

Barmouth North Parade Initial Environmental Appraisal

Client	Gwynedd Council/Cynulliad Cymru
Project number/name	CPF5439 Barmouth North Parade (National Grid Reference 261220 296300)
Project proposal summary	This project includes various options to protect Barmouth from sea level rise and storm surges. The work is likely to involve a sea defence and drainage improvements.
Project Manager	Owain E Griffiths
Anticipated Construction date	Start Date: 01 th April 2018.
Survey Methodology (if applicable)	These observations are based on an interpretation of available aerial and street imagery. A desk study using Map Gwynedd GIS was completed to identify surrounding designated sites or features within the study area.

Environmental Topic	Observations	Recommendations
Nature Conservation	Otter There are two ordinary watercourses, which could be used by otters, but it is not clear if these are suitable for use by	<u>Further work:</u> N/A

(Protected Species and Habitats)	otters as they are likely to be culverted underneath the road and railway line (see protected sites map in the appendix for the ordinary watercourses location in relation to the works). Otters are a feature of Pen Llyn a'r Sarnau SAC but are more likely to be present in the less disturbed areas to the north and south of Barmouth. Water voles Ordinary watercourses can provide suitable habitat for water voles. Water voles are not likely to be present in culverted watercourses or salt water. Bats Culverts can provide suitable habitat for bats, a site survey would need to be conducted to determine if the culverts are suitable for bats. Nesting birds The sand dune system as well as undisturbed beaches can provide habitat for ground nesting birds. If nesting birds are found on site during the bird-nesting season (March to August inclusive) the environment team can give guidance in relation so safe working zones near nesting birds. There were no trees on site for nesting birds.	<u>Construction:</u> • The removal of materials from river bed will follow the method statement and General Arrangement included with this report. • Construction methods must adhere to <i>GPP5: Works and Maintenance in or near water</i>. • Any tree removal should be completed outside the bird nesting season (bird nesting season 1st April to 31st August). • Contractor should adhere to BS5837 Trees in relation to design demolition and construction. • Extra care should be taken to stop any silt entering the watercourse during the removal of the materials from the river bed.
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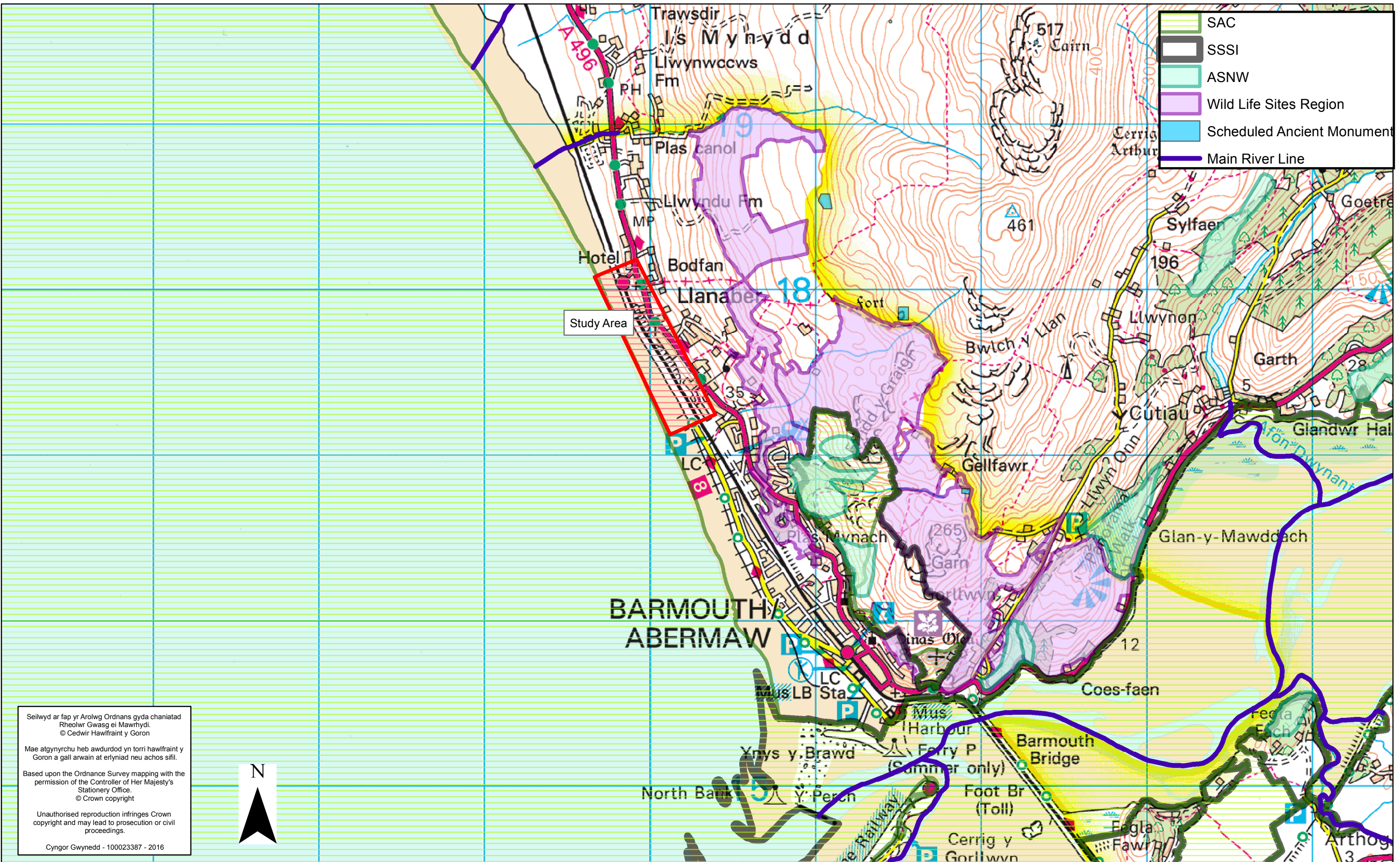
	Protected Habitats Rivers are a Welsh Priority Habitat and River Corridors have a Gwynedd council Biodiversity Habitat Action Plan. The proposals involve works within the channel of the watercourse, which could result in temporary disturbance of this habitat type and potential pollution both within and beyond the boundaries of the site. Sand dune system is also a priority habitat and a Gwynedd Biodiversity Habitat Action Plan. Gwynedd Council's Biodiversity Team can advise in relation to protecting these habitats during any works. Relevant compliance obligations: • The Environment (Wales) Act 2016 • The Wildlife and Countryside Act 1981, as amended • The Conservation of Habitats and Species Regulations 2010, as amended • GPP5 Works and maintenance in or near water	
Designated Sites for Conservation	Pen Llyn a'r Sarnau SAC is approximately 171m south-west from the site. Depending on the nature and scale of the works, a screening for HRA might need to be completed, consult NRW regarding this.	Further work: N/A <u>Construction:</u> • N/A

	A protected areas map and site photographs are available in the Appendix.	
Invasive Non-Native Species	A site walkover should identify if there are invasive species present.	<u>Further work:</u>
	Relevant compliance obligations (if applicable): The Wildlife and Countryside Act 1981, Schedule 9, as amended	<u>Construction:</u>
Water Environment	The works would involve in-channel works within the ordinary watercourses. Obtain an ordinary watercourse consent from Gwynedd Council's FCRM team for any in-water works.	<u>Further work:</u> Send a drawing and method statement to FCRM to identify if an ordinary watercourse consent is necessary.
	Relevant compliance obligations (if applicable): - The Water Resources Act, 1991 - The Flood and Water Management Act 2010 - The Water Environment (Water Framework Directive) (England and Wales) Regulations 2003 - The Water Environment (Water Framework Directive) (England and Wales) (Amendments) Regulations 2015 - GPP5 Works and Maintenance in or near water	<u>Contract requirement:</u> - Contractor must adhere to any requirements of the ordinary watercourse consent. - Contractor must adhere to <i>GPP5: Works and Maintenance in or near water</i>.

Cultural Heritage	There are no listed buildings cultural heritage features within the area of the work.	<u>Further work:</u> None
		<u>Construction:</u> None
Other	No other issues with this work.	<u>Further work:</u> None
	Relevant compliance obligations (if applicable):	<u>Contract requirement:</u> None
Summary of recommendations / further assessment or work	Recommended further survey/assessment work is as follows: <u>Further work:</u> - Depending on the nature and scale of the works, a screening for HRA might need to be completed, consult NRW regarding this. - Consultation with FCRM regarding the need for an ordinary watercourse consent to undertake in-channel works associated with the proposals. Method of construction including a plan showing the access to the site and positioning of the welfare facilities if any should be included. <u>Construction:</u> - The works will follow the method statement and General Arrangement included with this report. - Construction methods must adhere to <i>GPP5: Works and Maintenance in or near water</i>. And any recommendations made with the ordinary water course consent.	

	- Care should be taken as ground nesting birds can be present in the sand dune system and on the beach environment. If the work is completed during the bird nesting season (1st April to 31st August) and birds are found to be nesting near the works area. Safe working zones should be established and bird nest should be fenced off until birds have fledged. <u>Contract Requirements</u> - Contractor must adhere to any requirements of the ordinary watercourse consent. - Contractor must adhere to <i>GPP5: Works and Maintenance in or near water</i>.
Distribution	Owain E Griffiths

Document Author	Bethan Moseley	Approved by	
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Cyngor Gwynedd - 100023387 - 2016

Environmental Appraisal

Barmouth North Parade

Darlunwyd Gan: BM
Drawn By:

Gwiriwyd Gan: BM
Checked By:

Taflen: 1 o 1
Sheet: 1 of 1

Rhif Lluniad: CPF5439
Drawing No: CPF5439

Dyddiad Darlunwyd:
Date Drawn:

Dyddiad Gwiriwyd:
Date Checked:

Graddfeydd: 1:20,180
Scales:

Cywi
Rev

