

Communicating the risk of coastal erosion

John O'Flynn, EA Coastal Engineer



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Groups



Project background and aims

- ➔ Began in 2006 prompted by Making Space for Water and the Welsh Environment Strategy
- ➔ Aims to provide a consistent dataset for coastal practitioners and raise awareness of risk among the public
- ➔ Complements SMPs, the Flood Map and other risk mapping
- ➔ Aims to communicate complex messages in a user-friendly way.

Key NCERM project outputs:

➔ NCERM 'web tool'

➔ Professional Partner Products:

- NCERM GIS database for the SMP area
- SMP Comparison Report
- Summary statistics for the SMP area

➔ Q&A and engagement support

Project activity since 2006

- ➔ 2006-2008: Halcrow data gathering and initial validation with local authorities
- ➔ 2007-2009: Website development
- ➔ 2009-2010: Incorporation of UKCP09 and engagement between EA and local authority officers
- ➔ 2010: delays whilst awaiting Ministerial approval for project continuation
- ➔ 2011: Ministerial approval

Ministerial decisions on NCERM (1):

- ➔ Support for principles of the project
- ➔ Web publication should display 0-20 year erosion projections only
- ➔ Phased web publication – or at least a couple of ‘pilots’ to gauge reactions and learn lessons
- ➔ Web hosting either by local authorities or at least with clear linkage from their websites
- ➔ Support for engagement work but no further Defra funding until timetables are agreed – local authorities and EA staff should agree responsibilities and activity locally.

Ministerial decisions on NCERM (2):

- ➔ Local authorities will decide when – and whether – to agree publication of NCERM information for their coastline on the web.

Where we are now and what it means for you (1):

- ➔ Final data validation, SMP by SMP, local authority by local authority
- ➔ Data validation completed for SMPs 1, 2 (both in NE) and 12 (Beachy Head to Selsey Bill)
- ➔ Web hosting almost finalised, and currently planned to be EA 'What's in Your Backyard' area alongside other maps, due to converge with Directgov

Where we are now and what it means for you (2):

- ➔ EA has regional NCERM leads and Engagement leads around the country
- ➔ National Communications & engagement plan developed
- ➔ They will be working with local authorities to
 - draw up more localised communications & engagement plans
 - ascertain relative capacity for engagement, call handling etc
 - supporting validation and agreeing web publication arrangements, and providing website demonstrations
 - beginning joint engagement with stakeholders

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Enter postcode or place name:

Overview map:

Other topics for this area...

- [» Risk of Flooding from Rivers and Sea](#)
- [» Risk of Flooding from Reservoirs](#)
- [» Coastal Erosion](#)
- [» Flood Warning Areas](#)
- [» Landfill](#)
- [» Pollution](#)
- [» Air Pollution](#)
- [» Rivers](#)
- [» Bathing Water](#)

Map of Lindisfarne, Northumberland at scale 1:750,000

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The coloured lines represent preferred management approaches – or ‘policies’ – that are detailed in your local Shoreline Management Plan. The policy for your stretch of shoreline may be dependent upon available funding and could change – find out more.

Map Legend

Coastal Erosion

Click on the coloured line in front of your stretch of coast to view details

Management policy

- No active intervention
- Hold the line
- Managed realignment
- Advance the line
- Yet to be released

Done Local intranet

Start | 13:36

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Map of X: 413,177;Y: 639,678 at scale 1:40,000

Map Legend

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Interactive Maps

Management policy

Grid reference: X: 412,254.33; Y: 641,339.92

Erosion predictions can change up and down the coast. The information below is for the immediate area surrounding where you clicked. You may see multiple results for adjacent locations where the type of defence, SMP policy or erosion predictions change.

[Find out more](#) about Shoreline Management Plan policies and what they mean.

Page 1 of 1 (1 result for selected location)

116600		View map
Location reference	116600	
Local Authority	Berwick-upon-Tweed District	
Shoreline Management plan	-	
Shoreline Management Plan policy to 2025*	No active intervention	
Type of defence	Natural	
Erosion predicted by 2025*	0.68 - 1.32 metres	
Note	The erosion predictions you see represent the upper and lower limits of the erosion we should reasonably expect to approximately 2025. They do not show the area of land that will definitely be lost, or the annual rate of erosion (which is often unpredictable).	

* Dates are approximate

“We are improving our understanding of coastal erosion using **local knowledge** and the **best available science**, and raising awareness **now**, so that we can all **adapt together** to our **changing coast...**”



Any Questions?



**Coastal
Groups**

