



Protected fish CSP RAG 11 Mar 2014



Scope

- 7 Protected sharks
 - White pointer
 - Oceanic white tip
 - Deepwater nurse
 - Basking
 - Whale
 - Spine tailed devil ray
 - Manta ray
- 2 Protected teleosts
 - Giant grouper
 - Spotted black grouper
- Interaction, Population and Mitigation



Informed by NPOA-Sharks and CSP Strategic Statement

- Goals NPOA-Sharks
 - Biodiversity and long-term viability of shark populations
 - Domestic engagement and partnerships
 - International engagement
 - Research and information

CSP Guiding Objectives

- Proven mitigation strategies are in place.
- The nature of direct effects of commercial fishing on protected species is described.
- The extent of known direct effects of commercial fishing on protected species is adequately understood.
- The nature and extent of indirect effects of commercial fishing.
- Adequate information on population level and susceptibility to fisheries effects exists.





Risk-Based Prioritisation

- Informed by Francis and Lyon 'Review of commercial fisheries interactions and population information for protected fish species' (2012)
 - Informs key knowledge gaps
 - Identifies key areas of interaction
 - Indicates species of key priority
- Refined by outputs of level 1 and 2 risk assessments (due Dec 2014)



Species	Research	Year				
		2014/15	2015/16	2016/17	2017/18	2018/19
Basking shark	L1RA					
	L2RA					
	MIT					
	SURV					
	LIVE					
	TRACK					
	BIO GEN					
Deepwater nurse shark	L1RA					
	L2RA					
	MIT					
	SURV					
	LIVE					
	TRACK					
	BIO GEN					
Oceanic whitetip shark	L1RA					
	L2RA					
	MIT					
	SURV					
	LIVE					
	TRACK					
	BIO GEN					
Whale shark	L1RA					
	L2RA					
	MIT					
	SURV					
	LIVE					
	TRACK					
	BIO GEN					
White pointer shark	L1RA					
	L2RA					
	MIT					
	SURV					
	LIVE					
	TRACK					
	BIO GEN					
Manta ray	L1RA					
	L2RA					
	MIT					
	SURV					
	LIVE					
	TRACK					
	BIO GEN					
Spinetail devil ray	L1RA					
	L2RA					
	MIT					
	SURV					
	LIVE					
	TRACK					
	BIO GEN					
Giant grouper	L1RA					
	L2RA					
	MIT					
	SURV					
	LIVE					
	TRACK					
	BIO GEN					
Spotted black grouper	L1RA					
	L2RA					
	MIT					
	SURV					
	LIVE					
	TRACK					
	BIO GEN					



Gaps

- Project ideas?

Prioritisation guidance using CSP principles