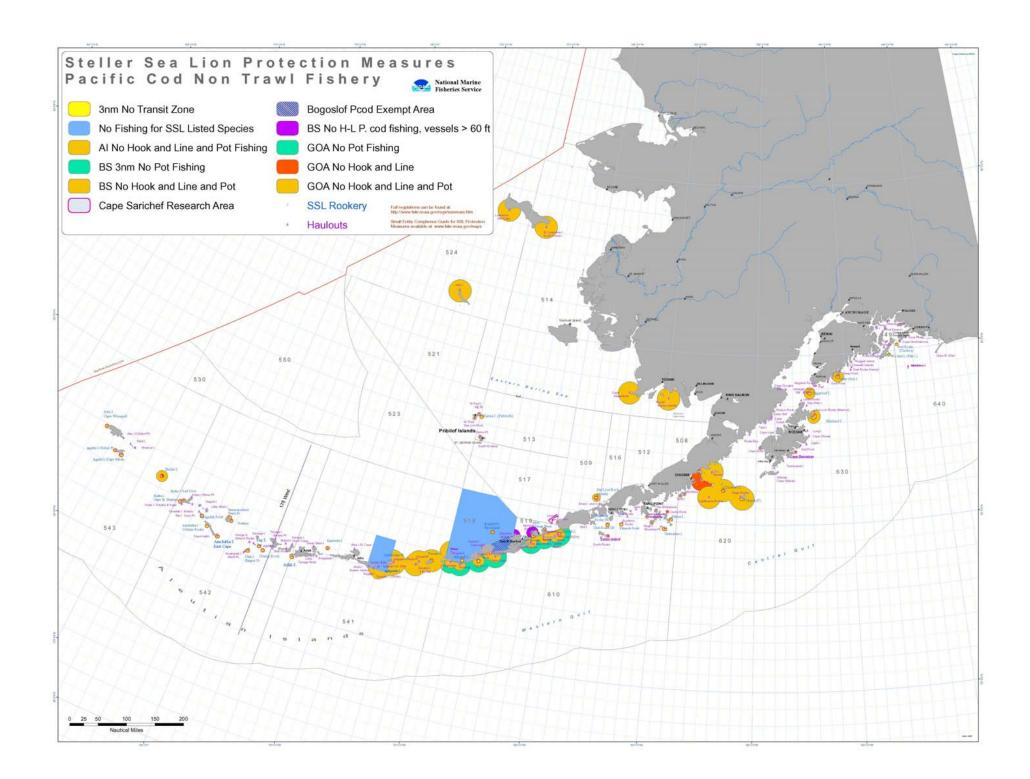
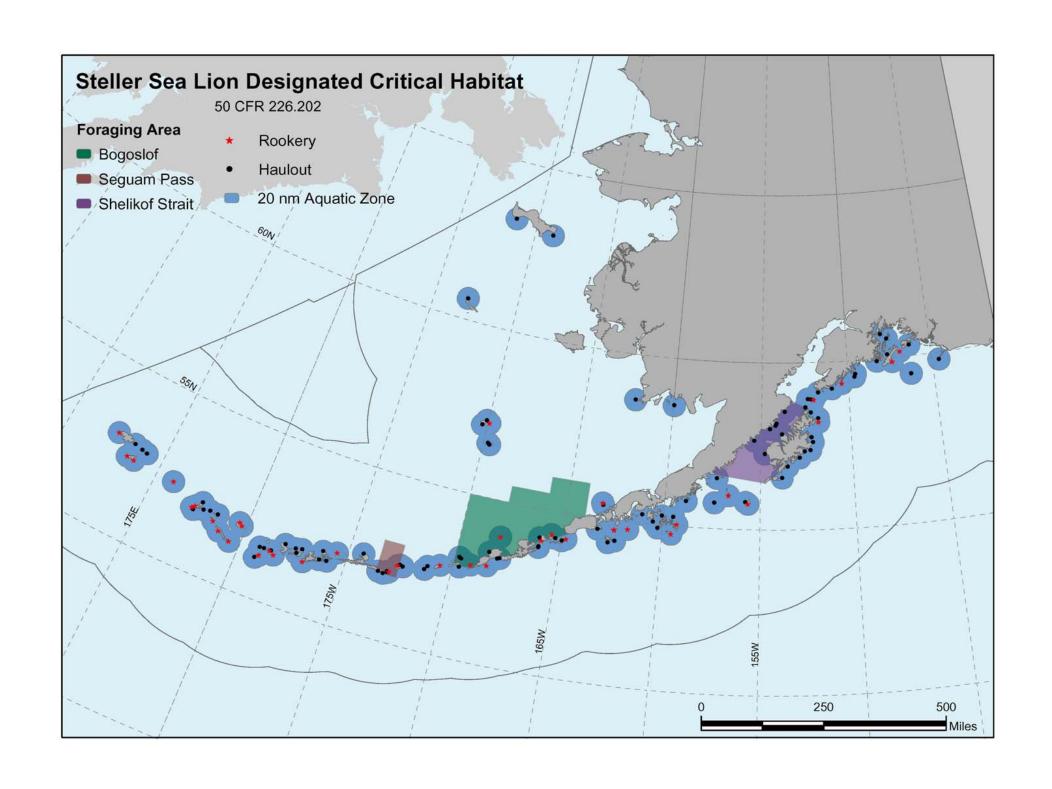
SSL Mitigation Proposal

Thorn Smith

North Pacific Longline Association





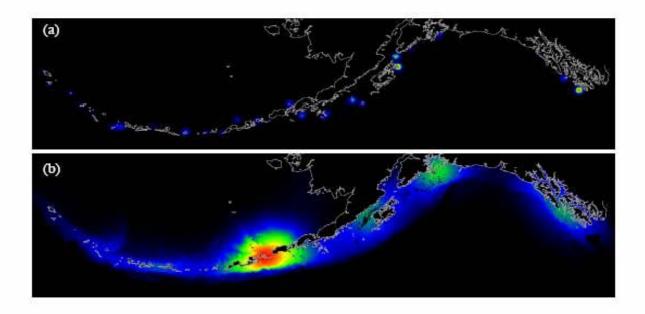


Figure 4. Predicted long-term habitat suitability for female Steller sea lions during summer (a. breeding season) and winter (b. non-breeding season) based on summarized telemetry values, long term count data, and hypothesized habitat use. Suitability ([0,1]) is shaded from black through blue, green, yellow and red (areas with probabilities ≥ 0.75 are red). Regions with the highest suitability had the highest long-term average census counts from 1956 to 2002. From Gregr and Trites (pers. comm., 2005).

Trites et al Ocean Climate

BSAI Pacific Cod December 2005

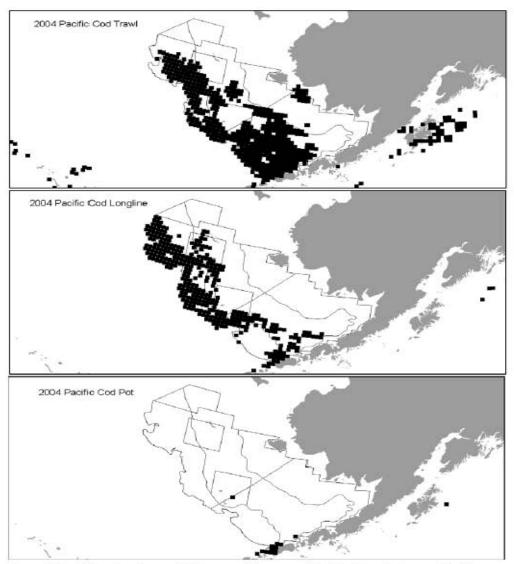
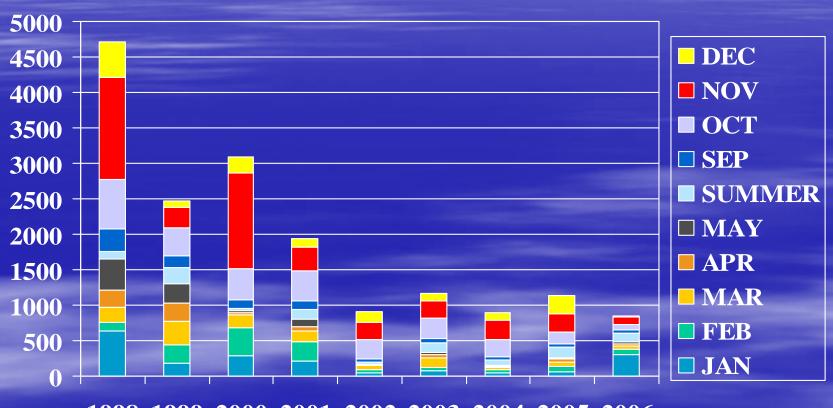


Figure 2.1b—Maps showing each 400 square kilometer cell with at least 3 observed hauls/sets containing Pacific cod in 2004, by gear type, overlaid against strata used in the EBS shelf survey.

FREEZER-LONGLINER INCIDENTAL TAKE OF SEABIRDS IN THE BERING SEA / ALEUTIAN ISLANDS AND GULF OF ALASKA

(OBSERVED BIRDS UNEXTRAPOLATED)

Data provided by Fisheries Information Services
Information complete thru 12/31/06



1998 1999 2000 2001 2002 2003 2004 2005 2006

4/12/07

		FR 3/2/07						
BSAI COD		2005	2006	2007	2008			
TAC		206,000	188,180	170,720	127,070			
	gear share							
H&L CP	0.487	100,322	91,644	83,141	61,883			
CURRENT A B	0.51 0.49 TOT	51,164 49,158 100,322	46,738 44,905 91,644	42,402 40,739 83,141	31,560 30,323 61,883			
REVISED								
A B	0.7 0.3 TOT	70,225 30,097 100,322	64,151 27,493 91,644	58,198 24,942 83,141	43,318 18,565 61,883			
A SEASON INCREASE		19,061	17,412	15,797	11,758			

BSAI hook-and-line catcher processor Pacific cod total catch by week (retained and discarded, no CDQ)

Metric Metric tons divided by # of CPs

			MELLIC	INICTIO TOLIS	aivided by	#01013
WEE	K_END_DATE	# of CPs	tons			
	01-Jan-05	32	645	20		
	08-Jan-05	38	6,855	180		
	15-Jan-05	38	6,418	169		
	22-Jan-05	38	6,155	162		
	29-Jan-05	37	4,761	129		
	05-Feb-05	39	5,985	153		
	12-Feb-05	39	6,500			
	19-Feb-05	39	6,107		160	A season average (by CP by week)
	26-Feb-05	38	2,683	71		
	20-Aug-05	36	2,726	76		
	27-Aug-05	37	3,678			
	03-Sep-05	37	3,569	96		
	10-Sep-05	35	3,158			
	17-Sep-05	37	2,693	100000000000000000000000000000000000000		
	24-Sep-05	37	2,845			
	01-Oct-05	37	3,262			
	08-Oct-05	38	3,661			
	15-Oct-05	36	3,314			
	22-Oct-05	38	2,391			
	29-Oct-05	38	3,009	II.		
	05-Nov-05	37	3,500	0-440-44		
	12-Nov-05	36	2,391			
	19-Nov-05	35	2,662			
	26-Nov-05	35	3,252			
	03-Dec-05	36	4,058	00 000100		
	10-Dec-05	37	3,813		86	B season average (by CP by week)
	17-Dec-05	25	702			
	07-Jan-06	38	6,957			
	14-Jan-06	38	6,594			
	21-Jan-06	38	5,088	I .		
	28-Jan-06	38	5,875			
	04-Feb-06	39	7,490			
	11-Feb-06	39	6,810			
	18-Feb-06	39	6,486	166	168	A season average (by CP by week)

H&L CP				COD	DAILY
SEASONS	BEGIN	CLOSE	DAYS	CATCH	mt
2005 A	1/1/05	2/22/05	52	46,312	891
2005 B	8/15/05	12/12/05	119	53,952	453
2006 A	1/1/06	2/18/06	48	45,167	941
2006 B	8/15/06	10/21/06	67	39,540	590
2007 A	1/1/07	2/12/07	42	39,663	944
2005 TOT			171	100,264	586
2006 TOT			115	84,707	737

SSLMC Proposal Ranking Tool

Effects of fishing on fish

Effects of fishing on SSL

How does fishing alter the prey field?

How sensitive are SSL to fishing? spatial/temporal

How sensitive are SSL to fishing?

diet composition

Season Summer

Winter

Summer-Winter Winter-Summer

Site-type Summer Rookery

Summer Haulout Summer Other Winter Rookery Winter Haulout

Winter Other

Season Summer Winter

% TAC 1-5%

6-10%

No change

Sub-region EGOA

CGOA WGOA EAI/BS CAI

WAI Pribs

Duration Shorter

Longer

Same duration

Proximity 0-3 nm 3-10 nm 10-20 nm 20+ nm

% sites _{1-10%} 11-25%

26-50% 51-75%

76-100%

Not CH

Target Pacific cod
Pollock
Atka mackerel

Other

Thank You

