	Α	В	С	D	Е	F		G	Н
1				Budget 2023	- Existing	Bid Template Hawke	e's Bay F	Regional Recovery Agency April 2023	
2						g from Cyclone Gabrielle. Please only include bids for initiatives that that directly relate to recovering from Cyclone Gabrielle.	t seek fund	ling in 2023/24, and identify any	
3	#		Funding sought through Budget 2023 for this initiative	initiative (e.g. response claims, existing funds)		Description - what this initiative delivers and when (describe its outputs, of and timeline)	outcomes	Any contingency amount(s)	
5		Environmental Resilience - Flood	[\$m Amount - 2023/24]	[\$m Amount - 2023/24]	3.1.23	[Max. 100 - 200 words]		1	
6		Protection Repair damaged stopbanks to existing standards (Heretaunga Plains & Upper Tukituki) and repairs to Drains & Culverts, Tree Plantings, Akmon Groins as a rsult of Cyclone Gabrielle. This is to restore back to what we had pre cyclone.	\$ 93.70	\$ 77.00		Output: Provide safe level of protection (1:100year) stop banks. Repairing existing stopbanks to level of standard pre-Cyclone.		\$ 1.67	
7 8 9	7 1 3 9 0 1 1 2 3	HBRC	[\$m Amount - outyears (if known)]	[\$m Amount - outyears (if known)] \$ NEMA	\$ 16.70			10% contingency \$m	
10 11 12 13				\$ 51.00 Insurance \$ 26.00		Outcomes: Provide level of protection across the Hawke's Bay community in a Flood event			
13 14 15					-	Timelines: Next 12 months			
16 17 18 19 20		Environmental Resilience - Flood Protection Heretaunga Plains Flood Control Scheme HBRC	[\$m Amount - 2023/24] \$ 80.00 [\$m Amount - outyears (if known)] \$ 160.00 2024/25	[\$m Amount - 2023/24] \$ - [\$m Amount - outyears (if known)] \$ - [Source(s)]	-	[Max. 100 - 200 words] Output: Provide safe high level of protection (1:500year) stop banks. 112,500m of stopbanks at \$2,105 per metre which includes enhanced design to deverdesign events in a planned way.	deal with	\$ 24.00 10% contingency \$m	
21 22 23 24 25	2		\$ 80.00 2025/26 \$ 80.00		- 240 - -	Outcomes: Provide high level of protection across the Hawke's Bay community Timelines: 2-3years			
26					1	Timomos. 2-0years			
27		Environmental Resilience - Flood Protection Upper Tuki Tuki Scheme	[\$m Amount - 2023/24] \$ 60.00	[\$m Amount - 2023/24] \$ -		[Max. 100 - 200 words] Output: Build back better stopbanks 76,500m. Excludes costs for any significant land purcl	chase.	\$ 11.00	
29 30 31 32 33 34	28	HBRC	[\$m Amount - outyears (if known)] \$ 70.00 2024/25 \$ 40.00	[\$m Amount - outyears (if known)] \$ - [Source(s)]	110	Outcomes: Provide high level of protection across the Hawke's Bay community		10% contingency \$m	
35 36			2025/26 \$ 30.00		-	Timelines: 2-3years		-	
37								1	

Section Sect		Α	В	С	D	E	F	G	Н
Marca Deliver Sequence Marcan Sequence Seq	38			[\$m Amount - 2023/24]	[\$m Amount - 2023/24]		[Max. 100 - 200 words]		
Part				\$ 20.00	\$ -	1		\$ 6.00	
Comparison Com	39		Walloa (NEW Scheme)						
Comment	40		HBRC		[\$m Amount - outyears (if known)]		due to the maphility of ratepayers to fund this at that time, this was not progressed.	10% contingency	
Section Sect	41			\$ 40.00	\$ -			\$ <i>m</i>	
Compared Processor Proce	42	4		2024/25	[Source(s)]	00			
1	43	4		\$ 20.00		60		1	
Section Comment Procedure Comment Co	44			2025/26		1	To add in a NEW Flood Protection Scheme for the Town of Wairoa		
Section Comment Procedure Comment Co	45			\$ 20.00		1			
Procedure 2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-	46					1			
18	47					1	Timelines: 2-3years	1	
Section Sect	48					1			
Sol. Winted & Markor Winter Debries \$ 60.00 \$ -			Environmental Resilience - Waste	[\$m Amount - 2023/24]	[\$m Amount - 2023/24]		[Max. 100 - 200 words]	1	+
Percentage Programment Percentage Pe				\$ 60.00	\$ -	1		\$ 12.00	
Solution Solution							Removal of Cyclone created environmental waste to allow communities to rebuild.		
10 Separation of weath, burning roat next material, recovering or burnfilling the normander () of Separation of weath, burning roat next material, recovering or burnfilling the normander () of Separation of weath, burning roat next material, recovering or burnfilling the normander () of Separation of West are search of decomposition () of Separation of West are search of the results of the material of the recovery of the search	51		HBRC	[\$m Amount - outyears (if known)]	[\$m Amount - outyears (if known)]	1		10% contingency	
Sample S	52			\$ 60.00	\$ -	1		<i>\$m</i>	
Section Sect						1			
Companies Comp							(d) Stockpiling and decomposition		
Source s									
Source									
Source(st)							For example, Pakowai has 1.5million cubic metres silt,		
Table									
Solutions Solu							m3. We are still to receive information from Industry		
120				2024/25	[Source(s)]		(T&G and Apple and Pears etc). This could be at least		
Signature Sign		5			[120			
Same									
Same							work that was required for transmission gully. This is very		
S							difficult to quantify		
S									
S									
S	53								
Removal of -3million m3 of silt, wood and mixed waste to enable communities to rebuild.				\$ 60.00		1		-	
Timelines: 12-24months	55					1			-
ST ST ST ST ST ST ST ST	55					1			
Environmental Resilience - Flood Sm Amount - 2023/24 Sm Amoun	50					1			
Environmental Resilience - Flood Sm Amount - 2023/24 Sm Amoun	5/					-	Timelines: 12-24months	-	
Environmental Resilience - Flood S 3.50 S 3.5	58					-	THIOMISS. IE E INIVITATO		
Protection S 20.00 S 3.50 Replace and Improve Drainage Pumpstations	59		Environmental Popiliones Flood	[\$m Amount 2022/24]	[\$m Amount 2022/24]	1			4
Replace and Improve Drainage Pumpstations Replace and Improve Drainage Pumpstations Replace and Improve Drainage Pumpstations Replace and Improve 3 drainage pump stations at Awatoto (Mission), Brookfields and Pakowhai Pump Stations. This includes undertaking review and consultation costs, consenting and seismic costs too. 10% contingency 10% contingenc	60					1		1	
Pumpstations				\$ 20.00	3.50			\$ 4.00	
G2 G3 G4 G5 G5 G5 G5 G5 G5 G5	61						Pakowhai Pump Stations. This includes undertaking review and consultation costs, consenting		
S			[Lead Agency Name]	[\$m Amount - outyears (if known)]	[\$m Amount - outyears (if known)]	1			+
6	63		-		\$ -	1		\$m	
Insurance - 2023/24 More resilient Flood protection assets across the Heretaunga Plains Flood Protection scheme.	64				NEMA	15			
Insurance - 2023/24 More resilient Flood protection assets across the Heretaunga Plains Flood Protection scheme.	65	6				. 40	Outcomes:	1	
100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100	66			, , , , , , , , , , , , , , , , , , , ,	7	1			
	67					1			
	67				Ş.30	1			
	68					-	Timolinos: 12 19months		
	69					-	Tittigiites. 12-10HUHUIS		
71 Environmental Resilience - Flood [\$m Amount - 2023/24] [\$m Amount - 2023/24] [\$m Amount - 2023/24] [\$m Amount - 2023/24]			5	[th. 4	[th. 4				4
	71		Environmental Resilience - Flood	[\$M AMOUNt - 2023/24]	[\$M AMOUNt - 2023/24]		[Max. 100 - 200 words]	1	

	Α	В	С	D	E	F	G	Н
72		Protection Support for private land owners with river damage, edge protection, stabilisation of river course	\$ 50.00	\$ -		Output: There is significant erosion and river damage to out of scheme areas where landowners are looking to the Regional Council for support.	\$ 5.50	
73		HBRC	[\$m Amount - outyears (if known)]	[\$m Amount - outyears (if known)]	-		[Reason]	
75	7		[Appropriation(s)]	[Source(s)]	55			
74 75 76 77			[, ppropriation(o)]	[Godinos(G)]	-	Outcomes:	1	
77						Stabilisation of these areas will minimise sediment discharge and provide certainty of river		
78 79 80						alignment to communities.		
79								
80					_	Timelines: 12months		
81 82		Environmental Resilience - Emergency	[\$m Amount - 2023/24]	[\$m Amount - 2023/24]		[Max. 100 - 200 words]		4
82		Planning Resilience	\$ 6.00	\$ 5.00	-	Output:	1.	
83		Community Wellbeing - Welfare/Cultural impacts				Civil Defence response has incurred >\$10m to date.	\$ 1.05	
84		HBRC	[\$m Amount - outyears (if known)]	[\$m Amount - outyears (if known)]	1	Current legislation for Section 33 of Guide to National CDEM Plan 2015 does not allow for reimbursement of all costs incurred during our response. It is limited and enforced to the	10% contingency	+
84 85 86			\$ -	\$ -		guidelines only in Section 33. Therefore there is a shortfall that will be unfairly bourne by the	\$ <i>m</i>	
86	8		[Appropriation(s)]	NEMA	10.5	ratepayer if not funded		
87				\$ 5.00		Outcomes:		
88						Removal of unfair burden to the Hawke's Bay ratepayer for costs incurred during this disaster response		
88 89 90								
91				-	Timelines: 6mths	1		
92					1			
93			[\$m Amount - 2023/24]	[\$m Amount - 2023/24]		[Max. 100 - 200 words]		1
		Whenua Community Engagement	\$ 1.00			Output: Required regional resilience planning to ensure appropriate and effective engagement	\$ 0.10	
94						with Tangata Whenua related to environmental resilience specifically.		
95		HBRC	[\$m Amount - outyears (if known)]	[\$m Amount - outyears (if known)]	_		10% contingency	
96 97			-	\$ -				
98	9		[Appropriation(s)]	NEMA	1	Outcomes:	1	
99						Regional plan including Tangata Whenua		
100								
101								
100 101 102 103						Timelines: 24 months		
		Environmental D. "	[ft A	Id. A. A	1			4
104		Environmental Resilience - Communications and Marketing -	[\$m Amount - 2023/24] \$ 0.40	[\$m Amount - 2023/24]	-	[Max. 100 - 200 words] Output: Support for all recovery work across HBRC ensuring consistency of messages,	\$ 0.04	
105		Recovery work	Ψ 0.40			engagement plans and media is all managed succinctly and professionaly for overall	υ.υ4	
		HBRC	[\$m Amount - outyears (if known)]	[\$m Amount - outyears (if known)]	1	effectiveness	10% contingency	
107			\$ -	\$ -	1		\$m	
106 107 108 109 110	10		[Appropriation(s)]		0.4			
109	10				0.4	Outcomes: Efficient and Effictve community engagement		
110					4	Emoioni and Emoive community engagement		
111 112					-			
113					-	Timelines: 24 months	ł	
114					1			
115		Primary Sector - Landuse Recovery	[\$m Amount - 2023/24]	[\$m Amount - 2023/24]		[Max. 100 - 200 words]		-
				-	-	•	-	

	Α	В	С	D	E	F		G		Н
		Engaged Rurai Communities	\$ 0.72	\$ -		Output:	\$		0.07	
116						Support the establishment and operational activities of Rural Community Hubs and Catchment Collectives.				
117		HBRC	[\$m Amount - outyears (if known)]	[\$m Amount - outyears (if known)]	1	•Appropriate funds to support effective Rural Hubs and ensure their longevity past the	10% contingency \$m	'		
118			- ·	ў	-	immediate reposne phase •Delivery of activities and events identified by the community to support recovery	ψΠ			
	44		[Appropriation(s)]	[Source(s)]	0.70					
119	11				0.72	MPI/HBRC				
120 121					1	Outcomes:				
121					-					
123					1					
122 123 124					1	Timelines: 4 months				
125										
126		Primary Sector - Landuse Recovery Sediment & Erosion Control	[\$m Amount - 2023/24]	[\$m Amount - 2023/24]		[Max. 100 - 200 words]	\$		0.39	
127			\$ 3.85		4	Output: Build a network of stock (trees) supply to meet the needs of rural/hill country farming	400/			
128		HBRC	[\$m Amount - outyears (if known)]	[\$m Amount - outyears (if known)]	-	enterprises - extend nursery operations to Wairoa and CHB to meet local demand	10% contingency \$m	/	_	
129				-	1	•Growth in supply of poplar poles for use in hill country erosion control •Land 4 Life programme			\vdash	
			[Appropriation(s)]	[Source(s)]		•Farm planning tools				
130	12			· · · · ·	3.85					
131						Outcomes:				
132					4					
132 133 134 135					-					
134					1	Timelines: 12 months	_			
136					1					
137			[\$m Amount - 2023/24]	[\$m Amount - 2023/24]		[Max. 100 - 200 words]				
137		Agriculture	[\$m Amount - 2023/24]	[\$m Amount - 2023/24] \$ 0.28		Output:	\$		0.03	
			[\$m Amount - 2023/24] \$ -			· · · · · · · · · · · · · · · · · · ·	\$		0.03	
138		Agriculture HBRC Rural Recovery Team Establishment	[\$m Amount - 2023/24] \$ - [\$m Amount - outyears (if known)]		-	Output: Provide resourcing, leadership, skill, and experience to support HBRC rural recovery initiatives •Strategic Planning	\$ 10% contingency	,	0.03	
		Agriculture HBRC Rural Recovery Team Establishment	\$ -	\$ 0.28	-	Output: Provide resourcing, leadership, skill, and experience to support HBRC rural recovery initiatives		,	0.03	
138 139		Agriculture HBRC Rural Recovery Team Establishment HBRC	\$ - [\$m Amount - outyears (if known)] \$ -	\$ 0.28 [\$m Amount - outyears (if known)] \$ -	-	Output: Provide resourcing, leadership, skill, and experience to support HBRC rural recovery initiatives *Strategic Planning *Networking and sector partnerships		,	0.03	
138 139 140	13	Agriculture HBRC Rural Recovery Team Establishment HBRC	\$ -	\$ 0.28	0.275	Output: Provide resourcing, leadership, skill, and experience to support HBRC rural recovery initiatives *Strategic Planning *Networking and sector partnerships *Farm & growing system awareness and knowledge		′	0.03	
138 139 140	13	Agriculture HBRC Rural Recovery Team Establishment HBRC	\$ - [\$m Amount - outyears (if known)] \$ -	\$ 0.28 [\$m Amount - outyears (if known)] \$ - [Source(s)]	0.275	Output: Provide resourcing, leadership, skill, and experience to support HBRC rural recovery initiatives *Strategic Planning *Networking and sector partnerships *Farm & growing system awareness and knowledge *Policy & regulatory development and implementation		,	0.03	
138 139 140 141 142	13	Agriculture HBRC Rural Recovery Team Establishment HBRC	\$ - [\$m Amount - outyears (if known)] \$ -	\$ 0.28 [\$m Amount - outyears (if known)] \$ -	0.275	Output: Provide resourcing, leadership, skill, and experience to support HBRC rural recovery initiatives *Strategic Planning *Networking and sector partnerships *Farm & growing system awareness and knowledge *Policy & regulatory development and implementation HBRC contribution - no funding required Outcomes: Dedicated team for the development and implementation of a rural recovery plan across		,	0.03	
138 139 140 141 142	13	Agriculture HBRC Rural Recovery Team Establishment HBRC	\$ - [\$m Amount - outyears (if known)] \$ -	\$ 0.28 [\$m Amount - outyears (if known)] \$ - [Source(s)] HBRC	0.275	Output: Provide resourcing, leadership, skill, and experience to support HBRC rural recovery initiatives *Strategic Planning *Networking and sector partnerships *Farm & growing system awareness and knowledge *Policy & regulatory development and implementation HBRC contribution - no funding required Outcomes:		,	0.03	
138 139 140 141 142	13	Agriculture HBRC Rural Recovery Team Establishment HBRC	\$ - [\$m Amount - outyears (if known)] \$ -	\$ 0.28 [\$m Amount - outyears (if known)] \$ - [Source(s)] HBRC	0.275	Output: Provide resourcing, leadership, skill, and experience to support HBRC rural recovery initiatives *Strategic Planning *Networking and sector partnerships *Farm & growing system awareness and knowledge *Policy & regulatory development and implementation HBRC contribution - no funding required Outcomes: Dedicated team for the development and implementation of a rural recovery plan across Hawke's Bay.		,	0.03	
138 139 140 141 142 143 144 145 146	13	Agriculture HBRC Rural Recovery Team Establishment HBRC	\$ - [\$m Amount - outyears (if known)] \$ -	\$ 0.28 [\$m Amount - outyears (if known)] \$ - [Source(s)] HBRC	0.275	Output: Provide resourcing, leadership, skill, and experience to support HBRC rural recovery initiatives *Strategic Planning *Networking and sector partnerships *Farm & growing system awareness and knowledge *Policy & regulatory development and implementation HBRC contribution - no funding required Outcomes: Dedicated team for the development and implementation of a rural recovery plan across		,	0.03	
138 139 140 141 142 143 144 145 146 147	13	Agriculture HBRC Rural Recovery Team Establishment HBRC	\$ - [\$m Amount - outyears (if known)] \$ - [Appropriation(s)]	\$ 0.28 [\$m Amount - outyears (if known)] \$ - [Source(s)] HBRC \$ 0.28	0.275	Output: Provide resourcing, leadership, skill, and experience to support HBRC rural recovery initiatives *Strategic Planning *Networking and sector partnerships *Farm & growing system awareness and knowledge *Policy & regulatory development and implementation HBRC contribution - no funding required Outcomes: Dedicated team for the development and implementation of a rural recovery plan across Hawke's Bay. Timelines: 1 month		,	0.03	
138 139 140 141 142 143 144 145 146	13	Agriculture HBRC Rural Recovery Team Establishment HBRC Primary Sector - Land Use Recovery - Agriculture	\$ - [\$m Amount - outyears (if known)] \$ -	\$ 0.28 [\$m Amount - outyears (if known)] \$ - [Source(s)] HBRC \$ 0.28	0.275	Output: Provide resourcing, leadership, skill, and experience to support HBRC rural recovery initiatives *Strategic Planning *Networking and sector partnerships *Farm & growing system awareness and knowledge *Policy & regulatory development and implementation HBRC contribution - no funding required Outcomes: Dedicated team for the development and implementation of a rural recovery plan across Hawke's Bay. Timelines: 1 month [Max. 100 - 200 words]		,		
138 139 140 141 142 143 144 145 146 147	13	Agriculture HBRC Rural Recovery Team Establishment HBRC Primary Sector - Land Use Recovery - Agriculture HBRC Rural Recovery Strategy	\$ - [\$m Amount - outyears (if known)] \$ - [Appropriation(s)] [\$m Amount - 2023/24]	\$ 0.28 [\$m Amount - outyears (if known)] \$ - [Source(s)] HBRC \$ 0.28	0.275	Output: Provide resourcing, leadership, skill, and experience to support HBRC rural recovery initiatives *Strategic Planning *Networking and sector partnerships *Farm & growing system awareness and knowledge *Policy & regulatory development and implementation HBRC contribution - no funding required Outcomes: Dedicated team for the development and implementation of a rural recovery plan across Hawke's Bay. Timelines: 1 month [Max. 100 - 200 words] Output: Provide a recovery framework to support investment and allocation of resources to support		,	0.03	
138 139 140 141 142 143 144 145 146 147 148	13	Agriculture HBRC Rural Recovery Team Establishment HBRC Primary Sector - Land Use Recovery - Agriculture HBRC Rural Recovery Strategy Development	\$ - [\$m Amount - outyears (if known)] \$ - [Appropriation(s)] [\$m Amount - 2023/24] \$ -	\$ 0.28 [\$m Amount - outyears (if known)] \$ - [Source(s)] HBRC \$ 0.28 [\$m Amount - 2023/24] \$ 0.39	0.275	Output: Provide resourcing, leadership, skill, and experience to support HBRC rural recovery initiatives *Strategic Planning *Networking and sector partnerships *Farm & growing system awareness and knowledge *Policy & regulatory development and implementation HBRC contribution - no funding required Outcomes: Dedicated team for the development and implementation of a rural recovery plan across Hawke's Bay. Timelines: 1 month [Max. 100 - 200 words] Output: Provide a recovery framework to support investment and allocation of resources to support recovery, and applied as the implementation model for recovery	10% contingency \$m			
138 139 140 141 142 143 144 145 146 147 148	13	Agriculture HBRC Rural Recovery Team Establishment HBRC Primary Sector - Land Use Recovery - Agriculture HBRC Rural Recovery Strategy Development	\$ - [\$m Amount - outyears (if known)] \$ - [Appropriation(s)] [\$m Amount - 2023/24]	\$ 0.28 [\$m Amount - outyears (if known)] \$ - [Source(s)] HBRC \$ 0.28	0.275	Output: Provide resourcing, leadership, skill, and experience to support HBRC rural recovery initiatives *Strategic Planning *Networking and sector partnerships *Farm & growing system awareness and knowledge *Policy & regulatory development and implementation HBRC contribution - no funding required Outcomes: Dedicated team for the development and implementation of a rural recovery plan across Hawke's Bay. Timelines: 1 month [Max. 100 - 200 words] Output: Provide a recovery framework to support investment and allocation of resources to support recovery, and applied as the implementation model for recovery *Undertake an Impact Assessment Survey *Aligning rural intelligence and insights resources to guide recovery actions				
138 139 140 141 142 143 144 145 146 147 148	13	Agriculture HBRC Rural Recovery Team Establishment HBRC Primary Sector - Land Use Recovery - Agriculture HBRC Rural Recovery Strategy Development	\$ - [\$m Amount - outyears (if known)] \$ - [Appropriation(s)] [\$m Amount - 2023/24] \$ -	\$ 0.28 [\$m Amount - outyears (if known)] \$ - [Source(s)] HBRC \$ 0.28 [\$m Amount - 2023/24] \$ 0.39	0.275	Output: Provide resourcing, leadership, skill, and experience to support HBRC rural recovery initiatives *Strategic Planning *Networking and sector partnerships *Farm & growing system awareness and knowledge *Policy & regulatory development and implementation HBRC contribution - no funding required Outcomes: Dedicated team for the development and implementation of a rural recovery plan across Hawke's Bay. Timelines: 1 month [Max. 100 - 200 words] Output: Provide a recovery framework to support investment and allocation of resources to support recovery, and applied as the implementation model for recovery *Undertake an Impact Assessment Survey *Aligning rural intelligence and insights resources to guide recovery actions *Development of an HBRC implementation plan to align internal resources, capabilities,	10% contingency \$m			
138 139 140 141 142 143 144 145 146 147 148		Agriculture HBRC Rural Recovery Team Establishment HBRC Primary Sector - Land Use Recovery - Agriculture HBRC Rural Recovery Strategy Development HBRC	\$ - [\$m Amount - outyears (if known)] \$ - [Appropriation(s)] [\$m Amount - 2023/24] \$ - [\$m Amount - outyears (if known)] \$ -	\$ 0.28 [\$m Amount - outyears (if known)] \$ - [Source(s)] HBRC \$ 0.28 [\$m Amount - 2023/24] \$ 0.39 [\$m Amount - outyears (if known)] \$ -		Output: Provide resourcing, leadership, skill, and experience to support HBRC rural recovery initiatives *Strategic Planning *Networking and sector partnerships *Farm & growing system awareness and knowledge *Policy & regulatory development and implementation HBRC contribution - no funding required Outcomes: Dedicated team for the development and implementation of a rural recovery plan across Hawke's Bay. Timelines: 1 month [Max. 100 - 200 words] Output: Provide a recovery framework to support investment and allocation of resources to support recovery, and applied as the implementation model for recovery *Undertake an Impact Assessment Survey *Aligning rural intelligence and insights resources to guide recovery actions *Development of an HBRC implementation plan to align internal resources, capabilities, information, skills to deliver a joined up solution *Aligned to organisational strategic priorities and objectives	10% contingency \$m			
138 139 140 141 142 143 144 145 146 147 148	13	Agriculture HBRC Rural Recovery Team Establishment HBRC Primary Sector - Land Use Recovery - Agriculture HBRC Rural Recovery Strategy Development HBRC	\$ - [\$m Amount - outyears (if known)] \$ - [Appropriation(s)] [\$m Amount - 2023/24] \$ -	\$ 0.28 [\$m Amount - outyears (if known)] \$ - [Source(s)] HBRC \$ 0.28 [\$m Amount - 2023/24] \$ 0.39	0.275	Output: Provide resourcing, leadership, skill, and experience to support HBRC rural recovery initiatives *Strategic Planning *Networking and sector partnerships *Farm & growing system awareness and knowledge *Policy & regulatory development and implementation HBRC contribution - no funding required Outcomes: Dedicated team for the development and implementation of a rural recovery plan across Hawke's Bay. Timelines: 1 month [Max. 100 - 200 words] Output: Provide a recovery framework to support investment and allocation of resources to support recovery, and applied as the implementation model for recovery *Undertake an Impact Assessment Survey *Aligning rural intelligence and insights resources to guide recovery actions *Development of an HBRC implementation plan to align internal resources, capabilities, information, skills to deliver a joined up solution	10% contingency \$m			
138 139 140 141 142 143 144 145 146 147 148 150 151		Agriculture HBRC Rural Recovery Team Establishment HBRC Primary Sector - Land Use Recovery - Agriculture HBRC Rural Recovery Strategy Development HBRC	\$ - [\$m Amount - outyears (if known)] \$ - [Appropriation(s)] [\$m Amount - 2023/24] \$ - [\$m Amount - outyears (if known)] \$ -	\$ 0.28 [\$m Amount - outyears (if known)] \$ - [Source(s)] HBRC \$ 0.28 [\$m Amount - 2023/24] \$ 0.39 [\$m Amount - outyears (if known)] \$ - [Source(s)]		Output: Provide resourcing, leadership, skill, and experience to support HBRC rural recovery initiatives *Strategic Planning *Networking and sector partnerships *Farm & growing system awareness and knowledge *Policy & regulatory development and implementation HBRC contribution - no funding required Outcomes: Dedicated team for the development and implementation of a rural recovery plan across Hawke's Bay. Timelines: 1 month [Max. 100 - 200 words] Output: Provide a recovery framework to support investment and allocation of resources to support recovery, and applied as the implementation model for recovery *Undertake an Impact Assessment Survey *Aligning rural intelligence and insights resources to guide recovery actions *Development of an HBRC implementation plan to align internal resources, capabilities, information, skills to deliver a joined up solution *Aligned to organisational strategic priorities and objectives	10% contingency \$m			
138 139 140 141 142 143 144 145 146 147 148 150 151		Agriculture HBRC Rural Recovery Team Establishment HBRC Primary Sector - Land Use Recovery - Agriculture HBRC Rural Recovery Strategy Development HBRC	\$ - [\$m Amount - outyears (if known)] \$ - [Appropriation(s)] [\$m Amount - 2023/24] \$ - [\$m Amount - outyears (if known)] \$ -	\$ 0.28 [\$m Amount - outyears (if known)] \$ - [Source(s)] HBRC \$ 0.28 [\$m Amount - 2023/24] \$ 0.39 [\$m Amount - outyears (if known)] \$ -		Output: Provide resourcing, leadership, skill, and experience to support HBRC rural recovery initiatives *Strategic Planning *Networking and sector partnerships *Farm & growing system awareness and knowledge *Policy & regulatory development and implementation HBRC contribution - no funding required Outcomes: Dedicated team for the development and implementation of a rural recovery plan across Hawke's Bay. Timelines: 1 month [Max. 100 - 200 words] Output: Provide a recovery framework to support investment and allocation of resources to support recovery, and applied as the implementation model for recovery *Aligning rural intelligence and insights resources to guide recovery actions *Development of an HBRC implementation plan to align internal resources, capabilities, information, skills to deliver a joined up solution *Aligned to organisational strategic priorities and objectives HBRC contribution - no funding required Outcomes: Framework to support the investment and allocation of resources for a Rural Recovery Plan	10% contingency \$m			
138 139 140 141 142 143 144 145 146 147 148 149 150 151		Agriculture HBRC Rural Recovery Team Establishment HBRC Primary Sector - Land Use Recovery - Agriculture HBRC Rural Recovery Strategy Development HBRC	\$ - [\$m Amount - outyears (if known)] \$ - [Appropriation(s)] [\$m Amount - 2023/24] \$ - [\$m Amount - outyears (if known)] \$ -	\$ 0.28 [\$m Amount - outyears (if known)] \$ - [Source(s)] HBRC \$ 0.28 [\$m Amount - 2023/24] \$ 0.39 [\$m Amount - outyears (if known)] \$ - [Source(s)] HBRC		Output: Provide resourcing, leadership, skill, and experience to support HBRC rural recovery initiatives *Strategic Planning *Networking and sector partnerships *Farm & growing system awareness and knowledge *Policy & regulatory development and implementation HBRC contribution - no funding required Outcomes: Dedicated team for the development and implementation of a rural recovery plan across Hawke's Bay. Timelines: 1 month [Max. 100 - 200 words] Output: Provide a recovery framework to support investment and allocation of resources to support recovery, and applied as the implementation model for recovery *Undertake an Impact Assessment Survey *Aligning rural intelligence and insights resources to guide recovery actions *Development of an HBRC implementation plan to align internal resources, capabilities, information, skills to deliver a joined up solution *Aligned to organisational strategic priorities and objectives HBRC contribution - no funding required Outcomes:	10% contingency \$m			

	А	В	С	D	E	F	G	Н
156								
157						Timelines: 12 months		
158								
159			[\$m Amount - 2023/24]	[\$m Amount - 2023/24]		[Max. 100 - 200 words]		
160		Agriculture Building resilient rural businesses	\$ 3.30	\$ -		Output: Develop information, planning and knowledge transfer models that support resilient rural land based businesses	\$ 1.65	
161		HBRC	[\$m Amount - outyears (if known)]	[\$m Amount - outyears (if known)]	1	Workshops & extension events that support farmer/grower learning and practice change	10% contingency	
161 162			\$ -	\$ -	ł	•Development of a digitally based farm planning tool, initiated and managed by	\$m	
102				<u>'</u>		farmers/growers that support robust farm planning systems (leads to FW-FP and IFP over time) •Change management		
162	15		[Appropriation(s)]	[Source(s)]	16.5	MPI/MfE/HBRC		
163			2024/25			Outcomes:	1	
165			\$ 3.30		-			
166			2025/26		-			
167			\$ 3.30		}			
164 165 166 167 168			2026/27 & 2027/28		1	Timelines: 5 years	1	
168			\$ 6.60			Timolinos. O youro		
		Primary Sector - Land Use -Agriculture	[\$m Amount - 2023/24]	[\$m Amount - 2023/24]		n		
170		Water Quality for Primary Sector	\$ 1.65		-	[Max. 100 - 200 words]	\$ 0.28	
171		9	1.05			Output: Identification of new/alternative tools for farmers/growers to manage and improve water quality	υ.28	
172	-	HBRC	[\$m Amount - outyears (if known)]	[\$m Amount - outyears (if known)]		•Grazing zones	10% contingency	
173		-	\$ -	\$ -	1	•Exclusion tools to support integrated grazing systems	\$m	
173			-	*				
			[Appropriation(s)]	[Source/ol]				
	16		[Appropriation(s)]	[Source(s)]	2.75			
174						0.//	-	
174 175 176 177 178 179			2024/25			Outcomes: Improvement of water quality for primary sector in Hawke's Bay		
176			\$ 1.10			improvement of water quality for primary ecotor in rounice of Easy		
177								
178						T: " 04 4	4	
						Timelines: 24 months		
180								
181		Primary Sector - Land Use - Agriculture Biodiversity, Pest & Predator Control		[\$m Amount - 2023/24]		[Max. 100 - 200 words]	\$ 0.83	
182		Biodiversity, I est a l'icadior control	\$ 8.25	\$ -		Output: Identification of information systems, tools and eradication programmes that supports the	φ 0.03	
182 183 184	ŀ	HBRC	[\$m Amount - outyears (if known)]	[\$m Amount - outyears (if known)]	1	growth in vibrant rural communities	10% contingency	
184			\$ -	\$ -]	•Ground truth existing eco-prioritisation sites and understand scale of degradation because of	\$ <i>m</i>	
					1	cyclone Gabrielle to support the design of a more robust recovery model *Undertake an impact assessment of previous biodiversity, pest & predator control to		
			[Appropriation(s)]	[Source(s)]		understand effectiveness and better design recovery tools		
185	17			[8.25			
					1	Outcomes:	1	
187					1	Understanding of how best to support the Rural communities in biodiversity, pest & predator		
188					1	control.		
180					1			
186 187 188 189 190						Timelines: 12 months	1	
191					1			
191		Environmental Resilience - Resource	[\$m Amount - 2023/24]	[\$m Amount - 2023/24]		[Max. 100 - 200 words]		
192		Management and LandUse	\$ 2.42	\$ -		Output:	1	
		LiDAR Capture	2.72			LIDAR Capture:	1.	
						Cyclone Gabrielle has had an everlasting impact on the physical environment of Hawke's Bay.	\$ 0.24	
						In order to quantify the impact at regional, catchment, sub-catchment and property scales, and inform recovery and future environmental management approaches, it is critical that we have		
193						the necessary data to measure and quantify the impact of the cyclone on the Hawke's Bay		
194	-	HBRC	[\$m Amount - outyears (if known)]	[\$m Amount - outyears (if known)]	1	landscape.	10% contingency	
	L		**			-	I.a.	

	Α	В	С	D	E	F	G	Н
195 196	18		[Appropriation(s)]	[Source(s)]	2.42	Ine impact zone of Cyclone Gabrielle extends, with overland flow and landslide induced soil loss associated with a loss of nutrients, productivity and natural landscape. The value of LiDAR comes from its application in making very accurate and fine scale measures of the shape of the ground, and Hawke's Bay is in the unique position that LiDAR was flown in 2020 making an extremely valuable dataset for pre- and post-natural disaster. Collection of region wide LiDAR imagery to determine digital elevation differences.	≱m	
197 198 199 200] - - -	Outcomes: This will contribute to flood hazard mapping, river capacity changes, erosion control management and effectiveness monitoring.		
200 201 202						Timelines: 6-12months		
203			[\$m Amount - 2023/24]	[\$m Amount - 2023/24]		[Max. 100 - 200 words]		
204		Ecosystems, Biodiversity and Conservation Impacts on air quality	\$ -	\$ 0.15		Output: Air quality monitoring and source apportionment. Including 0.3 FTE internal time HBRC	\$ 0.02	
204205206		HBRC	[\$m Amount - outyears (if known)]	[\$m Amount - outyears (if known)] \$	1		10% contingency \$m	
207208209210211	19		[Appropriation(s)]	[Source(s)] MBIE \$ 0.15	0.15	Outcomes: Understanding the impacts on air quality following the Cyclone		
211212213						Timelines:		
214			[\$m Amount - 2023/24]	[\$m Amount - 2023/24]		[Max. 100 - 200 words]		
215 216 217 218		Change Flood Frequency Analysis HBRC	\$ 0.44 [\$m Amount - outyears (if known)] \$ - [Appropriation(s)]	\$ - [\$m Amount - outyears (if known)] \$ - [Source(s)]		Output: Flood frequency analysis - Cyclone Gabrielle delivered a deluge over the Hawke's Bay region. Rainfall stations recorded in excess of 500mm over the course of the event, which increased the rivers to record levels resulting in widespread flooding. The river levels, rainfall and subsequent flooding exceeded records in many regions catchments and extended beyond the boundaries of current flood models.	\$ 0.04 10% contingency \$m	
219 220 221 222 223 224	20		<u>[rappropriation(3)]</u>	[Counce(s)]	0.44	Outcomes: Flood analysis and modelling is required in order to understand the magnitude of the current event, and to provide guidance on flood warning systems going forward. This will provide integral information on the recurrence interval of hydrological extremes in the Hawke's Bay region		
223					1	T' 1'	1	
						Timelines: 3-5 months		
224 225		Environmental Resilience - Flood	[\$m Amount - 2023/24]	[\$m Amount - 2023/24]	<u> </u>	3-5 months [Max. 100 - 200 words]		
225		Protection Image velocimetry	\$ 0.33	\$	-	3-5 months	\$ 0.03	
225		Protection	\$ 0.33 [\$m Amount - outyears (if known)] \$ -	\$ - [\$m Amount - outyears (if known)] \$ -	-	3-5 months [Max. 100 - 200 words] Output: New equipment (fixed cameras for image velocimetry) to enable remote assessment of river	\$ 0.03 10% contingency \$m	
225	21	Protection Image velocimetry	\$ 0.33	\$	0.33	3-5 months [Max. 100 - 200 words] Output: New equipment (fixed cameras for image velocimetry) to enable remote assessment of river		
225	21	Protection Image velocimetry	\$ 0.33 [\$m Amount - outyears (if known)] \$ -	\$ - [\$m Amount - outyears (if known)] \$ -	0.33	3-5 months [Max. 100 - 200 words] Output: New equipment (fixed cameras for image velocimetry) to enable remote assessment of river flows at 10 sites. Outcomes:		

	А	В	С	D	E	F	G	Н
237 238 239 240 241 242 243 244 245	22		\$ -		0.64	Output: High resolution/high quality satellite acquisition - In order to apply rigorous scientific (remote sensing) processes and assessments it is necessary that the satellites sensor systems (lens systems, light wavelength filters, light sensing devices, geometric control systems) are calibrated and stable. The airbus Pleiades and maxar satellites fall in this class of instrument. A regional coverage collection of this class of satellite is estimated to cost in the order of \$500k. HBRC have experience in the utilisation of Pleiades data collected post the Northern Hawke's Bay weather event 2022 and are currently working with MWLR on building our knowledge of the impacted of landslides and soil lose on those catchments. Outcomes: To aid the quantification of the impact of Cyclone Gabrielle over the full region we recommend the tasking of a new high quality and resolution (0.5m or finer) satellite dataset. Timelines: Feasibilities studies suggest that (with the persistent cloud cover that we are experiencing) that a collection of this quality would take in the order of 2-4 months to complete.	\$ 0.06 10% contingency \$m	
248 249 250 251 252 253 254 255 256	23	Environmental Resilience - Resource Management and Land Use Effectiveness of existing erosion control work HBRC	[\$m Amount - 2023/24] \$ 0.17 [\$m Amount - outyears (if known)] \$ - [Appropriation(s)]	[\$m Amount - 2023/24] \$ - [\$m Amount - outyears (if known)] \$ - [Source(s)]	0.165	[Max. 100 - 200 words] Output: Effectiveness of existing erosion control work on landslide mitigation during Cyclone Gabrielle. This workstream includes contracting Manaaki Whenua Landcare Research to undertake an assessment of difference in susceptibility for areas where erosion control has been implemented to calculate the number of landslides that were prevented by this work, and which mitigations appeared to be the most effective. 0.1 FTE internal time HBRC (HBRC contribution) Outcomes: Erosion control assessment of most effective control measures during the Cyclone event	\$ 0.02 10% contingency \$m	
256 257 258 259 260 261 262 263 264 265 266 267 268	24	Management and Land Use Quantification of land damage HBRC	[\$m Amount - 2023/24] \$ 0.11 [\$m Amount - outyears (if known)] \$ - [Appropriation(s)]	[\$m Amount - 2023/24] \$ - [\$m Amount - outyears (if known)] \$ - [Source(s)]	0.11	Timelines: 12 months [Max. 100 - 200 words] Output: Quantification of land damage and assessment of area if land that could be redeemed using erosion control. Impact on highly productive soils 0.4 FTE internal time HBRC (HBRC contribution) Reliant on land damage assessment in priority areas from GNS funded via MBIE. Outcomes: Identifying areas that could be redeemed using erosion control measures and understanding the impact on highly productive soils. Timelines: 12 months	\$ 0.01 10% contingency \$m	
270 271 272 273 274 275 276 277	25	Change Greenhouse gas inventory	[\$m Amount - 2023/24] \$ 0.02 [\$m Amount - outyears (if known)] \$ - [Appropriation(s)]	[\$m Amount - 2023/24] \$ - [\$m Amount - outyears (if known)] \$ - [Source(s)]	0.022	[Max. 100 - 200 words] Output: Greenhouse gas inventory – advice and peer review. 0.5 FTE internal time HBRC- (HBRC contribution) \$20k per annum Outcomes: Preparedness for future events	\$ 0.00 10% contingency \$m	

	Α	В	С	D	Е	F	G	Н
278						Timelines: 12 months		
279								
280		Environmental Resilience - Climate Change	[\$m Amount - 2023/24] \$ 0.10	[\$m Amount - 2023/24]	-	[Max. 100 - 200 words] Output:		
		Natural attenuation potential	5 0.10	-		Natural attenuation potential	\$ 0.01	
281						Calculation of wetland potential to dampen high flows and hold water during periods of drought.		
282		HBRC	[\$m Amount - outyears (if known)]	[\$m Amount - outyears (if known)]	1	External consultant to do this modelling	10% contingency	
283 284			\$ -	\$ -	1		\$m	
284	26		[Appropriation(s)]	[Source(s)]	0.1			
285					1	Outcomes: Assessment of flow statistics with natural attenuation systems.		
286					4	Reducing peak flows in the upper catchment		
287					1			
285 286 287 288 289					-	Timelines:		
290						12 months		
291		Environmental Resilience - Indigenous	[\$m Amount - 2023/24]	[\$m Amount - 2023/24]		[Max. 100 - 200 words]		
		Ecosystems, Biodiversity and Conservation	\$ 2.03	\$ -		Output:		
		Cyclone impact assessment on				Cyclone impact assessment on natural environment	\$ 0.25	
292		natural environment				see below		
293		HBRC	[\$m Amount - outyears (if known)]	[\$m Amount - outyears (if known)]			10% contingency	
294			\$ -	\$ -		2.4 FTE Technician time required (HBRC contribution)	\$m	
295			Appropriation(s) to each area (Col F)	[Source(s)]		0.1 FTE HBRC internal time		
293					-	Freshwater		
						Monthly MCI samples at 104 freshwater sites to determine the effect of Cyclone Gabrielle on		
						freshwater systems and inform ecosystem recovery timeframes. Bi-monthly the following year. (\$356k Y1 \$178k Y2)		
						Lowland stream sediment quality monitoring (\$30k)		
			1.2276			Habitat mapping of severely impacted sites (\$10k) Sediment deposition monitoring within the river network (\$30k)		
						Targeted study on the Waitangi Stream area due to ingress from highly contaminated Awatoto		
						site (\$100k) Whitebait habitat restoration of impacted sites (\$50k per annum for 2 years)		
296						eDNA at state of the environment sites (\$156k per annum for 2 years)		
230					1	<u>Lakes</u>		
						Deep coring of offshore lake sediments to assess the impact of Cyclone Gabrielle compared to		
			0.3025			historic flood sediment layers to inform ecosystem recovery timeframes. (\$200k) LakeSPI reassessment (\$75k)		
297						Marine and Coast		
						Additional twice monthly estuaring monitoring and assessments to determine the effect of		
	27				\$ 2.45	Cyclone Gabrielle on estuarine systems and inform ecosystem recovery time frames. (\$385k)		
						Update the Hawkes Bay Marine Degradation and Recovery model to include Cyclone Gabrielle to assess temporal timeframes for recovery and associated mitigation requirements		
						(\$50k)		
			0.535			Deep coring of offshore marine sediments to assess the impact of Cyclone Gabrielle compared to historic flood sediment layers to inform ecosystem recovery timeframes. (\$100k)		
						to mistorio noou sedimenti layers to inionii ecosystem recovery timenames. (\$100k)		
298								

	Α	В	С	D	E	F	G	Н
299 300 301 302 303 304 305			0.3 2024/25 \$ 0.42			Terrestrial ecosystems Assessment of areas of riparian damage using HBRC riparian programme (\$10k) Historic wetland mapping coupled with inundation areas to inform areas for reversion (\$100k) Biodiversity loss/damage - Stratified monitoring of Priority Ecosystem sites to assess damage from Cyclone Gabrielle (\$100k) River and coastal bird surveys to determine Cyclone impacts Assessment of vegetation re-establishment in wetlands in affected areas. (\$90k) Outcomes: Understanding what impacts the cyclone has had on our state of the environment - 4-7 year recovery period. To assist with tracking our projectory to recovery.		
303 304 305						Timelines: 3 months intensive, 2 years 3mths total.		
306		Environmental Resilience - Water	[\$m Amount - 2023/24]	[\$m Amount - 2023/24]		[Max. 100 - 200 words]		
307 308		Security & Health Changes in groundwater recharge dynamics HBRC	\$ 0.09 [\$m Amount - outyears (if known)]	\$ - [\$m Amount - outyears (if known)]		Output: Changes in groundwater recharge dynamics (gains and losses) due to changes from silt/erosion caused by changes in bathymetry from Cyclone Gabrielle. Needs concurrent gauging's and consultant support	\$ 0.02	
309 310 311	28		\$ 0.09 [Appropriation(s)]		0.176	1 FTE Technician time required	\$m	
311 312 313 314 315			\$ 0.09			Outcomes: That we are able to understand gains/losses through our stream network based on the new river morphology post-cyclone		
314 315 316						Timelines: 12 months +		
317		Environmental Resilience - Water Security & Health	[\$m Amount - 2023/24] \$ 0.06	[\$m Amount - 2023/24]		[Max. 100 - 200 words]		
318		Assessment of spring feed flows	0.00	-		Output: Assessment of spring feed flows – impacts from Cyclone Gabrielle	\$ 0.02	
319		HBRC	[\$m Amount - outyears (if known)]	[\$m Amount - outyears (if known)]	1		10% contingency	
320			\$ 0.11	\$ -	1		\$ <i>m</i>	
321	29		[Appropriation(s)]	[Source(s)]	0.165			
322	29		2024/25		0.100	Outcomes:		
323			\$ 0.06			That we are able to understand gains/losses through our springs based on post-cyclone changes		
324			2025/26			onangoo		
318 319 320 321 322 323 324 325 326 327			\$ 0.06				_	
326						Timelines:		
						12months		
328		Environmental Resilience - Water	[\$m Amount - 2023/24]	[\$m Amount - 2023/24]		[Max. 100 - 200 words]		
329		Security & Health Re-assessment of low flows	\$ 0.11	-		Output: Re-assessment of low flows due to river morphological changes and environmental flow setting	\$ 0.03	
330 331		HBRC	[\$m Amount - outyears (if known)] \$ 0.11				10% contingency \$m	
330 331 332 333 334 335 336 337	30		[Appropriation(s)] 2024/25 \$ 0.11	[Source(s)]	0.33	Outcomes: Reset our baseline for the assessment of low flows		
335			3.77					
337						Timelines:		

	Α	В	С	D	E	F	G	Н
338						12months		
339			[\$m Amount - 2023/24]	[\$m Amount - 2023/24]		[Max. 100 - 200 words]		
340		Security & Health Groundwater Quality	\$ 0.11	\$		Output: Groundwater Quality	\$ 0.01	
	l	HBRC	[\$m Amount - outyears (if known)]	[\$m Amount - outyears (if known)]		monitoring groundwater quality and bores	10% contingency	
342			\$ -	\$ -		0.6 Technician time required	\$ <i>m</i>	
343	31		[Appropriation(s)]	[Source(s)]	0.11			
344	31				0.11	Outcomes: Understand water quality following impacts of floodwaters		
345						onderstand water quality following impacts of noodwaters		
346								
2/0						Timelines:	•	
341 342 343 344 345 346 347 348 349						12 months +		
350		Environmental Resilience - Catchment	[\$m Amount - 2023/24]	[\$m Amount - 2023/24]		[Max. 100 - 200 words]		
		Management & Flood Protection	\$ 0.42	\$ 0.11		Output:		
		Erosion Control Scheme re- establishment				Re-establishing fencing and protection of previously planted schemes to re-instate to pre-	\$ 0.05	j
351						cyclone standards. Complete gap analysis and develop tools and a resilient system to support the growth in the Erosion Control Scheme due to recovery		
352	l	HBRC	[\$m Amount - outyears (if known)]	[\$m Amount - outyears (if known)]			10% contingency	
352 353 354 355 356 357 358 359 360			\$ -	\$ -			\$m	
354	32		[Appropriation(s)]	[Source(s)]	0.528			
355						Outcomes:		
356					Re-establishment of Erosion Control Scheme			
357								
358						Time time and		
359						Timelines: 3 months to implement and run over 3 years		
361		Environmental Resilience - Catchment	[\$m Amount - 2023/24]	[\$m Amount - 2023/24]		[Max. 100 - 200 words]		
301		Management & Flood Protection	\$ 0.13			Output:		
		Erosion Control Scheme - Post cyclone project audit				Review existing pole planting to ground truth impact and identify scale of remedial actions	\$ 0.02	
362		project addit						
362 363	ł	HBRC	[\$m Amount - outyears (if known)]	[\$m Amount - outyears (if known)]			10% contingency	
			\$ -	\$ -			\$ <i>m</i>	
365	33		[Appropriation(s)]	[Source(s)]	0.165			
366						Outcomes:		
367						Understand immediate priorities around pole planting fo		
364 365 366 367 368 369 370 371								
369						Timelinee		
370						Timelines: 12 months		
371		Environmental Resilience - Catchment	[\$m Amount - 2023/24]	[\$m Amount - 2023/24]		[Max. 100 - 200 words]		_
312		Management & Flood Protection	\$ 0.11	\$ -		Output:		
		Hapara Takatu (Shovel Ready) Fencing	Ç			MfE have offered to fully fund repair works to riparian fencing they co-funded through the SR	\$ 0.01	
272		Repairs				programme		
373		HBRC	[\$m Amount - outyears (if known)]	[\$m Amount - outyears (if known)]			10% contingency	
374 375 376 377 378 379 380			\$ -	\$ -			\$m	
376	34		[Appropriation(s)]	[Source(s)]	0.11			
377			K 11 - 11 - 11 - 1 - 1 - 1 - 1 - 1 - 1 -	MfE		Outcomes:		
378				\$ 0.10		Riparian fencing to be fixed		
379								
380								
381						Timelines:		

\$ 10% contingency \$m \$ oole ny 10% contingency \$ m	0.03	
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OI	lost 10% contingency \$m 10% contingency \$m	lost on a sient \$ 0.06

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423						cyclone recovery actions.			
424 425 426									
425						Timelines: 3 months to implement and run over 2 years			
		5	[th 4	FD 4 0000/D41					
427		Environmental Resilience - Indigenous Ecosystems, Biodiversity and	[\$m Amount - 2023/24]	[\$m Amount - 2023/24]		[Max. 100 - 200 words]			
		Conservation	\$ 0.44	\$ 0.66		Output: The completion of the priority ecosystem site ground truthing and development of new	\$	0.33	
		Implementation of Priorty Ecosystem				recovery model that is inclusive of the impact assessment results from both the Science and			
428		Programme				Primary Sector teams will drive an acceleration in operational delivery of on-ground works through the Priority Ecosystem Programme.	1001		
429		HBRC	[\$m Amount - outyears (if known)]	[\$m Amount - outyears (if known)]		amough the Friendy Leodystein Frogramme.	10% contingency \$m		
430 431	39		FArmon riction (a) I	FS2::::20/2)1	3.3				
431	33		[Appropriation(s)] 2024/25	[Source(s)] 2024/25	0.0	Outcomes:			
432 433			\$ 0.44	\$ 0.66		Operational delivery of on-ground works through the Priority Ecosystem Programme			
434			2025/26	2025/26	ł			-	
434 435 436 437			\$ 0.44	\$ 0.66	1				
436					1	Timelines:			
437					1	12 months +			
438		Environmental Resilience - Indigenous	[\$m Amount - 2023/24]	[\$m Amount - 2023/24]		[Max. 100 - 200 words]			
		Ecosystems, Biodiversity and Conservation	\$ 0.44	\$ 0.66		Output: The completion of a new recovery model for the Protection and Enhancement Programme that		0.00	
		Implementation of Protection and				is inclusive of the impact assessment results from both Science and Primary Sector teams will	>	0.22	
439		Enhancement Programme				drive an accleration in operational delivery of on-ground works through the Protection and			
440		HBRC	[\$m Amount - outyears (if known)]	[\$m Amount - outyears (if known)]	1	Enhancement Programme	10% contingency		
441			\$ -	\$ -	1		\$ <i>m</i>		
442 443	40		[Appropriation(s)]	[Source(s)]	2.2				
443			2024/25	2024/25]	Outcomes:			
444 445 446 447 448			\$ 0.44	\$ 0.66		Operational delivery of on-ground works through the Protection and Enhancement Programme.			
445									
446					-	Timelines:			
44/						2 years			
449		Primary Sector - Agriculture	[\$m Amount - 2023/24]	[\$m Amount - 2023/24]		May 100 - 200 words!			
443		Incentive Scheme Funding	\$ 0.22	\$ -		[Max. 100 - 200 words] Output:	\$	0.02	
450						We subsidise 50 percent of control costs on properties for certain RPMP plants to incentivise			
451		HBRC	[\$m Amount - outyears (if known)]	[\$m Amount - outyears (if known)]		landowners to control these plants. Owing to the effects of Cyclone Gabrielle landowners are going to be hard pressed to fund their half of these costs while still suffering the effects of	10% contingency		
452			\$ -	\$ -		having these pest plants occupying their property. This would allow these landowners to take a	ΦIII		
			[Appropriation(s)]	[Source(s)]		full financial year off while still allowing control of these pest plants on their properties.			
453	41		[rippropriation(o)]	[554,55(5)]	0.22				
454						Outcomes: Subsidising landowners as incentive to control pest plants occupying their property.			
455						оправидення написовного во вностиче во сонногрестривных осструння вней ргоренту.			
456									
457						Timelines:	ł		
454 455 456 457 458 459						12 months			
460		Environmental Resilience - Indigenous	[\$m Amount - 2023/24]	[\$m Amount - 2023/24]		[Max. 100 - 200 words]			
700		Ecosystems, Biodiversity and	\$ 0.33		1	Output:	\$	0.03	
161		Conservation Biosecurity Post Cyclone Auditing				Full monitoring and audit of flood affected properties for Chilean Needle Grass, Woolly	ľ	0.00	
461		HBRC	[\$m Amount - outyears (if known)]	[\$m Amount - outyears (if known)]	1	Nightshade, Saffron Thistle and Old Mans Beard.	10% contingency		
462 463			\$ -	\$ -	ł		\$m		
464	40		[Appropriation(s)]	[Source(s)]	0.00				
464 465 466	42		C 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 -	k (-/)	0.33	Outcomees:	1		
466					1	Understanding post cyclone the flood affected properties which have pest plants.			
					•				

468 469 470	0.15
According to the content of the co	0.15
471	0.15
471	0.15
Conservation	0.15
472 473 474 475 476 477 478 479 479 480 481 482 483 484 484 486 487 487 488 489 490 480 481 444 487 488 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 489 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480	0.15
Contaminated Graued	0.15
474 475 43	0.15
476 477 478	
476 477 478	
A80 A81	
Environmental Resilience - Water Storage - Feasibility Study \$ 2.78 \$ 1.30 \$ \$ \$ \$ \$ \$ \$ \$ \$	
Storage - Feasibility Study \$ 2.78 \$ 1.30 484 485 486 487 488 489 490 Storage - Feasibility Study \$ 2.78 \$ 1.30 [\$m Amount - outyears (if known)]	
HBRC [\$m Amount - outyears (if known)] [\$m Amount - outyears (if known)] 485 486 487 488 490 Figure F	
485 486 487 488 489 490 Cyclone with water storage. Need more funding now given impacts of cyclone and need to rethink water storage opportunities Cyclone with water storage. Need more funding now given impacts of cyclone and need to rethink water storage opportunities Cyclone with water storage. Need more funding now given impacts of cyclone and need to rethink water storage opportunities 1.48 Outcomes: Options for water storage post cycline	ngency
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
486 [Appropriation(s)] [Source(s)] 487 44 488 0utcomes: Options for water storage post cycline 489 0utcomes: Options for water storage post cycline	
487 44 488 Options for water storage post cycline 489 Options for water storage post cycline	
488	
489 490	
490	——
70 0	
491 12 months +	
492	
493 Environmental Resilience - Climate [\$m Amount - 2023/24] [\$m Amount - 2023/24] [\$m Amount - 2023/24] [Max. 100 - 200 words] \$ Change \$ 0.50 \$ Output:	0.05
Change \$ 0.50 HBRC [\$m Amount - outyears (if known)] [\$m Amount - outyears (if known)] Change Output: Spatial based regional climate change vulnerabilities assessment (updated with climate change scenarios and completing data gaps)	aconcy
sm	gency
496	
497 498 44 \$ 0.50 Outcomes:	
498 44	
500	
501	
502 Timelines:	
503 503	
504 Resilient Infrastructure - Public [\$m Amount - 2023/24] [\$m Amount - 2023/24] [Max. 100 - 200 words]	
505 Transport \$ 0.50 Output:	0.05
HBRC [\$m Amount - outyears (if known)] [\$m Amount - outyears (if known)] New collateral and customer service requirements to support new transport/roadingroutes options of the continuous and robust as a result of roading notwork changes.	gency
\$ cstablished and rebuilt as a result of roading network changes. \$ - \$ - \$ cstablished and rebuilt as a result of roading network changes.	
Resilient Infrastructure - Public Transport [\$m Amount - 2023/24] [\$m Amount - 2023/24] \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50 \$ 0.50	
509 45 \$ 0.50 Outcomes:	
510 Collateral and CX	
511	
512 513 Timelines:	
513 12 months +	
514	
515 Resilient Infrastructure - Transport [\$m Amount - 2023/24] [\$m Amount - 2023/24] [Max. 100 - 200 words] 516 Cycleways \$ 0.30 Output:	0.03
[\$m Amount - outyears (if known)] Short term immediate repairs to open sections of the HB Trails network caused as a result of 10% conting Cyclone Cabrielle	gency

		T	T				T	
	А	В	C	D	E	F	G G	Н
518			\$ -	\$ -		i.e. grading of debris or replacement of scoured sections, signage repairs.	<i></i>	
519			[Appropriation(s)]	[Source(s)]			_	
520	46				\$ 0.30	Outcomes:		
521								
522								
520 521 522 523 524 525							_	
524						Timelines:		
525						12 months +		
526		ALL POU - HBRC Corporate Support	[\$m Amount - 2023/24]	[\$m Amount - 2023/24]		[Max. 100 - 200 words]	\$ 0.50	
527			\$ 5.00			Output: Corporate support such as HR (hiring X2), procurement (contract management x2),	0.30	
528		HBRC	[\$m Amount - outyears (if known)]	[\$m Amount - outyears (if known)]		Finance /management accountants (2), IT Solutions required (3), CX (3)	10% contingency	
529			\$ -	\$ -			\$ <i>m</i>	
530			[Appropriation(s)]	[Source(s)]				
531	47				\$ 5.00	Outcomes:	1	
532						Corporate Support outcomes		
533								
526 527 528 529 530 531 532 533 534 535								
535						Timelines:	1	
536								
537								
538		2023/24	\$ 431.01					
539		2024/25	\$ 222.46					
540		2025/26	\$ 133.80					
541		2026/27 and beyond	\$ 6.60					
542			\$ 793.86	\$ 91.16	\$ 712.92			