

Roadmap for Crab Workshop Documents

Overview of Crab Management

Topic	Document
State-Federal management under the FMP	Crab FMP (Exec. Summary)
Current overfishing definitions	Crab FMP (sect 6.0) , EA for Amendment 7

Overview of proposed revisions - Working group

Topic	Crab wrkgrp Prog. Report	Statement of work	ADF &G	CPT/SSC minutes
Working group	P. 1-8	All		CPT Sep03, May05, Sep05
Statement of Work				SSC Feb04, Oct04, Oct05
Tier System review	P. 19.			CPT May04, Sep04 SSC Jun04, Feb05
Parameters –input to SPR models	P. 9			CPT Sep04 SSC Jun04
Model simplifications	P. 9		P. 15	
Model structures	P. 9			
Approaches to estimate proxy values for BRP	P. 9			SSC Feb04
Preliminary results	P. 9			

Review of Unresolved Biological parameterization Issues

Topic	ADEFG	NMFS	CPT/SSC min
Measure of effective spawning biomass (ESB)	Sect A P. 1	Sect A P. 9	CPT May05, SSC Feb05
Formulation of effective male spawning stock biomass (SSB)	Sect B P. 2	Sect B P. 10	
Applied mating ratio	Sect C,D P. 3-5	Sect I.5 P. 3, C,D P. 11-12	CPT May05
Use of pre-molt vs. post-molt female size in SSB calculation	Sect F P. 7	Sect F P. 12	
Males participating in reproduction:			
Non-molting males-king crabs	Sect G P. 8	Sect G P. 13	
Old shell males-snow and Tanner crabs	Sect I P. 9	Sect I P. 14	
Female natural mortality estimates	Sect K P. 12	Sect I.3 P. 3	
Stock-Recruitment Relationship (SRR)	Sect J P. 11	Sect J P. 14	SSC Feb05

Review of Modeling and biological reference points

Topic	Documents for discussion
Stock assessment models and link to projection models:	
Snow crab	SSC Jun05, CPT Sep04, CPT Sep05
Red King crab	SSC Oct 04, CPT Sep04 Sep05
Projection models	
Review alternative Biological Reference Points:	
Retain Fmsy=M, for management	
Surplus Production Models	
SPR proxies for Tier 3-type management	NMFS Sect 1.7 p 5
Management Strategy Evaluations	Prog. Rep. Action Item III.10, Sensitivity Analysis P 5
Indicator approaches based on stock condition or other biological factors	Prog. Rep. Action Item III.8, Limit Reference Point System. P. 5, CPT Sep04

<http://www.afsc.noaa.gov/refm/stocks/crabWS.htm>