

CSP Research Proposals 2023/24: Initial prioritisation

These tables summarise research proposals for delivery by the Conservation Services Programme in 2023/24, 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		N/A	N/A	A, B, C	-
INT 7	Species identification of camera-detected protected species captures in New Zealand fisheries	1	\$40,000	\$40,000	A	4.65
INT 11	Characterising surface longline fishing fleet behaviour for sea turtle bycatch	1	\$50,000	\$50,000	A	4.65
INT 2	Identification of marine mammals, turtles and protected fish captured in New Zealand fisheries	3	\$15,000	\$45,000	B & C	4.45
INT 10	High-resolution estimation of species diversity for a protected coral family commonly occurring as trawl bycatch	1	\$58,000	\$58,000	B, E	4.15
INT 12	Investigating the impact of fisheries on endangered hoiho diet, microbiome, and disease susceptibility	2	\$50,000	\$100,000	D, E	4.00
INT 8	Relationship between surface foraging seabirds in the Hauraki Gulf and fish school workups	1	\$30,000	\$30,000	D	3.75

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INT 9	Expert identifications of protected corals	1	\$30,000	\$30,000	B, E	3.65
INT 3	Sub-antarctic albatross diet: composition of natural prey versus fisheries bait/waste	1	\$40,000	\$40,000	B,E	3.55
INT 5	Understanding the extent and usage of coral rubble reporting codes by fisheries observers	1	\$10,000	\$10,000	B	3.30
INT 4	Impact of fisheries extractions on pelagic foraging seabird populations in the wider Hauraki Gulf area	3	\$30,000	\$90,000	D	3.30
INT 6	Understanding coral bycatch - assessing large catches	1	\$40,000	\$40,000	B	2.90
POP 11	Aerial survey of leatherback turtles off Northeast North Island	1	\$200,000	\$200,000	B,E	4.50
POP 6	Snares Buller's albatross: modelling of return and recruitment rates	1	\$60,000	\$60,000	E	4.45
POP 4	Snares: Southern Buller's population study	3	\$150,000	\$450,000	E	4.35
POP 5	Seabird breeding biology: Southern Buller's and Foveaux/Otago shag	1	\$20,000	\$20,000	E	4.10
POP 10	Updated population estimate and marine habitat utilisation of yellow-eyed penguins/hoiho breeding on Campbell Island	2	\$100,000	\$200,000	C, D, E	4.00

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POP 17	Deep-sea protected coral reproduction - next steps: Specimen collection and method development	2	\$25,000	\$50,000	E	3.80
POP 7	Salvin's albatross population study at Bounty Islands	2	\$140,000	\$280,000	C & E	3.65
POP 8	Westland petrel annual movements and colony activity patterns	1	\$20,000	\$20,000	E	3.65
POP 9	Campbell Island seabird research	2	\$90,000	\$180,000	C & E	3.45
POP 1	Auckland Islands New Zealand sea lions	3	\$150,000	\$450,000	E	3.45
POP 16	Comprehensive aerial survey for SI Hector's - population estimates NCSI	1	\$500,000	\$500,000	E	3.40
POP 14	Inshore seabird colony mapping, populations, behaviour	2	\$150,000	\$300,000	D & E	3.25
POP 2	Spotted shag: South Island population review	2	\$45,000	\$90,000	E	3.20
POP 3	Otago and Foveaux shag: foraging distribution and fisheries overlap	3	\$20,000	\$60,000	E	3.20
POP 13	White-capped albatross population estimate	1	\$60,000	\$60,000	E	2.65

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POP 15	Fur seal population estimate	1	\$500,000	\$500,000	B & E	2.35
POP 12	Grey Petrel Campbell Island survey	1	\$90,000	\$90,000	E	2.00
MIT 1	Understanding the relationship between fish hook size and bait type with seabird and turtle captures	1	\$50,000	\$50,000	A,B,C	4.35
MIT 6	Understanding and mitigating seabird and turtle bycatch during the pelagic longline soak period	1	\$80,000	\$80,000	A & B	4.25
MIT 7	Describing the marine habitat utilisation and diet of hoiho to analyse the effectiveness of mitigation tools at a major breeding colony on Rakiura/Stewart Island	1	\$40,000	\$40,000	A , E	3.90
MIT 3	Synthetic trawl warps to mitigate seabird warp strikes	1	\$60,000	\$60,000	A	3.60
MIT 4	Enabling uptake of best practice seabird bycatch mitigation in the surface longline fishery	1	\$100,000	\$100,000	B	3.60
MIT 2	Underwater line setting devices for bottom longline vessels	2	\$75,000	\$150,000	A	3.45
MIT 5	Novel seabird bycatch mitigation for floated demersal longline fisheries	1	\$120,000	\$120,000	B	3.05

To be considered in 2024/25

Proposal	Title	Duration	Cost/ annum (\$ 000s)	Total cost (\$ 000s)	CSP Objective	Weighted score
INT	Mapping the spatial and bathymetric ranges and diversity of stylasterid corals in Fiordland.	1	\$60,000	\$60,000	B,E	4.35
INT	Impact of fishing on the ecosystem services provided by deep-sea corals in the New Zealand region	1	\$100,000	\$100,000	B, D, E	4.25