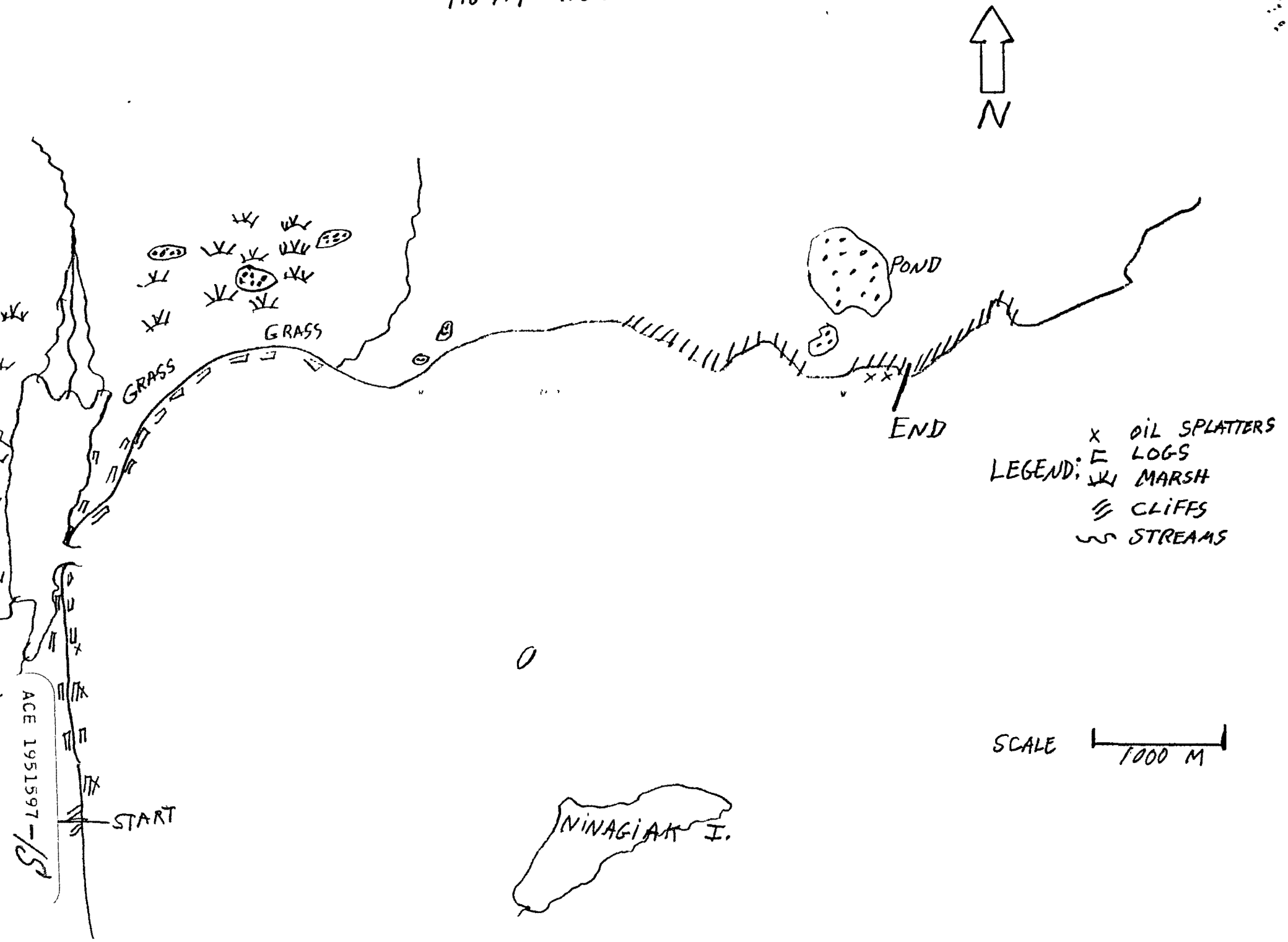
Substrate	%	oil type	continuous	broken	patchy/numerous	sparse
bedrock	5	asphalt				
		pooled				
boulder	25	cover				
		coat		no oil		
cobble	10	stain				
		mousse				
pebble	15	patties				
		tarballs				
sand	45	sheen				
		logs				
silt/mud		plastic				
		dead algae				
organics		dead wildlife number and type				

Lower Intertidal

Substrate	%	oil type	continuous	broken	patchy/numerous	sparse
rock	5	asphalt				
		pooled				
boulder	20	cover				
		coat	no oil			
cobble	10	stain				
		mousse				
pebble	10	patties				
		tarballs				
sand	45	sheen				
		logs				
silt/mud	10	plastic				
		dead algae				
organics		dead wildlife number and type				

ACE 1951596

K0919 – HB005


N
GRASS
GRASS
POND
END
START
NINAGIAK I.
LEGEND:
OIL SPLATTERS
LOGS
MARSH
CLIFFS
STREAMS
SCALE
1000 M
ACE 1951597 – 15

SEGMENT INSPECTION RECORD

ADEC # K9-19

Shoreline Segment:

Yards Signed Off

Shoreline Treatment Process(es) Completed for this Segment

- [ ] Hot water wash
- [ ] Warm water wash
- [ ] Water deluge
- [ ] Mechanical
- [X] Non-mechanical
- [ ] Other

Exxon

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

Exxon Comments

Signature _____ Date 8/31/89 Time 1600

Printed Name Jim Wade

Existing Shoreline Condition As Visually Determined by USCG

Surface Oil

Percent	Degree of Oiling
5	Heavy
10	Medium
15	Light
80	Very Light
100%	

Subsurface Oil

[X] Yes [X] No

Comment Below

Reassessment

[ ] Yes - Necessary

[X] 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

[X] Yes [ ] No

Comment Below

Reassessment

[X] Yes - Necessary

[ ] No - Not necessary unless re-oiled

ADEC Rep

Comments This ~~beach~~ Island was inspected from the air. The NPS repre-

Signature Clarke A Pelz Date 8-22-89 Time 7 PM

Printed Name Clarke A Pelz

FOSC Rep

Demobilization approved/disapproved

Comments Inspected with NPS, ADEC & Exxon Rep. See Comments on Reverse

Signature _____ Date 8-22-89 Time 1710

Printed Name D.M. Mahoney

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

ACE 1951598 +/S

8/9/89
ABS

(version 5/02/89)

SHORELINE CLEANUP PROGRAM

DATE 8/05/89 SHORELINE SEGMENT K9-19-HB-5

LOCATION: (see enclosed map) Northern Hallo Bay

ADEC NO. _____ SHORELINE ASSESSMENT DATE: 8/05/89

Recommended Cleanup Activity(ies):

-No cleanup recommended due to the very light, highly sporadic nature of the oiling. Subject to FOSC reassessment at a later date.

Priorities/Considerations:

Ecological Constraints (from site survey):

Archaeological Constraints (from site survey):

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

J. David McMahon Date: 8/7/89
State Historic Preservation Officer *

EXXON: _____ Date: _____

FOSC: _____ Date: _____

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

ACE 1951599

SHORELINE OIL EVALUATION

General

.Date: 5 Aug 89 2. Time: 1230 1540 3. Observer: Duncan M Fitzgerald

.Surveyed From: Foot/Boat/Helio/Plane 5. Weather: Sun/Cloud/Rain/Snow/Fog

.Location Nonnen Neck Bay 7. Segment #: K-9-19-HB-5

.Length of shoreline segment: 11,100 yds 9. Tidal Stage ± _____ ft.

0. Access: Foot/Vehicle/Boat/Barge/Helio/Float Plane

1. Total Percentage of Segment Accessible: 95 %

2. Access Restrictions: difficult at some headland regions

Shoreline

13. Shoreline Type: SPI/BEA/COV/HLD/STRT/CLF/DAF

14. Slope: LANG/HANG/VERT

15. Wave Exposure: High/Med/Low

16. Sediment: B 15 % / C 20 % / P 15 % / G 10 % S 30 % / M __ % / R 10 %

17. Drift Debris on Beach: Yes/No Supra/Upper/Mid/Lower Type deadwood and seaweed

Oil Summary

18. Degree of Oiling: Heavy/Moderate/Light/Very Light/No Oil Observed

19. Area of Beach Impact: Width of Band: 1-2 yds
Continuous: Total % of Segment 0
Sporadic: Total % of Segment 25
No Oil: Total % of Segment 75

20. Est. Oil Thickness where >1in: — in 21. Est. Oil Penetration: — in

22. Pooled Oil: ____ % "Free" Oil: ____ % Coated: H ___ % / M ___ % / L 100 %

23. Fresh _____ % Mousse 1 % Tar Formation: 100 %

24. Drift Debris Oiled? Yes/No Sup/Up/Mid/Low Amount: _____ H/M/L

Comments: Most of this shoreline is free of oil and the areas that do have oil, the condition is very light and sporadic. At the eastern end of the segment the oiling consists of tar splat on boulders and very sporadic mousse patties. Along the southern beach very sporadic tar balls were found along the storm high tide and spring high tide drift line. Due to the lack of oil in this area, no cleanup is recommended.

SEE PAGE 2 FOR SUPPLEMENTAL INFORMATION

ACE 1951600

SUPPLEMENTAL SHORELINE OIL EVALUATION

.Oil Type

Fresh		%
Mousse		%
Weathered	2	%
Tar	98	%
	100	%

26. Total Oil Coverage

	Length(yd)	Width (yd)
Very Light:	2000 yd	1-2 yd
Light:		
Moderate:		
Heavy:		

'. Oil Distribution

	SP	H	M	M	Thick >1in	Length(yd)	Width(yd)	Burial Depth
ooled/continuous								
oating/ splat	✓	✓				500	1-2 yd	
acks / crevices								
atties (>10cm diameter)								
ills (< 10cm diameter)	✓	✓				1500	1 yd	
sphalt pavement								

8. Preliminary Cleanup Est. NO Cleanup recommended

otal TYPE A: _____ yds.
otal TYPE B: _____ yds.
otal TYPE A/B: _____ yds.

9. Remobilization Potential: High/Medium/(Low)

OCUMENTATION:

ap/Aerial photo marking segment boundaries See Attached

TR: Y/(N) Tape Number (s) _____

hotography: (Y)/N Roll Number (s) DMC-27

dditional Comments:

ACE 1951601

ECOLOGICAL EVALUATION

LOCATION: NORTHERN HALLO BAY SITE: _____ OBSERVER: D. McCORMICK

LOCATION PREFIX: K-9-19-HB SEG. NO.: 5 LENGTH: 11,100 (M)

DATE: 8/6/89 TIME (HHMM): 1230 TIME HT.: +1.0 Ft. (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: Kelp beds of Laminaria, Nereocystis, Ulva, Endocladia, Phyllospadix. Aurelia, Cyanea jellyfish. Shells of Tresidomus, Clinocardium. Dungeness crabs, razor clams. Major salmon stream (pinks/chum). Extensive clam beds

CLEANUP PRECAUTIONS: None since no cleanup is recommended

MAMMALS: Otters ____ Harbor Seals ____ Sea Lions ____ Whales ____
Other Fox, 5 Ursus arctus

BIRDS: Pair of eagles (+1 bird one on nest - adult - not oiled), Yellowlegs

GENERAL OBSERVATIONS: Oil occurs here as very light splatter or oily debris in the upper zone with an occasional mousse patty. Due to very sensitive bear habitat and light oil conditions no cleanup is warranted

ACE 1951602

(version of 4/29/89)

CULTURAL RESOURCE EVALUATION

Date 5 August 1989 Location Hallo Bay Site North side

Location Prefix K-9-19 ~~[illegible]~~ Segment # HB-5 Length 11,100 yds

Survey Method:

Air 100 % (A - indicate on map) Boat _____ (A - indicate on map)

Ground 100 % (G - indicate on map)

Known cultural resources (AHRS #) none Data Source AHRS + NPS files

Oil conditions/beach visibility very light

Width of beach zone surveyed 10-60 m Tree fringe surveyed 0-10

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 backshore low to vertical; foreshore low to moderate

Fresh Water Sources Ninagizik River

Sea Exposure mainly open to east + southeast

Access/Safety variable, depending on conditions; river bar, tidal flats + sand beaches

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 # DNA 10 Frames 30-38

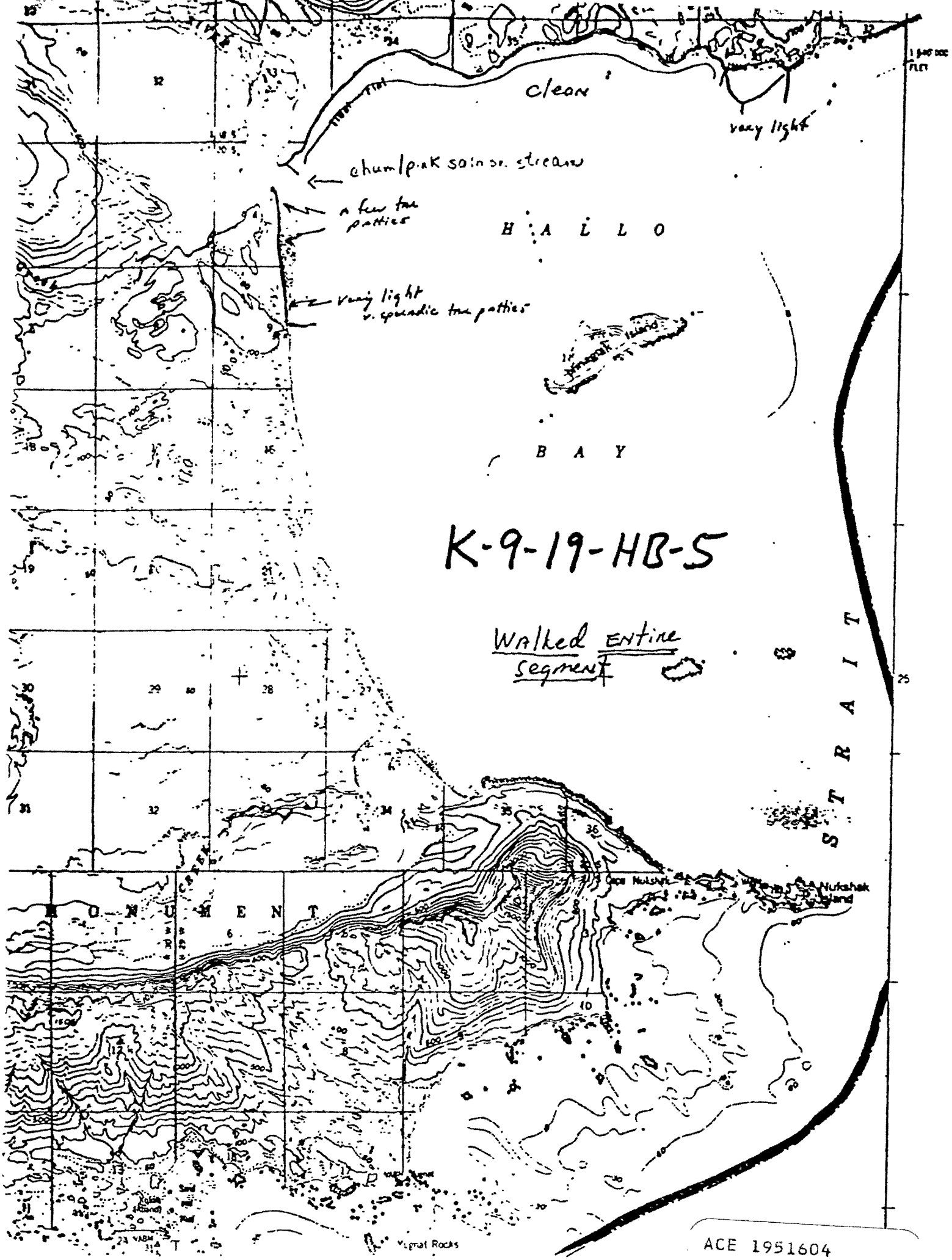
Observer(s) D.W. ABBOTT

Time survey started 12:14 Time survey ended 15:44

Cultural resource considerations/restraints:

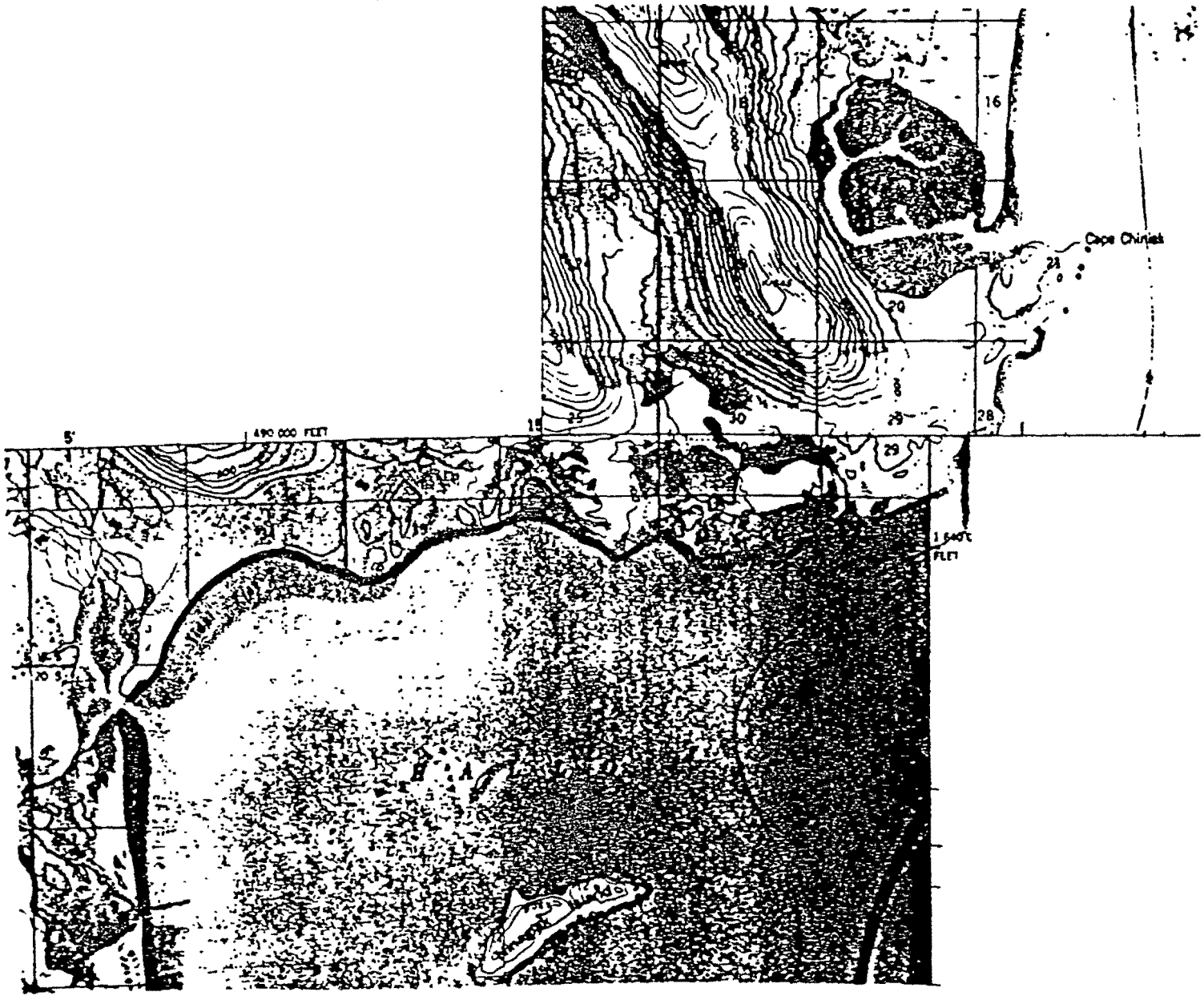
standard constraints

ACE 1951603


clear
very light
chum/pink salmon stream
a few tree patches
very light
v. sporadic tree patches
H A L O
B A Y
K-9-19-HB-5
Walked entire segment
STRAIT
MONUMENT
Nukshak Island
Virgin Rocks

ACE 1951604

K-9-19-HB-S



No oil observed
V. Light
Light
Moderate
Heavy

-1L1HF
ACE 1951605