

ADF&G MULTI-ASSESSMENT FORM
1991 GENERAL ENTRY CHECKLIST



STREAM#: 2436010180
SEGMENT: -0-

PAGE 39

DATE PRINTED: 06/21/91

LOCATION: KAMISHAK BAY, FORTIFICATION BLUFF, WEST END

SURVEY TYPE: 90 PRE SCREEN - SS

METHOD: GROUND

DATE: 04/13/90

TEAM RECORDER: HILL

START TIME: 1215

OBSERVERS: MCLANE DUDIAK

END TIME: 1223

OG/HAB DISCREPANCIES: -

AGENCY: FG

PHOTOS TAKEN: Y

STATION: 2436010180

ROLL#: 90DDH003H

FRAME: 10-12

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 ²⁰ -0- VEGETAT -0-

GRAVEL 80 SAND -0- MUD/SILT -0- GRANULE -0-

ANADROMOUS FISH PRESENT: N

SPECIES: -0-

COUNT: -0-

-0-

-0-

-0-

-0-

-0-

-0-

-0-

-0-

ACE 10493970 +1/SP

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST



PAGE 46

DATE PRINTED: 06/21/91

STREAM# : 2436010180
SEGMENT#: -0-

SURVEY TYPE : 90 PRE SCREEN - SS LOCATION: KAMISHAK BAY, FORTIFICATION
DATE: 04/13/90 BLUFF, WEST END
TIMES: 1215 - 1223 TEAM RECORDER: HILL

-- 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-	NO OIL NOT AVAIL

COMMENTS:

NO OIL OR OILED DEBRIS OBSERVED. HOWEVER, WE WERE UNABLE TO SURVEY ENTIRE BEACH DUE TO ITS BEING PARTIALLY COVERED WITH SNOW. SIMILARLY, WE WERE UNABLE TO SURVEY THE STREAM BANKS TO THEIR BEING ENTIRELY BURIED BY SNOW. DID NOT SURVEY ENTIRE 1 MILE ON EITHER SIDE OF STREAM MOUTH DUE TO GEOGRAPHICAL CONSTRAINTS & TIME CONSTRAINTS. NO ANADSCAT ANTICIPATED. SURVEY NOT COMPLETED DUE TO SNOW ON BEACH.

SITE 16-2 of 1989 NEHA



ASC NUMBER: 243-60-10180

SEGMENT NUMBER:

YR CATALOGED: 1990

LOCATION: ~~XXXXXXXXXXXXXXXXXXXX~~ Kamishak Bay, West End Fort Bluff

STREAM NAME:

LATITUDE:

ADIAK K-UNIT: .

LOCAL STREAM #:

LONGITUDE:

USGS QUADRANGLE:

LEGAL:

SHORELINE TYPE:

ALL SEGMENTS:

WAVE EXPOSURE:

ASC NUMBER:

TEAM RECORDER:

SURVEY TYPE:

OBSERVERS:

METHOD:

AGENCY(IES):

DATE: 4/13/90

PHOTOS TAKEN?

START TIME: 1215

Roll #: 9000H03H

Frames: 10-13

STOP TIME: 1223

VIDEO TAKEN?

Tape Number:

Counter Start:

SAMPLES TAKEN?

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: None observed

OIL IN STREAM CHANNEL?

OIL ON BEACH WITHIN 50M OF STREAM MOUTH?

SUBSTRATE

Bedrock	Granule
Boulder	Sand
Cobble	Silt
Pebble	Veget.

SPECIES					
COUNT					

COMMENTS:

Site 16-2 of 1989 AFHA

ACE 10493972 H/S

Group B

Prescreening

ADF&G MULTI-ASSESSMENT DATA FORM

SURVEY TYPE: BS DS TS AVS SCHA MMS PTA 2 REGION: PWS KP, CI K, AP

METHOD: Aerial Ground Boat *corrected Seldovia tide for Iliamna*

DATE: 4/13/90 HIGH TIDE TIMES: 1745 TEAM RECORDER: Doug Hill

START TIME: 1215 HIGH TIDE HTS: 13' OBSERVERS: S. McLane, R. Dudlak

STOP TIME: 1223 LOW TIDE TIMES: 1421 AGENCY: ADF: G

SEGMENT #: LOW TIDE HTS: 13' PHOTOS TAKEN: N

STATION #: TIDE HT AT SURVEY: low ROTT #: 90 504 007 From: 10, 11, 12

K-UNIT: Ebb Slack Flood Slack VIDEO TAKEN: N TAPE#: _____

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

LAT: 59° 25.2' LONG: 153° 51' W SAMPLES TAKEN: N Number

SOURCE: Map Loran OIL _____

LOCATION: Kamishak Bay Sediment _____

DESCRIPTION: West End Fortification Bluff Biological _____

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		

36 CATALOGED ANAD. FISH STREAM? N

37 CATALOG #: _____

38 STREAM NAME: _____

39 OIL IN STREAM BED? N Buried in snow
None observed

40 OIL ON STREAM BANKS? N Buried in snow
None observed

41 OIL ON BEACH ADJACENT TO MOUTH? N
(within 50 meters) snow covered

42 OIL WITHIN 1 MILE OF STREAM? N ?

33 OILED DEBRIS? N

34 SHORELINE TYPE: Headland Low-lying Rocks Beach Cove
Lagoon Marsh

34 WAVE EXPOSURE: High Moderate Low

35 SUBSTRATE TYPE: Bedrock Boulder Cobble 20
Gravel 80 Sand Mud/silt

43 ANADROMOUS FISH PRESENT? N

44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground

ACE 10493973

COMMENTS: No oil or oiled debris observed, However, we were unable to survey entire beach due to its being partially covered with snow. Similarly, we were unable to survey the stream banks to them being entirely buried with snow. Did not survey entire 1/2 mile ~~to the~~ on either side of stream mouth due to geographical constraints or Time Constraints

ASC NUMBER: 243-60-10180

SEGMENT NUMBER:

YR CATALOGED: 1990

LOCATION: ~~XXXXXXXXXXXXXXXXXXXX~~ Kamishak Bay, West End Fort Bluff

STREAM NAME:

LATITUDE:

LONGITUDE:

LEGAL:

IAK K-UNIT:

LOCAL STREAM #:

USGS QUADRANGLE: Iliamna B-4

SHORELINE TYPE: BEACH

ALL SEGMENTS:

WAVE EXPOSURE: High

ASC NUMBER:

SURVEY TYPE: SS

METHOD: FOOT

DATE: 4/13/90

START TIME: 12:45

STOP TIME: 12:23

TEAM RECORDER: Doug Hill

OBSERVERS: Susan McLane, Norma Dudrah

AGENCY(IES): ADF&G

PHOTOS TAKEN? Y

Roll #: 90DDH003

Frames: 10, 11, 12

VIDEO TAKEN?

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: None observed

OIL IN STREAM CHANNEL? N

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? N

SUBSTRATE

Bedrock	Granule
Boulder	Sand
Cobble 20	Silt
Pebble 90	Veget.

SPECIES	None				
COUNT					

COMMENTS:

SEE Following PAGE 0 ->

ACE 10493975 + 15

Group B

ADF&G MULTI-ASSESSMENT DATA FORM

Prescreening

1 SURVEY TYPE: BS SS DS TS AVS SCHA MHHS PTA 2 REGION: PWS KP, CI K, AP

METHOD: Aerial Ground Boat corrected Seldovia tide for Iliamna

3 DATE: 4/13/90 15 HIGH TIDE TIMES: 1745 21 TEAM RECORDER: Doug Hill

4 START TIME: 1215 16 HIGH TIDE HTS: 13' 22 OBSERVERS: S. McLane, A. Dudiet

5 STOP TIME: 1223 17 LOW TIDE TIMES: 1421 23 AGENCY: ADF&G

6 SEGMENT #: _____ 18 LOW TIDE HTS: 1.3 24 PHOTOS TAKEN: Y N

7 STATION #: _____ 19 TIDE HT AT SURVEY: low Roll #: 90 004 003 Frame: 10, 11, 12

8 K-UNIT: _____ Ebb Slack Flood Slack 25 VIDEO TAKEN: Y N TAPE#: _____

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

10 LAT: 59° 25' 2 11 LONG: 153° 51' W 26 SAMPLES TAKEN? Y N Number

12 SOURCE: Map Loran Oil _____

13 LOCATION: Kamishak Bay Sediment _____

14 DESCRIPTION: West End Fortification Bluff Biological _____

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 80 Sand _____ Mud/silt _____

36 CATALOGED ANAD. FISH SREAM? Y N

37 CATALOG #: _____

38 STREAM NAME: _____

39 OIL IN STREAM BED? Y N Buried in snow
none observed

40 OIL ON STREAM BANKS? Y N Buried in snow
NONE OBSERVED

41 OIL ON BEACH ADJACENT TO MOUTH? Y N
(within 50 meters) snow covered

42 OIL WITHIN 1 MILE OF STREAM? Y N ?
Where: _____

43 ANADROMOUS FISH PRESENT? Y N

44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground
ACE 10493976		

COMMENTS: No oil or oiled debris observed, However, we were unable to survey entire beach due to its being partially covered with snow. Similarly, we were unable to survey the stream banks to them being entirely buried with by snow. Did not survey entire 1/2 mile ~~to the~~ on either side of stream mouth due to geographical constraints & Time Constraints

West End Fort, Bluff

FRAME(S)

DESCRIPTION

10

stream mouth

11 3. 12

aerial views of stream

46 OIL DISTRIBUTION DIAGRAM

No ~~ARADSCAT~~ Anticipated

Survey not completed due to snow on beach.

- Sample taken

- Photo frame # and shot direction.

ACE 10493977

ACE 1955657

West Side Cook Inlet

Faxed-Anch. 4/17/90

Group B

Prescreening

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: 4/13/90 15 HIGH TIDE TIMES: corrected Seldovia tide for Iliamna 1745 21 TEAM RECORDER: Doug Hill

4 START TIME: 1211 ^{DOH} 1223 16 HIGH TIDE HTS: 13' 1 22 OBSERVERS: S. McLane, R. Dudiet

5 STOP TIME: 1223 17 LOW TIDE TIMES: 1121 1 23 AGENCY: ADF & G

6 SEGMENT #: _____ 18 LOW TIDE HTS: 6.3 1 24 PHOTOS TAKEN: (Y) N

7 STATION #: _____ 19 TIDE HT AT SURVEY: low Roll #: 90 DOH 003 Frame: 10, 11, 12

8 K-UNIT: _____ Ebb Slack Flood Slack 25 VIDEO TAKEN: Y (N) TAPE#: _____

9 STAT AREA: 243-60 20 USCG QUAD: _____ Start: _____ End: _____

10 LAT: 59° 25' 2 11 LONG: 153° 51' W 26 SAMPLES TAKEN? Y (N) Number

12 SOURCE: Map Loran Oil _____

13 LOCATION: Kamishak Bay Sediment _____

14 DESCRIPTION: West End Fortification Bluff Biological _____

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	<u>(N)</u>						
33 SHORELINE TYPE:	Headland	Lagoon	Low-lying Rocks	Marsh	<u>Beach</u>	Cove		
34 WAVE EXPOSURE:	High	<u>Moderate</u>	Low					
35 SUBSTRATE TYPE:	Bedrock	Gravel <u>80</u>	Boulder	Sand	Cobble	Mud/silt		

36 CATALOGED ANAD. FISH SREAM? Y (N)

37 CATALOG #: Non-cataloged

38 STREAM NAME: _____


39 OIL IN STREAM BED? Y (N) Buried in snow
non observed

40 OIL ON STREAM BANKS? Y (N) Buried in snow
NONE observed

41 OIL ON BEACH ADJACENT TO MOUTH? Y (N) snow covered
(within 50 meters)

42 OIL WITHIN 1 MILE OF STREAM? Y (N) ?

Where: _____

43 ANADROMOUS FISH PRESENT?  (N)

44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground

ACE 10493978

COMMENTS: No oil or oiled debris observed, However, we were unable to survey entire beach due to its being partially covered with snow. Similarly, we were unable to survey the stream banks to them being entirely buried with snow. Did not survey entire 1/2 mile ~~to~~ on either side of stream mouth due to geographical constraints & Time Constraints

ACE 1955613

FRAME(S)

DESCRIPTION

10

stream mouth

11 3 12

area) views of stream

46 OIL DISTRIBUTION DIAGRAM

No. ~~ARADSCAT~~ Anticipated

Survey not completed due to snow on beach.

= Sample taken

= Photo frame # and shot direction.

ACE 10493979

-11/5/10/11

ACE 1955614

ADF&G MULTI-ASSESSMENT FORM
1991 GENERAL ENTRY CHECKLIST

10/2/91
DANE



STREAM#: 2436010180
SEGMENT:

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DATE PRINTED: 08/19/91

LOCATION: KAMISHAK BAY, FORTIFICATION BLUFF, WEST END

SURVEY TYPE: 89 AFHS - SS

METHOD: FOOT

DATE: 09/16/89

TEAM RECORDER: RANDALL

START TIME: 1500
END TIME:

OBSERVERS: GLENN

TIDES: Ebb
OG/HAB DISCREPANCIES:

AGENCY: FG

PHOTOS TAKEN: Y

STATION: 2436010180

ROLL#: 89RDR017H
FRAME: 03-04

VIDEO TAKEN: Y
START: 2997

TAPE#: 89LPG014H
END: 3260

SAMPLES TAKEN: N

SAMPLE NUMBERS:

OIL IN STREAM BED: N

OVERALL OIL IMPACT: N

OIL ON BEACH BY MOUTH: N

WAVE EXPOSURE: HIGH

SHORELINE TYPE: BEACH

SUBSTRATE TYPE: BEDROCK	BOULDER	COBBLE Y	VEGETAT
GRAVEL Y	SAND	MUD/SILT	GRANULE Y

ANADROMOUS FISH PRESENT: Y

SPECIES: PINK SALMON COUNT: 12

ACE 10493961 ^{H/F/S/D}

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST

PAGE 85

DATE PRINTED: 08/19/91

STREAM# : 2436010180
SEGMENT#:

SURVEY TYPE : 89 AFHS - SS
DATE: 09/16/89
TIMES: 1500 -

LOCATION: KAMISHAK BAY, FORTIFICATION
BLUFF, WEST END
TEAM RECORDER: RANDALL

-- OILING EXTENT --

SITE#	SITE TYPE	DEPTH (cm)	LENGTH (m)	WIDTH (m)	AREA (m)	%	THICK (cm)	PEN (cm)	OIL TYPE CODES
1									NONE

COMMENTS:

SITE 16-2. PINKS ABOUT 100 YARDS UPSTREAM FROM MOUTH. PRIMARY RUN ALREADY OVER.

ANADROMOUS FISH OBSERVATIONS

	PINK	CHUM	RED	KING	COHO	DOLLY		
28 Aerial								
29 Ground	12							

30 COMMENTS: sited Pinks about 100 yds upstream
from math. The main salmon run was already over.

OIL OBSERVATIONS

Site 16-2

EXTENT OF OIL:

	WITHIN STREAM	OUTSIDE STREAM
31 SURFACE COVERAGE		
32 SURFACE THICKNESS		
33 PENETRATION		

**34 OIL DISTRIBUTION DIAGRAM
(SHOW SAMPLING SITES)**

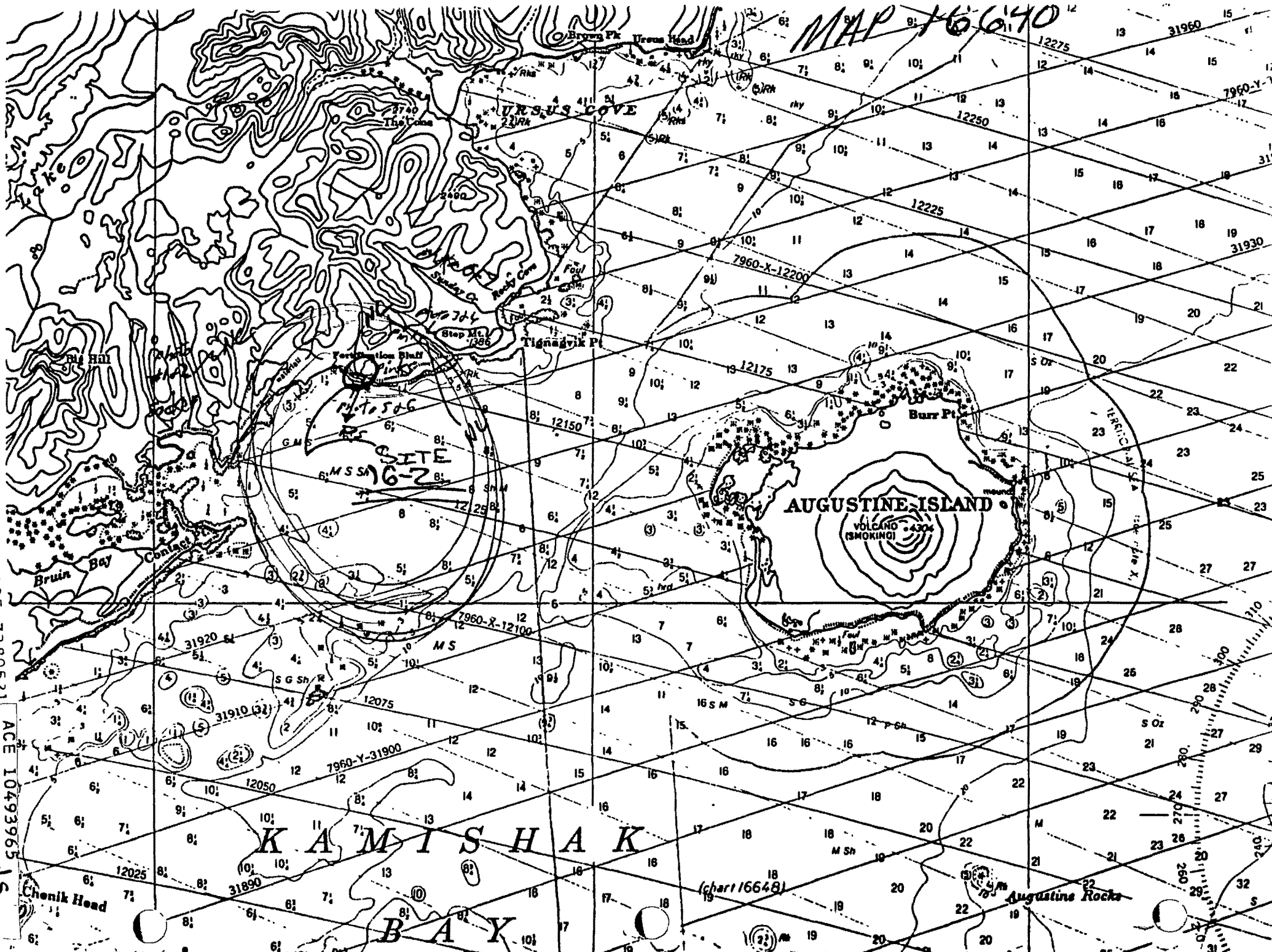
**35 PREDOMINANT
SUBSTRATE TYPE:**

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

36 COMMENTS: No oil found

ACE 10493964

MAP 16640



ACE 7380521
ACE 10493965

KAMISHAK

BAY

AUGUSTINE ISLAND

VOLCANO (SMOKING)

(chart 16648)

Augustine Rocks

Site 16-2

ASC NUMBER: 243-60-10180 SEGMENT NUMBER: YR CATALOGED:
 LOCATION: Kamishak Bay, West end Fortification Bluff
 NAME: LATITUDE: 59 25 15
 NAK K-UNIT: LOCAL STREAM #: LONGITUDE: 153 50 51
 USGS QUADRANGLE: Iliamna B-3 LEGAL: ?
 SHORELINE TYPE: Beach ALL SEGMENTS:
 WAVE EXPOSURE: High

ASC NUMBER: TEAM RECORDER: Rick Randall
 SURVEY TYPE: SS OBSERVERS: Lee Glenn
 METHOD: Foot AGENCY (IES): ADF46
 DATE: 9/16/89 PHOTOS TAKEN? Roll #: RDR-17 Frames: 3,4
 START TIME: 1500 VIDEO TAKEN? Tape Number: 89LP6014H
 STOP TIME: 0? Counter Start: 2997 -> 3200

SAMPLES TAKEN? N
 SAMPLE I.D. NUMBERS: 1. 2. 3.
 4. 5. 6.

	LENGTH m	WIDTH m	M2	t	THICK cm	PEN cm	OIL TYPE
SITE 1							
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: N
 OIL IN STREAM CHANNEL? N
 OIL ON BEACH WITHIN 50M OF STREAM MOUTH? N

SUBSTRATE

Bedrock	Granule ✓
Boulder	Sand
Cobble ✓	Silt
Pebble ✓	Veget.

SPECIES	Pinks				
COUNT	12				

COMMENTS: Pinks about 100yds upstream from mouth. Primary run already over.

ACE 10493966 +15

FISH HABITAT ASSESSMENT FORM

West end of Fortification Bluff, Kamishak Bay

1 REGION: 2 PWS 3 KP, CI 4 K, AP 5 OBSERVER(S) Lee Glenn
Rick Randall

6 SITE NO. 16-2 7 AERIAL PHOTO NO. 3, 4 8 CAT NO. NC

9 STREAM NAME 10 LAT 59.25.25 11 LONG 153.50.75

12 DATE 9/16/89 13 TIME 1500 14 TIDE: Low slack Flood High slack Ebb

15 CATALOGED ANADROMOUS STREAM? Y N 16 ANAD. FISH FOUND? Y N

17 OIL FOUND IN STREAM? Y N 18 OIL FOUND NEAR STREAM (1 MI.)? Y N

19 OIL SAMPLES TAKEN? Y N 20 ID NOS.

21 35 MM PICTURES TAKEN? Y N 22 ROLL NO(S) RDR-17

23 EXPOSURE NO.	24 DESCRIPTION
3	Aerial photo of Beach, mouth of stream & stream
4	same

25 VIDEO FOOTAGE TAKEN? Y N 26 CASSETTE NO(S) 89-LPG-014-H

27 DESCRIPTION: Ground footage stream mouth & stream and beach at mouth

ACE 7380519

ACE 10493967

ANADROMOUS FISH OBSERVATIONS

	PINK	CHUM	RED	KING	COHO	DOLLY		
28 Aerial								
29 Ground	12							

30 COMMENTS: sited Pinks about 100 yds upstream
from math. The main salmon run was already over.

OIL OBSERVATIONS

Site 16-2

EXTENT OF OIL:

	WITHIN STREAM	OUTSIDE STREAM
31 SURFACE COVERAGE		
32 SURFACE THICKNESS		
33 PENETRATION		

34 OIL DISTRIBUTION DIAGRAM
(SHOW SAMPLING SITES)

35 PREDOMINANT
SUBSTRATE TYPE:

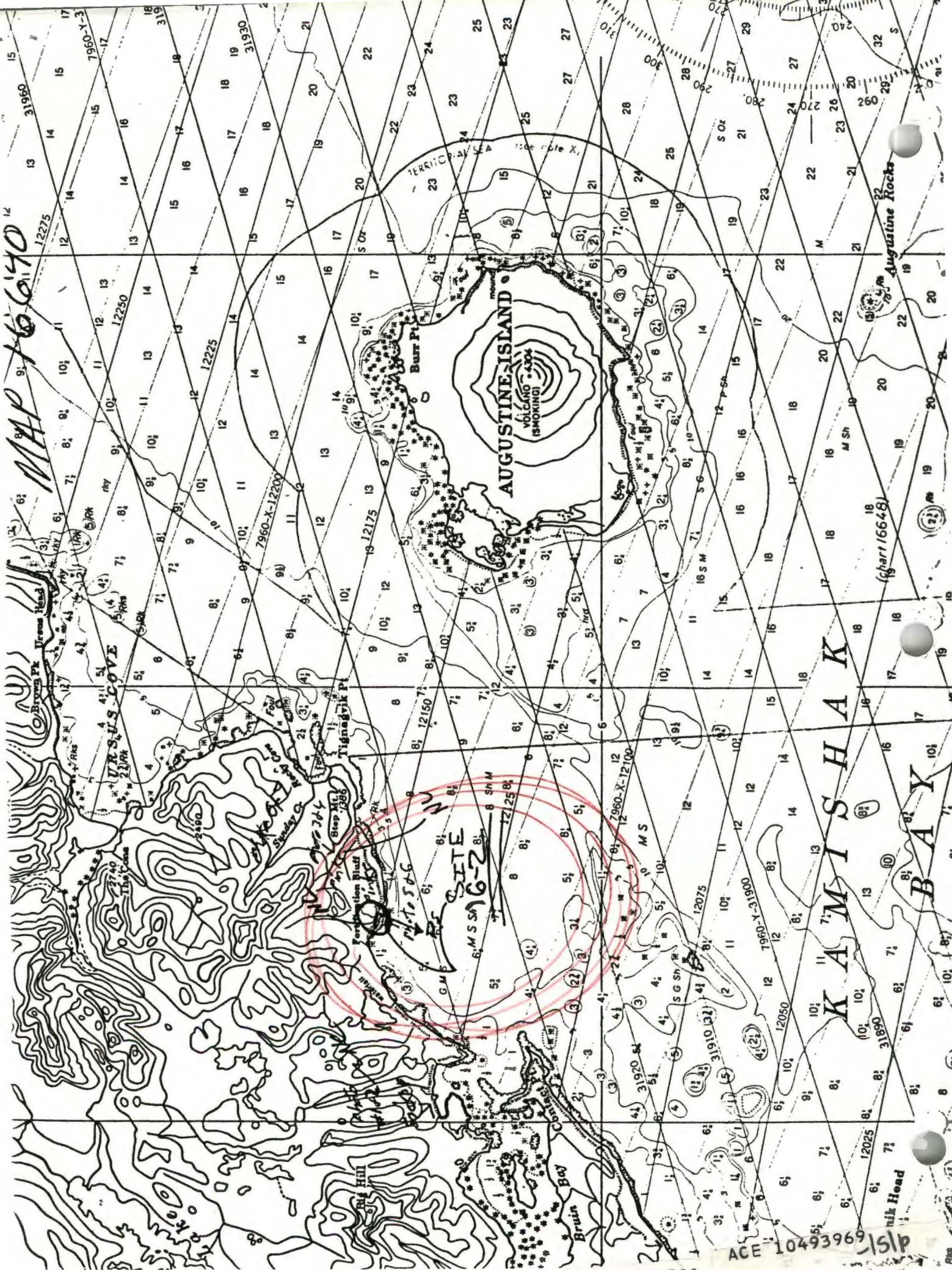
1. Bedrock
2. Boulder
3. Cobble
4. Gravel
5. Sand
6. Mud
7. Other _____

36 COMMENTS: No oil found

ACE 10493968

ACE 7380520

MAP 166170



ACE 10493969 151P

ACE 7380521