

## Version control

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## Annex K Summary of impacts of each MCZ on each sector

K.1 The table presents the **best estimate of costs and benefits of each recommended Marine Conservation Zone (rMCZ) over the entire 20-year period of the Impact Assessment (IA)**. This is broken down by sector. A range of the possible costs based on assumptions made for the purpose of the IA is provided in Annex I. It is assumed that the rMCZs will be designated in 2013. The method papers at Annex H explain how the best estimate and range of estimates was derived for each sector.

K.2 The costs are discounted<sup>1</sup> and provided as present values in the table.<sup>2</sup> A total is provided for each sector at the end of each column with duplication of costs between each rMCZ removed. For some sectors it has not been possible to provide a breakdown of the anticipated cost by rMCZ due to the methodology used. Therefore, for these sectors only a total cost to the sector is presented at the bottom of the table below. However, rMCZs that are anticipated to contribute to these costs for these sectors are identified with an asterisk (\*) in the table. Please note that:

- rMCZs that are anticipated to result in a significant local or regional impact if designated, are flagged in a deeper shade of blue for costs and green for benefits.<sup>3</sup> Please note that not this has not been completed for benefits for rMCZs in Balanced Seas and Finding Sanctuary.
- rMCZs that are anticipated to have significant indirect or qualitative impacts are identified with a double asterisk (\*\*) in each sector column.<sup>4</sup>
- If operators have asked that rMCZ-specific costs are kept confidential at the site level, this is indicated for relevant rMCZs by 'Not disclosed'.
- Costs (£) in millions are presented to one decimal place and costs in thousands are presented without decimal places. Both use appropriate shorthand – either k (thousand) or m (million).
- Cells are blank if the rMCZ is not expected to result in any costs or benefits.

<sup>1</sup> Using a discount rate of 3.5%.

<sup>2</sup> This is because as a whole, society prefers to defer costs to future generations (and to receive goods and services sooner rather than later).

<sup>3</sup> This is a judgement made by the Regional Project Economist for the MCZ region based on research collected over 2 years.

<sup>4</sup> Indirect impacts have not been quantified in the IA to ensure consistent analysis across the sectors represented in the IA. Anticipated impacts that have not been possible to quantify have been described in the IA.

rMCZ	Best estimate of cost (£) of each rMCZ by sector over the 20-year period of the IA														Benefits								
	Aggregate extraction	Aquaculture	Archaeological heritage	Coastal development	Cables (power and telecom cables)	Commercial fisheries <sup>5</sup>	Education and research	Flood and coastal erosion risk management	Oil and gas (including CCS)	National defence	Ports, harbours, shipping and disposal sites <sup>6</sup>	Recreation	Renewable energy	Management (implementation & enforcement)	Area (km <sup>2</sup> )	Ecosystem services						Non-use benefits	
																Fisheries	Recreation	Research and education	Regulation of pollution	Environmental resilience	Natural hazard protection		
<b>Irish Sea Conservation Zones (ISCZ)</b>																							
rMCZ 1 Mud Hole			*			3.1m**			*	*				1.1m	73	↑		↑	↑	↑	↑		↑
rMCZ Reference Area A Mud Hole			*			1.9m**								1.1m	20	↑		↑	↑	↑	↑		↑
rMCZ 2 West of Walney			*			2.0m**			*	*			1.6m**	1.5m	156	↑		↑	↑	↑	↑		↑
Potential Co-Location Zone (PCLZ)			*			1.1m**			*				1.8m**	1.5m	232	↑		↔	↑	↑			↑
rMCZ 3 North St George's Channel					*	1.0m			*	*			4.3m**	1.1m	1,388	↑		↑	↑	↑	↑	↑	↑
rMCZ Reference Area S North St George's Channel (2)						14k			*				1.1m**	1.1m	38	↑		↑	↑	↑	↑	↑	↑
rMCZ Reference Area B North St George's Channel (1)						1k			*					1.1m	35	↑		↑	↑	↑			↑
rMCZ 4 Mid St George's Channel						<1k			*	*				1.1m	761	↑		↑	↑	↑			↑
rMCZ Reference Area C Mid St George's Channel						<1k			*	*				1.1m	103	↑		↑	↑	↑			↑
rMCZ 5 North of Celtic Deep						1k			*	*				1.1m	656	↑		↑	↑	↑			↑
rMCZ 6 South Rigg			*			3.0m**			*	*				1.1m	146	↑		↑	↑	↑			↑
rMCZ Reference Area F South Rigg						1.0m**			*	*				1.1m	16	↑		↑	↑	↑			↑
rMCZ 7 Slieve Na Griddle			*		*	1.6m**			*	*				1.1m	58	↑		↑	↑	↑			↑
rMCZ Reference Area G Slieve Na Griddle						0.3m**				*				1.1m	5	↑		↑	↑	↑			↑
rMCZ 8 Fylde Offshore			*						*		*				260	↔		↑	↔	↔			↑
rMCZ 10 Allonby Bay			*								*				39	↔	↔	↑	↔	↔	↔	↔	↑
rMCZ 11 Cumbrian Coast			*	*	*	0.2m		*		*				0.4m	17	↑	↑	↑	↑	↑	↑	↑	↑
rMCZ 13 Sefton Coast			*			0.2m			*		*	Not quantified**		0.4m	13			↑					↑
rMCZ 14 Hilbre Island Group			*		*	92k**				*		Not quantified**		0.4m	5	↔	↔	↑	↑	↑	↑	↑	↑
rMCZ 15 Solway Estuary			*							*					46	↔							↑

<sup>5</sup> This covers UK fisheries only. Information on impacts of sites on non-UK fisheries can be found in Annex I.

<sup>6</sup> The site-specific estimates for this sector are based on a different assumption for future port development licence applications, compared to the costs for each region and for the entire suite of sites. As such they are not included here as the site-specific costs are likely to be an over-estimate. See Annex I and Annex H12 for further information.

rMCZ	Best estimate of cost (£) of each rMCZ by sector over the 20-year period of the IA														Benefits									
	Aggregate extraction	Aquaculture	Archaeological heritage	Coastal development	Cables (power and telecom cables)	Commercial fisheries <sup>5</sup>	Education and research	Flood and coastal erosion risk management	Oil and gas (including CCS)	National defence	Ports, harbours, shipping and disposal sites <sup>6</sup>	Recreation	Renewable energy	Management (implementation & enforcement)	Area (km <sup>2</sup> )	Ecosystem services						Non-use benefits		
																Fisheries	Recreation	Research and education	Regulation of pollution	Environmental resilience	Natural hazard protection			
rMCZ 16 Wyre–Lune Estuary			*					*					0.9m**		92	↔								↑
rMCZ 17 Ribble Estuary			*												13	↔								↑
rMCZ Reference Area H Allonby Bay						0.1m				*	Not quantified **		0.4m		5	↑		↑	↑	↑	↑	↑	↑	↑
rMCZ Reference Area T Cunning Point						58k		*		*	Not quantified **		0.4m		<1	↑		↑	↑	↑	↑	↑	↑	↑
rMCZ Reference Area J Cumbrian Coast (2)				*		48k				*	Not quantified **		0.4m		1	↑		↑	↑	↑	↑	↑	↑	↑
rMCZ Reference Area I Cumbrian Coast (2)				*		40k					Not quantified **		0.4m		<1	↑		↑	↑	↑	↑	↑	↑	↑
rMCZ Reference Area K Tarn Point			*			0.1m			*	*	Not quantified **		0.4m		1	↑		↑	↑	↑	↑	↑	↑	↑
rMCZ Reference Area W Barrow South						0.1m		*		*	Not quantified **		0.4m		<1	↑	↑	↑	↑	↑	↑	↑	↑	↑
rMCZ Reference Area Y Barrow North						< 1k				*	Not quantified **		0.4m		1	↑	↑	↑	↑	↑	↑	↑	↑	↑
rMCZ Reference Area Z Sefton Coast			*										0.4m		<1			↑	↔	↔				↑
<b>Total for ISCZ adjusted<sup>7</sup></b>			Not quantified	Negligible	27k	14.7m		Not quantified	500k	Negligible	0.62m	Negligible	9.7m	25m										
<b>Finding Sanctuary</b>																								
rMCZ Axe Estuary							*			*					<1	↔	↔	↑	↔	↔	↔	↔	↔	↑
rMCZ Bideford to Foreland Point			*			0.1m		*		*			29k	0.4m	101	↑	↑	↑	↑	↑	↑	↑	↑	↑
rMCZ Broad Bench to Kimmeridge Bay								*	*						<1	↔	↔	↑	↔	↔	↔	↔	↔	↑
rMCZ Camel Estuary		*	*					*		*					2	↔	↔	↑	↔	↔	↔	↔	↔	↑
rMCZ The Canyons						0.1m		*	*					1.1m	661	↔		↑	↔	↔				↑
rMCZ Reference Area The Canyons						20k		*						1.1m	35	↔		↑	↔	↔				↑
rMCZ Cape Bank			*			1.2m		*	*				18k	1.1m	473	↑		↑	↑	↑	↑	↑	↑	↑
rMCZ Reference Area Cape Bank						0.4m								0.8m	25	↑		↑	↑	↑	↑	↑	↑	↑

<sup>7</sup> Adjusted for MCZ overlap.

rMCZ	Best estimate of cost (£) of each rMCZ by sector over the 20-year period of the IA														Benefits							
	Aggregate extraction	Aquaculture	Archaeological heritage	Coastal development	Cables (power and telecom cables)	Commercial fisheries <sup>5</sup>	Education and research	Flood and coastal erosion risk management	Oil and gas (including CCS)	National defence	Ports, harbours, shipping and disposal sites <sup>6</sup>	Recreation	Renewable energy	Management (implementation & enforcement)	Area (km <sup>2</sup> )	Ecosystem services						Non-use benefits
																Fisheries	Recreation	Research and education	Regulation of pollution	Environmental resilience	Natural hazard protection	
rMCZ Celtic Deep						0.1m		*						1.1m	348	↑		↑	↑	↑		↑
rMCZ Reference Area Celtic Deep						<1k								1.1m	1	↔		↑	↑	↑		↑
rMCZ Chesil Beach and Stennis Ledges			*			0.3m	*			*				0.3m	38	↑	↑	↑	↑	↑	↑	↑
rMCZ Dart Estuary		*	*				*			*					5	↔	↔	↑	↔	↔	↔	↑
rMCZ Devon Avon		*	*				*			*					2	↔	↔	↑	↔	↔	↔	↑
rMCZ East of Celtic Deep						5k								1.1m	95	↑		↑	↑	↑		↑
rMCZ East of Haig Fras						0.1m								1.1m	399	↑		↑	↑	↑		↑
rMCZ East of Jones Bank						30k			*					1.1m	359	↑		↑	↑	↑		↑
rMCZ Erme Estuary			*				*								1	↔	↔	↑	↔	↔	↔	↑
rMCZ Reference Area Erme Estuary			*				*				*		0.5m	<1	↔	↑	↑	↑	↑	↑	↑	
rMCZ Greater Haig Fras						25k		*	*					1.1m	2,041	↑		↑	↑	↑		↑
rMCZ Reference Area Haig Fras						0.1m								1.1m	148	↑		↑	↑	↑		↑
rMCZ Hartland Point to Tintagel			*			18k	*			*		23k	1.1m	304	↑	↔	↑	↑	↑	↑	↑	
rMCZ Isles of Scilly Sites			*			5k	*		*	*		17k	1k	50	↑	↑	↑	↑	↑	↑	↑	
rMCZ Lands End			*						*	*		15k		19	↔	↔	↑	↔	↔	↔	↑	
rMCZ Reference Area Lundy			*					*		*	*	12k	0.1m	4	↔	↑	↑	↑	↑	↑	↑	
rMCZ Reference Area Lyme Bay			*			9k	*		*	*	*		0.7m	<1	↑	↑	↑	↑	↑	↑	↑	
rMCZ Morte Platform			*			14k						3k	0.4m	25	↔		↑	↔	↔		↑	
rMCZ Mounts Bay			*				*		*	*				11	↔	↔	↑	↔	↔	↔	↑	
rMCZ Reference Area Mouth of the Yealm										*	*		0.4m	<1	↑	↑	↑	↑	↑	↑	↑	
rMCZ Newquay and The Gannel			*				*			*		15k		9	↔	↔	↑	↔	↔	↔	↑	
rMCZ North of Lundy (Atlantic Array Area)			*			0.4m						6k	1.5m	348	↑		↑	↑	↑		↑	
rMCZ North-East of Haig Fras						0.1m			*				1.1m	464	↑		↑	↑	↑		↑	

rMCZ	Best estimate of cost (£) of each rMCZ by sector over the 20-year period of the IA														Benefits								
	Aggregate extraction	Aquaculture	Archaeological heritage	Coastal development	Cables (power and telecom cables)	Commercial fisheries <sup>5</sup>	Education and research	Flood and coastal erosion risk management	Oil and gas (including CCS)	National defence	Ports, harbours, shipping and disposal sites <sup>6</sup>	Recreation	Renewable energy	Management (implementation & enforcement)	Area (km <sup>2</sup> )	Ecosystem services						Non-use benefits	
																Fisheries	Recreation	Research and education	Regulation of pollution	Environmental resilience	Natural hazard protection		
rMCZ North-West of Jones Bank						3k			*					1.1m	398	↑		↑	↑	↑	↑		↑
rMCZ Otter Estuary								*							<1	↔	↔	↑	↔	↔	↔	↔	↑
rMCZ Padstow Bay and surrounds			*			10k		*		*		15k			92	↑	↔	↑	↔	↔	↔	↔	↑
rMCZ Poole Rocks								*	*	*					4	↔		↑	↔	↔	↔	↔	↑
rMCZ Skerries Bank and surrounds			*							*					250	↑	↔	↑	↑	↑	↑	↑	↑
rMCZ South Dorset			*			0.1m			*			12k	1.1m	193	↑	↑	↑	↑	↑	↑		↑	
rMCZ Reference Area South Dorset			*			0.1m					*	11k	0.7m	25	↑	↑	↑	↑	↑	↑		↑	
rMCZ South of Celtic Deep						0.1m							1.1m	552	↑		↑	↑	↑			↑	
rMCZ South of Falmouth						0.1m			*				0.7m	25	↑		↑	↑	↑			↑	
rMCZ South of Portland									*					18	↔	↔	↑	↔	↔			↑	
rMCZ South of the Isles of Scilly						0.2m			*			11k	1.1m	132	↔		↑	↔	↔			↑	
rMCZ South-East of Falmouth			*			0.1m			*				1.1m	25	↑		↑	↑	↑			↑	
rMCZ Reference Area South-East of Portland Bill						0.1m					*	10k	0.3m	<1	↔	↔	↑	↑	↑			↑	
rMCZ South-West Deeps (East)						0.3m			*				1.1m	5,809	↑		↑	↑	↑			↑	
rMCZ South-West Deeps (West)						0.3m			*				1.1m	1,824	↑		↑	↑	↑			↑	
rMCZ Studland Bay			*					*	*	*	1.7m		0.4m	4	↑	↑	↑	↑	↑	↑	↑	↑	
rMCZ Reference Area Swanpool			*								*		0.3m	<1	↔	↔	↑	↔	↔	↔	↔	↑	
rMCZ Tamar Estuary sites			*					*		*				15	↔	↔	↑	↔	↔	↔	↔	↑	
rMCZ Taw-Torridge Estuary			*					*		*				5	↔	↔	↑	↔	↔	↔	↔	↑	
rMCZ Reference Area The Fal			*			0.2m		*		*	956k		0.5m	<1	↑	↑	↑	↑	↑	↑	↑	↑	
rMCZ Reference Area The Fleet			*			0.1m		*					0.5m	2	↑	↑	↑	↑	↑	↑	↑	↑	
rMCZ The Manacles			*			9k			*	*			0.3m	4	↑	↔	↑	↑	↑	↑	↑	↑	
rMCZ Torbay			*			0.1m		*		*			0.5m	20	↑	↑	↑	↑	↑	↑	↑	↑	
rMCZ Upper Fowey and Pont Pill								*		*				2	↔	↔	↑	↔	↔	↔	↔	↑	

rMCZ	Best estimate of cost (£) of each rMCZ by sector over the 20-year period of the IA														Benefits									
	Aggregate extraction	Aquaculture	Archaeological heritage	Coastal development	Cables (power and telecom cables)	Commercial fisheries <sup>5</sup>	Education and research	Flood and coastal erosion risk management	Oil and gas (including CCS)	National defence	Ports, harbours, shipping and disposal sites <sup>6</sup>	Recreation	Renewable energy	Management (implementation & enforcement)	Area (km <sup>2</sup> )	Ecosystem services						Non-use benefits		
																Fisheries	Recreation	Research and education	Regulation of pollution	Environmental resilience	Natural hazard protection			
rMCZ Western Channel						0.5m			*					1.1m	1,614	↑		↑	↑	↑	↑	↑	↑	
rMCZ Whitsand and Looe Bay			*			0.1m		*	*	*				0.3m	52	↑	↔	↑	↑	↑	↑	↑	↑	
<b>Total for Finding Sanctuary adjusted<sup>8</sup></b>		2.0m	Not quantified		27k	5.4m		Not quantified	70k	Negligible	13.6m	2.7m	195k	35m										
<b>Balanced Seas</b>																								
rMCZ 2 Stour and Orwell Estuaries			*			72k				*	**			0.2m	87	↑	↑	↑	↑	↑	↑	↑	↑	↑
rMCZ Reference Area 22 North Mistley			*			2k		**		*	**			0.9m	1	↑	↑	↑	↑	↑	↑	↑	↑	↑
rMCZ Reference Area 24 Harwich Haven			*			4k		**		*	1.1m			0.9m	1	↑	↑	↑	↑	↑	↑	↑	↑	↑
rMCZ 3 Blackwater, Crouch, Roach and Colne Estuaries			*	**					*	*		4.1m		305	↔	↔	↑	↔	↔	↔	↔	↔	↑	
rMCZ Reference Area 1 Colne Point			*			6k				*	**			0.9m	1	↑	↑	↑	↑	↑	↑	↑	↑	↑
rMCZ Reference Area 2 South Mersea						<sup>9</sup>				*	**			0.9m	<1	↑		↑	↑	↑	↑	↑	↑	↑
rMCZ Reference Area 23 Abbots Hall Farm			*												3		↑	↑					↑	
rMCZ 5 Thames Estuary			*	**					*	*					132	↔	↔	↑	↔	↔	↔	↔	↑	
rMCZ Reference Area 3 Holehaven Creek			*			< 1k		**		*	1.2m			0.9m	2	↑	↑	↑	↑	↑	↑	↑	↑	↑
rMCZ 6 Medway Estuary			*	**					*	*					65	↔	↔	↑	↔	↔	↔	↔	↑	
rMCZ 7 Thanet Coast			*			0.2m			*	*				0.1m	63	↑	↑	↑	↑	↑	↑	↑	↑	↑
rMCZ Reference Area 4 Westgate Promontory									*	*	**			0.3m	<1	↑	↑	↑	↑	↑	↑	↑	↑	↑
rMCZ Reference Area 5 Turner Contemporary			*			3k			*	*	**			0.4m	<1	↑	↑	↑	↑			↑	↑	
rMCZ 8 Goodwin Sands	**		*						*	*		1.7m		277	↔	↔	↑	↔	↔	↔	↔	↔	↑	
rMCZ Reference Area 6 Goodwin Knoll			*			0.1m			*		2.6m			0.9m	23	↑	↑	↑	↑	↑	↑	↑	↑	↑
rMCZ 9 Offshore Foreland						31k			*	*				0.7m	252	↑	↑	↑	↑	↑	↑	↑	↑	↑
rMCZ 10 The Swale Estuary			*	**		0.6m			*	*	**	1.3m		0.3m	51	↑	↑	↑	↑	↑	↑	↑	↑	↑
rMCZ 11.1 Dover to Deal			*			18k			*	*				0.1m	10	↑	↑	↑	↑	↑	↑	↑	↑	↑

<sup>8</sup> Adjusted for MCZ overlap.

<sup>9</sup> No estimated value of landings available

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																Fisheries	Recreation	Research and education	Regulation of pollution	Environmental resilience	Natural hazard protection	
rMCZ Reference Area 7 South Foreland Lighthouse			*			6k		*		*	1.3m		0.3m	1	↑	↑	↑	↑	↑	↑	↑	↑
rMCZ 11.2 Dover to Folkestone			*			0.1m		*		*			0.1m	20	↑	↑	↑	↑	↑	↑	↑	↑
rMCZ 11.4 Folkestone Pomerania			*			0.3m		*					0.3m	34	↑	↑	↑	↑	↑			↑
rMCZ Reference Area 25 Flying Fortress			*			13k		*			1.2m		0.9m	1	↑	↑	↑	↑	↑			↑
rMCZ 13.1 Beachy Head East			*			3.1m <sup>10</sup>	10k <sup>11</sup>	*		*			0.3m	193	↑	↑	↑	↑	↑	↑	↑	↑
rMCZ 13.2 Beachy Head West			*			0.1m	**	*		*			0.1m	26	↑	↑	↑	↑	↑	↑	↑	↑
rMCZ Reference Area 9 Belle Tout – Beachy Head			*			9k		*		*	**		0.2m	1	↑	↑	↑	↑	↑	↑	↑	↑
rMCZ 14 Offshore Brighton						7.4m			*				1.1m	862	↑	↑	↑	↑	↑			↑
rMCZ Reference Area 10 Dolphin Head						0.6m			*		**		1.1m	75	↑	↑	↑	↑	↑			↑
rMCZ 16 Kingmere	32k					1.0m <sup>12</sup>		*			**		0.1m	48	↑	↑	↑	↑	↑			↑
rMCZ 17 Offshore Overfalls	0.1m		*			1.6m		*	*	*		9k	0.8m	593	↑	↑	↑	↑	↑			↑
rMCZ 19 Norris to Ryde			*			0.6m		*	*	*	1.7m		0.5m	20	↑	↑	↑	↑	↑	↑	↑	↑
rMCZ Reference Area 16 Wootton Old Mill Pond			*							*				<1			↑					↑
rMCZ Reference Area 17 King's Quay			*						*	*	**		0.1m	<1	↑	↑	↑	↑	↑	↑	↑	↑
rMCZ 20 The Needles			*			54k		*	*	*		15k	0.3m	11	↑	↑	↑	↑	↑	↑	↑	↑
rMCZ Reference Area 20 Stalked Jellyfish (within Alum Bay <sup>13</sup> )														Not quantified								
rMCZ 21 Wight Barfleur									*					94	↔	↔	↑	↔	↔			↑
rMCZ Reference Area 14 Wight-Barfleur						46k			*			0.5m	1.1m	25	↑	↑	↑	↑	↑			↑
rMCZ 22 Bembridge	17k		*			0.8m		*	*	*	2.5m	9k	0.5m	94	↑	↑	↑	↔	↑	↑	↑	↑
rMCZ Reference Area 15 Tyne Ledges			*					*		*	**		0.1m	<1	↑	↑	↑	↑	↑	↑	↑	↑

<sup>10</sup> This cost is high because of the cost of management scenario 2, but management scenario 1 is the more likely option

<sup>11</sup> This would be a one-off cost for both sites rMCZs 13.1 and 13.2

<sup>12</sup> This cost is high because of the cost of management scenario 2, but management scenario 1 is the more likely option

<sup>13</sup> No site boundary has yet been defined for this rMCZ Reference Area due to the uncertainty of the location of the stalked jellyfish *Lucernariopsis campanulata* and the high quantity of commercial potting and recreational activities that occur within the area.

rMCZ	Best estimate of cost (£) of each rMCZ by sector over the 20-year period of the IA														Benefits									
	Aggregate extraction	Aquaculture	Archaeological heritage	Coastal development	Cables (power and telecom cables)	Commercial fisheries <sup>5</sup>	Education and research	Flood and coastal erosion risk management	Oil and gas (including CCS)	National defence	Ports, harbours, shipping and disposal sites <sup>6</sup>	Recreation	Renewable energy	Management (implementation & enforcement)	Area (km <sup>2</sup> )	Ecosystem services						Non-use benefits		
																Fisheries	Recreation	Research and education	Regulation of pollution	Environmental resilience	Natural hazard protection			
rMCZ Reference Area 21 Culver Spit			*			5k			*	*	*	**		0.5m	<1	↑	↑	↑	↑				↑	
rMCZ 23 Yarmouth to Cowes			*			0.4m			*		*	0.9m	12k	0.5m	17	↑	↑	↑	↑	↑	↑	↑	↑	↑
rMCZ Reference Area 19 Newton Harbour			*			7k			*			**		0.5m	1	↑	↑	↑	↑			↑	↑	
rMCZ 24.2 Fareham Creek			*						*	*	*				4	↔	↔	↑	↔	↔	↔	↔	↑	
rMCZ 25.1 Pagham Harbour			*						*						3	↔	↔	↑	↔			↔	↑	
rMCZ Reference Area 11 Church Norton Spit									*		**			0.1m	<1			↑					↑	
rMCZ 25.2 Selsey Bill and the Hounds			*						*				9k		13	↔	↔	↑	↔			↔	↑	
rMCZ Reference Area 12 Mixon Hole			*						*			**		0.2m	<1	↑	↑	↑					↑	
rMCZ 26 Hythe Bay			*			0.2m				*				0.4m	42	↑	↑	↑	↑				↑	
rMCZ Reference Area 8 Hythe Flats			*			8k						1.4m		0.9m	1	↑	↑	↑	↑				↑	
rMCZ 28 Utopia	0.1m		*			16k			*	*			9k	0.1m	3	↑	↑	↑					↑	
rMCZ Reference Area 13 North Utopia	0.2m		*			7k			*				9k	0.9m	<1	↑	↑	↑	↑	↑			↑	
rMCZ 29 East Meridian	40k					5.8m			*					1.1m	408	↑	↑	↑	↑	↑			↑	
rMCZ 29.2 East Meridian (Eastern Side Option)	40k					0.9m			*					1.1m	201	↑	↑	↑	↑				↑	
rMCZ 30 Kentish Knock East						71k			*	*				1.1m	96	↑	↑	↑	↑				↑	
rMCZ 31 Inner Bank			*			1.0m			*					1.5m	199	↑	↑	↑	↑	↑			↑	
rMCZ Reference Area 18 St Catherine's Point			*			0.1m			*	*		2.3m	24k	0.5m	14	↑	↑	↑					↑	
<b>Total for Balanced Seas adjusted</b>	0.5m		Not quantified		27k	21.3m		10k	58k	Not quantified	7.3m	16.6m	7.2m	35m										
<b>Net Gain</b>																								
rMCZ NG 1b Orford Inshore			*			0.1m **							1.8m	0.7m	72	↑	↑	↑	↑					↑
rMCZ NG 1c Alde-Ore Estuary			*	*						*			2.3m		12	↔	↔	↑				↔		↑
rMCZ NG 2 Cromer Shoal Chalk Beds			*						*				3.6m		316	↔	↔	↑	↔	↔	↔	↔		↑
rMCZ NG 4 Wash Approach	56k		*						*				Not disclosed		725	↔	↔	↑			↔			↑
rMCZ NG 5 Lincs Belt			*	*					*	*			2.5m		176	↔	↔	↑	↔	↔	↔	↔		↑



rMCZ	Best estimate of cost (£) of each rMCZ by sector over the 20-year period of the IA														Benefits							
	Aggregate extraction	Aquaculture	Archaeological heritage	Coastal development	Cables (power and telecom cables)	Commercial fisheries <sup>5</sup>	Education and research	Flood and coastal erosion risk management	Oil and gas (including CCS)	National defence	Ports, harbours, shipping and disposal sites <sup>6</sup>	Recreation	Renewable energy	Management (implementation & enforcement)	Area (km <sup>2</sup> )	Ecosystem services						Non-use benefits
																Fisheries	Recreation	Research and education	Regulation of pollution	Environmental resilience	Natural hazard protection	
rMCZ NG 6 Silver Pit	37k					0.1m**		*	*				3.8m	1.1m	168	↑	↑	↑		↑		↑
rMCZ NG 7 Markham's Triangle				*		1.1m **		*	*				Not disclosed	1.1m	200	↑		↑	↑	↑		↑
rMCZ NG 8 Holderness Inshore			*					*	*				2.1m		317	↔	↔	↑	↔	↔	↔	↑
rMCZ NG 9 Holderness Offshore			*	*		4.9m **		*	*				5.9m	1.1m	1176	↑	↑	↑	↑	↑		↑
rMCZ NG 10 Castle Ground				*					*	*			2.2m		4	↔	↔	↑		↔	↔	↑
rMCZ NG 11 Boulby			*						*	*			1.6m		68	↔	↔	↑	↔	↔	↔	↑
rMCZ NG 12 Compass Rose				*		0.1m **		*	*					1.1m	552	↑	↑	↑				↑
rMCZ NG 13 Coquet to St Mary's			*							*			4.8m		199	↔	↔	↑	↔	↔	↔	↑
rMCZ NG 13a Aln Estuary			*							*					<1	↔	↔	↑	↔	↔	↔	↑
rMCZ NG 14 Farnes East				*		0.4m **			*					1.1m	945	↑	↑	↑	↑	↑		↑
rMCZ NG 15 Rock Unique									*						492	↔		↑	↔	↔		↑
rMCZ NG 16 Swallow Sand				*				*	*						4,746	↔		↑	↔	↔		↑
rMCZ NG 17 Fulmar				*				*	*						2,437	↑		↑	↔	↔		↑
rMCZ Reference Area 1 North Norfolk Blue Mussel Beds						4k		*						1.0m	<1		↑	↑	↑	↑		↑
rMCZ Reference Area 2a&b Seahorse Lagoon and Arnold's Marsh			*							*			74k		<1		↔	↑	↑	↑	↑	↑
rMCZ Reference Area 3 Glaven Reedbed										*	*		57k	10k	<1		↔	↑	↑	↑	↑	↑
rMCZ Reference Area 4 Blakeney Marsh										*	*		0.2m	0.3m	1	↑	↑	↑	↑	↑	↑	↑
rMCZ Reference Area 5 Blakeney Seagrass										*	*		63k	0.3m	<1	↑	↑	↑	↑	↑	↑	↑
rMCZ Reference Area 6 Dogs Head Sandbanks			*						*	*	*		10k		12		↔	↑	↑	↑	↑	↑
rMCZ Reference Area 7 Seahenge Peat and Clay			*							*	*		10k		<1		↑	↑	↑	↑	↑	↑
rMCZ Reference Area 8 Wash Approach RA				*		0.1m **		*			*		0.1m	1.1m	25	↑	↑	↑	↑	↑		↑
rMCZ Reference Area 9 Flamborough Head No Take Zone			*			0.1m (if byelaw is not renewed)			*	*	*		10k		1	↑	↑	↑	↑	↑	↑	↑
rMCZ Reference Area 10 Compass Rose RA				*		19k **		*	*					1.1m	25	↑	↑	↑	↑	↑		↑

rMCZ	Best estimate of cost (£) of each rMCZ by sector over the 20-year period of the IA														Benefits								
	Aggregate extraction	Aquaculture	Archaeological heritage	Coastal development	Cables (power and telecom cables)	Commercial fisheries <sup>5</sup>	Education and research	Flood and coastal erosion risk management	Oil and gas (including CCS)	National defence	Ports, harbours, shipping and disposal sites <sup>6</sup>	Recreation	Renewable energy	Management (implementation & enforcement)	Area (km <sup>2</sup> )	Ecosystem services						Non-use benefits	
																Fisheries	Recreation	Research and education	Regulation of pollution	Environmental resilience	Natural hazard protection		
rMCZ Reference Area 11 Berwick Coast			*			53k					*	*		6k	<1	↑	↑	↑	↑	↑	↑	↑	↑
rMCZ Reference Area 12 Farnes Clay						37k				*				1.1m	3	↑		↑	↑	↑			↑
rMCZ Reference Area 13 Rock Unique RA						66k				*				1.1m	52	↑		↑	↑	↑			↑
<b>Total for Net Gain adjusted</b>	93k		Not quantified	Negligible	27k	7.7m			3.9m	Not quantified	0.98m	Not quantified	42.8m	15m									
<b>Total for all rMCZs</b>	595k	2.0m	Not quantified	Negligible	106k	49.1m		10k	5.4m	183k	21.8m	23.1m	59.8m	111m	37,475								