

APPENDIX B - Coastal Risks

Management Area	Communities	A number of houses under risk (against return periods)					Number of key assets under risk (excluding housing)	Number of houses at risk of erosion, and number of houses that are protected (**)	Managed Realignment? (EP1/2)		Lead organisation	Projects
		Total	High (1:30)	Medium (1:200)	Low (1:1000)	Very low (1:1000 + NH)						
19	Pennal Corris	1	1	0	0	0	1	0 (0)	Pennal	No		To be reviewed by 2025
									Corris	No		"
20	Bryncrug Tywyn Aberdyfi	229	154	32	43	0	45	138 (138)	Tywyn	Yes		To be reviewed by 2025
									Aberdyfi	Yes	Cyngor Gwynedd	<b>Aberdyfi Quay Renovation</b> - The £4m scheme will be completed this financial year.
									Tonfannau	Yes		To be reviewed by 2025
									Pennal	Yes		"
21	Llwyngwrlil	0	0	0	0	0	0	0 (0)	Llwyngwrlil	Yes		No action
22	Fairbourne Arthog Friog	481	0	10	429	42	50	No data available	Fairbourne	Yes	NRW/ Cyngor Gwynedd	Multi-agency specific plans continue.
									Arthog	Yes		
									Friog	Yes		
23	Llanelltyd Pen Y Bryn Bontddu Penmaenpool	51	25	1	5	20	12	0 (0)	Llanelltyd	Yes		To be reviewed by 2025
									Pen-Y-Bryn	Yes		"
									Bontddu	Yes		"
									Penmaenpool	No		"

24	Abermaw	524	15	7	302	200	107	0 (0)	Abermaw	Yes	Cyngor Gwynedd	<p><b>North Barmouth Prom</b> - Outline Business Case submitted to WG. Money for a detailed design agreed in principle once an understanding about the funding of the scheme is complete thereafter.</p> <p><b>Viaduct Gardens Barmouth</b> - Detailed design to be completed by the end of next financial year, with a view to commencing work after Summer 2024.</p>
25	Talybont Dyffryn Ardudwy	2	0	1	0	1	10	4 (4)	Talybont	Yes		To be reviewed by 2025
									Dyffryn Ardudwy	No		"
26	Llanbedr Pen-sarn Llandanwg	38	1	9	2	26	22	5 (5)	Llanbedr	Yes	Natural Resources Wales	<b>Llanbedr Area Strategic Plan</b> - NRW takes a strategic look at the area.
									Pen-sarn	Yes		See Above
									Llandanwg	Yes		See Above
27	Penrhyndeudraeth Maentwrog Llandecwyn Talsarnau Harlech	118	2	25	91	0	20	2 (2)	Harlech	No		To be reviewed by 2025
									Talsarnau	Yes		"
									Ynys	Yes		"
									Maentwrog	Yes		"
									Penrhyndeudraeth	No		"
Glan Y Wern	Yes		"									

28	Porthmadog Morfa Bychan Borth y Gest	1797	24	10	1274	489	459	51 (51)	Porthmadog	No	Natural Resources Wales	<b>Porthmadog Strategic Assessment</b> - NRW is working on a project to identify long-term flood risk management solutions for the Porthmadog area, alongside delivering wider environmental, social and economic opportunities. Second CNC modelling has found an increase in the number of houses threatened.
									Morfa Bychan	Yes		See Above
									Borth Y Gest	No	Cyngor Gwynedd	<b>Borth Y Gest</b> - This £325k scheme has been completed with a CNC data challenge introduced at the end of 2022.
29	Criccieth (East)	0	0	0	0	0	2	50 (48)	Criccieth (East)	No	Cyngor Gwynedd	<b>Criccieth Asset Maintenance</b> - Maintenance on coastal assets, mainly the main skins near Dylan's.
30	Afon Wen Criccieth (West)	1	0	0	0	1	0	78 (78)	Afon Wen	Yes		To be reviewed by 2025
									Criccieth (West)	No	Cyngor Gwynedd	<b>Criccieth Outline Business Case</b> - Introduced in 2021 but will likely require further work due to the volume of work on need to extend the scope from the original.

31	Pwllheil Abererch Penrhos Llanbedrog	1456	5	20	1047	384	441	1 (1)	Pwllheli	Yes	Natural Resources Wales	<b>Pwllheli Strategic Assessment</b> - NRW is working on a project to identify long-term flood risk management solutions for the Pwllheli area, alongside delivering wider environmental, social and economic opportunities.
									Abererch	Yes		See Above
									Penrhos	Yes		See Above
									Llanbedrog	No		See Above
32	Abersoch	58	13	3	20	22	22	13 (13)	Machroes	Yes		To be reviewed by 2025
									Abersoch	Yes		"
33	Llanengan	0	0	0	0	0	0	0 (0)	Llanengan	No		No action
34	Botwnnog	0	0	0	0	0	0	0 (0)	Botwnnog	No		No action
35	Uwchmynydd	0	0	0	0	0	0	0 (0)	Uwchmynydd	No		No action
36	Aberdaron	8	0	0	1	7	7	29 (29)	Aberdaron	Yes	Cyngor Gwynedd	<b>Aberdaron</b> - Asset maintenance completed over the three years to 2023.
37	Ynys Enlli	0	0	0	0	0	0	0 (0)	Ynys Enlli	No		No action
38	Tudweiliog	0	0	0	0	0	1	2 (2)	Tudweiliog	No		To be reviewed by 2025

39	Porthdinllaen Nefyn Morfa Nefyn	24	12	4	5	3	9	31 (8)	Porthdinllaen	Yes	Cyngor Gwynedd / YG	<b>Porthdinllaen Resilience Scheme</b> - A £300k joint scheme with the National Trust completed in 2022.
									Nefyn	No		To be reviewed by 2025
									Morfa Nefyn	Yes		"
40	Aberdesach Trefor	5	0	0	0	5	1	15 (11)	Aberdesach	Yes		To be reviewed by 2025
									Trefor	Yes		"
41	Dinas Dinlle Pontllyfni	61	10	26	3	22	34	0 (0)	Dinas Dinlle	Yes	Natural Resources Wales	<b>City of Dinlle Strategic Plan</b> - NRW takes a strategic look at the area.
									Pontllyfni	No		See Above
43	Caernarfon Y Felinheli Saron Llanfaglan	303	51	51	26	175	152	89 (89)	Caernarfon	No		To be reviewed by 2025
									Y Felinheli	No	Cyngor Gwynedd	<b>Felinheli Flood Prevention Scheme</b> - This £850k scheme has been completed since 2021, the results of this scheme have presented it as a challenge to NRW mapping information.
									Saron	No		To be reviewed by 2025
									Llanfaglan	Yes		"
46	Tal Y Bont Abergwyngregyn	2	0	0	0	2	0	0 (0)	Tal-Y-Bont	No		To be reviewed by 2025
									Abergwyngregyn	No		"

**Outline of table** contents.

**Column 1;**

**Managerial Area**

See outline for Column 10 below.

**Column 2;**

**Communities**

Our communities are within each managerial area.

**Column 3,4,5,6,7;**

**A number of houses at risk**

This core information is from Natural Resources Wales maps which creates an area/layer on a map to reflect the areas that have a possibility of being flooded by an event with gravity and ferocity we can expect once every 30 years, 200 years and above.

**Column 8;**

**A number of key assets under risk (housing excluded)**

Very similar to the columns above but this time including assets other than housing, for example leisure centres, GP surgeries, schools etc.

**Column 9;**

**A number of houses threatened with erosion**

This information is derived from theoretical NRW knowledge which allows us to assess the number of houses within an area threatened by coastal erosion. The number within the brackets is houses that benefit from structure protection.

**Column 10;**  
**Managerial Reconstruction**

Managed Realignment (Managed Realignment) is one of the policies within the Shoreline Management Plan 2. This is a policy document adopted by the Council in 2014. The Shoreline Management Plan sets the direction of strategic policy for coastal management and identifies the most sustainable methods of managing the risks. It divides our coastline into **Managerial Areas (which is the basis of Pillar 1)**.

There are four policy options available for Shoreline Management Plans:

- *Holding the line*: ambition to build or maintain artificial defences so that the shoreline is maintained. This may include maintaining or changing the standard of defence.
- *Advancing the line*: by constructing new defences on the side of the original sea-facing defences. This is not commonly used, and is limited to policy units where the restoration of a significant area of land is considered. No policy units in Wales have been given the option to advance the line.
- *Managed realignment*: by allowing the shoreline to move back and forth naturally, but controlling the process in order to direct it in specific places.
- *No active intervention*: when there is no plan to invest in defences or coastal operations.

Outlining these areas is important for us in Gwynedd to consider what impact a managerial reconstruction can have on more rural areas that are perhaps less populated but key to the resilience of our County because of historical value, infrastructure, tourism, agriculture etc.

The information presented indicates if an area contains a managerial reconstruction in the medium term.

**Column 11;**  
**Lead Organisation**

Self-explanatory.

**Column 12;**  
**Projects**

A summary of recent and upcoming projects to reduce flood and erosion risks.