

ADF&G MULTI-ASSESSMENT FORM
1991 GENERAL ENTRY CHECKLIST

STREAM#: 2511010010
SEGMENT: XX500

PAGE 22

DATE PRINTED: 07/25/91

LOCATION: AFOGNAK ISLAND, RASPBERRY ISLAND

SELIEF BAY ← pls update streams.

SURVEY TYPE: 90 PRE SCREEN - SS

METHOD: GROUND

DATE: 04/28/90

TEAM RECORDER: WEISS

START TIME: 1450

OBSERVERS: BARNHART

END TIME: 1530

TIDES: FLOOD

AGENCY: FG

OG/HAB DISCREPANCIES: -

PHOTOS TAKEN: N

STATION: 2511010010

ROLL#: -0-

FRAME: -0-

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: LOW

SHORELINE TYPE: LAGOON

SUBSTRATE TYPE: BEDROCK -0- BOULDER 15 COBBLE 15 VEGETAT -0-

GRAVEL 40 SAND -0- MUD/SILT 30 GRANULE -0-

ANADROMOUS FISH PRESENT: N

SPECIES: -0-

COUNT: -0-

-0-

-0-

-0-

-0-

-0-

-0-

-0-

-0-

can't find MAD form.

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST

PAGE 22

DATE PRINTED: 07/26/91

STREAM# : 2511010010
SEGMENT#: XX500

SURVEY TYPE : 90 PRE SCREEN - SS
DATE: 04/28/90
TIMES: 1450 - 1530

LOCATION: AFOGNAK ISLAND, RASPBERRY
ISLAND
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-	NO OIL

COMMENTS:

NO OIL FOUND. DID FIND APPROX 40' OF CLEAN ABSORBENT BOOM^M IN HIGH STORM
TIDE OF LAGOON ON SOUTH BANK OF LAGOON. SHOULD BE REMOVED. RECOMMEND NO
ANADSSAT.

90 PRESCREEN



ADF&G MULTI-ASSESSMENT DATA FORM

5-3-91
K. E.

1 SURVEY TYPE: BS GS DS TS AVS SCHA MHMS PTA 2 REGION: PWS KP, CI K. E.

METHOD: Aerial Ground Boat

3 DATE: 4/28/90 15 HIGH TIDE TIMES: 1 21 TEAM RECORDER: E. WEISS

4 START TIME: 1450 16 HIGH TIDE HTS: 1 22 OBSERVERS: J. BARNHART

5 STOP TIME: 1530 17 LOW TIDE TIMES: 11361 23 AGENCY: ADF&G

6 SEGMENT #: XX500 18 LOW TIDE HTS: -4.21 24 PHOTOS TAKEN: Y N

7 STATION #: 19 TIDE HT AT SURVEY: Roll #: Frame:

8 K-UNIT: K0214 Ebb Slack Flood Slack 25 VIDEO TAKEN: Y X TAPE#:

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

10 LAT: 11 LONG: 26 SAMPLES TAKEN? Y X Number

12 SOURCE: Map Loran Oil

13 LOCATION: SELIEF BAY, RASPBERRY ISLAND. Sediment

14 DESCRIPTION: 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: <u>N</u>	VL	L	M	H				
31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain								
32 OILED DEBRIS? Y <u>X</u>								
33 SHORELINE TYPE: Headland <u>Lagoon</u> Low-lying Rocks Marsh Beach Cove								
34 WAVE EXPOSURE: High Moderate <u>Low</u>								
35 SUBSTRATE TYPE: Bedrock Boulder <u>15</u> Cobble <u>15</u>								
Gravel <u>40</u> Sand <u>20</u> Mud/silt <u>30</u>								

36 CATALOGED ANAD. FISH STREAM? X N

37 CATALOG #: 251-10-10010

38 STREAM NAME: SELIEF CREEK

39 OIL IN STREAM BED? Y X

40 OIL ON STREAM BANKS? Y X

41 OIL ON BEACH ADJACENT TO MOUTH? Y X
(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

COMMENTS: NO OIL FOUND. DID FIND X 40 FT OF CLEAN
ABSORBANT BOOM IN HIGH STORM TIDE OF LAGOON ON
SOUTH BANK OF LAGOON. SHOULD BE REMOVED.

ACE 6725827/A →

J. Barnhart

RECOMMEND: NO ANADSSAT E. WEISS

ADF&G MULTI-ASSESSMENT DATA FORM

5-3-91

1 SURVEY TYPE: BS SS DS TS AVS SCHA MMHS PTA2 REGION: PWS KP, CI K, APMETHOD: Aerial Ground Boat3 DATE: 4/28/9015 HIGH TIDE TIMES: 121 TEAM RECORDER: E. WEISS4 START TIME: 145016 HIGH TIDE HTS: 122 OBSERVERS: J. BARNHART5 STOP TIME: 153017 LOW TIDE TIMES: 1136123 AGENCY: ADF&G6 SEGMENT #: XX50018 LOW TIDE HTS: -4.2124 PHOTOS TAKEN: Y (N)

7 STATION #: _____

19 TIDE HT AT SURVEY: _____

Roll #: _____ Frame: _____

8 K-UNIT: K0216Ebb Slack Flood Slack25 VIDEO TAKEN: Y X TAPE#: _____

9 STAT AREA: _____

20 USCG QUAD: _____

Start: _____ End: _____

10 LAT: _____

11 LONG: _____

26 SAMPLES TAKEN? Y X Number

12 SOURCE: Map Loran

Oil

13 LOCATION: SELIEF BAY, RASPBERRY ISLAND.

Sediment

14 DESCRIPTION: _____

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: <u>N</u>	VL	L	M	H				

36 CATALOGED ANAD. FISH SREAM? X N37 CATALOG #: 251-10-1001038 STREAM NAME: SELIEF CREEK39 OIL IN STREAM BED? Y X40 OIL ON STREAM BANKS? Y X41 OIL ON BEACH ADJACENT TO MOUTH? Y X
(within 50 meters)

42 OIL WITHIN 1 MILE OF STREAM? Y N

Where: NOT SURVEYED

31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain

32 OILED DEBRIS? Y X33 SHORELINE TYPE: Headland Lagoon Low-lying Rocks Beach Cove
Marsh43 ANADROMOUS FISH PRESENT? Y (N)34 WAVE EXPOSURE: High Moderate Low35 SUBSTRATE TYPE: Bedrock Boulder 15 Cobble 15Gravel 40 Sand 20 Mud/silt 3044 ANADROMOUS FISH OBSERVATION
Species Aerial Ground

COMMENTS: NO OIL FOUND. DID FIND X 40 FT OF CLEAN
ABSORBANT BOOM IN HIGH STORM TIDE OF LAGOON ON
SOUTH BANK OF LAGOON. SHOULD BE REMOVED.

ACE 6725827/A →

Jeff Barnhart
 RECOMMEND: NO ANADROMAT Ed Weiss

45 PHOTOLOG

FRAME(S)	DESCRIPTION

46 OIL DISTRIBUTION DIAGRAM

= Sample taken
 = Photo frame # and
 shot direction.

Are 6725827/B
 -14P/HF

SHORELINE EVALUATION

SEGMENT ST/ K02-16-XX-500 SUBDIVISION A (1 OF 1) DATE 4/7/90

SEGMENT ENVIRONMENTAL SENSITIVITIES AND TIME CONSTRAINTS:

- 1A Salmon Outmigration (3/1 to 5/15)
1B Stream mouth spawning (7/10 to 8/31)

SUBDIVISION ECOLOGICAL CONSTRAINTS:

Avoid disturbance/damage to uncoiled substrate and biota. See attached Ecological Constraint Sheet.

ARCHAEOLOGICAL CONSTRAINTS:

If treatment is planned, a cultural resource evaluation is required prior to shoreline treatment.

SHPO SIGNATURE: Mark E. Hines

DATE: April 14, 1990

OILING CATEGORIZATION:

Wide 0 m: Medium 0 m: Narrow 0 m: V.Light 0 m: No Oil 4500* m
Subsurface Oil Observed: Yes No X Maximum Depth

RECOMMENDATIONS:

<u>X</u> No Treatment Recommended	<u> </u> Snare/Absorbent Booms
<u> </u> Treatment Recommended	<u> </u> Oil Snares (pom poms)
<u> </u> Manual Pickup	<u> </u> Absorbents (pads, rolls, etc)
<u> </u> Bioremediation	<u> </u> Spot Washing: <u> </u> Wands
<u> </u> Tarmat: <u> </u> Breakup	<u> </u> Beach Cleaner
<u> </u> <u> </u> Removal	<u> </u> Other (see comments)

COMMENTS: * No computer map data - OG estimate used.

TAG COMMENTS:

TAG APPROVAL DATE: 4/14/90.

ADEC JOHN BAUER

EXXON ANDY TEAL

NOAA Bruce W. W. W.

USCG G.A. REITER

FOSC: My L

DATE: 4-22-90

ACE 6725819+/S/PHF

FIELD SHORELINE COMMENT SHEET

SEGMENT ST 12.16 - 50 902 SUBDIVISION: _____ DATE 4-7-90

USCG

NAME: J. D. Hansen, Jr. (M.D.) SIGNATURE: [Signature]

☒ NO TREATMENT RECOMMENDED

☐ TREATMENT SUGGESTED

COMMENTS

No oil sighted.

ADEC

NAME FRANKLINE T BENNIS SIGNATURE [Signature]

☒ NO TREATMENT RECOMMENDED

☐ TREATMENT SUGGESTED

COMMENTS

WALKED SHORE AROUND SOLIER BAY. NO OIL, SURFACE OR SUBSURFACE
OBSERVED.

LAND MANAGER

NAME John Merrick SIGNATURE John Merrick for Afognak Nat'l Corp

☒ NO TREATMENT RECOMMENDED

☐ TREATMENT SUGGESTED

COMMENTS

SHORELINE OILING SUMMARY

REVISION NO. 02/23/88

OG Acton USCG Haven SEGMENT ST/ K2-16-XX-500
 BIO Davis LAND REPA Agency: Navy - Marine SUBDIVISION K2-No-XX-500A
 EXXON Avia ADEC Denise TIME 8:20 to 10:30
 TEAM NO.: 20 TIDE LEVEL: +2 to +6 DATE 4 / 7 / 90
 EST. SUBDIVISION LENGTH: 4500 m ☒ Sun ☐ Clouds ☐ Fog ☐ Rain ☐ Snow
 UPLANDS DESCRIPTION: ☐ Grass ☒ Forest ☒ Rock
 SURVEYED FROM: ☒ Foot ☐ Boat ☐ Helo WORKING DIRECTION: S to N
 SURFACE SEDIMENTS: R 10 % B 10 % C 10 % P 20 % G 15 % S 15 % M 20 % V 0 %
 SLOPE: Long 100 % Hang 0 % Vert 0 % WAVE EXPOSURE: ☐ Low ☒ Med ☐ High
 OIL CATEGORY LENGTH: W 0 m M 0 m N 0 m VL 0 m NO 4500 m

SURFACE OIL

CHARACTER	DISTRIBUTION				OIL / FILM COLOR								IMPACTED ZONES			
	10	15	20	25	30	35	40	45	50	55	60	65	SU	U	M	U
ASPHALT PAVEMENT																
POOLED																
COVER																
COAT																
STAIN																
MOUSSE																
PATTIES																
TARBALLS																
FILM																
NO OIL													✓	✓	✓	✓

PAVEMENT: H F S 0 sq. m by 0 cmPATTIES / TARBALLS 0 BAGSNEAR SHORE SHEEN? ☒ NO BR RW SL TL

OILED DEBRIS	AMOUNT		
	SM	MD	LG
Logs			
Vegetation			
Trash			
Debris			

DEBRIS COLLECTED

☐ YES ☒ NOTYPE 0#BAGS 0

Photographs:

Roll No. ST-20-3Frames 22-26

SUBSURFACE OIL

PIT NO.	PIT DEPTH (cm)	SUBSURFACE OIL CHARACTER					OILED INTERVAL (CM-CH)	BELOW		OIL / FILM COLOR								PIT ZONE	A N A	SUBSURFACE SEDIMENTS
		OP	OR	OL	OF	NO		UO	UC	30	35	40	45	50	55	60	65			
1	20					✓	-											✓		MSGP
2	20					✓	-											✓		SGP
3	20					✓	-											✓		MSGP
4	20					✓	-											✓		SGP
5	30					✓	-											✓		SGP
6	30					✓	-											✓		MSGP

COMMENTS No oil observed in this segment. Entire subdivision was surveyed on foot.

ACE 6725821

SEGMENT ST/ K2-16-XX-500 SUBDIVISION K2-16-XX-500 A

SUBSURFACE OIL (CONTINUED)

PIT NO.	PIT DEPTH (cm)	SUBSURFACE OIL CHARACTER					OILED INTERVAL (CM/CM)	BELOW		OIL / FILM COLOR								PIT ZONE				A N A	SUBSURFACE SEDIMENTS	
		OP	OR	OL	OF	NO		UO	UC	BR	DB	FW	TY	SL	DR	TL	LB	SU	UI	MI	U			
7	30					✓	.										✓							M>GP
8	30					✓	.										✓							M>GP
9	30					✓	.										✓							M>GP
10	30					✓	.										✓							SGP
11	30					✓	.										✓							SGP
12	30					✓	.										✓							M>GP
13	30					✓	.										✓							SGP
14	30					✓	.										✓							M>GP
							.																	
							.																	
							.																	
							.																	
							.																	
							.																	
							.																	

COMMENTS

ACE 6725822

REVIEWED

JW

DATE

4/8/90

OG Acton

SKETCH MAP

SEGMENT ST/ KZ-B-22-500

SUBDIVISION KZ-B-22-500A

DATE 4 / 7 90

CHECKLIST

- ☐ N Arrow
- ☐ Approx. Scale
- ☐ Seg/Sub Bndry
- ☐ Oil Dist
- ☐ Width
- ☐ Length
- ☐ % Cover
- ☐ Substrate Character
- ☐ Est. HM/L/VL
- ☐ SSL
- ☐ Profile Location(s)
- ☐ Profile(s)
- ☐ Pr. Location(s)
- ☐ Photo Location(s)

LEGEND

- Δ
A: - No Subsurface Oil
- 2Δ
P1 - Subsurface Oil
- CT/C

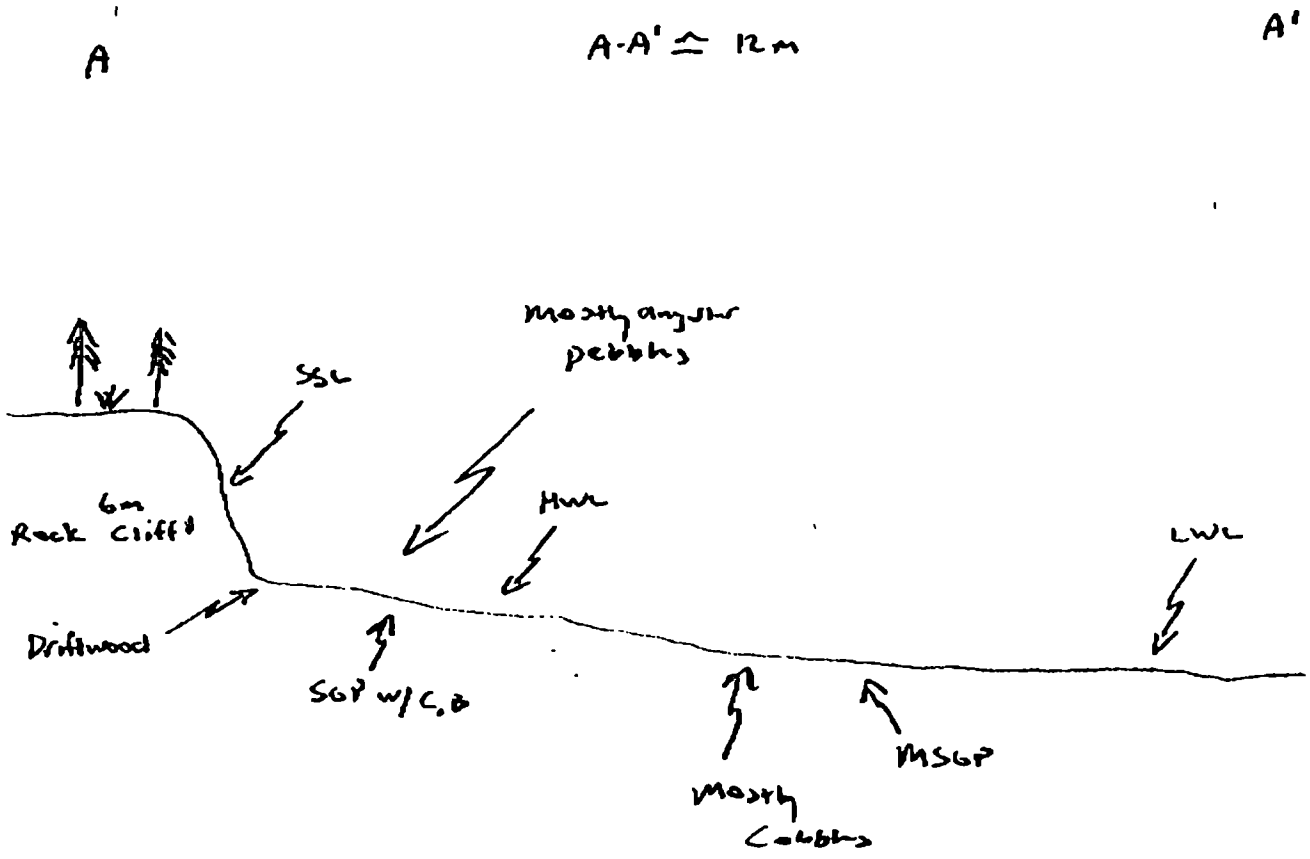
Continuous Distribution
- CT/B

Broken Distribution
- CT/P

Patchy Distribution
- CT/S

Sprinkled Distribution
- Oiled Vegetation
- Photo location, direction, and number

ACE 6725823



SHORELINE ECOLOGICAL SUMMARY

REVISION: 03-22-90

Segment ST / K02-16 Subdivision xx 800A Date (mo / day / yr) 4-7-90

Time (24 hr) 08:35 Biologist H. Davis

- (A) Substrate type and % of segments:
 (1) Bedrock 10% (2) Boulder 10% (3) Cobble 15 (4) Pebble 30 (5) Sand 15 (6) Silt 20
- (B) Overall % cover of biota (% of segment): Dense 30% Moderate 35% Low 35% (40%)
- (C) Density, substrate preference (by number from A, above), & vertical zonation of major taxa: (upper-U; mid-M; low tidal-L); juveniles / adults (X), new settlement (O)

Photographs:
 Roll No. ST-20-3
 Frames 22-26

BARNACLES

Dense			Moderate			Sparse			Rare			
1U	1M	1L	1U	1M	1L	1U	1M	1L	1U	1M	1L	
X	X	2	1U	X	2	X	X	2	X	X	2	NOT PRESENT 5, 6
X	X	3	X	X	3	X	X	3	X	X	3	
X	X	4	X	X	4	X	X	4	X	X	4	
5	5	5	5	5	5	5	5	5	5	5	5	
6	6	6	6	6	6	6	6	6	6	6	6	

MYTILUS

Dense			Moderate			Sparse			Rare			
1U	1M	1L	1U	1M	1L	1U	1M	1L	1U	1M	1L	
2	2	2	2	X	2	X	X	2	X	2	2	NOT PRESENT 5, 6
3	3	X	3	X	X	X	X	3	3	3	3	
4	4	X	4	X	X	X	X	4	4	4	4	
5	5	5	5	5	5	5	5	5	5	5	5	
6	6	6	6	6	6	6	6	6	6	6	6	

GASTROPODS

Dense			Moderate			Sparse			Rare			
1U	1M	1L	1U	1M	1L	1U	1M	1L	1U	1M	1L	
2	X	2	2	X	2	2	X	2	2	2	2	NOT PRESENT 5, 6
3	X	3	3	X	3	3	X	3	3	3	3	
4	4	4	4	X	4	4	X	4	4	4	4	
5	5	5	5	5	5	5	5	5	5	5	5	
6	6	6	6	6	6	6	6	6	6	6	6	

FUCUS

Dense			Moderate			Sparse			Rare			
1U	1M	1L	1U	1M	1L	1U	1M	1L	1U	1M	1L	
2	X	X	2	X	X	2	X	X	2	X	X	NOT PRESENT 5, 6
3	X	X	3	X	X	3	X	X	3	X	X	
4	X	X	4	X	X	4	X	X	4	X	X	
5	5	5	5	5	5	5	5	5	5	5	5	
6	6	6	6	6	6	6	6	6	6	6	6	

Wildlife Observations/ General Comments: Bear, Deer and Elk scat found in the storm wash. Clams in the area: *Sanidomus giganteus*, *Clinoecardium nuttallii*, *Thracia capax*, *Prototheca stelleri*, and *Macoma nasuta* p. 15. I did see 1 adult eagle, crows (12), pelagic cormorants (25), Pinn tail 40%, Surf Scoter (4), Goldeneye sp? (4), and Glaucous winged Gull (10%). Distribution of *Fucus* and *Mytilus* is very patchy with areas of *Mytilus* up to 60% dead. Barnacles show patches of high mortality also, *Uca* and *Callinectes* in area. Sea Otters seen feeding in Bay mouth.

Ecological Considerations: (1A, 1B) Anadromous stream flows into Seelief Bay. In the back bay there are extensive *Mytilus* + *Fucus* beds. In the front area extensive clam flats, *Mytilus* beds, and some areas of *Zostera* meadows.

KODIAK ECOLOGICAL CONSTRAINTS

102-16-XX-500

- 1A Salmon stream mouth - fry outmigration (4/15 to 7/31)
 1B Salmon stream mouth - spawning (7/15 to 9/10; PEAK 8/15)
 No disturbance of stream bed or banks unless authorized by ADF&G. No beach flushing into stream drainage. No bioremediation or other chemical application within 100m of stream. Contact ADF&G Habitat Division prior to treatment for permits.
- 1C Salmon fry nursery area (4/31 to 7/31)
- 1D Kotai Bay Hatchery release
 Pink salmon - late May, early June; Chum salmon - June; Sockeye salmon - early July.
- 1H Remote release site
- 1I Gill net area
- 1J Purse seine area
 Mainland, West side Kodiak, Shuyak & Moser/Olga Bay - 6/9 to 10/1.
 East side Kodiak, East side Afognak - 7/4 to 10/1.
- 1K Purse seine hook-off
- 1L Set net sites
 USFWS setnet uplands permit 5/15 to 9/15.
 For Codes 1C through 1L contact ADF&G for specific dates, locations and constraints.
- 2M Herring spawning (4/15 to 6/30)
 Restrict boat traffic to essential minimum. Avoid damage to unopened intertidal and subtidal algae and seagrass. Contact ADF&G for specific dates and locations.
- 3N, 3P Harbor seal and sea lion pupping (5/10 to 6/30)
 Restrict boat and air traffic to essential minimum. No personnel within 400m. Aircraft to maintain 800m horizontal and 300m vertical distance from haulouts.
- 3O, 3Q Harbor seal and sea lion molting (8/15 to 9/15)
 Restrict boat and air traffic to essential minimum. No personnel within 400m. Aircraft to maintain 800m horizontal and 300m vertical distance from haulouts.
- 5R Seabird colony (5/1 to 8/31)
 Restrict air traffic to essential minimum. No personnel within 800m. Aircraft to maintain 800m horizontal, 300m vertical distance. Contact ADF&G and USFWS prior to treatment.
- 5S Shorebird/waterfowl concentration (4/1 to 5/15)
 Restrict all activity to essential minimum, especially air traffic.
- 5T All Bald Eagle nests (3/1 to 6/1)
 Active Bald Eagle nests (3/1 to 9/1)
 Restrict air traffic to essential minimum. No personnel within 400m 3/1 to 6/1. Air approach and takeoff from and to seaward only; maintain 800m horizontal, 300m vertical distance from nests. Contact USFWS prior to treatment for confirmation of dates.
- 6U Recreation: Tent sites (8/1 to 9/15)
- 6V Anchorages (6/1 to 9/15)
- 6W Forest Service cabins (6/1 to 9/15)
- 6X Lodge (6/1 to 9/15)
- 6Y Special use destination
- 7Z Subsistence area: Salmon harvesting (6/1 to 9/30)
- 7HH Finfish harvesting
- 7II Deer harvesting (8/1 to 1/7)
- 7JJ Invertebrate harvesting
- 7KK Bear harvesting (4/1 to 5/15 and 10/25 to 11/30)
 For Codes 7Z through 7JJ contact ADF&G and Chenega Corporation for specific dates, locations, and constraints.

ACE 6725825

Port
field

Seaplane Base

(APPROXIMATE)

500

4

3

5

Bo

Green

Subdivision
Boundary

K2-10-X4-500A

Approx Scale 1 cm = 200m

10
Tiger Cape

BM

ACE 6725826 -5