

SSLMC Proposal Ranking Tool Model Output – REVISED

June 18, 2007

Proposal #	Description	Effects on Prey Field	Effects on SSL Proximity	Effects on SSL Nutrition	Outside the model
1 NO MODEL SCORE	Pollock A starts 10-15 days earlier			Nutrition score .002	Outside model: Shortening window between close of B and start of A Positive economic impact Unknown impact on Chinook bycatch Shoreside logistical concerns Effect b/c it closes earlier – go to cod trawl? – general spill-over effects
2 Net=..0063	Reapportion TAC from B to A, magnitude of shift depending on total TAC (BSAI pollock trawl)	Sum-Wint/1-5%/Same		Wint/EAI-BS/Pollock Nutrition score .0038	Shift occurs when TAC drops below 1.3 MT, but what is effect to SSL? (low biomass) Not based on ABC, but on TAC If shift when biomass low, multiplicatively worse? than when biomass is high Note: TAC shift also affects Pribes Outside model: Positive economic impact Look at A and B season CPUE data
SQ .00000013		Sum/No Chng/same		Sum/EAI-BS/Pollock	
2.1 .0021	WAI			.0009	
2.2 .0021	CAI			.0009	
2.3 .0021	EAI			.002	
3 .00000006 Net= - .00000007	CP Cod Start date shifts 17 days earlier	Sum/No Chng/longer		Nutrition score -.0019	Outside model: Economic benefits? Safer fishing in august Beneficial effects by extending season? Allow king crabbers safer fishing season Shortening window between close of B and start of A Offsetting considerations: may not effectively be a longer season Small number of vessels, small TAC
SQ .00000013		Sum/No Chng/same			

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4 Net=.0051	Reaportion TAC from B to A (BSAI cod - LL CP) A = 1/1 - 2/18 B = 8/15 - 10/21	Sum-Wint/1-5%/same		Wint/EAI-BS/cod Nutition score .00184	Small percentage of whole TAC (8%) Offsetting considerations: most catch will likely shift from late winter to early winter Amount of fishing days will decline – pg 3 of proposal Fishing outside of CH for additional catch in A season Could report an annual ‘shorter’ duration score as well Could be a co-op
SQ=.00190		Sum/No Chng/same		Sum/EAI-BS/cod	
4.1 .0017	WAI			.00017	
4.2 .0017	CAI			.00017	
4.3 .0017	EAI			.0015	
7 RETRACTED	Removing some limits on TAC allocation from inside and outside CH & restrictions on concurrent cod and AM fishing- limit per day included				Changes some limits inside CH and would consider use of coops
8 Total -0.0087	Reduce size of trawl exclusion zone in Seaguam Pass (CAI) for AM trade off with expansion at Cp Wrangel and Buldir (WAI)			Nutition score .0261 Worst case of opening up fishing in WAI for atka	beneficial from trade off at Buldir and and Attu Open up rookeries at seguam, but not foraging area Seguam is 1 of 12 rookeries in central Aleutians (SSL areas) Attu/Cape Wrangell and Buldir are 2 or 4 rookeries in western Aleutians (SSL areas)
8.1 A .0001	CAI winter		wint rk/10-20/1-10%	.0032	

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8.1 B .0004	CAI summer		sum rk/10-20/1-10%	.0071	
8.2 A -0.0035	WAI winter		wint rk/20+/26-50%	.0032	
8.2 B -0.0057	WAI summer		wint rk/20+/1-10%	.0126	
9 Net=- ..00000002	Shifting 29% TAC from B to A (BSAI cod - pot CV >= 60 ft) A = 1/1 - 2/3 B=9/1-12/31	Sum-Wint/no change/same		Wint/EAI-BS/cod Nutition score -.0015	Offsetting considerations: most catch will likely shift from late winter to early winter. The status quo summer in column 3 is worst-case scenario assuming all catch taken in September – first month of B season. Total change in TAC is not detectable by the model, estimated at <1% of that sector's allocation.
SQ .00000012		Sum/No chng/same		Sum/EAI-BS/cod	
10 Net=.0140	Allow all TAC to be harvested in A (WGOA - cod assumed fixed gear from given start date) A=1/1-6/10 B=9/1-12/31	Sum-Wint/>10%/same		Wint/WGOA/cod Nutition score .0032	Outside the model: Large amount of fish not caught in B season, but under this scenario, will likely be taken during the A season. Net increase in harvest.
SQ .00000012		Sum/No chng/same		Sum/WGOA/cod	
10.1 .0070	WGOA			.0017	
10.2 .0070	EAI			.0015	
11 Net= .0140	Increase pollock TAC in A,B by 1/3 (total) (WGOA) A=3/10 B=3/10-5/31 C=8/25-10/1 D=10/1-11/1	Sum-Wint/>10%/same		Wint/WGOA/pollock Nutition score .0063	
SQ .00000012		Sum/No chng/same		Sum/WGOA/pollock	

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11.1 .0070	WGOA			.0043	
11.2 .0070	EAI			.002	
12 .0041 Net=.0028	Open Jude Is. to 10 nm for pollock trawling 9 rooks in WGOA - Jude = 14% of sites		sum rk/10-20/11-25%	Nutrition score .0027	Alternative to open only Pavlof Bay portion Jude is one of 7 rookeries in the western gulf
SQ .0013			sum rk/20+/11-25%		
13 No MODEL SCORE	Removing/increasing catch limits on fixed gear cod (<60ft) fishing in Bogoslof closure area (1 of 9 rooks in EAI)			Nutrition score .0015	Outside the model: Increase in harvest of about 500MT in an already open area Small boats only, small % of overall TAC Adding pot boats
14 Total .0744	Aggregate A and B and C and D pollock seasons when TAC is low (WGOA) A=1/20-3/10 B=3/10-5/31 C=8/25-10/1 D=10/1-11/1			Nutrition score .018	Outside the model: Triggered when TAC is low (biomass is low). SSL effects? Could help control the fishery and keep it under quota.
SQ .00000012		Wint/No chng/same			
14.1 A .0120	EAI winter	Wint/>10%/shorter		.002	
14.1 B .0129	EAI summer	Sum/>10%/shorter		.0025	
14.2 A .012	WGOA winter	Wint/>10%/shorter		.0043	
14.2 B .0129	WGOA summer	Sum/>10%/shorter		.0027	
14.3 A .0120	CGOA winter	Wint/>10%/shorter		.0029	
14.3 B .0129	CGOA summer	Sum/>10%/shorter		.0036	

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Proposal #	Description	Effects on Prey Field	Effects on SSL Proximity	Effects on SSL Nutrition	Outside the model
15 .0023 Net=.0015	Allow trawl pollock fishing to 3nm of Cape Ugat during A and B and to 10 km in C and D (WGOA)		Wint HO/3-10/1-10%	Nutition score .0043	Outside the model: Safety concerns (1 of 26 haulouts in the central gulf)
SQ .0008			Wint HO/10-20/1-10%		
16 .000037 Net=.000037	Move pollock C season back to 9/1 (from 8/25)	SUM/no change/shorter		Nutition score .0036	Outside the model: To prevent conflict with salmon processing Gentleman's agreement to stand down anyway, practically status quo Offsetting considerations: 7 day change only
SQ .00000013		SUM/no change/same			
17 Total .021 SQ .00000013	Re-apportionment of cod TAC in GOA. 17A 100% in A, 17B 80 % in A (both gear types) Afixed=1/1-6/10 Atrawl=1/20-6/10 Bfixed=9/1-12/31 Btrawl=9/1-11/1 SQ = 60/40			Nutition score .0052	Outside the model: Options in proposal include 80/20 or 100/0. the model cannot detect a difference since both are over 10%, triggering that element in the model. More cod will be harvested = economic benefit
17.1 .0070	wgoa	Sum- Wint/>10%/same		.0017	
17.2 .0070	cgoa	Sum- Wint/>10%/same		.002	
17.3 .0070	egoa	Sum- Wint/>10%/same		.0015	

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Proposal #	Description	Effects on Prey Field	Effects on SSL Proximity	Effects on SSL Nutrition	Outside the model
18 .027 Net=-.0017	Allow Cod trawl fishing to 10 nm from 1/20-6/1 and to 20 nm from 6/1 - 11/1 at Chernabura (WGOA)		Wint Rk/10-20/11-25%	Nutrition score .0017	Outside the model: All currently participating vessels are less than 60 feet Opens a fraction of closed area around rookery 1 of 7 western gulf rookeries
SQ .001			Wint Rk/20+/11-25%		
19 total Net=-.0042	Extend closures around Dalnoi Pt (from 3) Prib 20nm year-round			Nutrition score -.0121	Outside the model: Closure would cover other ssl sites Research component – counts of animals in all seasons Reduce bycatch 1 of 9 Bering Sea Haulouts Offsetting considerations: Include 3-10 as well as 10-20 (Look at amount of harvest) and seasonal aspects
19A .0005 Net=-.0022	Expand to 20 winter		Wint HO/20+/1-10%	.0029	
SQ .0027			Wint HO/0-3/1-10%-50%		
19B .0005 Net=-.002	Expand to 20 summer		Sum ho/20+/1-10%	.0092	
SQ .0025			Wint HO/0-3/1-10%		
20 Total .0007	Open Spitz Is. HO to beach for jig and pot gear WGOA Now closed to 3nm			Nutrition score .0037	1 of 13 western gulf haulouts Outside the model: Variable seasonal use by ssl, possibly very little use Would ultimately be a BOF action for state waters fishery.

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Proposal #	Description	Effects on Prey Field	Effects on SSL Proximity	Effects on SSL Nutrition	Outside the model
20 A .0025 Net=.0003	Summer		Sum HO/0-3/1-10%	.002	
SQ .0022			Sum HO/3-10/1-10%		
20B .0027 Net=.0004	Winter		Wint HO/0-3/1-10%	.0017	
SQ .0023			Wint HO/3-10/1-10%		
21 Total .0035 SQ .0005	Open Sutwik to 3nm for cod pot and jig gear CGOA Now closed to 20nm			Nutrition score .0022	Outside the model: 4 vessels Amenable to small boat limits 1 of 26 central gulf haulouts
21 A .0022 Net=.0017	summer		Sum HO/3-10/1-10%	.0002	
SQ .0005			Sum HO/20+/1-10%		
21 B .0023 Net=.0018			Wint HO/3-10/1-10%	.002	

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SQ .0005			Wint HO/20+/1-10%		
22 Total .0448 SQ .0004	Open all CH in AI to pollock trawling to 10 nm from rk and 3nm from HO			Nutition score .036	Outside the model: New effort in AI CH Economic boost for Adak Research component All rookeries and haulouts affected – (other options available) Estimate catch that may occur here
22.1 A .007	CAI rookeries		Wint Rk/10-20/76-100%	.0009	
22.1 B .0154	CAI haulouts		Wint HO/3-10/76-100%	.0009	
22.2 A .007	WAI rookeries		Wint Rk/10-20/76-100%	.0009	
22.2 B .0154	WAI haulouts		Wint HO/3-10/76-100%	.0009	
23 NO MODEL SCORE	TAC allocation split for cod between AI and BS				Can't be addressed by the model
24 RETRACTED	Temporal dispersion of AM fishing in CAI				Outside the model: Trip limits, weekly limits
25 Total .0057	Allow AM fishing to 10 nm from Kasatochi. CAI rook winter			Nutition score .0206	

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25 A .0023 Net = .0019	Winter haulout		Wint HO/3-10/1-10%	.0032	(1 of 12 rks)
SQ .0004			Wint HO/not CH/1-10%		
25B .0022 Net=.0019	summer HO		Sum HO/3-10/1-10%	.0071	1 of 36 haulouts
SQ .0003			SumHO/not CH/1-10		
25 C .0011 Net=.0007	winter rook		Wint rk/10-20/1-10%	.0032	
SQ .0004			Wint rk/not CH/1-10%		
25 D .0017 Net=.0012	Summer rook		Sum rk/10-20/1-10%	.0071	
SQ .0005			Sum rk/not CH/1-10%		
26 .0063	Transfer the BSAI cod trawl CV C apportionment (3.3%) to A. A=1/20-3/8 C=7/19-8/31	Sum-Wint/1-5%/same		Wint/EAI-BS/cod Nutition score .0049	Outside the model: Compacting 3 seasons into 2
SQ .00000012		Sum/no chng/same		Sum/EAI-BS/cod	
26.1 .0021	EAI-BS			.0015	

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26.2 .0021	CAI			.0017	
26.3 .0021	WAI			.0017	
27 .0063	Shift pollock BSAI trawl A from 40% to 45% of TAC A=1/20-4/1 B=6/10-11/1	Sum-Wint/1-5%/same		Wint/EAI-BS/Pollock Nutition score .0038	Likely result in shorter fishery? Groundtruth. Increased efficiency Extra 5% outside of CH Like #2
SQ .00000012		Sum/no chng/same		Sum/EAI-BS/Pollock	
27.1 .0021	EAI-BS			.002	
27.2 .0021	CAI			.0009	
27.3 .0021	WAI			.0009	
28 .00000006 Net =- .00000006	Extend BS pollock B season till 12/1 A=1/20-4/1 B=6/10-11/1	Sum/no change/longer		Nutition score -.0025	Outside the model: Salmon bycatch issues Shortening window between close of B and start of A
SQ .00000012		Sum/no chng/same			
29 .00000006 Net =- .00000006	Make start date for BSAI pollock 5 days earlier A=1/20-4/1	Wint/no chng/longer		Nutition score -.002	Offsetting considerations: Close the A season five days earlier shorten separation between end of B and beginning A season
SQ .00000012		Wint/no chng/same			

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30 (6) total .0132	Open closed areas >3 nm from SSL sites in EGOA near Seward Haul outs Rugged Is. HO, Seal Rx Kenai, Chiswell Rk.			Nutrition score .0004	Chiswell as a rookery under draft biop eastern gulf (1 of 3 rks); Seal Rocks (Kenai) and Rugged Island are 2 of 12 haulouts in eastern gulf Outside the model: Economic benefit for seward Important research rookery
30 (6) A .0099 Net=.0054			Wint Rk/3-10/26-50%		
SQ .0045			Wint Rk/10-20/26-50%		
30 (6) B .0098 Net=.0078	haulouts		Wint HO/3-10/11-25%		
SQ .0020			Wint HO/10-20/11-25%		
31 (182) NO MODEL SCORE	Shift TAC in area M into state waters, subsection of WGOA			Nutrition score .0017	Model NMFS' analysis of proposal Not sure if including SSL protection measures. Outside the model: Handled by BOF
32 (185) NO MODEL	Restrict large vessels from cod fishing in st. water WGOA area 610. winter			Nutrition score .0017	Outside the model: could lengthen season by allocating catch to vessels with lower catch rates Local economic benefit

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SCORE					
33				Nutition score .0032	Outside the Model; Control daily removals rates to help avoid localized depletion Allow slightly higher percentage taken inside CH where AM already occurs
NO MODEL SCORE					