

Amakdedori Crk.

ASC NUMBER: 243-40-10010 SEGMENT NUMBER: — YR CATALOGED: —
 LOCATION: Kamishak Bay LOCAL STREAM #: —
 STREAM NAME: Amakdedori Creek LATITUDE: 59 16 39
 KUSIAK K-UNIT: — LOCAL STREAM #: — LONGITUDE: 154 7 37
 USGS QUADRANGLE: Iliamna B-4 LEGAL: S 105.29W26
 SHORELINE TYPE: BEACH ALL SEGMENTS: —
 WAVE EXPOSURE: High DATE: 10/19/91

SC NUMBER: —
 SURVEY TYPE: BS 89
 METHOD: FOOT
 DATE: 6/8/89
 START TIME: 1200 OK → = 1200
 STOP TIME: 1800 OK

TEAM RECORDER: AL DAVIS
 OBSERVERS: Rance Morrison
 AGENCY(IES): ADF&G
 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	H2	t	THICK cm	PEN cm	OIL TYPE
SITE 1	1610+	—	—	—	—	—	MS, TB
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: L

OIL IN STREAM CHANNEL? N

SUBSTRATE

Bedrock	Granule
Boulder	Sand
Cobble	Silt
Pebble	Veget.

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? Y

1 mile ⇒ Yes

SPECIES					
COUNT					

REMARKS: Surveyed from north end of Amakdedori Beach to Chenik on foot. In places tarballs observed every 6" or less. Oil located primarily at the 19-20' tide level (tarballs & MS on rocks).

~~Contact Al Davis to verify whether or not photos exist.~~

Contact Survey crew for further info.

ACE 10493938 +/FLP



Amakdedoni Crk

ASC NUMBER: 243A10010
 LOCATION: Kamishak Bay
 DAM NAME: Amakdedoni Crk
 KAMISAK K-UNIT: LOCAL STREAM #:
 US QUADRANGLE: Ilumua B-4
 SHORELINE TYPE: Beach #
 WAVE EXPOSURE: High

SEGMENT NUMBER: _____
 YR CATALOGED: _____

LATITUDE: 54 16 39
 LONGITUDE: 154 7 37
 LEGAL: S 10S 29W 26

ALL SEGMENTS: _____

DATE - 10/19/91

SC NUMBER: _____
 SURVEY TYPE: _____
 METHOD: BS/SS
 DATE: 6/22/89
 START TIME: 0600
 STOP TIME: 1300

TEAM RECORDER: AL DAVIS
 OBSERVERS: Rance Morrison
 AGENCY(IES): AOFAG
 PHOTOS TAKEN?
 Roll #: _____ Frames: _____
 VIDEO TAKEN? Tape Number: _____
 Counter Start: _____

AMPLES TAKEN?
 SAMPLE I.D. NUMBERS: 1. _____ 2. _____ 3. _____
 4. _____ 5. _____ 6. _____

	LENGTH m	WIDTH m	H2	t	THICK cm	PEN cm	OIL TYPE
SITE 1	56.34	—	—	—	—	—	TB
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: L

OIL IN STREAM CHANNEL? N

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? 1 mile - yes

SUBSTRATE		SPECIES				
Bedrock	Granula	/				
Boulder	Sand					
Cobble	Silt					
Pebble	Veget.					
		COUNT				

REMARKS: Surveyed from north end of Amakdedoni beach to creek on foot. Observed scattered tarballs - less oil observed than 6/8/89 survey. Contact Al Davis for photo verification. i.e. whether or not photos exist. ACE 10493939 1p
 UNKNOWN how close oil was to stream - oil was within 1 mile of stream.

ADF&G MULTI-ASSESSMENT FORM
1991 GENERAL ENTRY CHECKLIST



STREAM#: 2434010010
SEGMENT: -0-

PAGE 38

DATE PRINTED: 06/21/91

LOCATION: KAMISHAK BAY, AMAKDEDORI BEACH

SURVEY TYPE: 90 PRE SCREEN - SS

METHOD: GROUND

DATE: 04/13/90

TEAM RECORDER: HILL

START TIME: 1249

OBSERVERS: DUDIAK MCLANE

END TIME: 1426

OG/HAB DISCREPANCIES: -

AGENCY: FG

PHOTOS TAKEN: Y

STATION: 2434010010

ROLL#: 90DDH003H

FRAME: 17-24

COC?

VIDEO TAKEN: N

TAPE#: -0-

START: -0-

END: -0-

SAMPLES TAKEN: Y

SAMPLE NUMBERS: ?? *Doug...* -0-

-0- -0-

-0- -0-

OIL IN STREAM BED: N

OVERALL OIL IMPACT: *VL*

OIL ON BEACH BY MOUTH: N

WAVE EXPOSURE: HIGH

SHORELINE TYPE: BEACH

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

GRAVEL 80 SAND 20 MUD/SILT -0- GRANULE -0-

ANADROMOUS FISH PRESENT: N

SPECIES: -0-

COUNT: -0-

-0-

-0-

-0-

-0-

-0-

-0-

-0-

-0-

ACE 104939404/S/P

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST



PAGE 45

DATE PRINTED: 06/21/91

STREAM# : 2434010010
SEGMENT#: -0-

SURVEY TYPE : 90 PRE SCREEN - SS LOCATION: KAMISHAK BAY, AMAKDEDORI BEACH
DATE: 04/13/90
TIMES: 1249 - 1426 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-	NOT AVAIL - MS, ST
-0	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-

COMMENTS:

~~**~~ STREAM COMPLETELY SNOW/ICE COVERED. SNOW BELOW DRIFTLINE, VEGETATIVE DEBRIS ON TOP FOUND TYPAR FROM HOMER LOG BOOMS (TYPAR ATTACHED TO 2X4 (WRAPPED & NAILED)). 3 OBSERVERS WALKED 1.2 MILES NORTH OF STREAM AND 1 MILE SOUTH OF STREAM. OBSERVED OIL STAINS ON 3 OR 4 LOGS (VERY LIGHT). FOUND OILED (HEAVILY) POMPOM SOUTH OF STREAM (FOUND APPROX 100 YARDS SOUTH OF CREEK). FOUND 18" X APPROX 8" WIDE PIECE OF FOAM FROM SORBENT BOOM. SNOW ON BEACH BETWEEN DRIFT LOGS AND BEACH ABOUT 20 FEET WIDE & 6 FEET DEEP - UNABLE TO SURVEY ENTIRE BEACH AREA DUE TO SNOW COVER. ALSO UNABLE TO SURVEY STREAM BANKS DUE TO SNOW COVER. NO ANADSCAT ANTICIPATED. SURVEY NOT COMPLETED DUE TO SNOW ON BEACH.

OIL ON STREAM BANKS:

OIL WITHIN 1 MILE OF STREAM: YES, APPROX 100 YARDS SOUTH OF MOUTH

OK - LEAVE
/M

Sample NOT Retained

collected as sample

ASC NUMBER: 243-40-10010 SEGMENT NUMBER: Nine YR CATALOGED:
 LOCATION: Kamishak Bay, Amakdedori Beach
 STREAM NAME: Amakdedori Creek LATITUDE: 59 16 39
 NODIAK K-UNIT: LOCAL STREAM #: LONGITUDE: 154 7 37
 TIGS QUADRANGLE: Iliamna B-4 LEGAL:
 SHORELINE TYPE: Beach ALL SEGMENTS:
 WAVE EXPOSURE: High

ASC NUMBER:
 SURVEY TYPE:
 METHOD:
 DATE: 4 / 13 / 90
 START TIME: 1249
 STOP TIME: 1426

TEAM RECORDER: Doug Hill
 OBSERVERS: Norma Dudink, Susan McLane
 AGENCY(IES): AOF+G
 PHOTOS TAKEN? Yes
 Roll #: 900H008H Frames: 14-29
 VIDEO TAKEN? NO Tape Number:
 Counter Start:

SAMPLES TAKEN? Heavily oiled Pom Pom

SAMPLE I.D. NUMBERS: 1. 217 ID? 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: 2/11

OIL IN STREAM CHANNEL? NO

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? 2/11

SUBSTRATE	
Bedrock	Granule
Boulder	Sand 20
Cobble	Silt
Pebble 80	Veget.

SPECIES					
COUNT					

COMMENTS: see "90" MNO Form (comments & Diagram section)

This stream was surveyed in 1989 by Al Davis of the Homer AOF+G Commercial Fisheries office. was not included in.

ACE 10493942 + 15

Group B

ADF&G MULTI-ASSESSMENT DATA FORM

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

METHOD: Aerial Ground Boat corrected for Iliamna on Seldovia

3 DATE: 4-13-90 16 HIGH TIDE TIMES: 1745 21 TEAM RECORDER: Doug Hill

4 START TIME: 1249 18 HIGH TIDE HTS: 13' 22 OBSERVERS: S. McLane N Dudrick

5 STOP TIME: 1426 17 LOW TIDE TIMES: 1121 23 AGENCY: ADF&G

6 SEGMENT #: _____ 19 LOW TIDE HTS: 1.3 24 PHOTOS TAKEN: Y N

7 STATION #: _____ 10 TIDE HT AT SURVEY: mid Roll #: 90-DDH-003 Frame: 17, 18, 19, 20, 21, 22, 23, 24

8 K-UNIT: _____ Ebb Slack Flood Slack 26 VIDEO TAKEN: Y N TAPE#: _____

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

10 LAT: 59°16'08"N 11 LONG: 154°08'01" 28 SAMPLES TAKEN? Y ~~N~~ Number _____

12 SOURCE: Map Loran 011 oil stain from pom

13 LOCATION: Kamushak Bay Sediment _____

14 DESCRIPTION: Amaktedori Beach/Creek Biological _____
West Side Crock Inlet Water _____
EXTENT OF OIL

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

36 CATALOGED ANAD. FISH STREAM? Y N

37 CATALOG #: _____

38 STREAM NAME: Amaktedori Cr.

39 OIL IN STREAM BED? Y N

40 OIL ON STREAM BANKS? Y N

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

42 OIL WITHIN 1 MILE OF STREAM? Y N

Where: 100 yd south of mouth

43 ANADROMOUS FISH PRESENT? Y N

44 ANADROMOUS FISH OBSERVATION
Species Aerial Ground

Species	Aerial	Ground

ACE 10493943

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 20 Mud/silt _____

* Stream completely snow/ice covered

COMMENTS: snow below driftline, vegetative debris on top
Found typar from Homer log booms-Typar attached to 2x4 (WRAPPED/nailed)
3 observers walked 1.2 mi north of stream and 1 mi south of stream. Observed oil stains on 3 or 4 logs (very light)
Found oiled (heavily) pom pom south of stream- Found ~100 yds south of Creek, Found 18" x ~8" wide piece of foam from sorbent boom

Amakdedori

FRAME(S)	DESCRIPTION
# 17	Susan McLane surveying Amak beach showing snow on beach
# 18 & 19	FORK FROM sorbent boom
# 21-23	oiled pom pom - taken as sample
# 24-25	Aerials of Amakdedori Creek

46 OIL DISTRIBUTION DIAGRAM

*Comments continued:
 Snow on beach between drift logs and beach about 20 ft wide & 6 ft deep - unable to survey entire beach area due to snow cover
 Also unable to survey stream banks due to snow cover

NO ~~ANALYSIS~~ Anticipated

Survey not completed due to snow on beach.

- = Sample taken
- = Photo frame # and shot direction.

ACE 10493944-15

ACE 1955659

Group B

ADF&G MULTI-ASSESSMENT DATA FORM

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

METHOD: Aerial Ground Boat corrected for Iliamna on Seldovia

3 DATE: 4-13-90 18 HIGH TIDE TIMES: 1745 21 TEAM RECORDER: Doug Hill

4 START TIME: 1249 19 HIGH TIDE HTS: 13' 22 OBSERVERS: S. McLane N Dudrick

5 STOP TIME: 1426 17 LOW TIDE TIMES: 1121 23 AGENCY: ADF&G

6 SEGMENT #: _____ 18 LOW TIDE HTS: 1.3 24 PHOTOS TAKEN: Y N
Roll #: 90-DDH-005 Frame: 17, 18, 19, 20, 21, 22, 23, 24

7 STATION #: _____ 19 TIDE HT AT SURVEY: mid 25 VIDEO TAKEN: Y N TAPE#: _____

8 K-UNIT: _____ Ebb Slack Flood Slack 26 STAT AREA: _____ Start: _____ End: _____

9 STAT AREA: _____ 20 USCG QUAD: _____ 28 SAMPLES TAKEN? Y N Number

10 LAT: 59°16'08"N 11 LONG: 154°08'01" 011 oil snare pom pom

12 SOURCE: Map Loran Sediment _____

13 LOCATION: Kamishak Bay Biological _____

14 DESCRIPTION: Amakdetori Beach/Creek
West Side Cock Inlet
EXTENT OF OIL Water _____

	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?	<u>Y</u>	N						
33 SHORELINE TYPE:	Headland	Low-lying Rocks	<u>Beach</u>	Cove				
		Lagoon	Marsh					
34 WAVE EXPOSURE:	<u>High</u>	Moderate	Low					
35 SUBSTRATE TYPE:	Bedrock	Boulder	Cobble					
	Gravel <u>80</u>	Sand <u>20</u>	Mud/silt					

36 CATALOGED ANAD. FISH SREAM? Y N

37 CATALOG #:

38 STREAM NAME: Amakdetori Cr.

39 OIL IN STREAM BED? Y N

40 OIL ON STREAM BANKS? Y N

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

42 OIL WITHIN 1 MILE OF STREAM? Y N
Where: 100 yd south of mouth

43 ANADROMOUS FISH PRESENT? Y N

44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground

ACE 10493946

* Stream completely snow/ice covered

COMMENTS: snow below driftline, vegetative debris on top
Found typar from Homer log booms-Typar attached to 2x4 (WRAPPED & MARKED)
3 observers walked 1.2 mi north of stream and 1 mi south of stream, observed oil stains on 3 or 4 logs (very light)
Found oiled (heavily) pom pom south of stream - Found ~100 yds south of creek, found 18" x 28" wide piece of foam from sorbent boom

Amakdedori

FRAME(S)	DESCRIPTION
# 17	Susan McLane surveying Amak beach showing snow on beach
# 18 & 19	Forks from sorbent boom
# 21-23	oiled pom pom - taken as sample
# 24-25	Deviats of Amakdedori Creek

46 OIL DISTRIBUTION DIAGRAM

*Comments continued:

Snow on beach between drift logs and beach about 20 ft wide +
 6 ft deep - unable to survey entire beach area due to snow cover
 Also unable to survey stream banks due to snow cover

NO ~~ANADSCAT~~ Anticipated

Survey not completed due to snow on beach.

- = Sample taken
- = Photo frame # and shot direction.

ACE 10493947

ACE 1955659

West Side Cook Inlet

Group B

Faced Anchorage
4/17/90

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 *corrected for Iliamna on Seldovia*

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

4 START TIME: 1249 16 HIGH TIDE HTS: 1.3' 22 OBSERVERS: S. McLane, N Dudlak

5 STOP TIME: 1426 17 LOW TIDE TIMES: 1121 23 AGENCY: ADF&G

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

7 STATION #: _____ 19 TIDE HT AT SURVEY: mid 25 VIDEO TAKEN: Y N TAPE#: _____

8 K-UNIT: _____ Ebb Stack **Flood** Stack 26 STAT AREA: 243-40-10010 20 USCG QUAD: _____ Start: _____ End: _____

9 LAT: 59°16'08"N 11 LONG: 154°08'01" 28 SAMPLES TAKEN? Y N Number

12 SOURCE: Map **Loran** 011 oil slick from pom

13 LOCATION: Kamishak Bay Sediment _____

14 DESCRIPTION: Amakdedori Beach/Creek Biological _____
West Side Cook Inlet 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 80 Sand 20 Mud/silt _____

36 CATALOGED ANAD. FISH STREAM? Y N

37 CATALOG #: _____

38 STREAM NAME: Amakdedori Cr.

39 OIL IN STREAM BED? Y N

40 OIL ON STREAM BANKS? Y N

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

42 OIL WITHIN 1 MILE OF STREAM? Y N
Where: 100 yd south of mouth

43 ANADROMOUS FISH PRESENT? Y N

44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground

ACE 10493948 →

* Stream completely snow/ice covered

COMMENTS: snow below driftline, vegetative debris on top
Found tytar from Homer log booms-Tytar attached to 2x4 (WRAPPED & MARKED)
3 observers walked 1.2 mi north of stream and 1 mi south of stream. Observed oil stains on 3 or 4 logs (very light)
Found oiled (heavily) pom pom south of stream-Found ~100 yds south of creek, found 18" x 8" wide piece of foam from seabent boom

ACE 1955615

SEE OTHER SIDE *

FRAME(S)	DESCRIPTION
# 17	Susan McLane surveying Amak beach showing snow
# 18 & 19	Forks from sorbent boom
# 21-23	oiled pom pom - taken as sample
# 24-25	Aerials of Amakdori Creek

46 OIL DISTRIBUTION DIAGRAM

*Comments continued:

Snow on beach between drift logs and trash about 20 ft wide & 6 ft deep - unable to survey entire beach area due to snow cover. Also, unable to survey stream banks due to snowcover.

NO ~~ANADSCAT~~ Anticipated
 Survey not completed due to snow on beach.

- = Sample taken :
- = Photo frame # and shot direction.

ACE 10493949

ACE 1955616

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST

PAGE 84

DATE PRINTED: 08/19/91

STREAM# : 2435010010
SEGMENT#:

SURVEY TYPE : 89 AFHS - SS
DATE: 09/16/89
TIMES: 1400 -

LOCATION: KAMISHAK BAY, BRUIN BAY,
MOUTH, N SHORE OF SM. BAY
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 16-1. NO OIL FOUND. 30 55 GALLON FUEL DRUMS AT TOP OF BEACH. 8 FULL OF FUEL AND SEVERAL OTHERS CONTAINED SOME FUEL AND WERE LEAKING. SOCKEYES ~250 YARDS ABOVE MOUTH. ALOT OF BEAR ACTIVITY AT MOUTH OF STREAM - MAIN SALMON RUN OVER/PAST.

ACE 10493951

-15



Site 16-1

NUMBER: 243-50-10010	SEGMENT NUMBER:	YR CATALOGED:
LOCATION: Kamishak Bay, NE Brvin Bay, NE Cove		
CAM NAME:		LATITUDE: 59 23 47
TRAP UNIT:	LOCAL STREAM #:	LONGITUDE: 153 59 51
CORDRANGLE: 10 Iliamna B-3		LEGAL: S 9S 28W 16
RELIEF TYPE: Beach	ALL SEGMENTS:	
EXPOSURE: High mod		

NUMBER:	TEAM RECORDER: Rick Randall
TRAP TYPE: SS	OBSERVERS: Lee Glenn
TRAP: Foot	
DATE: 9/16/89	AGENCY(IES): ADF&G
START TIME: 1400	
END TIME:	PHOTOS TAKEN?
	Roll #: RDR-17
	Frames: 1, 2
	VIDEO TAKEN? <input checked="" type="checkbox"/> Tape Number:
	Counter Start:
COPIES TAKEN? <input checked="" type="checkbox"/>	
SAMPLE I.D. NUMBERS: 1.	2.
4.	5.
	6.

	LENGTH m	WIDTH m	H2	%	THICK cm	PEN cm	OIL TYPE
TEST 1							None!
TEST 2							
TEST 3							
TEST 4							
TEST 5							

OVERALL OIL IMPACT:

IN STREAM CHANNEL?

OIL ON BEACH WITHIN 50M OF STREAM MOUTH?

SUBSTRATE					
bedrock	Granule <input checked="" type="checkbox"/>				
boulder	Sand				
cobble <input checked="" type="checkbox"/>	Silt				
pebble <input checked="" type="checkbox"/>	Veget.				

SPECIES	Reds	Bears			
COUNT	10				

REMARKS: No oil found 30-55 gallon fuel drums at top of beach. 8 full of fuel & several others contained ~~water~~ Some fuel & were leaking.

Sockeyes ~ 250 yds above mouth. A lot of bear activity at mouth of stream ~ main salmon run over/past.

ACE 10493952 +1/5

ANADROMOUS FISH OBSERVATIONS

	PINK	CHUM	RED	KING	COHO	DOLLY		
28 Aerial			10					
29 Ground								

30 COMMENTS: Sited the sockeye about 250 yds upstream from mouth. Much Bear activity on the beach at the mouth of stream. The main salmon run was already over.

OIL OBSERVATIONS

Site 16-1

EXTENT OF OIL:

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

34 OIL DISTRIBUTION DIAGRAM (SHOW SAMPLING SITES)

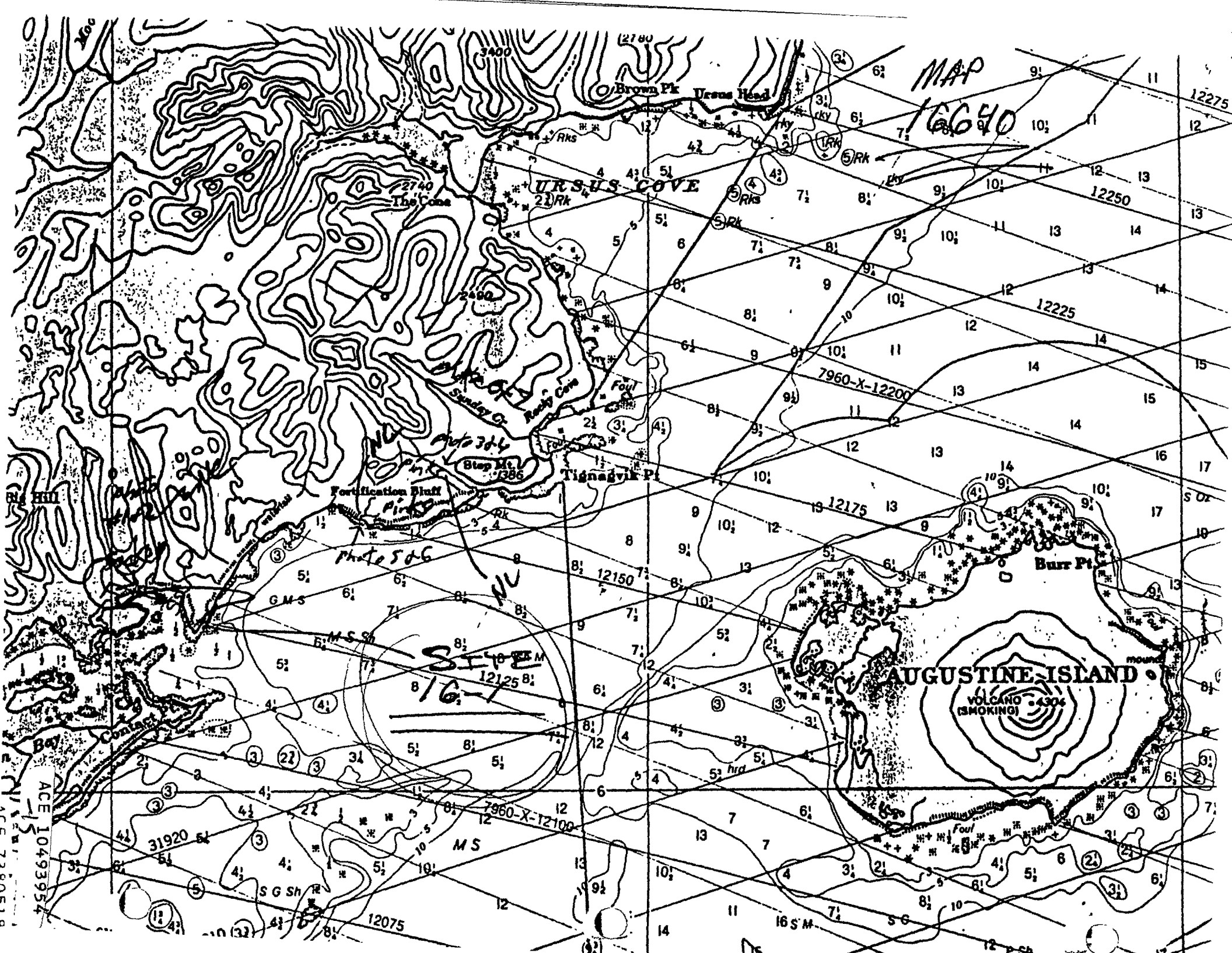
35 PREDOMINANT SUBSTRATE TYPE:

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

ACE 10493953

ACE 7380517

36 COMMENTS: No oil found. Found 20-55 gal fuel drums at top of beach. 8 were full of fuel and several others contained some fuel as well. 12 a king



MAP
16640

URSUS COVE

AUGUSTINE ISLAND

VOLCANO 4304
(SMOKING)

NU
SITE
16

ACE 10493957

31920

12075

7960-X-12100

7960-X-12200

12275

12250

12225

12175

12150

12125

12075

14

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Site 16-1

ASC NUMBER: 243-50-10010	SEGMENT NUMBER:	YR CATALOGED:
LOCATION: Kamishak Bay, NE Brvin Bay, NE Cove		
MAP NAME:		LATITUDE: 59 23 47
NAK K-UNIT:	LOCAL STREAM #:	LONGITUDE: 153 59 51
USGS QUADRANGLE: 20 Iliamna B-3		LEGAL: S 9S 28W 16
SHORELINE TYPE: Beach	ALL SEGMENTS:	
WAVE EXPOSURE: High mod		

ASC NUMBER:	TEAM RECORDER: Rick Randall
SURVEY TYPE: SS	OBSERVERS: Lee Glenn
METHOD: Foot	
DATE: 9/16/89	AGENCY (IES): ADF&G
START TIME: 1400	PHOTOS TAKEN?
STOP TIME:	Roll #: RDR-17 Frames: 4, 2
	VIDEO TAKEN? N Tape Number:
	Counter Start:

RDR
10/1/89

SAMPLES TAKEN? *N*

SAMPLE I.D. NUMBERS: 1.	2.	3.
4.	5.	6.

SITE	LENGTH m	WIDTH m	H2	%	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 <input checked="" type="checkbox"/>
Boulder	Sand
Cobble <input checked="" type="checkbox"/>	Silt
Pebble <input checked="" type="checkbox"/>	Veget.

SPECIES	Reds				
COUNT	10				

COMMENTS: No oil found 30 : 55 gallon fuel drums at top of beach. 8 full of fuel & several others contained ~~water~~ Some fuel & were leaking.

Sockeyes x 250 yds above mouth. A lot of bear activity at mouth of stream ~ main salmon run over/past.

ACE 10493955 *HS*

FISH HABITAT ASSESSMENT FORM

(N.E. Cove in Bruin Bay, Kamishak Bay

1 REGION: 2 PWS 3 KP, CI 4 K, AP 5 OBSERVER(S) Lee Glenn Rick Randall 243-50-10010

6 SITE NO. 16-1 7 AERIAL PHOTO NO. 1, 2 8 CAT NO. NE

9 STREAM NAME 10 LAT 59.24.00 11 LONG 153.58.50

12 DATE 9/16/89 13 TIME 1400 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

Table with 2 columns: EXPOSURE NO. and DESCRIPTION. Row 1: 1, Aerial photo of stream, mouth, & beach. Row 2: 2, same.

23 VIDEO FOOTAGE TAKEN? Y N 24 CASSETTE NO(S)

25 DESCRIPTION: ACE 10493956 ACE 7380516

ANADROMOUS FISH OBSERVATIONS

	PINK	CHUM	RED	KING	COHO	DOLLY		
28 Aerial			10					
29 Ground								

30 COMMENTS: Sited the sockeye about 250 yds upstream from mouth. Much Bear activity on the beach at the mouth of stream. The main salmon run was already over.

OIL OBSERVATIONS

Site 16-1

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 _____

ACE 10493957

ACE 7380517

36 COMMENTS: No oil found. Found 20-55 gal fuel drums at top of beach. 8 were full of fuel and several others contained some fuel & were leaking

HEAD Bruin Bay - SW

ASC NUMBER: 243-50-10040 SEGMENT NUMBER: YR CATALOGED:
 LOCATION: Kamishak Bay, Bruin Bay Head
 TEAM NAME: LOCAL STREAM #: LATITUDE: 59 22.32
 U.S. QUADRANGLE: Iliamna B-4 LONGITUDE: 154 7 45
 SHORELINE TYPE: Beach LEGAL: S 9S 29W 26
 WAVE EXPOSURE: L ALL SEGMENTS: *ADP 10/9/91*

ASC NUMBER: TEAM RECORDER: AL DAVIS
 SURVEY TYPE: SS/BS OBSERVERS: Rick Randall
 METHOD: FOOT AGENCY(IES): ADF+G
 DATE: 7/10/89 PHOTOS TAKEN? N
 START TIME: 1400 Roll #: Frames:
 STOP TIME: 1600 VIDEO TAKEN? N Tape Number:
 Counter Start:

SAMPLES TAKEN? NO
 SAMPLE I.D. NUMBERS: 1. 2. 3.
 4. 5. 6.

	LENGTH m	WIDTH m	H2	†	THICK cm	PEN cm	OIL TYPE
SITE 1	1610	—	—	—	—	—	TB
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: VL

OIL IN STREAM CHANNEL? N

SUBSTRATE

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

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? *1 mile Yes*

SPECIES	—				
COUNT					

COMMENTS: 10 Blobs of oil found. Oil at high & low tide lines. Oil observed on Southwest beach at head of Bruin Bay. Unknown if oil was within 50m of stream - but it was observed within 1 mile of the anadromous stream. (Contact Al Davis)

~~Contact Al Davis/Rick Randall to verify whether or not photos or video were taken.~~

ACE 104939591/S

HEAD Bruin Bay

ASC NUMBER: 243-50-10040 SEGMENT NUMBER: YR CATALOGED:
 LOCATION: Kamishak Bay, Bruin Bay Head
 DAM NAME: LOCAL STREAM #: LATITUDE: 59 22.32
 IAK K-UNIT: LOCAL STREAM #: LONGITUDE: 154 7 45
 U.S. QUADRANGLE: Iliamna B-4 LEGAL: S 9 S 29 W 26
 SHORELINE TYPE: Beach ALL SEGMENTS:
 WAVE EXPOSURE: L

ASC NUMBER: TEAM RECORDER: AL DAVIS
 SURVEY TYPE: SS/BS OBSERVERS: Rick Randall
 METHOD: FOOT AGENCY(IES): ADF+G
 DATE: 7/10/89 PHOTOS TAKEN? N
 START TIME: 1400 Roll #: Frames:
 STOP TIME: 1600 VIDEO TAKEN? N Tape Number:
 Counter Start:

SAMPLES TAKEN? NO
 SAMPLE I.D. NUMBERS: 1. 2. 3.
 4. 5. 6.

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	1610	—	—	—	—	—	TB
SITE 2							
SITE 3							
SITE 4							
SITE 5							

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

SUBSTRATE

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

SPECIES				
COUNT	—			

COMMENTS: 10 Blobs of oil found. Oil at high + low tide lines.
 Oil observed on southwest beach at head of Bruin Bay. Unknown if oil was within 50m of stream - but it was observed within 1 mile of the anadromous stream. (Contact Al Davis)
 Contact Al Davis/Rick Randall to verify whether or not photos or video were taken.

ACE 10493960
 -11/5/HP