AFS 259-21-10120
BUSKIN RIVER, KODIAK
SITE K8-1

259-21-211

11FF x 275m	VERY VERY LIGHT BARELY ENOUGH FOR SAMP
x 315m	NOTHING
x 300m	NOTHING

ACE 1853286 +|F|HF

89 Stream Survey

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

SEGMENT NUMBER:

LOCAL STREAM #:

YR CATALOGED:

LATITUDE:
LONGITUDE:
LEGAL:
WAVE EXPOSURE: Low

ASC NUMBER: 259-21-10120
SURVEY TYPE: SS
METHOD: F
DATE: 9/6/89
START TIME: 1030
STOP TIME: N/A

TEAM RECORDER: Randy Talvi
OBSERVERS: Roger Dunbar

AGENCY(IES): ADF&G

PHOTOS TAKEN? Y
Roll #: 89-RGT-002K Frames: 17
VIDEO TAKEN? Y Tape Number: HS008
Counter Start: 2514

89JPB/BK

SAMPLES TAKEN? Y
SAMPLE I.D. NUMBERS: 1. K8-1-1 2. K8-1-2 3.
4. 5. 6.

OILING DATA

Trace? yes <1%

	LENGTH	WIDTH	M2	%	THICK	FEN	OIL TYPE
SITE 1	315m			Ø			no oil observed
SITE 2	275m	1m	2.75	.001 <1	1.27cm	2.54cm	MS
SITE 3	300 m			Ø			no oil observed.
SITE 4							
SITE 5							

OVERALL OIL IMPACT: VVL

OIL IN STREAM CHANNEL? Y

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? N

SUBSTRATE

Bedrock	Granule
Boulder	Sand X
Cobble	Silt
Pebble	Veget.

SPECIES					
COUNT					

COMMENTS: Site K8-1. Buskin River, womens Bay, Kodiak Island. ADF&G, Sport Fish Division, maintains a fish weir on Buskin River. Consult them for anadromous fish count.

89. STream Survey

ASC NUMBER:
SEGMENT NUMBER:
YR CATALOGED:
LOCATION:
STREAM NAME:
LATITUDE:
KODIAK K-UNIT:
LOCAL STREAM #:
LONGITUDE:
USGS QUADRANGLE:
LEGAL:
SHORELINE TYPE: Lagoon /Beach
WAVE EXPOSURE: Low

ASC NUMBER: 259-21-10120
SURVEY TYPE: SS
METHOD: F
DATE: 9/6/89
START TIME: 1030
STOP TIME: N/A

TEAM RECORDER: Randy Talvi
OBSERVERS: Roger Dunbar

AGENCY(IES): ADF&G

PHOTOS TAKEN? Y
Roll #: 89-RGT-002K Frames: 17
VIDEO TAKEN? Y Tape Number: HS008
Counter Start: 2514

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SAMPLE I.D. NUMBERS: 1. K8-1-1 2. K8-1-2 3.
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OIL IN STREAM CHANNEL? Y

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? N

SUBSTRATE

Bedrock	Granule
Boulder	Sand X
Cobble	Silt
Pebble	Veget.

SPECIES					
COUNT					

COMMENTS: Site K8-1. Buskin River, womens Bay, Kodiak Island. ADF&G, Sport Fish Division, maintains a fish weir on Buskin River. Consult them for anadromous fish count.

Kodiak Is., Buskin River

FISH HABITAT ASSESSMENT FORM

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

Not Available

SITE NO. K8-1 AERIAL PHOTO NO. _____ CAT NO. 259-21-10120

STREAM NAME Buskin *LAT 57°.45'.10"N *LONG 152°.28'.40"W

DATE 9/6/89 TIME 10:45 TIDE: Low slack Flood High slack (Ebb)

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

See notebook

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

OIL SAMPLES TAKEN? (Y) N ID NOS. K8-1-1, K8-1-2

Converted To 89-RGT-002-K

35 mm PICTURES TAKEN? (Y) N ROLL NO(S) 205A 9/B

EXPOSURE NO.	DESCRIPTION
205A #17	Mousse with organic vegetation in it.

VIDEO FOOTAGE TAKEN? (Y) N CASSETTE NO(S). HS008

DESCRIPTION: Footage 2514-2543 sampling technique, shoreline of survey

* Lat, Long was taken from Kodiak Island map, number 16580 by N.O.A.A.

ANADROMOUS FISH OBSERVATIONS

	PINK	CHUM	RED	KING	COHO	DOLLY		
Aerial								
Ground								

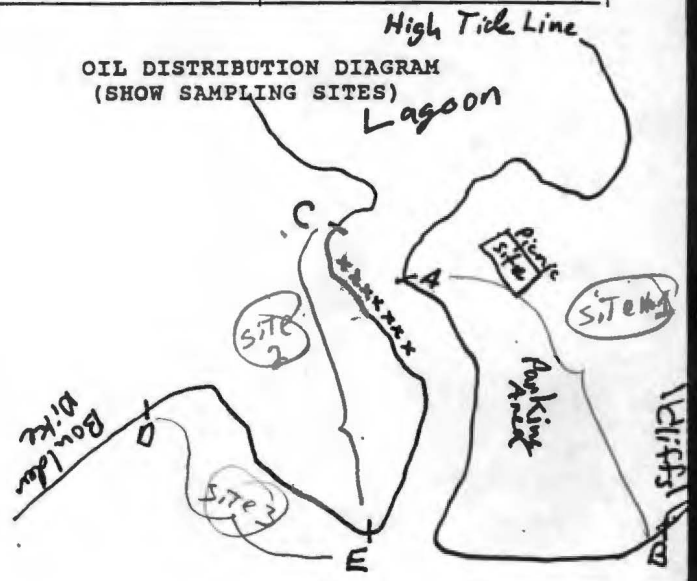
COMMENTS: See fish weir for Buckin river accurate counts. Comm Fish - ADF+G

OIL OBSERVATIONS

EXTENT OF OIL:

	WITHIN STREAM	OUTSIDE STREAM
SURFACE COVERAGE	—	See notebook
SURFACE THICKNESS	—	See notebook
PENETRATION	—	1"

OIL DISTRIBUTION DIAGRAM
(SHOW SAMPLING SITES)



PREDOMINANT SUBSTRATE TYPE:

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

X = subsample site

COMMENTS: Shoreline survey A-B approximately 315 yds long - No sign contamination. Survey C-E approximately 275 yds long - area where samples taken only oil contamination present, very, very light. Survey E-D is approximately 300 yds - no sign of contamination. * see note book for details.

K8-1

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

ALL-WEATHER
LEVEL
Notebook No. 311-M

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

Kodiak Archipelago
Anadromous Fish
Habitat Assessment

1

Anadromous Fish Habitat Assessment
Exxon Valdez Oil Spill

Date: 9/6/89

Site Number: K8-1

Location: Kodiak Is
Latitude: 57° 45' 10" N
Longitude: 152° 28' 40" W
AFS #: 259-21-10120
Comments:

2

Type of sample: Oil

Number of samples taken: 2

Volume of samples taken: 250ml.

Date and time of collection
9/6/89 10:45

List of sample identification numbers:

K8-1-1
K8-1-2

3

Description of sampling point and method:

* See Fish Habitat Assessment Form - Oil Distribution Diagram, for discription of sampling points.

* See Draft Plan Fish Habitat Assessment Plan - Pg 9., for discription of sampling ~~po~~ method used.

References: (Maps, photos, video)

35mm photo, roll # 205A, frame # 17 ↳ Roll # Converted To: 89-RGT-003-K

Video cassette # HS008 9/16
Footage 2514 — 2543

Field Observations:

All measurements are taken from the extreme high tide line and distances are approximated.

Shoreline surveys are described on diagram of Fish Habitat Assessment Form.

Survey points:

A-B; 315 yds in length, sand substrate predominately, no sign of oil contamination.

C-E: 275 yds in length, sand substrate predominately, oil contamination very light, barely enough for 1 subsamples. Mousse mixed with vegetation and feathers, penetration 1". Located 1yd from High tide line (H.T.L) marked on diagram.

E-D 300 yds in length, no sign of oil contamination

Kodiak Is., Buskin River

FISH HABITAT ASSESSMENT FORM

Randy Talvi

REGION: PWS KP,CI (K),AP Not Available OBSERVER(S) Roger Dunbar

SITE NO. K8-1 AERIAL PHOTO NO. _____ CAT NO. 259-21-10120

STREAM NAME Buskin *LAT 57°.45'.10"N *LONG 152°.28'.40"W

DATE 9/6/89 TIME 10:45. TIDE: Low slack Flood High slack (Ebb)

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

see notebook

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

OIL SAMPLES TAKEN? (Y) N ID NOS. K8-1-1, K8-1-2

35 mm PICTURES TAKEN? (Y) N ROLL NO(S). 20SA

EXPOSURE NO.	DESCRIPTION
20SA #17	Mousse with organic vegetation in it.

VIDEO FOOTAGE TAKEN? (Y) N CASSETTE NO(S). HS008

DESCRIPTION: Footage 2514-2543 Sampling technique, shoreline of survey

* Lat, Long was taken from Kodiak Island map, number 16580 by N.O.A.A.

ACE 1853288

ANADROMOUS FISH OBSERVATIONS

	PINK	CHUM	RED	KING	COHO	DOLLY		
Aerial								
Ground								

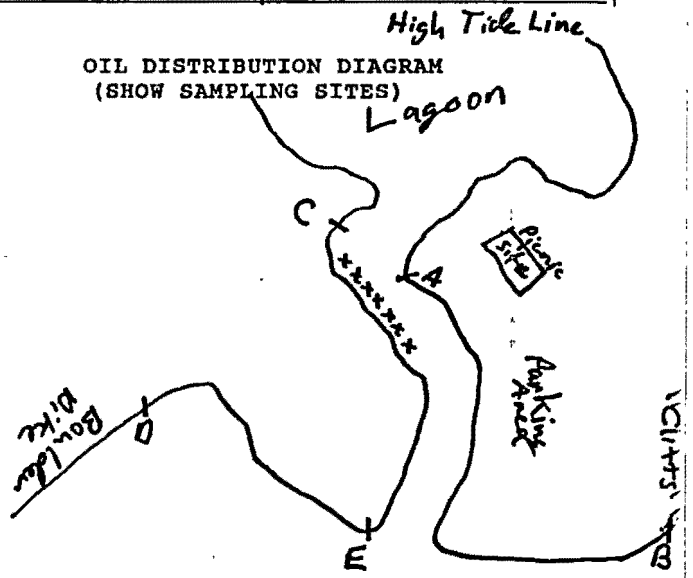
COMMENTS: See fish weir for Buskin river accurate counts. Comm Fish - ADF&G

OIL OBSERVATIONS

EXTENT OF OIL:

	WITHIN STREAM	OUTSIDE STREAM
SURFACE COVERAGE	—	See notebook
SURFACE THICKNESS	—	See notebook
PENETRATION	—	1"

OIL DISTRIBUTION DIAGRAM
(SHOW SAMPLING SITES)



PREDOMINANT SUBSTRATE TYPE:

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

X = subsample site

COMMENTS: Shoreline survey A-B approximately 315 yds long - No sign contamination. Survey C-E approximately 275 yds long - area where samples taken only oil contamination present, very, very light. Survey E-D is approximately 300 yds - no sign of contamination.
* see note book for details.

ACE 1853287 +IFF

2

Type of sample: Oil

Number of samples taken: 2

Volume of samples taken: 250ml

Date and time of collection
9/6/89 10:45

List of sample identification numbers:

K8-1-1
K8-1-2

ACE 1853289

3

Description of sampling point and method:

* See Fish Habitat Assessment Form - Oil Distribution Diagram, for discription of sampling points.

* See Draft Plan Fish Habitat Assessment Plan - Pg 9., for discription of sampling ~~pe~~ method used.

ACE 1853290

4

References: (Maps, photos, video)

35mm photo, roll # 205A, frame # 17

Video cassette # H5008
Footage 2514 - 2543

Field Observations:

All measurements are taken from the extreme high tide line and distances are approximated.
Shoreline surveys are described on diagram of Fish Habitat Assessment Form.

ACE 1853291

5

Survey points:

A-B; 315 yds in length, sand substrate predominately, no sign of oil contamination.

C-E: 275 yds in length, sand substrate predominately, oil contamination very light, barely enough for 2 subsamples. Hourse mixed with vegetation and feathers, penetration 1". Located 1yd from High tide line (H.T.L) marked on diagram.

E-D 300yds in length, no sign of oil contamination

ACE 1853292

Buskin River

"Rite in the Rain" - A unique All-Weather Writing Paper created to shed water and enhance the written image. It is widely used throughout the world for recording critical field data in all kinds of weather.

Available in a variety of standard and custom printed case-bound field books, loose leaf, spiral and stapled notebooks, multi-copy sets and computer papers.

"Rite in the Rain" All-Weather Writing Papers are also available in a wide selection of rolls and sheets for printing and photocopying.

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J. L. DARLING CORPORATION
TACOMA, WA 98421-3696 USA

K8-1

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

ALL-WEATHER
LEVEL
Notebook No. 311-M

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

Kodiak Archipelago
Anadromous Fish
Habitat Assessment

ACE 1853293

1

Anadromous Fish Habitat
Assessment
Exxon Valdez Oil Spill

Date: 9/6/89

Site Number: K8-1

Location: Kodiak Is
Latitude: 57° 45' 10" N
Longitude: 152° 28' 40" W
AFS #: 259-21-10120
Comments:

ACE 1853294

K7-B

Samples 3:30 pm

(28)

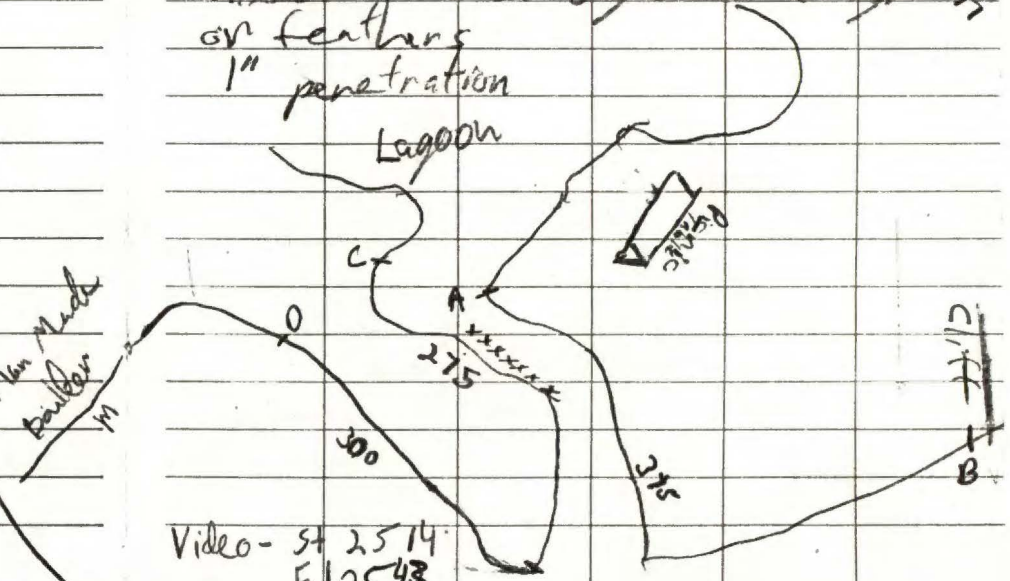
9/~~7~~6/89

(29)

K8-1 Buskin River

- Cliffs to Mouth 315 yds
Beach sand - No oil
- Mouth to Picnic Area 375 yd
Beach sand & pebble - No oil

Oil samples 10:39 1085
EHT line 1' band
Oil contamination is weathered dark black mousse patties mixed with vegetation (eel grass), or feathers
1" penetration



Video - St 2514
End 2548

ACE 1853295

ACE 1853296-1FF

ORIGINAL

RECEIVED 7/29/89

SEGMENT INSPECTION RECORD

ADEC # K5-3

Shoreline Segment:

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.

Comments

Signature Jack A Rickner Date 29 JUL 89 Time 1140

Printed Name Jack Rickner

Existing Shoreline Condition As Visually Determined by USCG

Surface Oil

Percent	Degree of Oiling
	Heavy
	Medium
	Light
	Very Light

100%

Subsurface Oil

- [ ] 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

- [ ] Yes
- [ ] No

Comment Below

Reassessment

- [ ] Yes - Necessary
- [ ] No - Not necessary unless re-oile

ADEC Rep

Comments

Signature Date Time

Printed Name

FOSC Rep Type A Shoreline Demobilization approved/disapproved

Comments No evidence of subsurface oiling. Found only one oiled spot on debris. (size of a quarter). No need for revisit unless beach is re oiled.

Signature P J Cormier Date 31 JUL 89 Time 1045

Printed Name P.J. Cormier, LT, USCG

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

ACE 1853297+/S

ORIGINAL

TYPE A SHORELINE CLEANUP WORK ORDER

COPY

Date 7/29/89 **Shoreline Segment**

Location (see map)

Woody Island All Shores

ADEC No. K5-3 **Shoreline assessment date** 7/27/89

Recommended Cleanup Activities

Type A clean up of surface oil and oily debris. Do not remove more than 1-2 inches of beach sediment. No SCAT report available.

Priority Considerations

None

Ecological Constraints

Avoid healthy areas of beach both above the high tide line and in the lower tidal areas.

Archaelogical Constraints (from site survey)

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: Jack A Rickman **Date** 7/30/89
Exxon

Approved: E J Mack **Date** 9/5/89
Federal On-Scene Coordinator Representative

Road system clean up

ACE 1853298

7/14/89

Shoreline Segment Tracking Form

Zone: KODIAK

Unit-SubUnit-Segment ID: KS-3 SP906

Date:

Shoreline / Segment Name: ST PAUL HARBOR

Predominant Sediment (circle one)

Boulder (>256 mm) | Cobble (64-256 mm)
Pebble (4-64 mm) | Gravel (2-4 mm)
Sand (0.06-2 mm) | Mud (<0.06 mm)
Rock | Vertical Cliff

Impact Classification (circle one) **

Heavy | Moderate
Light | Very Light

Oiling On Debris (circle one)

Heavy | Moderate
Light | None

Seg. Length (yds):

Oiled Width (yds):

% of Seg. Area* Oiled:

Penetration (in.):

* Seg. Area=Seg. Length x Oiled Width

Treatment / Notes:

Beach Treatment / Gross Contamination Removal

Start Date:

Completed Date:

Form Filled Out By (circle one)

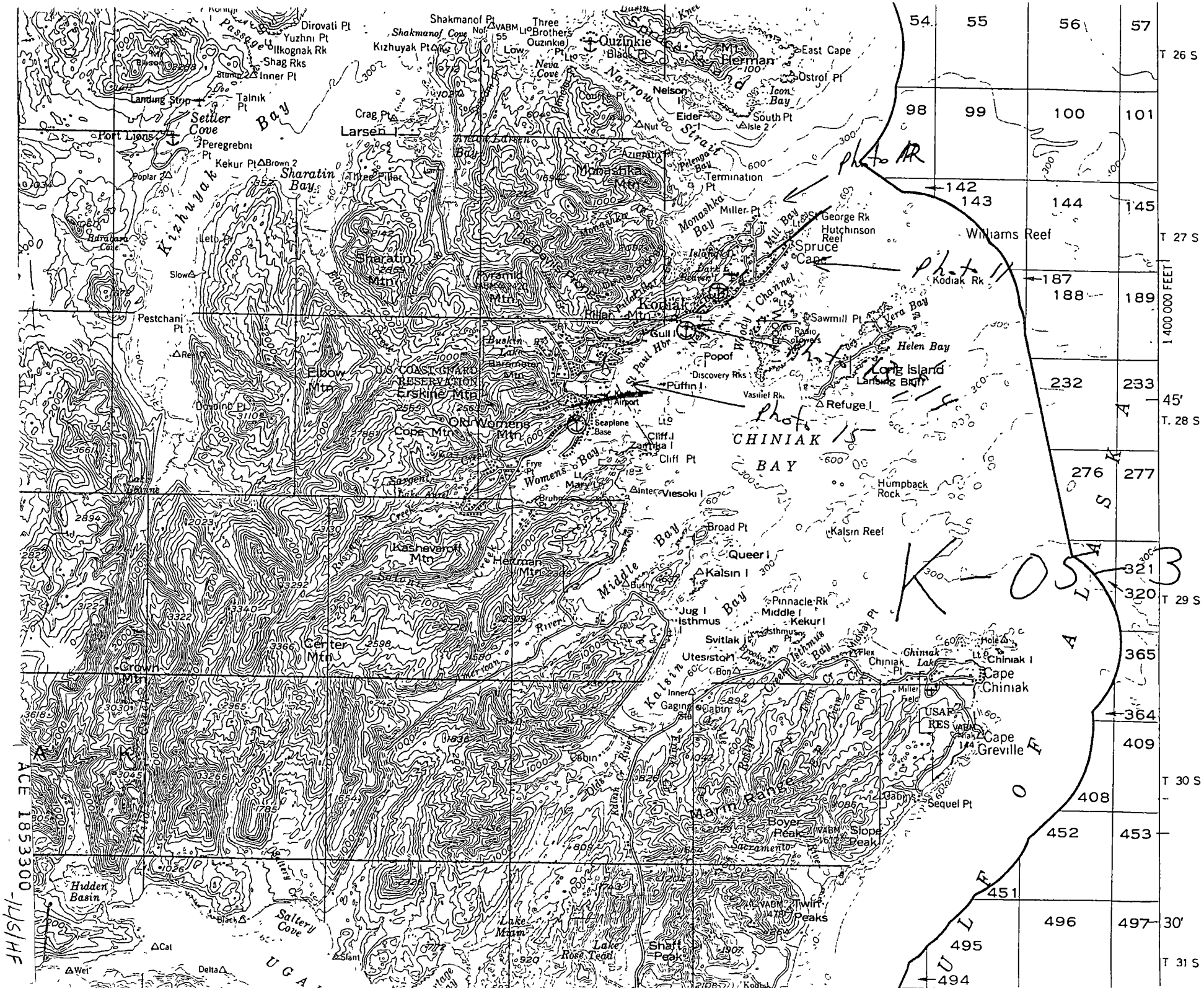
SCAT | ADEC | ADF&G | NPS
USFWS | USCG | NOAA | Other_____

** Heavy - >50% discontinuous coverage or >6m continuous band.
Moderate - 10 to 50% discontinuous coverage or 3 to 6 m continuous band.
Light - 1 to 10% discontinouus coverage or 1 to 3m continuous band.
Very Light - <1% discontinuous coverage or <1m continuous band.

Observer: [signature]

This form must be completed for any beach segment that is being treated, other than SCAT segments, and must be submitted with a map attached which shows the segment boundaries.

ACE 1853299


Dirovati Pt
Yuzhni Pt
Ilkognak Rk
Shag Rks
Inner Pt
Shakmanof Pt
Shakmanof Cove
Three Brothers
Quzinkie
Herman
East Cape
Ostrof Pt
Icon Bay
Nelson I
Eider
South Pt
Isle 2
Narrow Strait
Kizhuyak Passage
Kizhuyak Bay
Settler Cove
Port Lions
Peregrebni Pt
Kekur Pt
Larsen I
Sharatin Bay
Three Pillar Pt
Monashka Mtn
Termination Pt
Miller Pt
George Rk
Hutchinson Reef
Spruce Cape
Monashka Bay
Mill Bay
Williams Reef
Kodiak Rk
Woody I Channel
Sawmill Pt
Vera Bay
Helen Bay
Long Island
Lansing Bluff
Refuge I
Sharatin Mtn
Pyramid Mtn
Kodiak
Pillar Mtn
Gull I
St Paul Hbr
Popof
Discovery Rks
Puffin I
Vasiliev Rk
Pestchani Pt
Elbow Mtn
U.S. COAST GUARD RESERVATION
Erskine Mtn
Old Womens Mtn
Cope Mtn
Seaplane Base
Cliff I
Zaimka I
Cliff Pt
CHINIAK BAY
Womens Bay
Viesoki I
Humpback Rock
Kalsin Reef
Broad Pt
Queer I
Kalsin I
Middle Bay
Kashevaroff Mtn
Herman Mtn
Jug I
Isthmus
Pinnacle Rk
Middle I
Kekur I
Svitlak
Utesiston
Kalsin Bay
Chiniak Pt
Chiniak Lake
Chiniak I
Cape Chiniak
Crown Mtn
Center Mtn
Gaging Station
Cabin
USAF RES
Cape Greville
Sequel Pt
Mayne Range
Boyer Peak
Slope Peak
Twin Peaks
Shaft Peak
Lake Mam
Lake Rose Tead
Hidden Basin
Saltery Cove
Saltery Bay
Sacramento
Olds Cr
Kalsin Cr
Pony Cr
Pillar Cr
Kodiak
Delta
Wei
Cal
Slant
Black
Slow
Letb Pt
Poplar
Brown 2
Crag Pt
Nut
Aziruk Pt
Pilengoit Bay
Cod Pt
Neva Cove
Low
Lto
Blackfish Knee
Sharatin Cove
Kizhuyak Cove
Bluff Pt
Dogfish Pt
Lake Mary
Frye Pt
Bruhn
Sargent Lake
Kashevaroff Creek
Saltery River
Kalsin Cr
Pony Cr
Olds Cr
Kalsin River
Pillar Cr
Chiniak Lake
Hole
Miller Field
Flex
Midway Pt
Isthmus Bay
Brooks Lagoon
Bon
Inner
Seal
Pillar Mtn
Paul Pillar
Buskin Lake
Harmonica Mtn
Airport
Frye Pt
Bruhn
Mary Lt
Sargent Lake
Kashevaroff Creek
Saltery River
Kalsin Cr
Pony Cr
Olds Cr