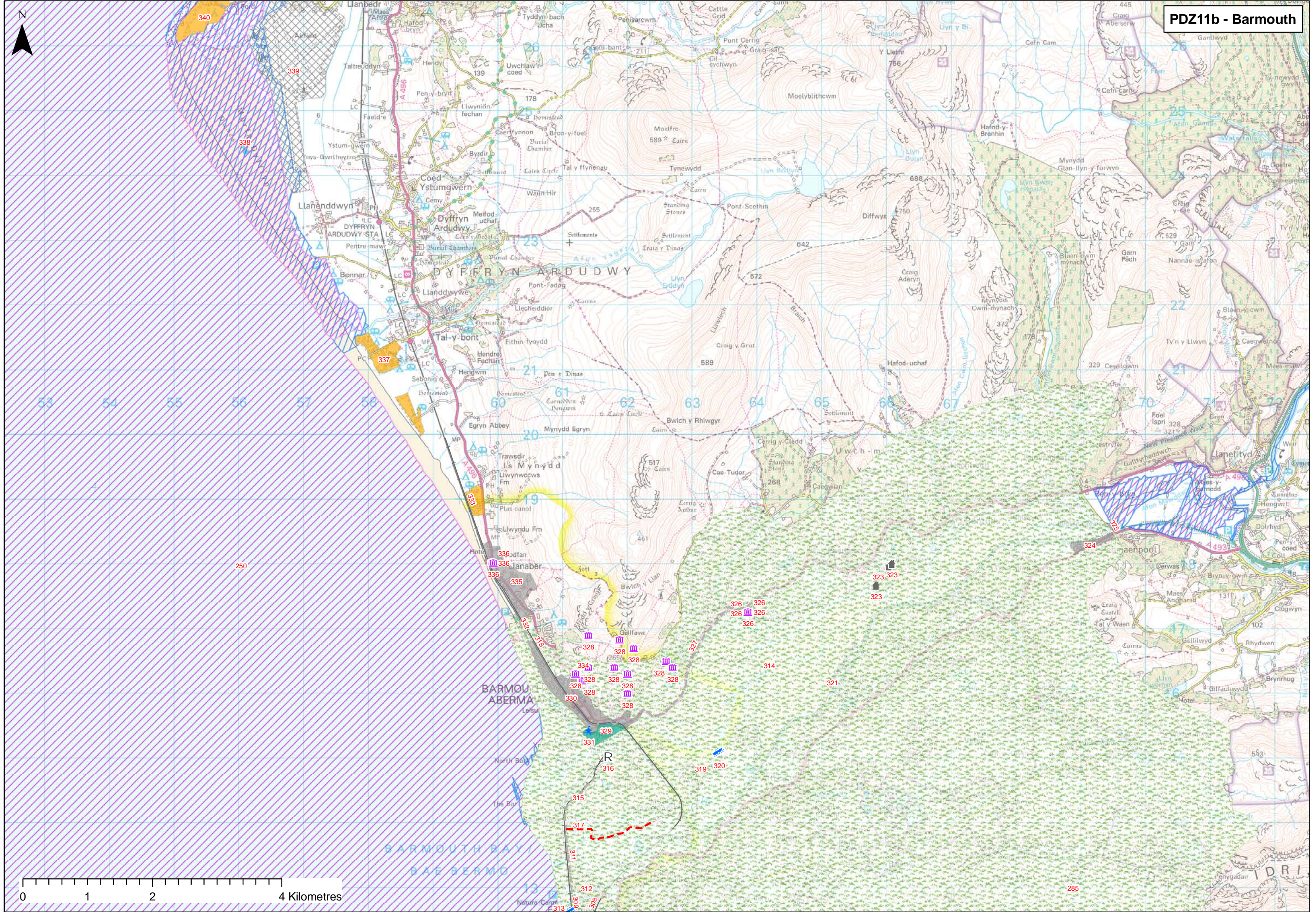


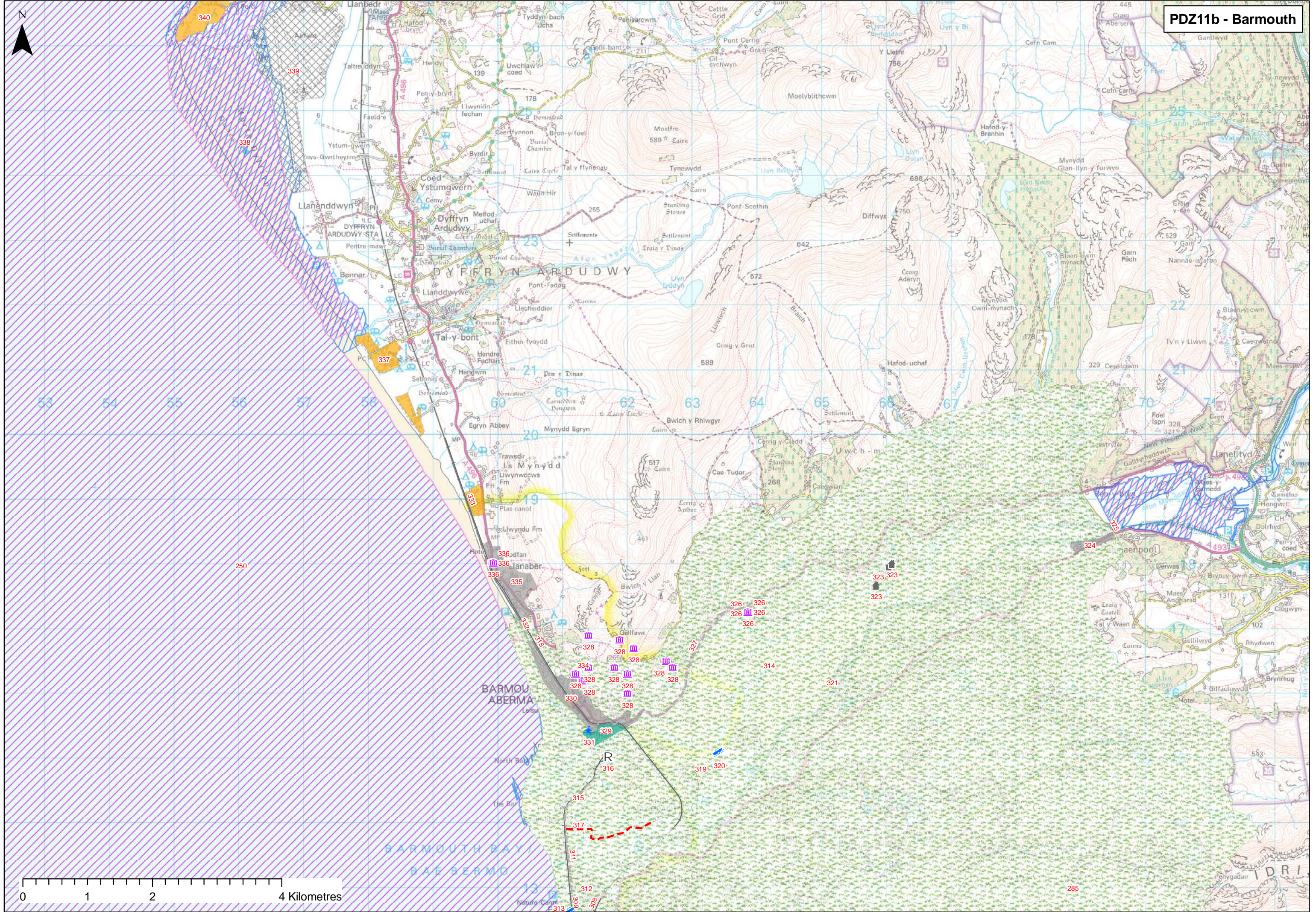
PDZ11b Barmouth - Ton-fanau to Traeth Dyffryn (North of Afon Ysgethin)

ID		Location	Type	Feature	Issue associated with feature	FCD Issue	Affect Policy	Benefits/Why is issue important	Scale	Issue Type/ Theme	Who are the beneficiaries	Is Tis there enough of this benefit	Potential for substitution	Objectives
308	F179	Gwastaddgoed	Railway	Railwayline	Very close to edge of eroding high cliffs, at risk of being lost due to cliff erosion and shoreline regression	Yes	Yes	National transport links	National	HA	National Community	No	No	Prevent loss of railway line
309	F180	Ro Wen	Railway	Railway line and frontage	This section of shoreline is in clear conflict with the marine dynamics with a narrow intertidal zone and clear difficulty in maintaining the coastal works supporting the railway. There is a need to raise the beach in this area if exposure of the coastal works is to be reduced. A progressive raising and widening of the intertidal zone could be considered as an alternative to ongoing strengthening of existing works	Yes	Yes	Railway line	Regional	HA	Regional Community	No	No	Prevent loss of railway line
311	F181	Fairbourne	Coastal Road	Coastal road	Located close to the shingle beach, low lying land, at risk of erosion	Yes	Yes	Access to Fairbourne along the coastline	Regional	HA	Regional Community	No	No	Maintain access
314	F185	Ro Wen	SSSI	SSSI	Risk of loss with coastal recession. Changes to natural coastal processes essential for the integrity of the interest features	Yes	Yes	National nature conservation interest	National	E	National Community	No	No	To maintain or enhance the condition or integrity of the SSSI and interest features within the context of a dynamic coastal system
315	F186	Ro Wen Spit	Issue without Objective		The northern limit of the Ro Wen is now controlled by the estuary requirements and the Barmouth Jetty and railway viaduct. It has exhibited little plan movement over the last 100 years so that nett longshore drift to the north may now be quite weak. There is a sea defence constructed along its length although the cost effectiveness of these works north of the Fairbourne flood defences embankment is now questionable.			It may be that a breach in Ro Wen would affect navigation to Barmouth however, and also reduce Barmouth's protection to storms from the south-west.						
316	F187	Ro Wen	Railway	Penryhn point light railway station	Low lying on the edge of the spit, at risk of loss due to migration of the spit/SLR	Yes	Yes	Tourism	Local	R	Local Community	No	No	Maintain steam railway for visitors
317	F188	Ro Wen	Footpath	Footpath	Follows estuary, alongside mudflats, likely to flood due to SLR or be lost if estuary channel migrates	Yes	Yes	Public right of way	Regional	R	Regional Community	No	Yes	Maintain public right of way
318	F189	Barmouth Bridge	Railway	Viaduct and embankment	embankment cited at the southern end of the causeway, if breached or flooded my put the bridge at risk	Yes	Yes	Rail link and foot bridge	National	HA	National Community	No	Yes	Maintain embankment to sustain use of viaduct
319	F190	Afon Mawddach	Properties	Mawddac crescent properties	Located in a small bay behind rocky outcrops, protected from erosion, however not from SLR	Yes	Yes	Dwellings	Local	HA	Local Community	No	No	Prevent loss of properties due to SLR
320	F191	Afon Mawddach	Slipway and Access	Slipways and quays	Likely to be lost to SLR or if channel migrates	Yes	Yes	Small slipway and quay for residents and recreational use	Local	HA	Local Community	No	Yes	Maintain use of slipway to facilitate beach use
321	H071	Abergwynant Woods	Historic Parks and Gardens	Historic Park and Gardento the south of the Mawddach river.	May suffer loss of land as water levels rise	Yes	Yes	Historic Parks and Gardens	National	H	National Community	No	No	To prevent disturbance to the interest feature and character
322	F192/E029	Afon Mawddach	cSAC, SSSI	cSAC, SSSI	Risk of loss of habitat due to SLR. Changes to natural coastal processes essential for the integrity of the interest features	Yes	Yes	International and national nature conservation interest	International and National	E	International and National Community	No	No	To maintain or enhance the condition or integrity of the international (SAC) and national (SSSI) designated sites and interest features within the context of a dynamic coastal system
323	F193	Afon Mawddach	Properties	Mawddach estuary properties	Many located close to the estuary, risk of loss due to SLR	Yes	Yes	Dwellings, character of area	Local	HA	Local Community	No	No	Prevent loss of properties due to SLR
325	F195	Penmaepool	Coastal Road	Road bridge	Constraining estuary	Yes	Yes	Important for access and may also affect behaviour of the estuary in the future	Local	HA	Local Community	No	Yes	Maintain use of road bridge, monitor the effects it has on the behaviour of the estuary
326	H072	Cutiau	Listed Building	Glandwr Hall Cadw listed buildings	These listed farm houses and buildings are situated on the edge of the saltmarkland of the mawddach estuary. As sea levels rise, there may be flooding or loss of land	Yes	Yes	Listed Buildings	National	H	National Community	No	No	To prevent disturbance or deterioration to the structure and it's setting
327	F196	Barmouth	Coastal Road	Road	Skirts close to the estuary and is low lying, risk of loss/flood in the future due to SLR	Yes	Yes	Main link into Barmouth	Regional	HA	Regional Community	No	Yes	Maintain use of road bridge, moitor effects it has on the behaviour of the estuary
328	H073	Barmouth	Listed Building	Many cadw listed buildings and Glan y Mawddach Historic Park	All located on the edge of the mawddach river, may have future issues and loss of land. An exceptionally interesting formal and woodland Edwardian garden in an outstanding position on the Mawddach estuary. The garden contains unusual secret compartments, each one of a different character, all linked by an intricate network of paths.	Yes	Yes	Listed Buildings	National	H	National Community	No	No	To prevent disturbance or deterioration to the structure and it's setting
329	F197	Barmouth	Harbour / Marina	Barmouth Harbour	At risk of loss due to coastal recession, although held in place by breakwater	Yes	Yes	Heavily used for fishing and recreation	Regional	C	Regional Community	No	No	Prevent loss of harbour due to coastal recession
330	F198	Barmouth	Properties	Town of Barmouth	The breakwater has restricted flows entering the Mawddach and has likely resulted in accretion upstream as a consequence. The groynes are buried beneath the beach between the coastguard station and the Barmouth Breakwater. Along the Breakwater itself the groynes are not very effective and some of the groynes are having a detrimental effect on the local beach regime and should be effectively removed.	Yes	Yes	Protects town of barmouth however is having impacts on nearby towns and harbours along the estuary	Regional	HA	Regional Community	No	No	Maintain function of Barmouth town
331	F200	Barmouth	Lifeboat/ Lifeguard Station	RNLI station	The Barmouth promenade is located too far to seaward at its northern end beyond the coastguard station and the groyne system is ineffective in holding a satisfactory beach against the sea wall.	Yes	Yes	Important as erosion is occurring in front of seawall at present, in the future likely to be exacerbated	Regional	HA	Regional Community	No	Yes	Maintain use of lifeboat station
332	F201	Barmouth	Coastal Road	Promenade, coastal road, car parks	In an opposing position to the marine dynamics here, likely to suffer significant problems with future SLR and coastal recession	Yes	Yes	Character and function of Barmouth town	National	HA	National Community	No	No	Maintain promenade and character of barmouth



PDZ11b Barmouth - Ton-fanau to Traeth Dyffryn (North of Afon Ysgethin)

ID		Location	Type	Feature	Issue associated with feature	FCD Issue	Affect Policy	Benefits/Why is issue important	Scale	Issue Type/ Theme	Who are the beneficiaries	Is Tis there enough of this benefit	Potential for substitution	Objectives
333	F202	Barmouth	Railway	Railway line	North of settlement, railway line is at risk due to erosion, possible to see Barmouth frontage is held in place by hard structures and the coastline has receded back as far as the railway line	Yes	Yes	Main link into Barmouth	National	HA	National Community	No	No	Maintain railway line
334	E030	Barmouth	SAC, SSSI	Meirionnydd Oakwoods and Bat Sites SAC, Barmouth Hillside SSSI	Changes to natural coastal processes essential for the integrity of the interest features (e.g. erosion)	Yes	Yes	International and national nature conservation interest - Geological site which exposes an almost continuous rock section. Woodlands and key features i.e. the Atlantic bryophyte and lichen assemblages	International and National	E	International and National Community	No	No	To maintain or enhance the condition or integrity of the international (SAC) and national (SSSI) designated sites and interest features within the context of a dynamic coastal system
335	F203	Llanaber point	Properties	Residential properties and coastal road	Llanaber point forms a promontory with recessed shoreline either side. With further recession this feature may be at risk of being lost, North of the Point the shoreline is naturally protected by shingle banks but these are overtopped and shingle overflows into the lower hinterland at several locations, sea level rise will have a major impact on this area	Yes	Yes	Dwellings and access road	Local	HA	Local Community	No	No	Prevent loss of properties due to SLR and maintain access
336	H074	Llanaber	Listed Building	Cadw Listed building, Parish Church of St Mary and St Bodfan	Situated seaward of coastal road and in close proximity to the shore, may be lost with SLR and coastal recession	Yes	Yes	Listed Buildings	National	H	National Community	No	No	To prevent disturbance or deterioration to the structure and it's setting
337	F204	Llanaber	Caravan/Holiday Park/Camp Site	Holiday Parks	Located close to the coast, one fronted by a wide sandy beach however future SLR and coastal recession may cause this to be lost, the other, further north is situated seaward of the coastline. To the south there has been erosion and recession of the shingle bank from Llanaber Point to Afon Ysgethin. This area will have major problems with coastal recession in the future	Yes	Yes	Tourism	local	R	Local	No	yes	Maintain function of holiday park
338	F205/E031	Afon ysgethin to morfa dyffryn	SAC, SSSI	Morfa Harlech a Morfa Dyffryn SAC, Morfa Dyffryn SSSI	Changes to natural coastal processes essential for the integrity of the interest features (e.g. erosion)	Yes	Yes	International and national nature conservation interest - Biological (terrestrial and marine inertial) and geomorphological features (sand dunes)	International and National	E	International and National Community	No	No	To maintain or enhance the condition or integrity of the international (SAC) and national (SSSI) designated sites and interest features within the context of a dynamic coastal system
324	F194	Penmaepool	Properties	Properties	At risk of flooding	Yes	Yes	Dwellings, character of area	Local	HA	Local Community	No	No	Prevent loss of properties due to SLR



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