



Appendix D

Option Viability Assessment

																	RA Threat 1 RA Threat 2 RA Threat 3	. RA Threat 4	RAThreat 5	RAThreat 7	CD Threat 1	CD Threat 3		EGC Threat :	EGC Threat	CH Threat 2	CH Threat 5	CH Threat 9	CH Integral						59
ID 1	Threat		Management Area	Management Option	Supporting statement	Option Type	Location		Future Risk (2100)	Level of assessment	Lead Agency	Partners	Funding Source	Capital Cost	Timing	Recurrent Annual Costs	Medium High Mediu	2	2 3	3	3 2	2 3		igh High	4 4	4 4	me High High		Threat 2 Mitigatio	Social n Benefit Score	Environmental Benefit Score	Acceptability Score	Total Score	Adjusted for Cost Score	Include in CMP / CZEAP
CD1_A	D Threat	Coastal development resulting in loss of plant and animal species (habitat listurbance or loss)	Coastal Environment Area	Snapper Island Penguin monitoring program	The penguins local to Batemans Bay are found only on islands, where there were no cats, foexe, dogs or humans. About 15 percent of this population live on Snapper Island, Council's sustainability team and Landcare volunteers undertake work on Snapper Island, clearing environmental weeks and plastic pollution and providing additional nesting opportunities for the little penguins. This option recommends ongoing monitoring of the Penguin colony on Snapper Island.	Alert	Snapper Island, Batemans Bay	Medium	High	MCA Only	Council	NA NA	Council, C&E Grants, NSW Environmental Trust	\$9,000	Year 1 and ongoing	\$9,000	1 1 0	0	1 1	0	0 0	1 0	2	1 2	0 0	0 0	0 0	0	0 6	0	2	2	10	5	СМР
CD1_B	D Threat	Coastal development resulting in loss of plant and animal species (habitat disturbance or loss)	Coastal	Dune vegetation managemen northern end of Broulee beach	Dune vegetation management to prioritise the		Broulee	Medium	High	MCA Only	Council	DPE	Council, C&E Grants, NSW Environmental Trust, Coastcare Grants	\$10,000	Year 2 to 4 and ongoing	\$10,000	2 2 0	0	1 0	0	2 0	0 1	0	0 0	0 2	2 1	0 0	2	0 15	0	1	2	18	9	СМР
CD1_C	.D Illreat	Coastal development resulting in loss of plant and animal species (habitat disturbance or loss)	Coastal Environment Area	Weed management in coastal areas	Council staff identified significant weed growth along many of the coastal headlands within the LGA.	Active intervention	All	Medium	High	MCA Only	Council	DPE, LLS	Council, C&E Grants, NSW Environmental Trust, Coastcare Grants	\$10,000	Year 2 to 4 and ongoing	\$10,000	0 1 0	0	0 0	0	2 0	0 0	0	0 2	0 1	0 0	0 0	1	1 6	0	2	2	10	5	СМР
CD2_A	CD Threat s	Water pollution from urban stormwater and treated effluent discharge	Coastal Use Area	Investigate source of water quality issues at Surf Beach	Water quality issues have been identified by the community (through the community working groups) and by Mogo LALC. It was suspected that the issues were a result of inaffil leachate / runoff, stormwater or sewer overflow. Investigation was carried out including water quality testing, which confirmed no bacterial contamination at froulee, but examination of Surf Beach is ongoing.		Surf Beach & Broulee	Low	Medium	MCA Only	Council	DPE, DPI, Tranditional Owners	Council, C&E Grants, NSW Environmental Trust	\$15,000	Year 2 to 4 and ongoing	\$0	0 0 0	0	0 0	0	0 2	1 0	1	0 1	1 0	0 0	0 0	0	0 4	1	2	2	9	5	СМР
CD2_D	CD Threat s	Water pollution from urban stormwater and treated effluent discharge	Coastal Environment Area	The CMP identified high risk locations with regards to urba drainage impacts on marine water quality. Consider installation of water quality improvement devices (e.g. GPTs) at key locations to improve receiving water quality to Actions 2.3 can dq. 3.d in the Marine Park Management Pla	See option details and analysis in CMP ity. n e	Active intervention	All	Low	Medium	MCA Only	ESC	DPE	Council, C&E Grants, NSW Environmental Trust	\$50,000	Year 2 to 4	\$1,000	0 0 0	0	0 0	0	± 2	2 0	0 ·	e e	0	0 0	0 0	0	0 3	0	1	1	5	3	No
CD3_B	D Threat	Pollution of water, beach sand and other habitat areas with litter, solid waste, marine debris and microplastics		Beach watch monitoring program for water quality at recreational beaches - Continued Program	The Beachwatch Program, in partnership with DPE, is undertaken every year from the start of November to the end of March, with five samples collected each month from 11 popular beaches.	Alert	Cookies Beach Caseys Beach Surf Beach Malua Bay Broulee North South Broulee Beach Shelley Beach Tuross Main Beach Brou Beach Narooma shark net Narooma Main Beach	Low	Medium	MCA Only	ESC	DPE	Council	\$10,000	Year 1 and ongoing	\$10,000	0 0 0	0	0 0	0	1 2	2 0	1	0 1	0 0	0 0	0 0	0	0 4	1	2	2	9	5	СМР
CD3_C	CD Threat C 4 e		Coastal Wetlands and Litteral Rainforests Area	Support DPF-Fisheries in preparing a Marine Vegetation Strategy to Identify priority areas for the protection of healthy mangrove and sattmarsh areas and rehabilitation of degraded areas.	The Marine Vegetation Strategy methodology and its estuary specific application, focuse in creasing the resilience of intertidal macrophyte systems to see-level rise and other threast and risks in ways that maintain, and maximise, the social, cultural and economic values these systems provide to the community well-being. DPI Fisheries is expecting to commence a strategy for Eurobodalia in mid-2022. The community engagement undertaken as part of this CMP identified protection of intertidal macrophyte ecosystems under climat change and urban pressures as a key community issue.	^y Alert	All	Medium	High	MCA Only	ESC	DPI, DPE	Council	\$0	Year 2 to 4	\$0	0 0 0	0	0 0	0	2 0	0 2	1	0 2	0 0	0 0	0 0	0	0 5	0	2	0	7	7	СМР
CHA_A	CH Threats A	All CH Threats	Coastal Vulnerability Area	Property Development Planni Controls		Planning for change	Coastal Vulnerability Area	High	High	MCA Only	ESC	DPE	Council	\$0	Year 1 and ongoing	\$0	0 0 0	0	0 0	0	1 0	0 2	1	0 1	0 2	2 2	2 2	2	2 23	0	0	0	23	23	СМР
CH1_A	CH Threat 1	Beach Erosion		Supported dune recovery following erosion events.	Supported dune recovery following erosion events. This may be achieved through restrictin access to eroded locations to minimise further disturbance, sand scraping, revegetation. Any scraping and grooming methodologies should consider the finding of Action 1.3c in the Marine Park Management Plan.	Active	South Durras	Low	Low	MCA Only	ESC	DPE, DPI	Council, C&E Grants	Dependa	nt on magnitude of erc	ssion event.				,	Works only in re	sponse to an e	rosion event - fo	or inclusion i	n CZEAP				0	0	1	1	2	2	CZEAP
CH1_B	CH Threat E	Beach Erosion		Northcove Road erosion protection and flood proofing	See option details and analysis in CMP	Active intervention	Maloneys Beach	None	Medium	MCA and CBA	ESC	DPE, DPI	Council, C&E Grants, Floodplain Management Grants	\$1,900,000	Year 5 to 10	\$19,000	0 0 0	0	0 0	0	0 0	0 1	0	0 1	0 2	2 2	1 1	0	0 16	2	0	2	20	5	СΖЕАР
CH1_Ba	CH Threat 1	Beach Erosion	Coastal Vulnerability Area	Northcove Road erosion protection and flood proofing Investigation and design only	The analysis undertaken of the full implementation of the works as part of the CM identified that the existing risk was not significant, and as a result the coast benefit analysis did not support the implementation of 5° erosion and flood proofing within the CMP 30 year plan. However, a future need for these works was identified, as a result the investigation and design works are required as an outcome of the CMP.	f Planning for change	Maloneys Beach	None	Medium	MCA and CBA	ESC	DPE, DPI	Council, C&E Grants, Floodplain Management Grants	\$200,000	Year 2 to 4	\$0									Outcome of	CH1_H Analysis							'		СМР
CH1_C	CH Threat 1	Beach Erosion		/ Dune management for coasta hazard protection	Dune management for coastal hazard protection: nourish, build low dunes and vegetate	Active intervention	Long Beach	Medium	Extreme	MCA Only	ESC	DPE, DPI	Council, C&E Grants	\$800,000	Year 2 to 4	\$20,000	0 1 0	0	0 0	0	1 0	0 0	0	0 1	0 2	2 2	1 0	2	0 16	0	0	1	17	6	CZEAP
CH1_D	CH Threat	Beach Erosion	Coastal Vulnerability Area	Low rock wall to protect publi infrastructure: Bay Road (Stag 1)	ic ge See option details and analysis in CMP	Active intervention	Long Beach	Medium	Extreme	MCA and CBA	ESC	DPE, DPI, Tranditional Owners	Council, C&E Grants, Crown Reserves Improvement Fund	\$2,250,000	After Year 10	\$450		w	orks not require	d within 10 Yea	er CMP Busines:	Plan. For cons	deration in CZE	AP (i.e. trigg	ered by erosion e	event), or in CMP	review		0	0	0	1	1	#VALUE!	CZEAP
CH1_E	CH Threat	Beach Erosion	Coastal Vulnerability Area	Low rock wall to protect priva properties and council assets (Stage 2)	ste See option details and analysis in CMP	Active intervention	Long Beach	Medium	Extreme	MCA and CBA	ESC	DPE, DPI, Tranditional Owners	Council, C&E Grants, Crown Reserves Improvement Fund	\$1,750,000	After Year 10	\$350		w	orks not require	d within 10 Yea	er CMP Busines:	Plan. For cons	deration in CZE	AP (i.e. trigg	ered by erosion (event), or in CMP	review		0	0	0	1	1	0	CZEAP
CH1_DE	CH Threat E	Beach Erosion		Low rock wall to protect publi	The analysis undertaken of the full implementation of the works as part of the CM indemneration of the works as part of the CM identified that the existing risk was not is significant, and as a result the coast benefit analysis did not support the implementation of erosion and flood proofing within the CMP 10 year plan. However, a future need for these works was identified, as a result the investigation and design works are required as an outcome of the CMP.	f Active intervention	Long Beach	Medium	Extreme	MCA and CBA	ESC	DPE, DPI, Tranditional Owners	Council, C&E Grants, Crown Reserves Improvement Fund	\$200,000	Year 2 to 4	\$0									See CH1_I	D and CH1_E									СМР
CH1_H	CH Threat 1	Beach Erosion	Coastal Vulnerability Area	Revetment running parallel to the shoreline at Surfside Beac combined with beach nourishment	ch, See option details and analysis in CMP	Active intervention	Surfside	Low	High	MCA Only	ESC	DPE, DPI, Tranditional Owners, TfNSW (MIDO)	Council, C&E Grants, Crown Reserves Improvement Fund, Coastal Protection Service Charge	\$5,000,000	After Year 10	\$20,000		_		Erosion ris	k does not trig	er the need fo	option within t	he 10 Year C	MP Business Pla	in			0	0	-2	0	-2	-1	No
CH1_I	CH Threat E	Beach Erosion	Coastal Vulnerability Area	Offshore low-crest breakwate in front of Surfside Beach, combined with beach nourishment	ers See option details and analysis in CMP	Active intervention	Surfside	Low	High	NA	NA	NA	NA NA	NA	NA	NA				Re	uled out as part	of engineering	viability assessr	ment - see de	escription				0	0	0	0	0	0	No

																	reat 1	reat 3	reat 5	reat 7	reat 1	reat 3	reat 4	hreat :	hreat i	reat 1	reat 2	reat 5	reat 9	reat 14						59
					-			Current	Future Risk	Level of						Recurrent Annual	부 분 설 Medium High Me	Edium Mediu	# # # # # # # # # # # # # # # # # # #		gh Mediur	8 Medium	High H	igh High		Extreme Ext		High Hig	古 Low Me	Threat	Social	Environmental A	Acceptability _	Aı	adjusted for	nclude in CMP /
ID TI	reat			Management Option	Supporting statement	Option Type	Location	Risk (2021)		assessment	Lead Agency	Partners	Funding Source	Capital Cost	Timing	Costs	2 3	2 2	2 3	3	3 2	2	3	3 3	3 4	4	4 4	3 3	1	2 Mitigation Score	n Benefit Score	Benefit Score			Cost Score	CZEAP
CH1_Ka C	Threat 1 Beach Ero	sion		Wharf Road Protection Stage 1: Priority works at exposed corner of Wharf Road	See option details and analysis in CMP	Active intervention	Wharf Road	Medium	High	MCA and CBA	DPE	ESC	Election Commitment	\$2,100,000	Year 1	\$21,000	0 0	0 0	0 0	0	0 0	0	0	0 0	0 0	2	2 2	1 0	0	0 14	1	0	2	17	4	СМР
сн1_кь с	H Threat Coastal Ir	undation	Coastal Vulnerability Area	Wharf Road Protection Stage 2: Inundation protection. Seawall raising in front of Big4, seawall along Wharf Road.	See option details and analysis in CMP	Active intervention	Wharf Road	Medium	High	MCA and CBA	DPE	ESC	Council, C&E Grants	\$5,900,000	Year 2 to 4	\$29,000	0 0	1 0	1 0	0	0 0	0	0	0 0	0 0	2	2 2	1 0	0	0 14	2	0	2	18	5	СМР
CH1_Kc C	d Threat 4 Coastal In	undation	Area	Raise Wharf Road level Trigger based protection of	Opportunistic raising of Wharf Road as road upgrade works are undertaken or funding becomes available to maintain access during inundation events.	Active	Wharf Road	Medium	High	MCA Only	ESC	DPE	Council, C&E Grants	\$50,000	Year 5 to 10	\$0	0 0	0 0	0 0	0	0 0	0	0	0 0	0 0	1	0 2	1 0	0	0 8	1	0	2	11	6	СМР
CH1_Kd C	Threat 1 Beach Ero	sion	Coastal Vulnerability Area	Thisger based in the tutor of Wharf Road from erosion: triggered by erosion event (this component may form part of CZEAS)	See option details and analysis in CMP	Active intervention	Wharf Road	Medium	High	MCA Only	ESC	DPE, DPI	Council, C&E Grants	\$1,000,000	After Year 10	\$20,000		١	Works not required	l within 10 Yea	CMP Busine	ess Plan. For o	considerati	on in CZEAP (i.e.	triggered by e	rosion event),), or in CMP revi	ew		NA	NA	NA	NA	NA	NA	CZEAP
CH1_L C	f Threat 1 Beach Ero	sion	Coastal Vulnerability Area	Undertake regular nourishment at Surfside when dredging is undertaken in Batemans Bay / Clyde River. Sand to be placed at locations identified in this CMP.		Active intervention	Surfside / Wharf Road	Medium	High	MCA and CBA	TfNSW (MIDO)	ESC, DPE, DPI	Council, C&E Grants, Coastal Lands Protection Scheme	\$35,000	Year 1 and ongoing	\$3,500	0 0	0 0	0 0	0	0 0	0	0	0 0	0 0	2	2 1	0 0	1	0 21	1	0	2	24	12	СМР
CH1_M C	f Threat 1 Beach Ero	sion	Coastal Vulnerability Area	Apply for the NSW government to purchase private properties at Wharf Road to assure current and future generations have public access to the foreshore and beaches.	See option details and analysis in CMP	Avoid risk	Wharf Road	Extreme	Extreme	MCA and CBA	DPE	ESC	Council, C&E Grants, Coastal Lands Protection Scheme	\$11,000,000	Year 1	\$40,000	1 0	0 0	0 0	0	2 0	0	2	0 0	0 0	2	2 2	2 0	0	0 44	2	0	2	48	12	СМР
CH1_P C	Threat Beach Ero 1 & 4 Inundation	sion and Coastal n	Aron	Upgrade existing coastal protection works at Caseys Beach	See option details and analysis in CMP	Active intervention	Batehaven	High	High	MCA and CBA	ESC	DPE, DPI	Council, C&E Grants	\$7,900,000	Year 2 to 4	\$79,000	0 0	0 0	0 0	0	0 0	0	1	0 0	0 0	2	2 1	0 0	0	0 23	1	0	2	26	7	СМР
CH1_Q C	Threat 1 Beach Ero	sion	Coastal Vulnerability Area	Sand nourishment post erosion event - Malua Bay	See option details and analysis in CMP	Active intervention	Malua Bay	Low	High	MCA Only			Council, C&E Grants	\$278,000	NA	NA		١	Works not required	l within 10 Yea	CMP Busine	ess Plan. For c	considerati	on in CZEAP (i.e.	triggered by e	rosion event),), or in CMP revi	ew		NA	NA	NA	NA	NA	NA	CZEAP
CH1_R C	f Threat 1 Beach Ero	sion	Coastal Vulnerability Area	Private land acquisition - Malua Bay	There are three to four properties that may b affected by beach erosion and shoreline recession at the eastern end of Kuppa Avenur This option considers the suitability of acquiri these properties and returning the land to public reserve.	e.	Malua Bay	Low	High	MCA Only	ESC	DPE	Council, C&E Grants, Coastal Lands Protection Scheme	\$4,000,000	After Year 10	\$0				Erosion risi	does not tri	igger the need	ed for optio	n within the 10 \	ear CMP Busin	ess Plan				NA	NA	NA	NA	NA	NA	No
CH1_S C	Threat 1 Beach Ero	sion	Coastal Vulnerability Area	Sand nourishment post erosion event - Tomakin	See option details and analysis in CMP	Active intervention	Tomakin	Low	High	MCA Only			Council, C&E Grants	\$115,000	NA	NA		١	Works not required	l within 10 Yea	CMP Busine	ess Plan. For o	considerati	on in CZEAP (i.e.	triggered by e	rosion event),), or in CMP revi	ew		NA	NA	NA	NA	NA	NA	CZEAP
CH1_T C	f Threat 1 Beach Ero	sion	Area	Trigger based stabilisation of sand spit to rocky outcrop at Tomakin Cove	See option details and analysis in CMP	Active intervention	Tomakin	Low	High	MCA Only			Council, C&E Grants	NA	NA	NA		١	Works not required	l within 10 Yea	CMP Busine	ess Plan. For o	considerati	on in CZEAP (i.e.	triggered by e	rosion event),), or in CMP revi	ew		NA	NA	NA	NA	NA	NA	CZEAP
CH1_U C	Threat 1 Beach Ero	sion	Coastal Vulnerability Area	Offshore reef / wave dissipation Tomakin Cove	See option details and analysis in CMP	Active intervention	Tomakin	Low	High	MCA Only	ESC	DPE, DPI	Council, C&E Grants	\$5,000,000	NA	\$5,000	0 0	0 0	0 0	0	0 0	0	0	0 0	0 0	1	1 0	0 0	0	0 8	0	0	0	8	2	No
CH1_V C	H Threat 1 Beach Ero	sion		Private land acquisition - North end of Broulee	See option details and analysis in CMP	Avoid risk	Broulee	Low	High	MCA and CBA	ESC	DPE	Council, C&E Grants, Coastal Lands Protection Scheme	\$4,000,000	Year 5 to 10	\$0	0 0	0 0	0 0	0	1 0	0	1	0 0	0 0	2	1 1	0 0	0	0 22	0	0	0	22	6	No
CH1_X C	f Threat 1 Beach Ero	sion		Repurposing of dredged sand from Tuross Estuary for beach Nourishment, One tree Beach	Council currently dredges adjacent to Lavend Bay Boat ramp for navigation purposes. This options recommends placement of the dredg material on One Tree Beach.	Active	Tuross Heads	Unknown	Unknown	MCA Only	ESC	DPE	Council, Rescuing our Waterways	\$20,000	Year 5 to 10	\$0	0 0	0 0	0 0	0	0 0	0	0	0 0	0 0	2	2 0	0 0	0	0 16	0	0	0	16	8	СМР
CH1_Y C	Threat 1 Beach Ero	ision	Coastal Vulnerability Area	Identify and monitor sewage pump stations and reticulation infrastructure at risk - include in future works plans (works to be assessed as part of CMP review)	See option details and analysis in CMP	Active intervention	Long Beach Malua Bay Broulee	See hazards assessment	See hazards assessment	MCA Only	ESC	NA	Council	\$0	Year 1 and ongoing	\$0	0 0	0 0	0 0	0	0 0	0	1	0 0	0 0	2	2 2	2 0	0	0 33	0	0	0	33	33	СМР
CH1_Z C	H Threat Beach Erd	sion	Coastal Vulnerability Area	Monitor stormwater assets in erosion areas	See option details and analysis in CMP	Alert	All	See hazards assessment	See hazards assessment	MCA Only	ESC	NA	Council	\$0	Year 1 and ongoing	\$0	0 0	0 0	0 0	0	0 0	0	1	0 0	0 0	2	2 0	0 0	0	0 19	0	0	1	20	20	СМР
CH1_ZA C	Threat 1 Beach Ero	sion		Culvert Extension / Groyne, combined with beach nourishment	See option details and analysis in CMP	Active intervention	Surfside	Extreme	Extreme	MCA and CBA	ESC	DPE	Election Commitment for initial funding C&E Grant, Council for ongoing maintnenance	\$3,600,000	Year 2 to 4	\$72,000	1 0	0 0	0 0	0	0 0	0	0	0 0	0 0	1	1 0	0 0	2	0 12	2	0	2	16	4	СМР
CH10_C	f Threat 10 Coastal C	iff Instability	Coastal Vulnerability Area		Respond to incoming customer requests regarding the stability of cliffs and bluffs at Corrigans Headland, Sunshine Bay, Caseys Bet Headland and Long Beach Headland to Identif evidence of Instability, such as loose rock, mantle creep, stormwater incision, tension cracks or leaning or fallen trees.		Corrigans Headland, Sunshine Bay, Caseys Beach Headland and Long Beach Headland	Medium	High	MCA Only	ESC	NA	Council	\$0	Year 1 and ongoing	\$0	0 0	0 0	0 0	0	0	0	0	0 0	0 0	0	0 0	0 0	0	2 4	0	0	1	5	5	СМР
CH10_E C	i Threat 10 Coastal C	iff Instability	Coastal Vulnerability	Maintain or improve native vegetation cover on steep slopes on coastal cliffs and bluffs.	Maintain or improve native vegetation cover steep slopes on coastal cliffs and bluffs. This may also involve weed management and use matting/geotextile to protect the surface for erosion as well as control weeds. Include maintenance of access track vegetation (acce priority)	of Active intervention	Priority to those affected by geotechnical hazards, and accessible.	Medium	High	MCA Only	ESC	DPE EES	Council, C&E Grants, NSW Environmental Trust, Coastcare Grants	\$15,000	Year 1 and ongoing	\$15,000	0 0	0 0	0 0	0	1 0	0	1	0 0	1 0	0	0 0	0 0	0	2 13	2	2	2	19	6	СМР
CH10_G C	l Threat 10 Coastal C	iff Instability	Coastal Vulnerability Area	Installation of safety and warning signs relating to cliff instability	- Install general warning signs along the base the headlands at Corrigans, Caseys and Long Beaches to warn walkers of the potential hazards. - Fences and warning signs be installed along the top of steep slopes where a risk exists of	Alert	All	Medium	High	MCA Only	ESC	DPE EES	Council, C&E Grants	\$10,000	Year 1 and ongoing	\$0	0 0	0 0	0 0	0	0 0	0	0	0 0	0 0	0	0 0	0 0	0	2 4	0	0	1	5	5	СМР
CH10_I C	Threat 10 Coastal C	iff Instability	Coastal Vulnerability Area	Surface dish drain	persons falling over the edge. Install and maintain a surface dish drain at the top of slopes to divert water away from slope that are being eroded or have the potential to be so.	es Active	All	Medium	High	MCA Only	ESC	DPE EES	Council, C&E Grants	\$20,000	Year 5 to 10	\$1,000	0 0	0 0	0 0	0	0 0	0	0	0 0	0 0	0	1 0	0 0	0	2 8	0	1	2	11	6	СМР

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ID	Threat		Management Area Management Option	Supporting statement Option Type	Location	Current Fi			Partners	Funding Source	Capital Cost	Timing	Recurrent Annual Costs	Medium 2	High Medium Me	2 2	n High	High High	Medium Mediu	m High	High High		4 4	e Extreme	Extreme High		1 2	Threat	Social Benefit Score	Environmental Benefit Score	Acceptability Score		djusted for Incl	lude in CMP / CZEAP
CH9_A	CH Thre	bat Dune Slope Instability	Coastal Vulnerability Prepare frontal dune Area management plans	Prepare frontal dune management plan for dunes seaward of caravan parks and camping grounds, and foreshore reserves to optimise resilience of the dunes as protection for temporary land usest and enhance eccological connectivity. Target locations to include Murramarang Nature Resort, beach reserves at Maloneys Beach, Long Beach, Surface, Long Beach, Surface, Corrigans (include Clyde Velew Holiday Park) and Malua Bay Reserve.	Murramarang Nature Resort, beach reserves at Maloneys Beach, Long Beach, Surfside, Corrigans (include Clyde View Holiday Park) and Malua Bay	Medium	High MCA	nly ESC	NPWS, DPE	Council, C&E Grants, NSW Environmental Trust, Coastcare Grants	\$80,000	Year 2 to 4	\$5,000	0	1 0	0 0	0	0 1	0 0	1	1 0	1	0 2	2	1 1	0	2 0	40		1	1	42	14	СМР
CH4_A	CH Thre	eat Coastal Inundation	Coastal Vulnerability Area Management of un-named tOUL / Wetland to protect against coastal lnundation (stabilise dune so breakout doesn't occur)	Management of un-named ICOLL / Wetland to protect against coastal inundation (stabilise dune so breakout doesn't occur)	South Durras	Unknown l	Jnknown MCA	nly NA	NA	NA	NA	NA	NA			1		1		Not vi	able	I	ļ.						0	0	0	0	NA	No
CH4_D	CH Thre	eat Coastal Inundation	Flood levee to protect against Coastal Vulnerability Area creek / estuary (surf side creek and Cullendulla)	See option details and analysis in CMP Active intervention	Surfside	Extreme	Extreme MCA ar	I CBA ESC	DPE	Election Commitment for design and construct C&E Grant, Council for ongoing maintnenance	\$4,200,000	Year 1	\$42,000	0	0 0	0 0	0	0 0	0 0	1	0 0	1	0 1	1	2 2	0	0 0	28	0	0	2	30	8	СМР
CH4_G	CH Thre	Coastal Inundation	Coastal Vulnerability Flood gates on stormwater outlets	See option details and analysis in CMP Active intervention	Wharf Road Batemans Bay to Batehaven	Varied	Varied MCA	nly ESC	DPE	Council, C&E Grants	\$100,000	Year 2 to 4	\$5,000	0	0 0	0 0	0	0 0	0 0	0	0 0	0	0 0	0	2 2	0	0 0	14	0	0	1	15	5	СМР
CH4_I	CH Thre		Coastal Vulnerability Area Reshaping and additional rock are required to repair the existing training wall	Reshaping and additional rock are required to repair the existing training wall Active intervention	Batemans Bay CBD	Medium	High MCA	nly ESC	DPE	Council, C&E Grants	\$200,000	Year 2 to 4	\$0															0	0	0	1	1	0	No
CH4_K	CH Thre		Coastal Vulnerability Seawall Raising and wave return Area barriers	See option details and analysis in CMP Active intervention	Batemans Bay to Batehaven	Medium	High MCA ar	I CBA ESC	DPE	Council, C&E Grants	\$10,500,000	Year 5 to 10	\$105,000	0	0 0	0 0	0	0 0	0 0	0	0 0	0	0 1	1	2 1	0	0 0	19	1	0	2	22	6	СМР
CH4_L	CH Thre	cat Coastal Inundation	Area Beach Road (its entire length),	During regular road resurfacing / maintenance look to raise level of road incrementally in consideration of coastal inundation levels to provide safe and permanent access during storm events.	Batemans Bay to Batehaven	High	Extreme MCA	nly ESC	DPE	Council, C&E Grants	\$100,000	Year 5 to 10	\$0	0	0 0	0 0	0	0 0	0 0	0	0 0	0	0 0	0	2 2	0	0 0	14	0	0	0	14	7	No
CH4_M	CH Thre	cat Coastal Inundation	Coastal Vulnerability Area Adaptation plan for low lying areas to be impacted by tidal inundation under sea level rise	See option details and analysis in CMP Planning for change	Batemans Bay: Corrigans area	Extreme	Extreme MCA	nly ESC	DPE	Council, C&E Grants	\$150,000	Year 2 to 4	\$0	0	0 0	0 0	0	0 0	0 0	0	0 0	0	0 0	0	2 2	0	0 0	14	0	0	2	16	5	СМР
CH4_R	CH Thre	cat Coastal Inundation	Coastal Vulnerability Area	During regular road resurfacing / maintenance look to raise level of road incrementally in consideration of coastal inundation levels to provide safe and permanent access during storm events. In partnership with SES, prepare an Emergency	Batehaven Big4 Batemans Bay	Extreme	Extreme MCA	nly ESC	NA	Council, C&E Grants	\$100,000	Year 5 to 10	\$20,000	0	0 0	0 0	0	0 0	0 0	0	0 0	0	0 0	0	2 1	0	0 0	11	0	0	0	11	4	No
CH4_S	CH Thre	Coastal Inundation	Coastal Vulnerability Area Emergency Response Plan	Response Plan to address flood risk to Big4 Emergency Batemans Bay Beach Resort from coastal storm Inundation.	Beach Resort Beachcomber Holiday Park	Extreme	Extreme MCA	nly SES	ESC, DPE	Council and SES existing staff resources	\$0	Year 1 and ongoing	\$0	0	0 0	0 0	0	0 0	0 0	0	0 0	0	0 0	0	2 0	0	0 0	8	0	0	2	10	10	СМР
CH4_T	CH Thre	Coastal Inundation	Coastal Vulnerability Offshore reef for wave Area dissipation - Caseys Beach	See option details and analysis in CMP Active Intervention	Batehaven	High	Extreme MCA	nly ESC	DPE, Marine Parl	k NA	NA	NA	NA							Not vi	able							NA	NA	NA	NA	NA	NA	No
CH4_V	CH Thre	eat Coastal Inundation	Coastal Vulnerability Access road raising - Area Beachcomber Holiday Park	There is a low lying section of the access road to Beachcomber Hollday Park. Road levels should be raised at this location to improve access and evacuation access during a coastal storm event.	Potato Point	Medium	High MCA	nly ESC	NA	Council, C&E Grants	\$100,000	Year 2 to 4	\$0	0	0 0	0 0	0	0 0	0 0	0	0 0	0	0 0	0	2 0	0	0 0	8	1	0	2	11	6	СМР
CH5_A	CH Thre	eat Tidal Inundation	Implement a program to immitor groundwater response Coastal Vulnerability Suppose of the hazard and risk to Surfice and existing governance and planning practices.	Implement a program to monitor groundwater response to sea level rise to determine scope of the hazard and risk to Surfside and existing governance and planning practices.	Surfside	Low	Medium MCA	nly ESC	DPE	Council, C&E Grants	\$250,000	Year 2 to 4	\$20,000	0	0 0	0 0	0	0 0	0 0	1	0 0	1	0 0	0	0 1	0	0 0	9	0	0	1	10	3	No
CH8_A	CH Thre	eat Entrance Management	Coastal Wetlands and Litteral Rainforests Area Management of un-named ICOLL / Wetland to restore natural opening and closing regime	Management of un-named ICOLL / Wetland to Active restore natural opening and closing regime intervention	South Durras	Medium	High MCA	nly ESC	DPE, DPI	NA	NA	NA	NA							Not vi	able							NA	NA	NA	NA	NA	NA	No
СН8_В	CH Thre	eat Entrance Management	Coastal Wetlands and Litteral Rainforests Area	Council to review it's existing Estuary Entrance Management Plans in consultation with local Aboriginal Knowledge Holders and look for opportunities to involve cultural practices and knowledge in estuary amanagement. The review should consider the template for ICCUL entrance management being developed under the Marine Park Management Plan (action 1.3).	South Durras, Surfside, Joes Creek, Short Beach, Wimbie Beach, Klanga, Little Lake (Narooma), Nangudga Lake	Medium	High MCA	nly ESC	DPE, Marine Park DPI	S, Council, C&E Grants	\$150,000	Year 2 to 4	\$0	0	0 0	0 0	0	0 0	1 0	0	1 0	1	1 0	0	-1 -1	2	0 0	11	1	1	2	15	5	СМР
CH8_C	CH Thre	Entrance Management	Coastal Wetlands ICOLL Entrance Management and Litteral Policy - engagement and finalisation	Draft Estuary Management Plans to be put through consultation with relevant agencies and community before finalisation and adoption by NPWS.	Congo, Potato Point, Lake Brou, Lake Mummaga, Corunna Lake	Medium	High MCA	nly NPWS	DPE, ESC. Marine Parks, DPI	e NPWS, C&E Grants	\$20,000	Year 1	\$0	0	0 0	0 0	0	0 0	1 0	0	1 0	1	1 0	0	-1 -1	2	0 0	11	0	0	2	13	7	СМР
CH9_A	CH Thre	eat Dune Slope Instability	Coastal Dune stability management (rabbit impacts)	Community engagement identified rabits are causing instability of the dunes directly through burrows and indirectly through associated loss of vegetation.	Rosedale Beach	Unknown	Jnknown MCA	nly ESC	NA	Council, C&E Grants, NSW Environmental Trust, Coastcare Grants	\$5,000	Year 2 to 4	\$2,000	0	0 0	0 0	0	0 0	0 0	0	0 0	0	0 1	0	0 0	0	2 0	6	0	1	2	9	5	No
СН9_В	CH Thre	Dune Slope Instability	Coastal Vulnerability Area Manage erosion on dunes	Erosion management of dune caused by w stormwater runoff, access and possibly wave limpacts at the end of Knowlman Road. Existing coir logs are in place and could be upgraded and enhanced with fencing to limit access and planting.	Rosedale Beach	Unknown I	Jnknown MCA	nly ESC	NA	Council, C&E Grants, NSW Environmental Trust, Coastcare Grants	\$20,000	Year 1	\$0	0	0 0	0 0	0	0 0	0 0	0	0 0	0	0 1	0	0 0	0	2 0	6	0	2	2	10	5	СМР
CHALL_A	CH Threat (All)	ts All	Coastal Vulnerability NPWS Coastal Hazard Area Assessment	NPWS to undertake taregtted coastal risk assessments to better understand coastal risks identified in the CMP Scoping Studyfirst pass	National Parks	Varied	Varied MCA	nly NPWS	ESC	NPWS, C&E Grants	\$60,000	Year 2 to 4	\$0	0	0 0	0 0	0	0 0	0 0	0	0 0	1	0 1	1	1 1	1	1 1	. 24	0	0	1	25	13	СМР
CH14_B	CH Threats	Beach Erosion and Coastal	Coastal Vulnerability Review of Surf Clubs coastal Area hazard risk	risk assessment See option details and analysis in CMP Change	Malua Bay	Varied	Varied MCA	nly ESC	NA	Council	\$0	Year 2 to 4	\$0	0	0 1	0 0	0	0 0	0 0	1	0 0	0	0 2	2	1 1	0	0 0	28	0	0	0	28	28	СМР
CHO_A	Opport ity	un	Coastal Use Area Opportunities for historical swimming site at Moruya Heads	During site inspections and engagement with the community, it was identified that the historical swimming site at Moruya Heads could provide for opportunities for recreational usage Alert or porribly just historical education. Council staff to work with the local community to investigate opportunities for retroit in the staff council staff to work with the local community to investigate opportunities for this site.	Moruya Heads	NA	NA MCA	nly ESC	DPE	Council	\$0	Year 2 to 4	\$0	0	-1 1	0 -1	0	0 0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	-3	2	0	2	1	1	No
сно_в	Opport	un #N/A	Coastal Values to promote tourism opportunities through a community event	Integrate with existing festivals such as Narooma Oyster Festival, River of Art and Bay Paddle Challenge	All	NA	NA MCA	nly ESC	NA	NPWS, C&E Grants	\$100,000	Year 2 to 4	\$10,000	0	1 0	0 1	1	1 0	0 0	0	1 1	0	0 0	0	0 0	0	0 0	17	2	0	2	21	7	СМР
RA1_A	RA Thre	bat Conflict over resource access and (e.g. beach users and dog walkers	Manage user conflicts at Bingle Dreaming Track and Shark Bay / Broulee Island track	The community reported conflicts between pedestrian and a Wib users of and around the Bingle Dreaming Track. This option proposed that Council, NPWs and local Aborginal Knowledge Holders to Identify key Issues and develop management approaches. This should consider the recommendations of the Draft Tuross and Coila Lakes Estuaries CMP (installation of bollards, formalisation of a carpark to limit whiche access, and retaining the easting Bingle Dreaming Track as a walking track only).	Congo	Low	Medium MCA	nly ESC / NPWS	LALC	Council	\$0	Year 2 to 4	\$0	2	0 0	1 1	1	0 0	0 0	0	1 0	1	2 0	0	0 0	0	0 0	25	1	1	1	28	28	СМР

																RA Threat 1 RA Threat 2	RA Threat 3	RA Threat 5	RA Threat 6 RA Threat 7	CD Threat 1	CD Threat 2 CD Threat 3	CD Threat 4	EGC Threat:	EGC Threat 3	CH Threat 1	CH Threat 2 CH Threat 4	CH Threat 5	CH Threat 8	CH Threat 10						59
ID Threat		Management Area	Management Option	Supporting statement	Option Type	Location	Current Risk (2021)	Future Risk (2100)	Level of assessment	Lead Agency	Partners	Funding Source	Capital Cost	Timing	Recurrent Annual Costs	Medium High	Medium Me	Medium 2 2	High High	High I	Medium Medium 2 2	High	High High	High Extrem	Extreme E	xtreme Extrem	High Hi	igh Low	Thre	at Socia tion Benef re Score	it Environment	tal Acceptability	Total Score	Adjusted for Cost Score	Include in CMP /
	ve recreational use (swimming, Ig, bush walking, etc)	Coastal Environment Area		The dune vegetation at Rosedale Beach is beli impacted by unregulated pedestrian access as in some cases illegal clearing of vegetation. Th option proposes an annual strategy to target these actions, replace vegetation, where possible, and install barriers and / or signage.	and his Active intervention	Rosedale Beach	Low	Medium	MCA Only	ESC	DPE	Council, C&E Grants, NSW Environmental Trust, Coastcare Grants	\$5,000	Year 2 to 4 and ongoing	\$5,000	0 0	0) 1	0 0	0	0 0	0	0 0	0 0	2	1 1	0	0 2				2	24	12	СМР
RA2_E RA Threat disturi	at (physical) and wildlife rbance (e.g. from overuse, rowding, foreshore opment, commercial and ational fishing methods, etc)	Coastal Environment Area	Shorebird management across Eurobodalla	Target shorebird nesting sites for pest control Monitoring and education program to protect shorebirds.	ol. Active intervention	All	Medium	High	MCA Only	NPWS	ESC,DPE,DPI	NPWS	\$0	Year 1 and ongoing	\$0	0 2	0	0	0 0	2	0 0	0	0 0	0 0	0	0 0	0	0 0	0 12	0	2	2	16	16	СМР
RA2_G RA Threat disturt overcr develo	rbance (e.g. from overuse, crowding, foreshore opment, commercial and	Rainforests Area &	Management of weeds of National Significance in coastal reserves	Conduct follow up work on weeds of National Significance in coastal reserves Undertake engagement of ajoining landholder to reduce weed impacts on reserves.	Active	All	Medium	High	MCA Only	NPWS	ESC,DPE,DPI	NPWS and Council existing staff resources	\$0	Year 1 and ongoing	\$0	0 2	0	0	0 0	2	0 0	0	0 0	0 0	0	0 0	0	0 0	0 12	. 0	2	2	16	16	СМР
RA3_A RA Illedt and/o	y located, poorly maintained or inappropriate access and orting facilities	Coastal Use Area	Develop a 'round the bay' coastal walk and cycleway for Batemans Bay	Develop a 'round the bay' coastal walk and cycleway for Batemans Bay	Active intervention	Batemans Bay Foreshore	Medium	Medium	MCA Only	ESC	DPE	Council, C&E Grants, Crown Reserves Improvement Fund	\$50,000	Year 2 to 4 and ongoing	\$50,000	1 0	2	0	0 0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0 6	2	0	2	10	3	No
RA3_B RA Threat and/o suppo	y located, poorly maintained or inappropriate access and orting facilities		Bridge crossing at Cullendulla Creek to link the area up with Murramarrang walk and Coastal Headland walk		Active intervention	Cullendulla	Medium	Medium	MCA Only	ESC	DPE / NPWS	Council, C&E Grants, Crown Reserves Improvement Fund	\$2,000,000	Year 5 to 10	\$0	1 0	2	0	0 0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0 6	2	0	2	10	3	No
	y located, poorly maintained or inappropriate access and orting facilities	Coastal Use Area	Improve facilities for tourism at Corrigans Beach	Improve facilities for tourism at Corrigans Beach. Might include: improved & all-levels inclusive disabled access, facilities for kayaks and SUPs, improved trailer parking, sewage pump out facility.	Active	Corrigans	Medium	Medium	MCA Only	TfNSW (MIDO)	ESC, DPE	Council, C&E Grants	\$2,000,000	Year 2 to 4 and ongoing	\$100,000	1 -1	2	0	-1 -1	-1	0 0	0	0 0	0 0	0	0 0	0	0 0	0 -6	2	0	1	-3	-1	No
suppo	orting facilities	Coastal Use Area	Upgrade beach reserve infrastructure at Malua Bay	Upgrade beach reserve infrastructure at Malu Bay, including toilet block, picnic shelters	ua Active intervention	Malua Bay	Medium	Medium	MCA Only	ESC	DPE	Council, C&E Grants	\$250,000	Year 2 to 4 and ongoing	\$0	1 0	2	0	0 0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0 8	2	0	2	12	4	No
RA3_I 3 and/o suppo	y located, poorly maintained or inappropriate access and orting facilities	Coastal Use Area	Provide basic public toilet facilities at McKenzies Beach.	There are currently no public toilet facilities at the high usage McKenzies Beach.	intervention	McKenzies Beach	Medium	Medium	MCA Only	ESC	DPE	Council, C&E Grants	\$300,000	Year 2 to 4 and ongoing	\$0	1 0	2	0	0 0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0 8	2	0	2	12	4	No
RA3_J RA Inreat and/o	y located, poorly maintained or inappropriate access and orting facilities	Coastal Use Area	Improve parking options at McKenzies Beach	Illegal parking and crowding along the road ed is a safety issue	dge Alert	McKenzies Beach	Medium	Medium	MCA Only	ESC	DPE	Council, C&E Grants	\$100,000	Year 2 to 4 and ongoing	\$0	1 0	2	0	0 0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0 8	2	0	2	12	6	СМР
NAS_N and/o	y located, poorly maintained or inappropriate access and orting facilities		Review and upgrade public facilities at One Tree Beach (Tuross)	Review and upgrade access paths and public toilets, showers etc. at One Tree Beach (Turos to enhance safety and amenity.	oss), Active intervention	Tuross Lake	Medium	Medium	MCA Only	ESC	DPE	Council, C&E Grants	\$300,000	Year 2 to 4 and ongoing	\$0	1 0	2	0	0 0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0 8	2	0	2	12	4	No
RA3_L RA Threat and/o suppo	y located, poorly maintained or inappropriate access and orting facilities	Coastal Use Area	Improving access and provide protection of midden sites along Mummaga Headland	Improving access and provide protection of midden sites along Mummaga Headland by formalising access on the south/eastern side headland, and revegetating the sections of exposed midden and cliff face that are being used as informal tracks	of Active intervention	Dalmeny	Medium	Medium	MCA Only	ESC	DPE	Council, C&E Grants, NSW Heritage Grant Program	\$100,000	Year 1	\$0	0 1	2) 1	0 0	0	0 0	0	0 0	0 2	0	0 0	0	0 0	0 17	1	2	2	22	11	СМР
RA3_N RA Threat and/o suppo	y located, poorly maintained or inappropriate access and orting facilities	Coastal Use Area	Improve beach access	Investigate, prioritise and improve beach acce in key beach locations (particularly ensuring disability inclusive access to beaches). Aligns with Draft Marine Park Management Plan (action 5.4c)	Activo	All	Medium	Medium	MCA Only	ESC	DPE	Council, C&E Grants	\$500,000	Year 5 to 10	\$50,000	0 0	2	1	0 0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0 6	2	0	2	10	3	No
RA3_O RA Threat and/o and/o suppo	y located, poorly maintained or inappropriate access and orting facilities		Continue to promote existing coastal walks such as coastal walks	Continue to promote existing coastal walks su as coastal walks in Murramarang National Par Broulee Island, Bingle Dreaming, Mystery 8ay 1080 Beach, Mangrove walk at Cullendulla Creek, Durras discovery and Banksia Walk at Burrewara Point, Mill Bay Board walk at Narooma.	rk, / to Alert	All	Medium	Medium	MCA Only	ESC	DPE, NPWS	Council and NPWS existing staff resoucres	\$0	Year 1	\$0	0 0	2	1	0 0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0 6	2	0	2	10	10	СМР
	y located, poorly maintained or inappropriate access and orting facilities		Upgrade facilities on coastal headlands	Upgrade parking, fencing, lookouts and interpretation in reserves on coastal headland around Batemans Bay.	Active intervention	All	Medium	Medium	MCA Only	ESC	DPE	Council, C&E Grants, NSW Heritage Grant Program	\$500,000	Year 2 to 4 and ongoing	\$50,000	0 1	2	0 0	0 0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0 7	2	0	2	11	4	No
RA6_A RA Threat boatin	e recreational use (recreational ng, motorised watercraft, ing etc) - recreational activities ing associated infrastructure		Monitor bike tracks between Broulee Head and Moruya Heads	Monitor usage and impacts of high usage on bike tracks between Broulee Head and Moruy Heads. Engage with local Aboriginal Knowledg Holders to understand sensitive locations and impacts on LALC managed land.	ya Ige Alert	Bengello Beach	Medium	High	MCA Only	ESC	DPE, NPWS	Council	\$0	Year 1 and ongoing	\$0	0 0	1	0	2 0	0	0 0	0	0 0	0 1	0	0 0	0	0 0	0 12	. 0	1	2	15	15	СМР
EGC2_A EGC aware to the of eng	ficient community and visitor eness of the values and threats e coastal environment, and lack gagement with managing this onment			High priority coastal protection signage strate where illegal ICOLL openings are occurring, where shorebird habiat is being disturbed, erosion hotspots.	egy: Alert	All	Medium	High	MCA Only	ESC	DPE	Council, C&E Grants, NSW Environmental Trust	\$20,000	Year 1 and ongoing	\$0	0 1	0	0	0 0	0	0 0	0	2 2	1 0	0	0 0	0 :	2 0	0 24	. 0	0	1	25	13	СМР
EGC3_B Threat 3 govern	ficient or inappropriate mance and management of the al environment	All	Work with relevant State Agencies to strengthen shared and consistent management of coastal land.	Ensure ongoing funtion of CEMAC, and ongoir representation of all Agencies listed as responsible or supporting CMP Actions	Planning for change	All	Medium	High	MCA Only	ESC	DPE, DPI, NPWS, LLS Marine Parks	S, Council	\$0	Year 1 and ongoing	\$0	1 1	1	1 1	1 1	1	1 1	1	2 1	2 0	1	1 1	1	0 1	1 60	0	0	0	60	60	СМР
EGC3_D EGC Insuffice govern coasta	ficient or inappropriate mance and management of the al environment	Coastal Vulnerability Area	Update PoM for reserve lands to address coastal risk	Use the CMP information to update plans of management for the reserved lands and highlight assets (natural or built) within the reserves that need changed management to mitigate coastal risks.	Planning for	All	Medium	High	MCA Only	ESC	NA	Council	\$0	Year 1 and ongoing	\$0	1 1	1	1 1	1 1	1	1 1	1	1 1	2 0	1	1 1	1	0 1	1 57	0	0	0	57	57	СМР
EGC3_E EGC Insuffice govern coasta	ficient or inappropriate mance and management of the al environment	All	Update PoM for NPWS to address coastal risk	Update plans of management for coastal national parks, including review of current arrangements for access, interactions betwee national parks and adjoining lands for recreati and tourism (include maintenance of access infrastructure), weed species; address or foreshadow when necessary any coastal hazal risks.	tion Planning for change	National Parks	Medium	High	MCA Only	NPWS	ESC	NPWS	\$0	Year 1 and ongoing	\$0	1 1	1	1	1 1	1	1 1	1	1 1	2 0	1	1 1	1 (0 1	1 57	0	0	0	57	57	СМР
EGC3_F Throat 3 govern	ficient or inappropriate rance and management of the al environment	твс	Undertaken maintenance of State Agency owned coastal assets to engineering and safety standards	Several state agency owned assets are degrad as an outcome of exposure to the coastal environment. Management will be undertake by state agencies to ensure these assets meet engaineering and safety standards.	Active en interpretion	ТВС	Medium	High	MCA Only	Crown Lands / MIDO	NA	Crown Lands and MIDO	\$100,000	Year 1 and ongoing	\$100,000	0 0	1	0	0 0	0	0 0	1	0 0	2 0	1	0 1	0	0 0	0 19	2	1	2	24	8	СМР
EGC4_A EGC Traditi	ficient involvement of tional Owners in the Igement of cultural heritage and vithin the coastal environment	Coastal Environment Area	Opportunities for cultural burning	Identify opportunities for and undertake cultural burning. Work closing with local Aboriginal Community to develop implement appropriately.	Active t intervention	All	High	Extreme	MCA Only	ESC	NPWS, DPE, LLS	Council, C&E Grants, NSW Heritage Grant Program	\$50,000	Year 1 and ongoing	\$50,000	0 0	0	0	0 0	0	0 0	0	0 0	1 2	0	0 0	0	0 0	0 11	. 1	2	2	16	5	СМР

													RAThreat 1	RAThreat 3	RA Threat 6	RA Threat 7	CD Threat 2	CD Threat 4	EGC Threat	EGC Threat	CH Threat 1 CH Threat 2 CH Threat 4	CH Threat 5	CH Threat 9						59
ID	Threat		Management Area Management Option Supporting statement O	option Type Location	Current Futu Risk (2021) (2		Lead Agency	Partners	Funding Source	Capital Cost	Timing	Recurrent Annua Costs		Medium Medium Mediu 2 2 2	a High	3 3	2 2	3	High High High	4	4 4 4	3	3 1 2	Threat	n Benefit	Environmental Benefit Score	Acceptability Score	otal Score Adjusted	for Include in CMP /
EGC4_B		Insufficient involvement of Traditional Owners in the An amangement of cultural heritage and use within the coastal environment	Support development and implementation of Aboriginal cultural resource use agreements, Sea Country plans or orther planning tools in accordance with the aspirations of local Aboriginal people to conserve cultural values, facilitate cultural resource use and conserve significant simplementation of Aboriginal cultural secess, sites and economic cultural resource use agreements. Sea Country plans gor orther planning tools or other planning tools available to conserve and enhance Aboriginal cultural values for Sea Country, Perferred tools should be selected by local Aboriginal people according to their needs and aspirations. Mogo LAC have drafted a land and sea management plan that should be considered in this process.	vold risk All	High Ext	MCA Only	DPI	Traditional Owners, ESC, DPE, LLS, NPWS	Council, C&E Grants, NSW Heritage Grant Program	\$100,000	Year 1 and ongoing	\$10,000	1 1	0 0 0	1	1 1	1 0	0	1 0 1	2	0 0 0	0	0 0 0		1	2	2	35 12	СМР
EGC4_C	EGC Threat 4	Insufficient involvement of Traditional Owners in the 4 management of cultural heritage and use within the coastal environment	Support Aboriginal cultural groups seeking to implement business at tourism opportunities in the coastal Use Area tourism opportunities in the coastal zone surface of Aboriginal culture in the Eurobodalis coastal area	ctive All atervention	High Ext	treme MCA Only	ESC	Traditional Owners, DPE, NPWS	Council, C&E Grants, NSW Heritage Grant Program	\$30,000	Year 1 and ongoing	\$30,000	0 0	1 0 0	0	0 0	0 0	0	0 2 0	2	0 0 0	0	0 0 0	16	2	0	2	20 7	СМР
EGC4_D		Insufficient involvement of Traditional Owners in the 4 management of cultural heritage and use within the coastal environment	Embed traditional Aboriginal knowledge, wisdom and culture Embed traditional Aboriginal knowledge, in strategic planning and pursue wisdom and culture in coastal management, and opportunities to promote including through engagement, training and in	ctive All stervention	High Ext	treme MCA Only	ESC	Traditional Owners, DPE, DPI, NPWS	Council, C&E Grants, NSW Heritage Grant Program	\$20,000 Y	Year 1 and ongoing	\$20,000	0 1	1 0 0	0	1 0	0 0	0	1 1 2	2	1 0 0	0	1 0 0	35	2	0	2	39 13	СМР
EGC4_E	EGC Threat 4	Insufficient involvement of Traditional Owners in the 4 management of cultural heritage and use within the coastal environment	d Area heritage from coastal hazards domestic dogs and pedestrians. in	ictive All Itervention	High Ext	treme MCA Only	DPE	Traditional Owners, ESC, DPI, NPWS	Council, C&E Grants, NSW Heritage Grant Program	\$20,000	Year 1 and ongoing	\$70,000	0 2	0 0 1	1	1 1	1 0	0	1 2 1	2	1 1 0	0	0 0 0	47	0	0	2	49 16	СМР
EGC4_F	EGC Threat 4	Insufficient involvement of Traditional Owners in the 4 management of cultural heritage and use within the coastal environment	ESC and NPWS to work with Traditional Land Owners to establish an Access to Country Plan Improve access to Country in the coastal zone ESC and NPWS to work with Traditional Land Owners to establish an Access to Country Plan Organement, which would identify be open to the coastal zone ESC and NPWS to work with Traditional Land Owners to establish an Access to Country Plan Organement of Establish and Country where access need to be included in the coastal zone ESC and NPWS to work with Traditional Land Owners to establish an Access to Country Plan Organement of Establish and Access to Country Plan Organement o	ctive All tervention	High Ext	treme MCA Only	ESC / NPWS	Traditional Owners, DPE	Council, C&E Grants, NSW Heritage Grant Program	\$20,000	Year 1 and ongoing	\$5,000	0 0	0 0 0	0	0 0	0 0	0	0 1 0	2	0 0 0	0	0 0 0	11	2	0	2	15 8	СМР
EGC4_G	EGC Threat 4	Insufficient involvement of Traditional Owners in the 4 management of cultural heritage and use within the coastal environment	the coastal use Area names the coastal area and include local Aboriginal in	ctive atervention All	High Ext	treme MCA Only	ESC	Traditional Owners, NPWS, DPE, LLS	Council, C&E Grants, NSW Heritage Grant Program	\$0	Year 2 to 4	\$0	0 0	0 0 0	0	0 0	0 0	0	0 2 0	2	0 0 0	0	0 0 0	14	2	0	2	18 18	СМР
EGC4_H	EGC Threat 4	Insufficient involvement of Traditional Owners in the 4 management of cultural heritage and use within the coastal environment	Review, update and implement Engagement with Mogo LALC identified that the Australia PoM for Aboriginal Place at Barlings Beach and the land is not being implemented as it is intended and the land is not being managed properly.	ctive Barlings Beach stervention	High Ext	treme MCA Only	ESC	Traditional Owners, DPE, LLS	Council, C&E Grants, NSW Heritage Grant Program	\$5,000	Year 1 and ongoing	\$5,000	0 0	0 0 0	0	0 0	0 0	0	2 0 2	2	0 0 0	0	0 0 0	20	2	2	2	26 13	СМР
EGC4_I	EGC Threat 4	Insufficient involvement of Traditional Owners in the 4 management of cultural heritage and use within the coastal environment	Collaborate with the Local Aboriginal Community to prepare an Aboriginal Seasonal Calendar Prepare an Aboriginal Seasonal Calendar of Storogonal Evaluation and Seasonal Calendar of Storogonal Collaborate with the Local Aboriginal Seasonal Calendar of Community to prepare an Aboriginal Seasonal Calendar of Com	ctive All Itervention	High Ext	treme MCA Only	ESC	Traditional Owners, DPE, LLS	Council, NSW Heritage Grant Program	\$15,000	Year 1	\$0	0 0	0 0 0	0	0 0	0 0	0	0 1 1	2	0 0 0	0	0 0 0	14	2	1	2	19 10	СМР
EGC4_J	EGC Threat 4	Insufficient involvement of Traditional Owners in the 4 management of cultural heritage and use within the coastal environment	Manage access issues and erosion at targeted sites of current management of highly significant of significant outle to Aboriginal Community as identified by the IAIC'S	ctive Tilba Beach, Nangudga, Itervention Broulee	High Ext	treme MCA Only	NPWS	Traditional Owners, DPE, ESC	Council, C&E Grants	\$15,000 Y	Year 1 and ongoing	\$0	0 0	0 0 0	0	0 0	0 0	0	2 0 2	2	0 0 0	0	0 0 0	20	2	2	2	26 13	СМР