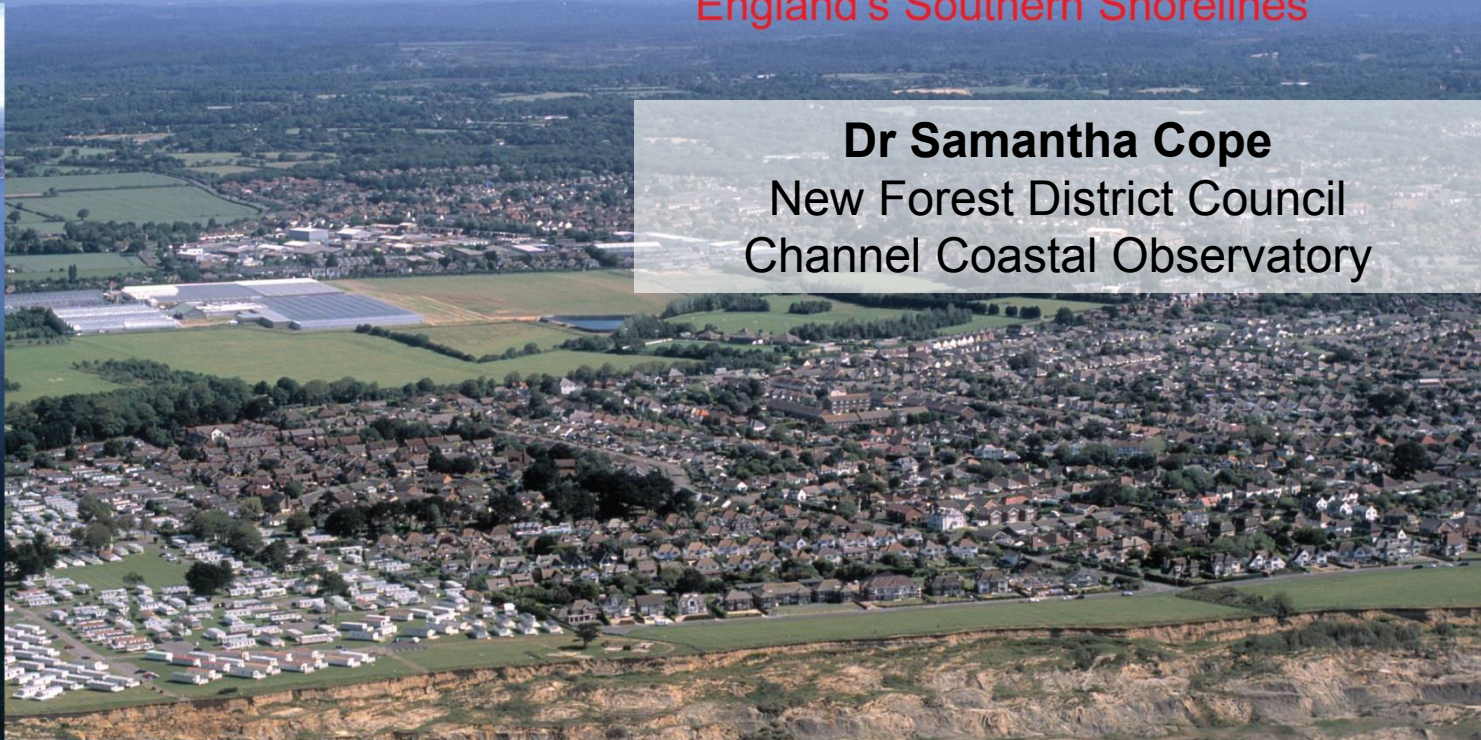


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'Adapting to Coastal Change along  
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**Dr Samantha Cope**  
New Forest District Council  
Channel Coastal Observatory



[www.scopac.org.uk](http://www.scopac.org.uk)



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## NCERM '09 and SMP2 outputs

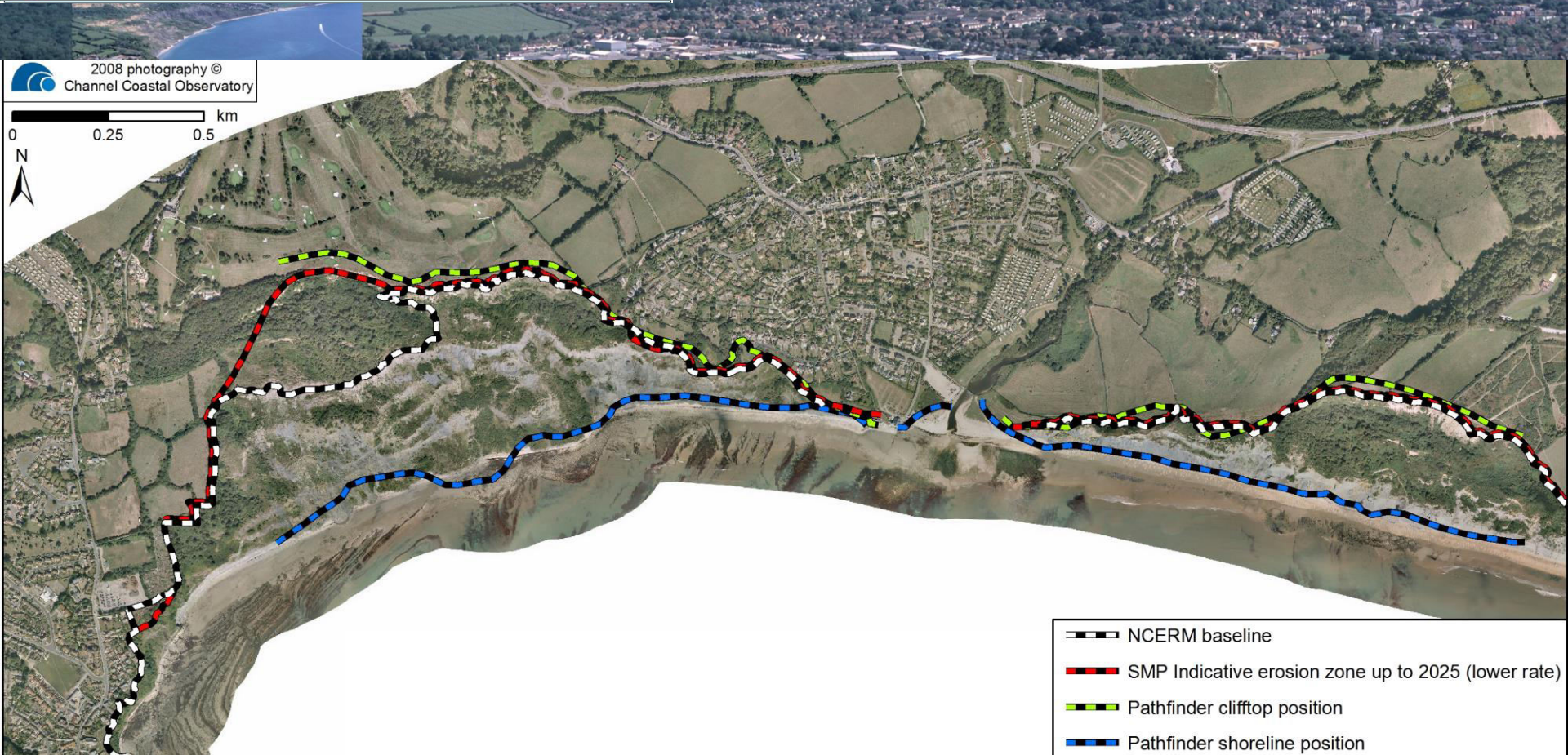
- Critique national and regional assessments of erosion
- Six sites investigated
- Following NCERM examples superseded by 2<sup>nd</sup> round LA validation



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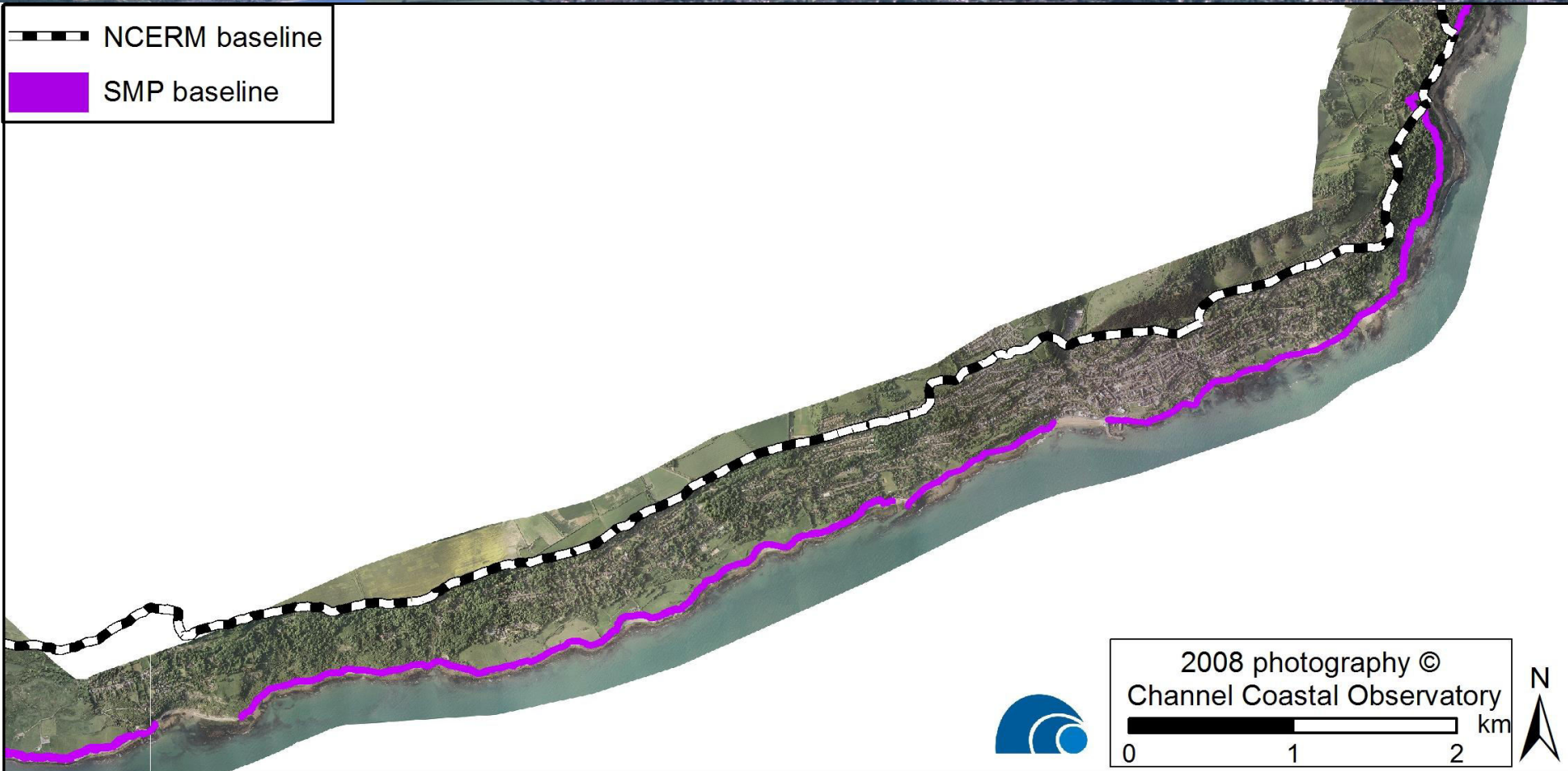
## Baseline differences



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## Baseline differences



# ACCESS

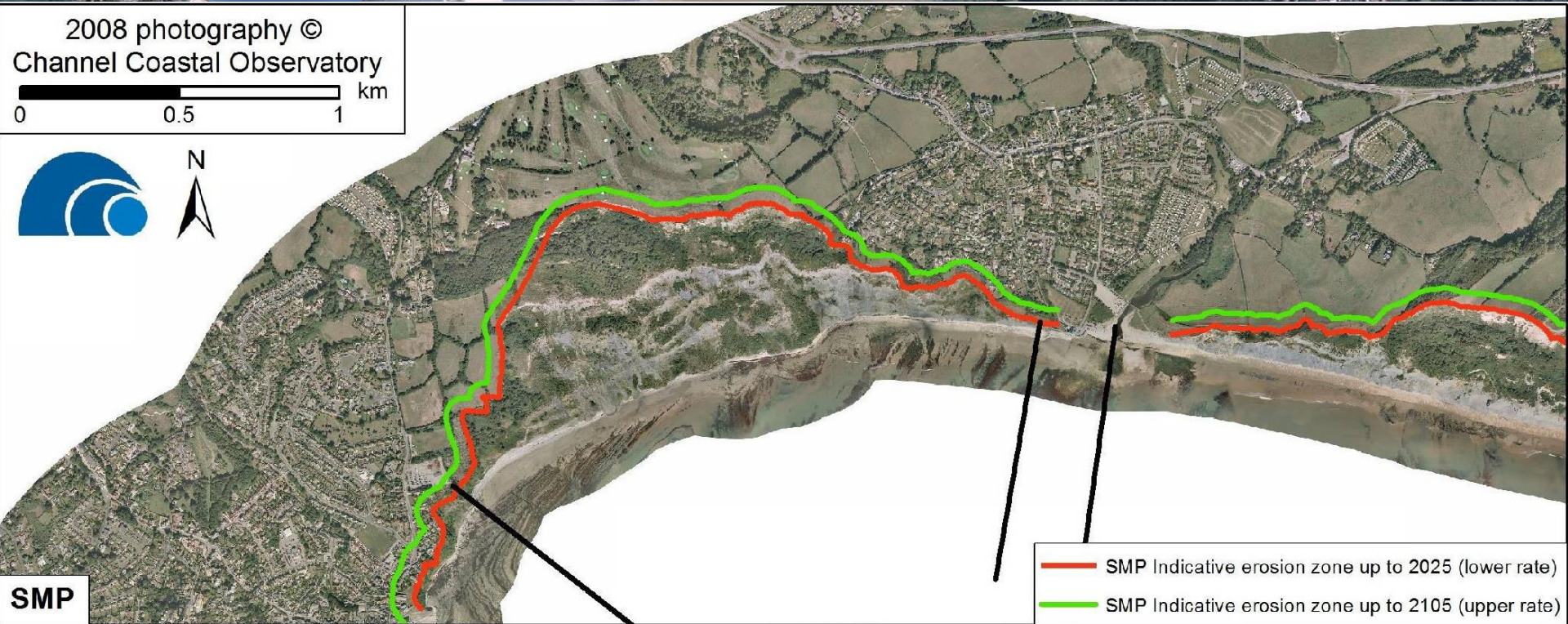
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England's Southern Shorelines'

## Erosion rate differences



2008 photography ©  
Channel Coastal Observatory

0 0.5 1 km



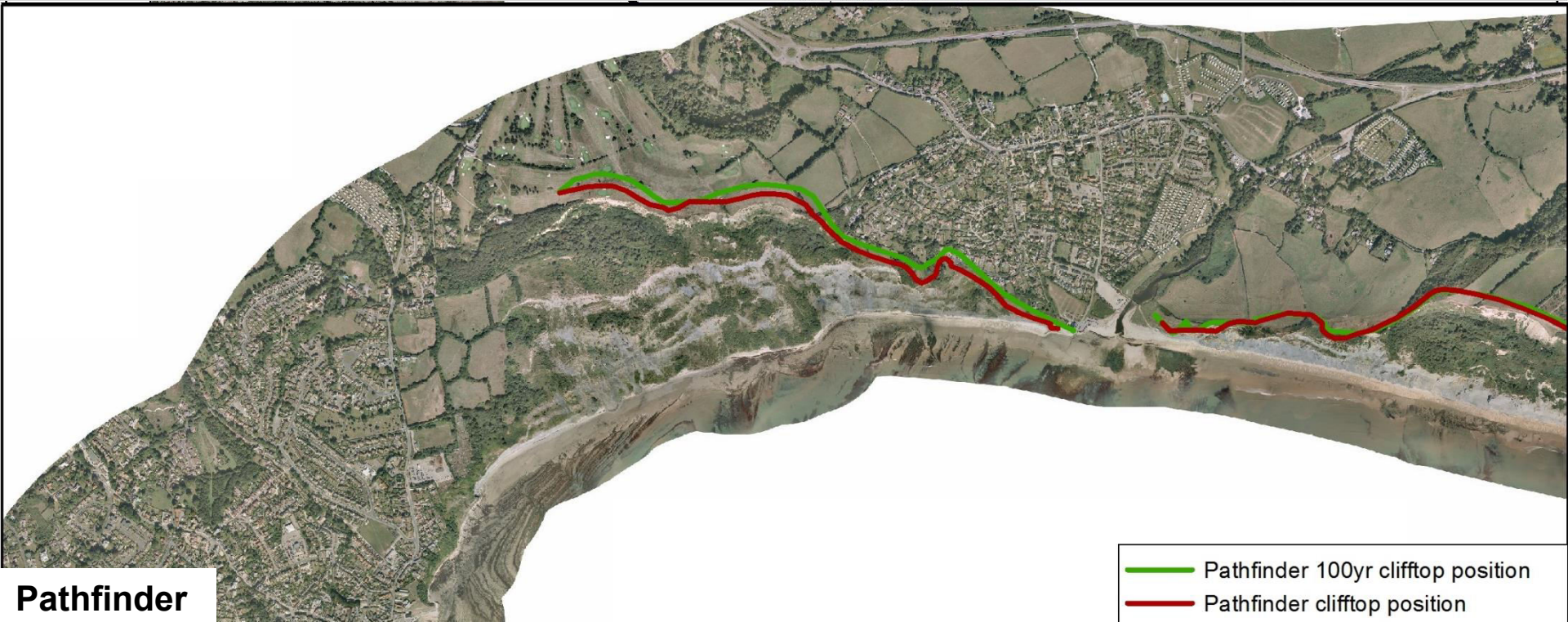
SMP

- SMP Indicative erosion zone up to 2025 (lower rate)
- SMP Indicative erosion zone up to 2105 (upper rate)

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## Erosion rate differences



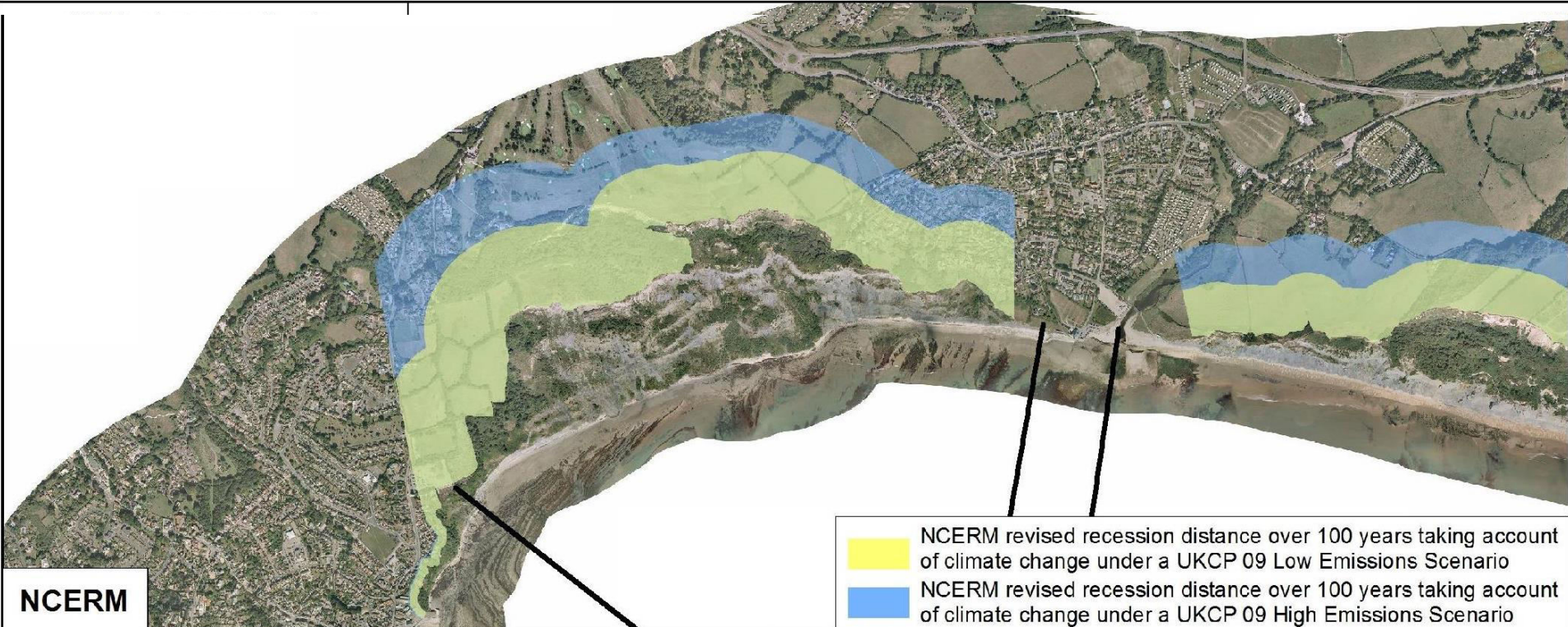
**Pathfinder**

- Pathfinder 100yr clifftop position
- Pathfinder clifftop position

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## Erosion rate differences



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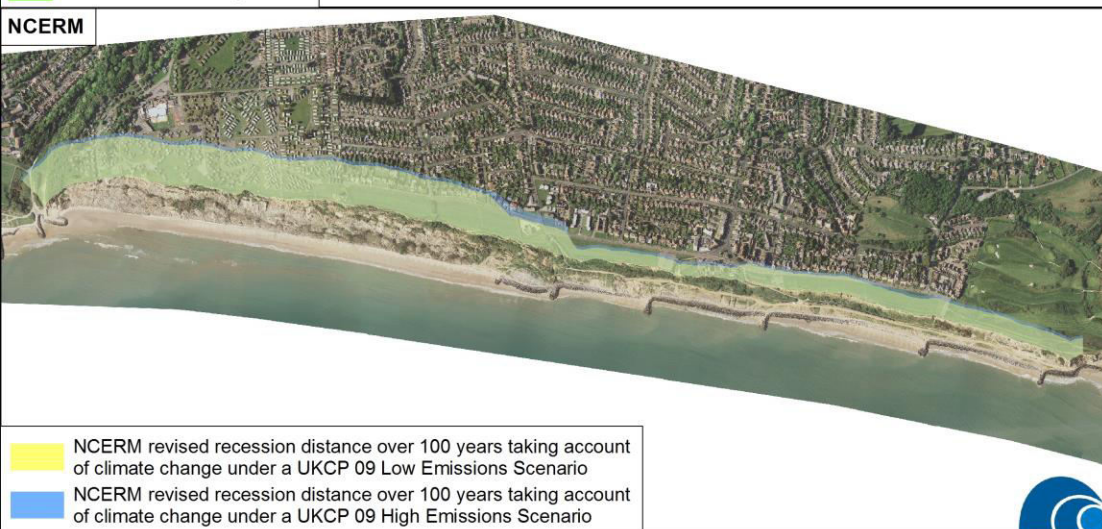
## Erosion rate differences



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## Erosion rate differences



Climate change  
variables (sea level  
rise and rainfall)

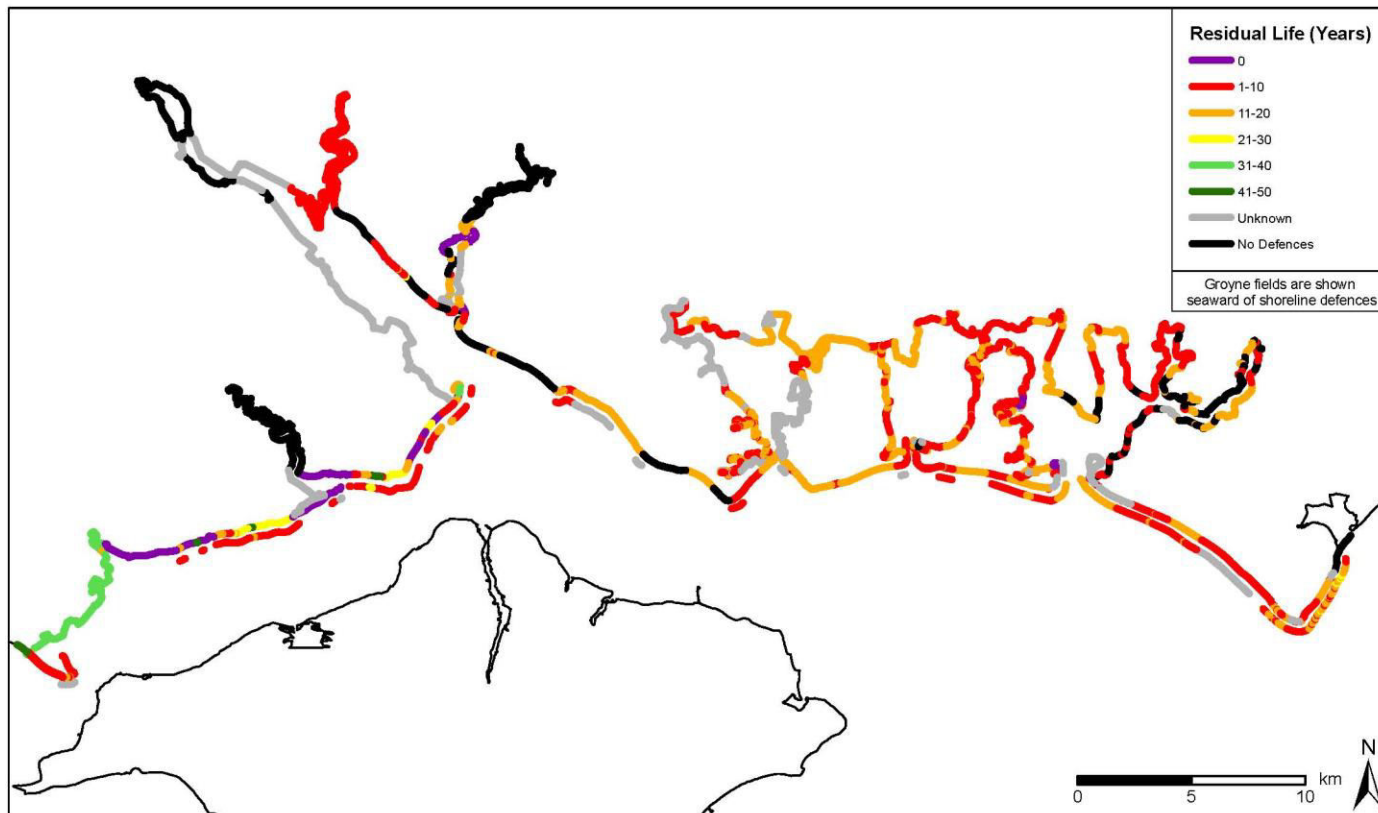
# ACCESS

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## Erosion rate differences

North Solent Shoreline Management Plan

North Solent



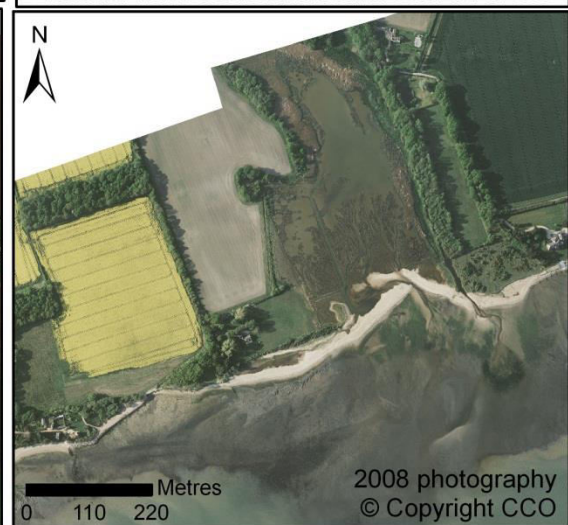
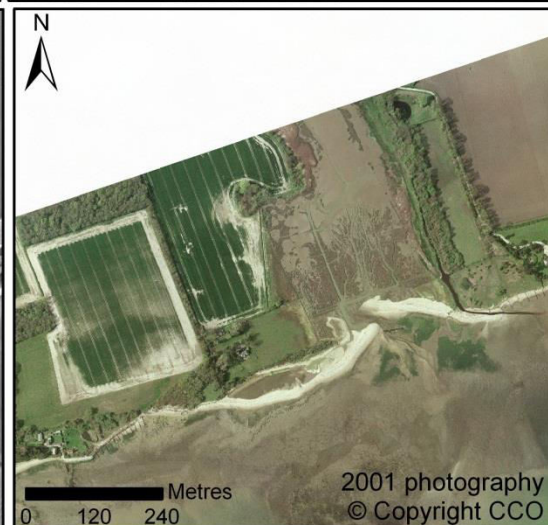
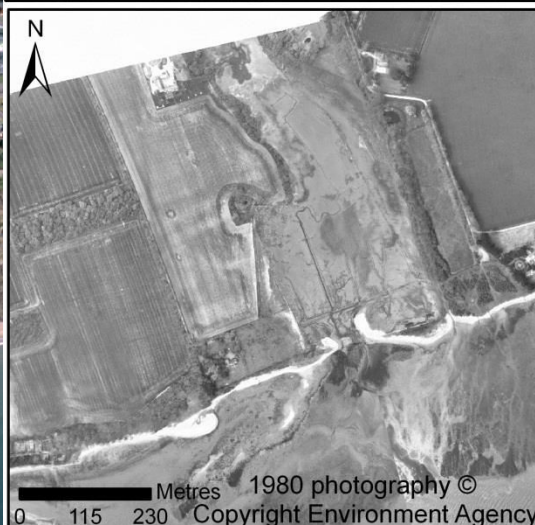
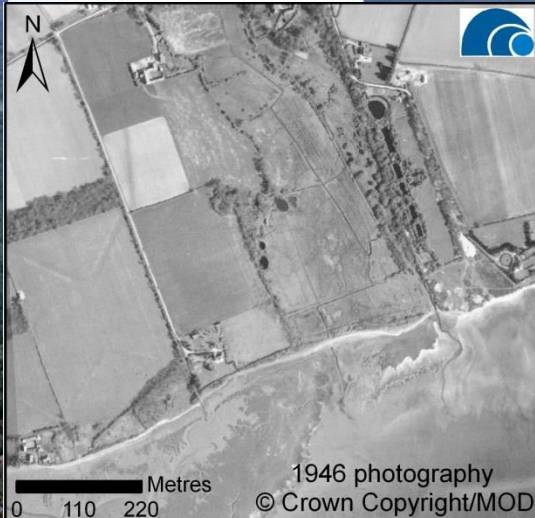
Residual life

**SCOPAC**  
STANDING CONFERENCE  
ON PROBLEMS ASSOCIATED  
WITH THE COASTLINE

**RECOMMENDATION** = centralised defence database

# ACCESS

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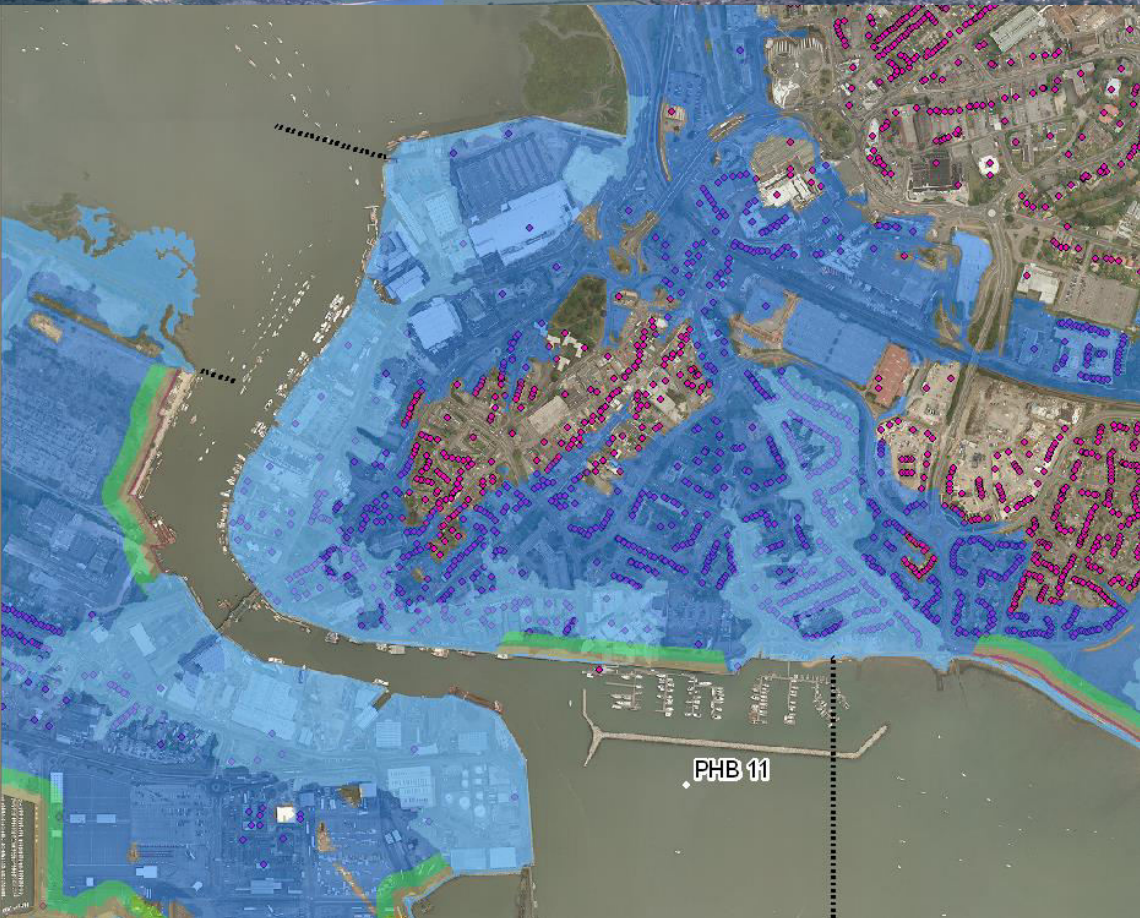


**RECOMMENDATION** = centralised aerial photography database and erosion rates

# ACCESS

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## Determining properties at risk



- Address point data used in SMP2s and ACCESS
- Method counts properties within erosion or floodzones
- Missing some properties if data point at back of property (Lee-on-the Solent = 0 identified in SMP2 but 136 identified in Strategy)
- Address point data misses industrial areas



**RECOMMENDATION** = Freely available national base layer similar to National Receptor Dataset

# ACCESS

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## Valuation of properties at risk

- Defra (2006) SMP2 guidance = broad scale property values
- Strategy Studies use local estate agent valuation

### BARTON-ON-SEA

| SMP number of properties      | SMP property value   |
|-------------------------------|--|
| 324                           | £84 million (average local authority property value £260,165)    |
| Strategy number of properties | Strategy property value  |
| 520                           | £185 million (average property value for Barton-on-Sea £685,000) |



**RECOMMENDATION** = Clarification of asset and valuation procedures to close the gap