Policy development Zone (PDZ)5

Management Area

(MA):

Location: Pendennis Point to Rosemullion Head

Policy Units (PU):13.1, 13.2, 13.3, 13.4, 13.5, 13.6

### DAMAGES

Scenario:

No Active Intervention

Present value of flooding	No. properties	PVd 2025 (£k)		PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present Value (£k)
Flooding damages	1	21.9	10	43.7	14	16.7	82.2
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
*	No. properties	PV for epoch (£k)		PV for epoch (£k)	No. properties	PV for epoch (£k)	
	. 0	0.0	0	0.0	1	3.1	3.1
Total Damages							85.4
Information							

# DAMAGES

Scenario:

Preferred Policy

	1 Tololica Tolloy						
Present value of flooding	No. properties	PVd 2025 (£k)		PVd 2055 (£k)	No. properties	PVd 2105	Total Presen Value (£k)
Flooding dan		0.0		8.2			
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
	No. properties	PV for epoch (£k)		PV for epoch (£k)		PV for epoch	
	0	0.0	0	0.0	0	0.0	0.0
Total Dan	nages						15.6
Information	Car park & road loss	es not accounte	ed for. Erosid	on and flood	d risk delaye	ed and redu	iced due to

Costs
Preferred Policy

Description		PV value (£k)
Hold the line of defence and MR in epochs Meanporth	2&3 at Swanpool &	
Notes: minimal cost included for MR at Sy Meanporth	vanpool and	65.5

lotes		
		1,100

Economics Summary		by 2025	by 2055	by 2105	Total £k PV
Property	Potential NAI Damages (£k PV)	21.9	43.7	19.8	85.4
	Preferred Plan Damages (£k PV)	0.0	8.2	7.4	15.6
	Benefits of preferred plan (£k PV)	21.9	35.4	12.4	69.7
	Costs of Implementing plan £k PV	41	18	6	65
			Benefit/C	ost ratio of plan	1.1

Sensitivity Analysis		
		Benefit/Cost ratio of preferred plan with costs +60%
1.33	0.89	0.67

Policy development Zone (PDZ)5

Management Area

(MA):

Policy Units (PU):14.1, 14.2, 14.3, 14.4, 14.5, 14.6, 14.7, 14.8, 14.9

DAMAGES

Location: Helford

Scenario:

No Active Intervention

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties		Total Present Value (£k)
Flooding damages	38	258.9	50	219.8	78	141.5	620.1
			47				
Present value of erosion	0-20 yrs	11	20 to 50 yrs		50 to 100 yrs		
	No. properties	PV for epoch (£k)	No. properties	PV for epoch (£k)	No. properties	PV for epoch (£k)	
	2	143.1	1	70.2	1	21.5	234.8
Total Damages							855.0
Information							

# DAMAGES

Scenario:

Preferred Policy

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present Value (£k)
Flooding damages	8	51.8	10	44.0	16	28.3	124.0
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
	No. properties	PV for epoch (£k)	No. properties	PV for epoch (£k)	No. properties	PV for epoch (£k)	
	2	143.1	1	70.2	1	21.5	234.8
Total Damages							358.9
	Car park & road losse MR policy	es not accounte	d for. Erosio	n and flood	risk delaye	d and reduc	ed due to

# Costs

Preferred Polic

Notes: Majority of costs relate to Gweek.	425.9
Hold the line of defence and raise defence Gweek - cost not included for unconsented Gweek	
Description	PV value (£k)

Notes	

Economics	Summary	by 2025	by 2055	by 2105	Total £k PV
Property	Potential NAI Damages (£k PV)				
		402.0	290.0	163.0	855.0
	Preferred Plan Damages (£k PV)	194.9	114.2	49.8	358.9
	Benefits of preferred plan (£k PV)	207.1	175.8	113.2	496.1
	Costs of Implementing plan £k PV	213	107	106	426
			Benefit/Co	ost ratio of plan	1.16

Sensitivity Analysis		
	preferred plan with	Benefit/Cost ratio of preferred plan with costs +60%
1.33	0.89	0.67

Policy development Zone (PDZ)6

Management Area

Location: Lizard East (Nare Point to Lizard Point)

Policy Units (PU):15.1, 15.2, 15.3, 15.4, 15.5, 15.6

DAMAGES

Scenario:

No Active Intervention

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present Value (£k)
Flooding damages	4	37.1	4	19.5			
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
	No. properties	PV for epoch (£k)		PV for epoch (£k)	No. properties	PV for epoch (£k)	
	1	47.5	17	729.2	27	326.7	1103.4
Total Damages							1170.4
Information							

DAMAGES

Scenario:

Preferred Policy

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present Value (£k)
Flooding damages	0	0.0	0	0.0	0	0.0	0.0
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
	No. properties	PV for epoch (£k)	No. properties	PV for epoch	No. properties	PV for epoch	
	0	0.0	0	0.0		0.0	0.0
Total Damages			141				0.0
Information	Car park & road losses not accounted for. Erosion and flood risk delayed and reduced due to MR policy						

Costs Preferred Policy

Description	PV value (£k)
HTL in the first epoch.	
Notes:	-195
V.	732.

High initial costs in HTL for the many small coves, but this is offset by the reduced damages that are subsequently experienced

Economics	Summary	by 2025	by 2055	by 2105	Total £k PV
(£k PV) Preferred Plan Dan (£k PV) Benefits of preferred (£k PV)	Potential NAI Damages (£k PV)	84.6	748.7	337.1	1170.4
	Preferred Plan Damages (£k PV)	0.0	0.0	0.0	0.0
	Benefits of preferred plan (£k PV)	84.6	748.7	337.1	1170.4
		608	84	40	732
			Benefit/C	ost ratio of	1.60

Sensitivity Analysis		
preferred plan with	preferred plan with	Benefit/Cost ratio of preferred plan with costs +60%
2.00	1.33	1.00

Policy development Zone (PDZ)6

Management Area

(MA):

Location: Lizard West (Lizard Point to Baulk Head)

Policy Units (PU):16.1, 16.2, 16.3, 16.4, 16.5

DAMAGES

Scenario:

No Active Intervention

Present value of flooding	No. properties	PVd 2025 (£k)		PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present Value (£k)
Flooding damages	0	0.0	0	0.0	0	0.0	0.0
Present value of erosion							
Present value of erosion	0-20 yrs		20 to 50 yrs	PV for epoch	50 to 100 yrs	PV for epoch	
	No. properties	PV for epoch (£k)			No. properties		
	0	0.0	0	0.0	3	49.3	49.3
Total Damages							49.3
Information							

DAMAGES

Scenario:

Preferred Policy

Present value of flooding	No. properties	PVd 2025 (£k)		PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present Value (£k)
Flooding damages	0	0.0		0.0		0.0	
							1
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
	No. properties	PV for epoch (£k)	No. properties	PV for epoch (£k)	No. properties	PV for epoch (£k)	
	0	0.0	0	0.0	1	16.4	16.4
Total Damages							16.4
Information	Car park & road losse MR policy	es not accounte	ed for. Erosio	on and flood	d risk delaye	ed and redu	iced due to

Costs

Preferred Policy	
Description	PV value (£k)
Only initial costs of MR for the MR policy at Jangye-ryn	
Notes:	14.2

Economics	Summary	by 2025	by 2055	by 2105	Total £k PV
Property	Potential NAI Damages (£k PV)	0.0	0.0 49.3		49.3
	Preferred Plan Damages (£k PV)	0.0	0.0	16.4	16.4
	Benefits of preferred plan (£k PV)	0.0	0.0	32.9	32.9
	Costs of Implementing plan £k PV	14	0	0 0	
			A RESIDENCE OF THE PROPERTY OF THE	Benefit/Cost ratio of preferred plan	

Notes		

Sensitivity Analysis		
Benefit/Cost ratio of	Benefit/Cost ratio of	Benefit/Cost ratio of
preferred plan with	preferred plan with	preferred plan with
costs -20%	costs +20%	costs +60%
2.90	1.93	1.45

Policy development Zone (PDZ)7

Management Area

(MA):

Location: Baulk Head to Trewayas Head

Policy Units (PU):17.1, 17.2, 17.3, 17.4

DAMAGES

Scenario:

No Active Intervention

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present Value (£k)
Flooding damages	0	0.0	0	0.0	0	0.0	0.0
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
	No. properties	PV for epoch (£k)	No. properties	PV for epoch (£k)	No. properties	PV for epoch (£k)	161
	. 2	266.6	41	2352.8	66	1259.4	3878.8
Total Damages							3878.8
Information							

# DAMAGES Scenario:

Preferred Policy

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present Value (£k)
Flooding damages	0	0.0	0	0.0		0.0	0.0
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
	No. properties	PV for epoch (£k)		PV for epoch (£k)	No. properties	PV for epoch (£k)	
	0	0.0	0	0.0	0	0.0	0.0
Total Damages							0.0
Information	Car park & road losse	es not accounte	d for Frosio	n and flood	risk delave	d and redu	ced due to MR policy

### Costs

Preferred Policy

Description	PV value (£k)
Hold the line of defence and raise defence in the future at Porthleven	
Notes:	3352.3

conomics	Summary	by 2025	by 2055	by 2105	Total £k PV
roperty	Potential NAI Damages (£k PV)	266.6	2352.8	1259.4	3878.8
	Preferred Plan Damages (£k PV)	0.0	0.0	- 0.0	0.0
	Benefits of preferred plan (£k PV)	266.6	2352.8	1259.4	3878.8
	Costs of Implementing plan £k PV	1418	713	1222	3352
			Benefit/Co		1.16

Notes

High cost of work at Porthleven to maintain defences

Sensitivity Analysis		
preferred plan with	preferred plan with	Benefit/Cost ratio of preferred plan with costs +60%
1.45	0.96	0.73

Policy development Zone (PDZ)7

Management Area

(MA):

MA):

Location: Trewavas Head to The Greeb

Policy Units (PU):18.1, 18.2, 18.3, 18.4

DAMAGES

Scenario:

No Active Intervention

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties		Total Present Value (£k)
Flooding damages	0	0.0	0	0.0		0.0	0.0
Present value of erosion	0-20 yrs		20 to 50 yrs	, i	50 to 100 yrs		
	No. properties	PV for epoch (£k)		PV for epoch (£k)	No. properties	PV for epoch (£k)	
	0	0.0	11	610.3	42	829.7	1440.0
Total Damages							1440.0
Information							

# DAMAGES

Scenario:

Preferred Policy

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties	PVd 2105	Total Present Value (£k)
Flooding damages		0.0		0.0		0.0	- ' '
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
	No. properties	PV for epoch (£k)		PV for epoch (£k)	No. properties	PV for epoch (£k)	
	0	0.0	8	457.8	11	207.4	665.2
Total Damages							665.2
Car park & road losses not accounted for. Erosion and flood risk delayed and reduced due Information MR policy							iced due to

# Costs

Preferred Policy

Description	PV value (£k)
Relatively low costs associated with MR at Praa Sands West	
Notes:	60.7

N	o	t	e	S

Robust B/C ratio as no capital costs allowed for reconstruction of defence to HTL

<b>Economics</b>	Summary	by 2025	by 2055	by 2105	Total £k PV
Property	Potential NAI Damages (£k PV)				
		0.0	610.3	829.7	1440.0
	Preferred Plan Damages (£k PV)	0.0	457.8	207.4	665.2
	Benefits of preferred plan (£k PV)	0.0	152.6	622.3	774.9
	Costs of Implementing plan £k PV	39	22 0		61
	· · · · · · · · · · · · · · · · · · ·		Benefit/Cost ratio of		12.8

Sensitivity Analysis		
Benefit/Cost ratio of preferred plan with costs -20%	preferred plan with	Benefit/Cost ratio of preferred plan with costs +60%
16.0	10.6	8.0

Policy development Zone (PDZ)8

Management Area

(MA):

Location: Marazion to Long Rock

Policy Units (PU):19.1, 19.2, 19.3, 19.4, 19.5, 19.6

DAMAGES

Scenario:

No Active Intervention

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present Value (£k)
Flooding damages	0	0.0	0	0.0	71	86.0	86.0
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
	No. properties	PV for epoch (£k)	No. properties	PV for epoch (£k)	No. properties	PV for epoch (£k)	
	1	11.2	194	9804.8	137	2659.7	12475.7
Total Damages							12561.7
Information							

### DAMAGES

Scenario:

Preferred Policy

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present Value (£k)	
Flooding damages	0	0.0	0	0.0	0	0.0	0.0	
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs			
	No. properties	PV for epoch (£k)		PV for epoch (£k)	No. properties	PV for epoch (£k)		
	0	0.0	0	0.0	0	0.0	0.0	
Total Damages							0.0	
Information	Car park & road losse	ar park & road losses not accounted for. Erosion and flood risk delayed and reduced due to MR policy						

### Costs

Preferred Policy

Description	PV value (£k)
Hold the line of defence and raise defen Marazion Town, St Michael's Mount harl & Marsh	

### Notes

Robust B/C ratio due to the removal of erosion risk to large numbers of properties Rail, road and helicopter infrastructure and disruption not included, which would further increase the B/C ratio

Economics	Summary	by 2025	by 2055	by 2105	Total £k PV
Property	Potential NAI Damages (£k PV)				
		11.2	9804.8	2745.6	12561.7
	Preferred Plan Damages (£k PV)	0.0	0:0	0.0	0.0
	Benefits of preferred plan (£k PV)	11.2	9804.8	2745.6	12561.7
	Costs of Implementing plan £k PV	1727	859	821	3407
			Benefit/Co		3 69

preferred plan with		Benefit/Cost ratio of preferred plan with costs +60%
4.61	3.07	2.30

Policy development Zone (PDZ)8

Management Area

(MA):

Location: Long Rock to Penzance

Policy Units (PU):20.1, 20.2

DAMAGES

Scenario:

No Active Intervention

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present Value (£k)
Flooding damages	0	0.0		0.0			
							7
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
	No. properties	PV for epoch (£k)		PV for epoch (£k)	No. properties	PV for epoch (£k)	4.
	0	0.0	67	4090.1	89	1459.0	5549.1
Total Damages							5715.2
Information							

### DAMAGES

Scenario:

### Preferred Policy

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present Value (£k)
Flooding damages	0	0.0	0	0.0	0	0.0	0.0
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs	2.	
				PV for epoch		PV for epoch	
	No. properties	PV for epoch (£k)	No. properties	(£k)	No. properties	(£k)	
	0	0.0	0	0.0	2.0	69.1	69.
Total Damages					_		69.
Information	Car park & road losse	es not accounte	d for, Erosic	n and flood	risk delave	ed and redu	ced due to MR policy

# Costs

Preferred Policy		
Description	PV value (£k)	
Hold the line of defence and raise defend Longrock &Eastern Green in epochs 2&3		
Notes: High costs assumed with the MR	options	4575.0

### Notes

No account or rail or road assets or disruption has been included

Economics	Summary	by 2025	by 2055	by 2105	Total £k PV
Property	Potential NAI Damages (£k PV)	0.0	4090.1	1625.2	5715.2
	Preferred Plan Damages (£k PV)	0.0	0.0	69.1	69.1
	Benefits of preferred plan (£k PV)	0.0	4090.1	1556.1	5646.1
	Costs of Implementing plan £k PV	1687	1654	1233	4575
			Benefit/Co	ost ratio of	1.23

Sensitivity Analysis		
	preferred plan with	Benefit/Cost ratio of preferred plan with costs +60%
1.54	1.03	0.77

Policy development Zone (PDZ)8

Management Area

(MA):

Location: Penzance & Newlyn (Albert Pier to Sandy Cove

21 Policy Units (PU):21.1, 21.2, 21.3, 21.4

breakwater)

DAMAGES Scenario:

No Active Intervention

Present value of flooding	No. properties		PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present Value (£k)
Flooding damages		162	1607.0	179	956.6	246	388.2	2951.8
Present value of erosion	0-20 yrs			20 to 50 yrs		50 to 100 yrs		
	No. properties		PV for epoch (£k)		PV for epoch (£k)		PV for epoch	
		23	1440.7	105	4813.5	274	4915.0	11169.2
Total Damages								14121.1
Information								

DAMAGES Scenario:

Preferred Policy

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present Value (£k)
Flooding damages	0	0.0	0	0.0	0	0.0	0.0
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
	NV 70.7	Moses and the second		PV for epoch		PV for epoch	
	No. properties	PV for epoch (£k)	No. properties	(£k)	No. properties	(£k)	
	0	0.0	0	0.0	0	0.0	0.0
Total Damages							0.0
Information	Car park & road losse	es not accounte	d for. Erosio	n and flood	risk delaye	d and redu	ced due to MR policy

### Costs

Preferred Policy

Description		PV value (£k)
Hold the line of defence and raise defence Wherry town where MR in epochs 2&3	e in the future, except	
Notes: High costs associated with MR at	Wherry town as likely	
to be complex.		11995.6

Notes	
Notes	

Economics	Summary	by 2025	by 2055	by 2105	Total £k PV
Property Potential NAI Damages (£k PV)		3047.7	5770.2	5303.3	14121.1
	Preferred Plan Damages (£k PV)	0.0	0.0	0.0	0.0
	Benefits of preferred plan (£k PV)	3047.7	5770.2	5303.3	14121.1
	Costs of Implementing plan £k PV	6844	3134	2018	11996
	and the second		Benefit/Co	ost ratio of	1.19

Sensitivity Analysis		
	preferred plan with	Benefit/Cost ratio of preferred plan with costs +60%
1.47	0.98	0.74

Policy development Zone (PDZ)8

Management Area

(MA):

Location: Sandy Cove breakwater to Spaniard Point

Policy Units (PU):22.1, 22.2

DAMAGES

Scenario:

No Active Intervention

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present Value (£k)
Flooding damages	0	0.0	5	13.4	8	9.3	22.6
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
				PV for epoch		PV for epoch	
	No. properties	PV for epoch (£k)	No. properties	(£k)	No. properties	(£k)	
- W.W.	0	0.0	0	0.0	6	113.9	113.9
Total Damages							136.5
Information							

DAMAGES

Scenario:

Preferred Policy

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present Value (£k)
Flooding damages	0	0.0	0	0.0	0	0.0	0.0
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
	No. properties	PV for epoch (£k)		PV for epoch (£k)	No. properties	PV for epoch (£k)	Ψ.
	0	0.0	0	0.0	0	0.0	0.0
Total Damages							0.0
Information	Car park & road losse	es not accounte	d for. Erosio	n and flood	risk delaye	d and redu	ced due to MR policy

# Costs

Preferred Policy

Description	PV value (£k)
Hold the line of defence and raise defence in the future	A
Notes:	
	3202.8

### Notes

V low B/C ratio due to high costs of Mousehole harbour maintenance. Investigation into role of harbour beyond simply flood/coast protection required. A wide range of funding sources may require investigation.

Economics	Summary	by 2025	by 2055	by 2105	Total £k PV
Property	Potential NAI Damages (£k PV)	0.0	13.4	123.1	136.5
	Preferred Plan Damages (£k PV)	0.0	0.0	0.0	0.0
	Benefits of preferred plan (£k PV)	0.0	13.4	123.1	136.5
	Costs of Implementing plan £k PV	1785	831	587	3203
			Benefit/C	ost ratio of plan	0.04

Sensitivity Analysis		
	a manufactura servici di maldato e mandre l'accesa	Benefit/Cost ratio of preferred plan with costs +60%
0.053	0.036	0.027

Policy development Zone (PDZ)9

Management Area

(MA):

Location: Spaniard Point to Lands End

Policy Units (PU):23.1, 23.2

DAMAGES

Scenario:

No Active Intervention

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present Value (£k)
Flooding damages		0.0	0	0.0	0	0.0	0.0
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
	No. properties	PV for epoch (£k)	No. properties	PV for epoch (£k)	No. properties	PV for epoch (£k)	
	0	0.0	0	0.0	1	0.3	0.:
Total Damages							0.3
Information							1894

# DAMAGES

Scenario:

Preferred Policy

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present Value (£k)
Flooding damages	0	0.0	0	0.0	0	0.0	0.0
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
	No. properties	PV for epoch (£k)	200	PV for epoch (£k)		PV for epoch	
	0	0.0	0	0.0	0	0.0	0.0
Total Damages							0.0
Information	Car park & road losse	es not accounte	d for. Erosio	n and flood	risk delaye	d and redu	ced due to MR policy

# Costs

Preferred Policy

Description	PV value (£k)
No works required	
Notes:	
	0.0

# Notes

No works required

Economics	Summary	by 2025	by 2055	by 2105	Total £k PV
	Potential NAI Damages (£k PV)	0.0	0.0	0.3	0.3
	Preferred Plan Damages (£k PV)	0.0	0.0	0.0	0.0
	Benefits of preferred plan (£k PV)	0.0	0.0	0.3	0.3
	Costs of Implementing plan £k PV	0	0	0	0
			Benefit/C	ost ratio of	N/A

Sensitivity Analysis		
Benefit/Cost ratio of preferred plan with costs -20%	Benefit/Cost ratio of preferred plan with costs +20%	Benefit/Cost ratio of preferred plan with costs +60%
N/A	N/A	N/A

Policy development Zone (PDZ)9

Management Area

(MA):

Policy Units (PU):24.1, 24.2, 24.3, 24.4

Location: Lands End to St Ives

DAMAGES

Scenario:

No Active Intervention

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present Value (£k)
Flooding damages	0	0.0	0	0.0	0	0.0	0.0
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		,*
	No. properties	PV for epoch (£k)	No. properties	PV for epoch	No. properties	PV for epoch	
	0	0.0	0	0.0		21.5	21.5
Total Damages							21.
Information							

### DAMAGES

Scenario:

### Preferred Policy

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present Value (£k)
Flooding damages	0	0.0	0	0.0	0	0.0	0.0
Present value of erosion	0-20 yrs	_	20 to 50 yrs		50 to 100 yrs		-
	No. properties	PV for epoch (£k)	No. properties	PV for epoch (£k)	No. properties	PV for epoch (£k)	
	0	0.0	0	0.0	0	0.0	0.0
Total Damages							0.0
Information	Car park & road losse	es not accounte	d for. Erosio	n and flood	risk delaye	d and redu	ced due to MR policy

### Costs

Preferred Policy

Description	PV value (£k)
Hold the line of the sea walls at Sennen	
Notes: Breakwater maintenance costs not included	
	185.5

### Notes

Relatively high costs of maintaining the sea walls at Sennen and the low erosion and flood damage (road and wave action flood risk excluded from losses) means artificially low B/C ratio is shown. Wider economic analysis required to review benefits; wave dominated flood risk, tourism, heritage, parking revenue, lifeboat access, etc.

Economics	Summary	by 2025	by 2055	by 2105	Total £k PV
Property	Potential NAI Damages (£k PV)	0.0	0.0	21.5	21.5
	Preferred Plan Damages (£k PV)	0.0	0.0	0.0	0.0
	Benefits of preferred plan (£k PV)	0.0	0.0	21.5	21.5
	Costs of Implementing plan £k PV	94	47	44	185
			Benefit/C	Cost ratio of I plan	0.12

Sensitivity Analysis		
AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	Benefit/Cost ratio of preferred plan with costs +20%	Benefit/Cost ratio of preferred plan with costs +60%
0.15	0.10	0.07

Policy development Zone (PDZ)10

Management Area

(MA): Location: Clodgy Point to Porthminster Point (St Ives)

25 Policy Units (PU):25.1, 25.2, 25.3, 25.4

DAMAGES

Scenario:

No Active Intervention

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present Value (£k)
Flooding damages	8	89.0	29	152.0	62	84.0	324.9
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
	No. properties	PV for epoch (£k)		PV for epoch (£k)	No. properties	PV for epoch (£k)	
	0	0.0	156	7873.7	180	3367.5	11241.3
Total Damages							11566.2
Information							

# DAMAGES

Scenario:

Preferred Policy

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present ) Value (£k)
Flooding damages	s 0	0.0	0	0.0	0	0.0	0.0
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
	No. properties	PV for epoch (£k)		PV for epoch (£k)	No. properties	PV for epoch (£k)	
	0	0.0	0	0.0	0	0.0	0.0
Total Damages	4				2.43		0.0
Information	Car park & road losse MR policy	s not accounter	d for. Erosion	n and flood	risk delayed	and reduc	ed due to

Costs Preferred Policy

Description	PV value	(£k)
Hold the line of defence and raise de	efence in the future	
Notes:		
Notes.		

### Notes

Defence and high value assets provide the robust B/C ratio

Economics	Summary	by 2025	by 2055	by 2105	Total £k PV
(£k PV)	Potential NAI Damages (£k PV)	89.0	8025.7	3451.5	11566.2
	Preferred Plan Damages (£k PV)	0.0	0.0	0.0	0.0
	Benefits of preferred plan (£k PV)	89.0	8025.7	3451.5	11566.2
	Costs of Implementing plan £k PV	456	222	194	871
			Benefit/Co preferred	ost ratio of plan	13.27

Sensitivity Analysis		
preferred plan with	preferred plan with	Benefit/Cost ratio of preferred plan with costs +60%
16.59	11.06	8.3

Policy development Zone (PDZ)10

Management Area

(MA):

Location: Porthminster Point to Hayle Estuary

Policy Units (PU):26.1, 26.2, 26.3

DAMAGES

Scenario:

No Active Intervention

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties		Total Present Value (£k)
Flooding damages	0	0.0	0	0.0	0	0.0	0.0
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
	No. properties	PV for epoch (£k)	No. properties	PV for epoch (£k)	No. properties	PV for epoch (£k)	
	0	0.0	2	157.5	3	64.6	222.1
Total Damages							222.1
Information							

### DAMAGES

Scenario:

Preferred Policy

				PVd 2055		PVd 2105	Total Present
Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	(£k)	No. properties	(£k)	Value (£k)
Flooding damages	0	0.0	0	0.0	0	0.0	0.0
		11					
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
				PV for epoch		PV for epoch	
and the second s	No. properties	PV for epoch (£k)	No. properties	(£k)	No. properties	(£k)	
	0	0.0	2	157.5	3	64.6	222.1
Total Damages	•						222.1
	Car park & road loss	es not accounte	ed for. Erosio	on and flood	l risk delaye	ed and redu	ced due to

### Costs

Preferred Policy

Description	PV value (£k)
No works	-
Notes:	
	0.0

AND THE RESERVE OF THE PARTY OF	

Economics	Summary	by 2025	by 2055	by 2105	Total £k PV
Property	Potential NAI Damages (£k PV)	0.0	157.5	64.6	222.1
	Preferred Plan Damages (£k PV)	0.0	157.5	64.6	222.1
	Benefits of preferred plan (£k PV)	0.0	0.0	0.0	0.0
	Costs of Implementing plan £k PV	0	0	0	0
			Benefit/Co preferred	ost ratio of plan	N/A

Sensitivity Analysis		
Benefit/Cost ratio of preferred plan with costs -20%	Benefit/Cost ratio of preferred plan with costs +20%	Benefit/Cost ratio of preferred plan with costs +60%
N/A	N/A	N/A

Policy development Zone (PDZ)10

Management Area

(MA):

27

Location: Hayle Estuary

Policy Units (PU):27.1, 27.2, 27.3, 27.4, 27.5

### DAMAGES

Scenario:

No Active Intervention

Present value of flooding	No. properties		PVd 2025 (£k)		PVd 2055 (£k)	No. properties	PVd 2105	Total Present Value (£k)
The state of the s							(LK)	The state of the s
Flooding damages		295	1918.3	420	1526.0	646	708.3	4152.7
The second secon								
Present value of erosion	0-20 yrs			20 to 50 yrs		50 to 100 yrs		
					PV for epoch		PV for epoch	
	No. properties		PV for epoch (£k)			No. properties		
		9	937.4	4	256.8	5	62.0	1256.2
Total Damages								5408.9
Information								

# DAMAGES

Scenario:

Preferred Policy

Present value of flooding		No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present Value (£k)
	Flooding damages	0	0.0	0	0.0	0	0.0	0.0
Present value of erosion		0-20 yrs		20 to 50 yrs		50 to 100 yrs		
		No. properties	PV for epoch (£k)	No. properties	PV for epoch (£k)	No. properties	PV for epoch (£k)	
		0	0.0	0	0.0	0	0.0	0.0
	Total Damages							0.0
Information		Car park & road loss	es not accounte	ed for. Erosio	on and flood	l risk delaye	ed and redu	ced due to

### Costs

Preferred Policy

Description	PV value (£k)
Hold the line of defence and raise defence in the future + MR at certain locations within Hayle estuary	
Notes: High costs throughout the estuary due to large numbers and length of assets	5987.2

# Notes

Marginal B/C ratio due to long lengths of frontages that need protection. Future re-development plans may after the overall economics. Road disruption not included, which will increase B/c ratio

Economics	Summary	by 2025	by 2055	by 2105	Total £k PV
Property	Potential NAI Damages (£k PV)	2855.7	1782.8	770.4	5408.9
	Preferred Plan Damages (£k PV)	0.0	0.0	0.0	0.0
	Benefits of preferred plan (£k PV)	2855.7	1782.8	770.4	5408.9
	Costs of Implementing plan £k PV	3260	1638	1089	5987
			Benefit/Co	ost ratio of	0.90

	Benefit/Cost ratio of preferred plan with costs +60%
1.13	0.56

Policy development Zone (PDZ)10

Management Area

(MA):

Location: Black Cliff to Godrevy Point

Policy Units (PU):28.1, 28.2, 28.3

# DAMAGES

Scenario:

No Active Intervention

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present Value (£k)
Flooding damages	C	0.0	0	0.0	0	0.0	0.0
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
	No. properties	PV for epoch (£k)		PV for epoch (£k)		PV for epoch	
	0	0.0	0	0.0	0	0.0	0.0
Total Damages							0.0
Information							

### DAMAGES

Scenario:

Preferred Policy

D			DOM: 1000	PVd 2055		PVd 2105	Total Present
Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	(£k)	No. properties	(£k)	Value (£k)
Flooding damages	0	0.0	0	0.0	0	0.0	0.0
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
				PV for epoch		PV for epoch	
	No. properties	PV for epoch (£k)	No. properties	(£k)	No. properties	(£k)	
	0	0.0	0	0.0	0	0.0	0.0
Total Damages							0.0
	Car park & road loss	es not accounte	ed for. Erosio	on and flood	l risk delaye	ed and redu	ced due to

### Costs

Preferred Policy

Description		PV value (£k)
Minor works required to n	nove to MR of the Gwithian frontag	je
Notes:		
		64.7

### Notes

Although no benefit, small costs required to move to the more sustainable MR policy

Economics	Summary	by 2025	by 2055	by 2105	Total £k PV
Property	Potential NAI Damages (£k PV)	0.0	0.0	0.0	0.0
	Preferred Plan Damages (£k PV)	0.0	0.0	0.0	0.0
	Benefits of preferred plan (£k PV)	0.0	0.0	0.0	0.0
-	Costs of Implementing plan £k PV	35	18	11	65
			Benefit/C	ost ratio of plan	N/A

Sensitivity Analysis		
Benefit/Cost ratio of preferred plan with costs -20%	Benefit/Cost ratio of preferred plan with costs +20%	Benefit/Cost ratio of preferred plan with costs +60%
N/A	N/A	N/A

Policy development Zone (PDZ)11

Management Area

(MA):

Location: Godrevy Point to St Agnes Head

Policy Units (PU):29.1. 29.2, 29.3, 29.4, 29.5

### DAMAGES

Scenario:

No Active Intervention

Present value of flooding	No. properties	PVd 2025 (£k)		PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present Value (£k)
Flooding damages	0	0.0	0	0.0	0	0.0	
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
	No. properties	PV for epoch (£k)	No. properties	PV for epoch (£k)	No. properties	PV for epoch (£k)	
	3	268.1	. 6	264.9	36	628.0	1161.1
Total Damages							1161.1
Information							

### DAMAGES

Scenario:

Preferred Policy

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present Value (£k)
Flooding damages	0	0.0		0.0		0.0	
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
	No. properties	PV for epoch (£k)		PV for epoch (£k)		PV for epoch (£k)	
	0	0.0	3	100.8	6	44.8	145.6
Total Damages							145.6
	Car park & road loss	es not accounte	ed for. Erosio	on and flood	d risk delaye	ed and redu	ced due to

### Costs

Preferred Policy

Troiding Tolicy	
Description	PV value (£k)
Hold the line of defence for first epoch only, then move to MR on beach and HTL/MR at harbour.	
Notes: very high costs associated with the breakwater and	
harbour maintenance	3875.1

### Notes

Below unity B/C ratio is largely due to the high costs of maintaining the breakwater. Likely that alternative funding/justification investigation is required to take account of amenity and heritage/historic status.

Economics	Summary	by 2025	by 2055	by 2105	Total £k PV
Property	Potential NAI Damages (£k PV)	268.1	264.9	628.0	1161.1
	Preferred Plan Damages (£k PV)	0.0	100.8	44.8	145.6
	Benefits of preferred plan (£k PV)	268.1	164.1	583.3	1015.5
	Costs of Implementing plan £k PV	2705	1170	0	3875
			Benefit/C	ost ratio of	0.26

Sensitivity Analysis		
Action and the second s	preferred plan with	Benefit/Cost ratio of preferred plan with costs +60%
0.33	0.22	0.16

Policy development Zone (PDZ)11

Management Area

(MA):

30

Location: St Agnes Head to Pentire Point West

Policy Units (PU):30.1, 30.2, 30.3, 30.4, 30.5, 30.6

DAMAGES

Scenario:

No Active Intervention

Present value of flooding	No. properties	PVd 2025 (£k)		PVd 2055 (£k)	No. properties	PVd 2105 (Fk)	Total Present Value (£k)
Flooding damages	1	2.8				279.5	350.6
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
	No. properties	PV for epoch (£k)		PV for epoch (£k)		PV for epoch (£k)	
	4	241.5		0.0	19	266.4	507.9
Total Damages							858.5
Information							

DAMAGES

Scenario:

Preferred Policy

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present Value (£k)
Flooding damages	0	0.0	1	1.0	18	11.5	12.6
Present value of erosion	0-20 yrs	Ti .	20 to 50 yrs		50 to 100 yrs		
	No. properties	PV for epoch (£k)		PV for epoch (£k)	No. properties	PV for epoch (£k)	
	0	0.0	0	0.0	5	66.6	66.6
Total Damages							79.2
	Car park & road losse	es not accounte	ed for. Erosi	on and flood	f risk delaye	ed and redu	ced due to

Costs

Preferred Policy		
Description		PV value (£k)
Works at Trevaunance cove & Pe length of hard defences	rranporth relating to short	
Notes:		183.3

Notes

Although robust B/C ratio, only cost have been allowed for MR as process largely likely to be simply managed. Impact of wave dominated flood events requires further investigation

Economics	Summary	by 2025	by 2055	by 2105	Total £k PV
Property Potential NAI Damage (£k PV)		244.3	68.3	545.9	858.5
	Preferred Plan Damages (£k PV)	0.0	1.0	78.1	79.2
	Benefits of preferred plan (£k PV)	244.3	67.3	467.7	779.3
	Costs of Implementing plan £k PV	169	9	6	183
			Benefit/C	ost ratio of	4.25

Sensitivity Analysis		
	preferred plan with	Benefit/Cost ratio of preferred plan with costs +60%
5.31	3.54	2.66

Policy development Zone (PDZ)12

Management Area

(MA):

Location: Fistral & Crantock

Policy Units (PU):31.1, 31.2, 31.3, 31.4, 31.5, 31.6

DAMAGES

Scenario:

No Active Intervention

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055	No. properties	PVd 2105	Total Present Value (£k)
Flooding damages		45.2		29.1	8	8.9	
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
	No. properties	PV for epoch (£k)		PV for epoch (£k)	No. properties	PV for epoch (£k)	
		4.3	0	0.0	3	0.3	4.7
Total Damages							87.9
Information				_			

### DAMAGES

Scenario:

Preferred Policy

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present Value (£k)
Flooding damages	0	0.0	2	11.3	3	3.3	14.6
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
	No. properties	PV for epoch (£k)		PV for epoch (£k)	No. properties	PV for epoch (£k)	
	0	0.0	2	1.0	0	0.0	1.0
Total Damages							15.6
	Car park & road losse MR policy	es not accounte	ed for. Erosio	on and flood	l risk delaye	ed and redu	iced due to

### Costs

Preferred Policy

Description	PV value (£k)
HTL North Fistral for Epoch 1(2) then moving to MR	
Notes:	
	367.3

### Notes

Marginal B/C ratio because of high HTL/MR costs for North Fistral. Potential for private contributions should be investigated.

Economics Summary		by 2025	by 2055	by 2105	Total £k PV
Property	Potential NAI Damages (£k PV)	49.5	29.1	9.3	87.9
	Preferred Plan Damages (£k PV)	0.0	12.3	3.3	15.6
	Benefits of preferred plan (£k PV)	49.5	16.8	6.0	72.3
	Costs of Implementing plan £k PV	279	88	0	367
			Benefit/C	ost ratio of plan	0.20

Sensitivity Analysis		
preferred plan with		Benefit/Cost ratio of preferred plan with costs +60%
0.25	0.16	0.12

Policy development Zone (PDZ)12

Management Area

(MA):

Location: Newquay Bay

Policy Units (PU):32.1, 32.2, 32.3, 32.4

# DAMAGES

Scenario:

No Active Intervention

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties		Total Present Value (£k)
Flooding damages	13	245.0	15	152.1	16	50.1	447.2
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
	No. properties	PV for epoch (£k)	No. properties	PV for epoch (£k)	No. properties	PV for epoch (£k)	
	0	0.0	0	0.0	9	177.2	177.2
Total Damages							624.5
Information							

### DAMAGES

Scenario:

Preferred Policy

Present value of flooding	No. properties	PVd 2025 (£k)	No. properties	PVd 2055 (£k)	No. properties	PVd 2105 (£k)	Total Present Value (£k)
Flooding damage	es 0	0.0		30.4		10.0	- ' '
				Ta.			
Present value of erosion	0-20 yrs		20 to 50 yrs		50 to 100 yrs		
	No. properties	PV for epoch (£k)		PV for epoch (£k)	No. properties	PV for epoch (£k)	
	0	0.0	0	0.0	2	35.4	35.4
Total Damage	es						75.9
Information	Car park & road loss	es not accounte	ed for. Erosi	on and flood	d risk delaye	ed and redu	ced due to

Costs
Preferred Policy

Description	PV value (£k)
HTL at harbour throughout and at Towan & Tolcarne in epoch 2	
Notes: Very high costs for harbour maintenance	
	1817.6

Notes
Marginal B/C ratio is significantly influenced by high cost of harbour If harbour excluded B/C ratio approx 2. Therefore additional justification required for the harbour.

Economics	Summary	by 2025	by 2055	by 2105	Total £k PV
Property	Potential NAI Damages (£k PV)	245.0	152.1	227.4	624.5
	Preferred Plan Damages (£k PV)	0.0	30.4	45.5	75.9
	Benefits of preferred plan (£k PV)	245.0	121.7	181.9	548.6
	Costs of Implementing plan £k PV	1115	490	213	1818
			Benefit/C	ost ratio of	0.30

Sensitivity Analysis		
	preferred plan with	Benefit/Cost ratio of preferred plan with costs +60%
0.38	0.25	0.19