



Southern and Eastern Scalefish and Shark Fishery 2017-18 Annual Research Plan

Assessment of target, bycatch and by-product species

Fishery	Topic	Proposed Project	Evaluation			
			Cost	Priority	Priority ranking	Feasibility
SESSF – AFMA funding	Integrated Scientific Monitoring Program	AFMA observer program, logbooks	\$600,00 (observers/log books)	Essential	1	High
SESSF – AFMA funding	Fish Ageing	Undertake fish ageing for SESSF to support assessments	\$262,000	Essential	2	High
SESSF – AFMA funding	Fishery Independent Survey	CTS FIS	\$530,000	Essential	3	High
SESSF – AFMA funding	Re-examination of underlying model assumptions and resulting abundance errors in the SESSF Fishery Independent Survey	1) Re-examine some of the underlying assumptions of the survey 2) Use new techniques to potentially create efficiencies in sampling, and 3) examine the utility of the estimates given the process and sampling errors that have been observed.	\$92,000	TBC ¹	4	High

¹ Research item waiting on SESSFrag and SEMAC consultation and support.

SESSF – AFMA funding	Analysis of EM data	A comparison of weights recorded by operators (logbook) and weights estimated by AFMA observers against piece counts recorded by electronic monitoring in order to establish discard weight estimates from piece counts using electronic monitoring.	\$50,000	TBC ²	5	High
SESSF – FRDC funding	Under caught TACs and lack of stock recovery (potential for scoping workshop – with likely different funding source and timing)	Determine why some TACs in the SESSF are under caught and propose options to resolve this where possible Investigate the decline or lack of recovery of low biomass stocks given periods of low catches and expected recovery (eg environmental shift, problems with assessment, loss of biomass signal in obtainable data, violation of assumption of stability in biological characteristics of stocks (environmental?) , fundamental shifts in community composition?)). Project should consider incorporation of Atlantis modelling.	Funded	Top priority	N/A (funded)	High

Ecosystem-based management

Fishery	Topic	Proposed Project	Evaluation			
			Cost	Priority		Feasibility
SESSF	Bycatch	Research to support the upper slope dogfish management strategy: options for monitoring the recovery of Southern Dogfish and Harrison's Dogfish	Funded	High	N/A (funded)	High

² Research item waiting on SESSFRAG and SEMAC consultation and support.

Socio-economic considerations and Management Strategy Evaluations

Fishery	Topic	Proposed Project	Evaluation			
			Cost	Priority		Feasibility
SESSF	Stability in TACs - SMARP phase 2	Assess different approaches to setting multi-year TACs . Quantitatively evaluate increases in risk that may result from implementing multi-year TACs and propose ways to reduce the risk including critical evaluation of precautionary reduction in MYTACs and the large change limiting rule. Evaluate the need for, and possible form of, breakout rules associated with multi-year TACs . Undertake Management Strategy Evaluation of breakout rules	High	Medium	6	High

Integration of data collections processes and dissemination to end users

Fishery	Topic	Proposed project	Cost	Priority		Feasibility

SESSF planned stock
assessment schedule
31.08.16

Species	MYTAC in 2016-17 season?	Last Assessed	AOS					AFMA management comment
			FIS	GAB FIS	FIS	2019	2020	
			2016	2017	2018	2019	2020	
Alfonsino	3rd year of a three year MYTAC	2013			3			Push back because of low catches
Bight Redfish	1st year of 5 year MYTAC	2015					1	5-year MYTAC, due 2020
Blue Eye Trevalla	Single year TAC	2015	4					
Blue Grenadier	3rd year of a three year MYTAC	2013			1			Undercaught and above target
Blue Warehou	N/A	2014						
Deepwater Flathead	3rd year of a three year MYTAC	2013	1					
Deepwater shark east	3rd year of a three year MYTAC	2013		4				
Deepwater shark west	3rd year of a three year MYTAC	2013		4				
Elephant Fish	1 st year of a three year MYTAC	2013		4				Run Tier 4 assessments in 2017
Flathead	3 rd year of a three year MYTAC	2016	1					
Gemfish - East	N/A	2010		1				SESSFRAG recommended postponing the eastern gemfish assessment until 2017
Gemfish - west	3rd year of a three year MYTAC	2011	1/4					Reliant on stock structure report from ABARES and ability of data to inform the assessment
Gummy Shark	3rd year of a three year MYTAC	2013	1					
Jackass Morwong	1st year of a three year MYTAC	2015			1			
John Dory	2nd year of a three year MYTAC	2013		3				
Mirror Dory	Single year TAC	2015	4					

Ocean Perch	3rd year of a three year MYTAC	2013		4				SESSRAG recommended moving 'batch' Tier 4 in 2017.
Orange Roughy - south	N/A	2000						
Orange Roughy - east	N/A	2006		1				
Orange Roughy - west	N/A	2002						Limited effort, bycatch TAC
Orange Roughy - Cascade Plateau	N/A	2009						Limited data
Orange Roughy - Albany & Esp	N/A	N/A						Limited effort, bycatch TAC
Oreo Smooth - Cascade	Long term TAC (catch dependent)	2010						Limited data
Oreo Smooth - other	Long term TAC (catch dependent)	2010						Limited data
Oreo Basket	2nd year of a three year MYTAC	2013		4				Push back to 2017
Pink Ling	2nd year of a three year MYTAC	2015			1			
Redfish	N/A, bycatch TAC	2013		1				
Ribaldo	3 rd year of a three year MYTAC	2013		4				Push back to 'batch Tier 4'
Royal Red Prawn	3rd year of a three year MYTAC	2013		4				Move back to 'batch' Tier 4
Saw Shark	Seek advice from SEMAC/stakeholders	2013		4				Run Tier 4 assessments in 2017
School Shark	N/A (Index of Abundance start 14/15)	2012			1			Potential for 2018 depending on close kin
School Whiting	Long term TAC	2009		1				Data work in 2016 including ageing issues and NSW data catch rate standardisation and ageing data
Silver Trevally	3 rd year of a three year MYTAC	2013		4				
Silver Warehou	1st year of three year MYTAC	2015			1			
			2016	2017	2018	2019		