CSP Research Proposals 2021/22: Initial prioritisation

These tables summarise research proposals for delivery by the Bycatch Programme in 2021/22, for consideration by the RAG. The proposals have been given initial prioritisation according to the framework described in the CSP Strategic Statement. Projects are ordered by ranking.

Proposal	Title	Duration	Cost/ annum ($ 000s)	Total cost ($ 000s)	CSP Objective	Weighted score
INT-1	Observing commercial fisheries	1	N/A	N/A	A, B, C	-
INT-6	Characterisation of protected coral interactions	1	$30,000	$30,000	A, B, C	**4.45**
INT-3	Review of commercial fishery interactions with New Zealand non-Chondrichthyan protected fish and marine reptiles	1	$20,000	$20,000	A, B, C	**4.35**
INT-4	Collection and curation of tissue samples from protected fishes and turtles	3	$20,000	$60,000	B, C, E	**3.90**
INT-2	Post-release survival rates of seabird bycatch in commercial fisheries	1	$50,000	$50,000	B, C	**3.20**
INT-5	Behaviour of Hector's dolphins around set nets at Kaikōura	1	$200,000	$200,000	B	**2.95**

Proposal	Title	Duration	Cost/ annum ($ 000s)	Total cost ($ 000s)	CSP Objective	Weighted score
POP-4	Identify protected coral hot spots using species distribution models	1	$60,000	$60,000	A, C, E	**4.45**
POP-5	Impact of fishing on the ecosystem services provided by deep-sea corals in the New Zealand region	2	$70,000	$140,000	A, B, E	**4.15**
POP-6	Deep-sea protected coral reproduction	2	$40,000	$80,000	E	**4.00**
POP-9	Seabird population research: Chatham Islands	1	$40,000	$40,000	E	**3.75**
POP-17	Black petrel research	1	$75,000	$75,000	E	**3.55**
POP-1	Age estimation of white sharks from New Zealand waters	1	$50,000	$50,000	E	**3.45**
POP-2	Understanding bycatch thresholds of great white sharks	2	$80,000	$160,000	C, E	**3.25**
POP-18	Fur seal population estimate and bycatch analysis, Cook Strait	2	$60,000	$100,000	B, E	**3.25**
POP-19	Genetic connectivity of Hector's the across the top of the South Island	1	$40,000	$40,000	E	**3.25**

Proposal	Title	Duration	Cost/ annum ($ 000s)	Total cost ($ 000s)	CSP Objective	Weighted score
POP-3	Determine protected deep-sea coral distribution from seabed imagery	1	$23,000	$23,000	E	**3.25**
POP-10	White-capped albatross research and monitoring – Disappointment Island (2021-24)	3	$40,000	$120,000	E	**3.20**
POP-12	Assessment of causes of low burrow occupancy rates in Westland petrels	2	$60,000	$120,000	E	**3.15**
POP-20	Acoustic monitoring of Hector's dolphin interactions with harbour set nets	1	$150,000	$150,000	E	**3.15**
POP-8	Flesh-footed shearwater population monitoring	3	$60,000	$180,000	E	**3.00**
POP-11	Gibson's albatross - Auckland Islands seabird research	3	$100,000	$300,000	E	**2.80**
POP-15	Southern royal albatross population research and monitoring- Campbell Island 2021-23	2	$80,000	$160,000	E	**2.75**
POP-13	Light-mantled sooty albatross population monitoring- Adams Islands	3	$40,000	$120,000	E	**2.65**
POP-16	Otago and Foveaux shag population estimate	3	$30,000	$90,000	E	**2.55**
POP-7	Investigating foraging plasticity for north-eastern New Zealand seabirds	2	$70,000	$140,000	D	**2.30**
POP-14	Grey petrel population assessment – Antipodes Island	1	$80,000	$80,000	E	**2.25**

Proposal	Title	Duration	Cost/ annum ($ 000s)	Total cost ($ 000s)	CSP Objective	Weighted score
MIT-1	Protected Species Liasion Project	3	$250,000	$750,000	A, B	**4.80**
MIT-2	Cetacean interactions with pot fisheries in New Zealand waters	1	$40,000	$40,000	A, B	**4.00**
MIT-4	Inshore trawl mitigation project	1	$80,000	$80,000	A	**3.80**
MIT-5	Develop protocols for increasing sink rates for bottom longline	1	$80,000	$80,000	A	**3.80**
MIT-3	Eliminating hoiho bycatch in set net fisheries	1	$50,000	$50,000	A	**3.45**