

# Medway Estuary and Swale Flood and Coastal Risk Strategy



Presentation to Kent  
County Council  
13 November 2017

# Meeting Aims

- To provide an understanding of what the Medway Estuary and Swale Strategy is
- Explain progress of the Strategy, and the next steps
- Present the preferred options and describe the public consultation process
- Answer any questions about the Strategy and preferred options you might have

# The MEASS area



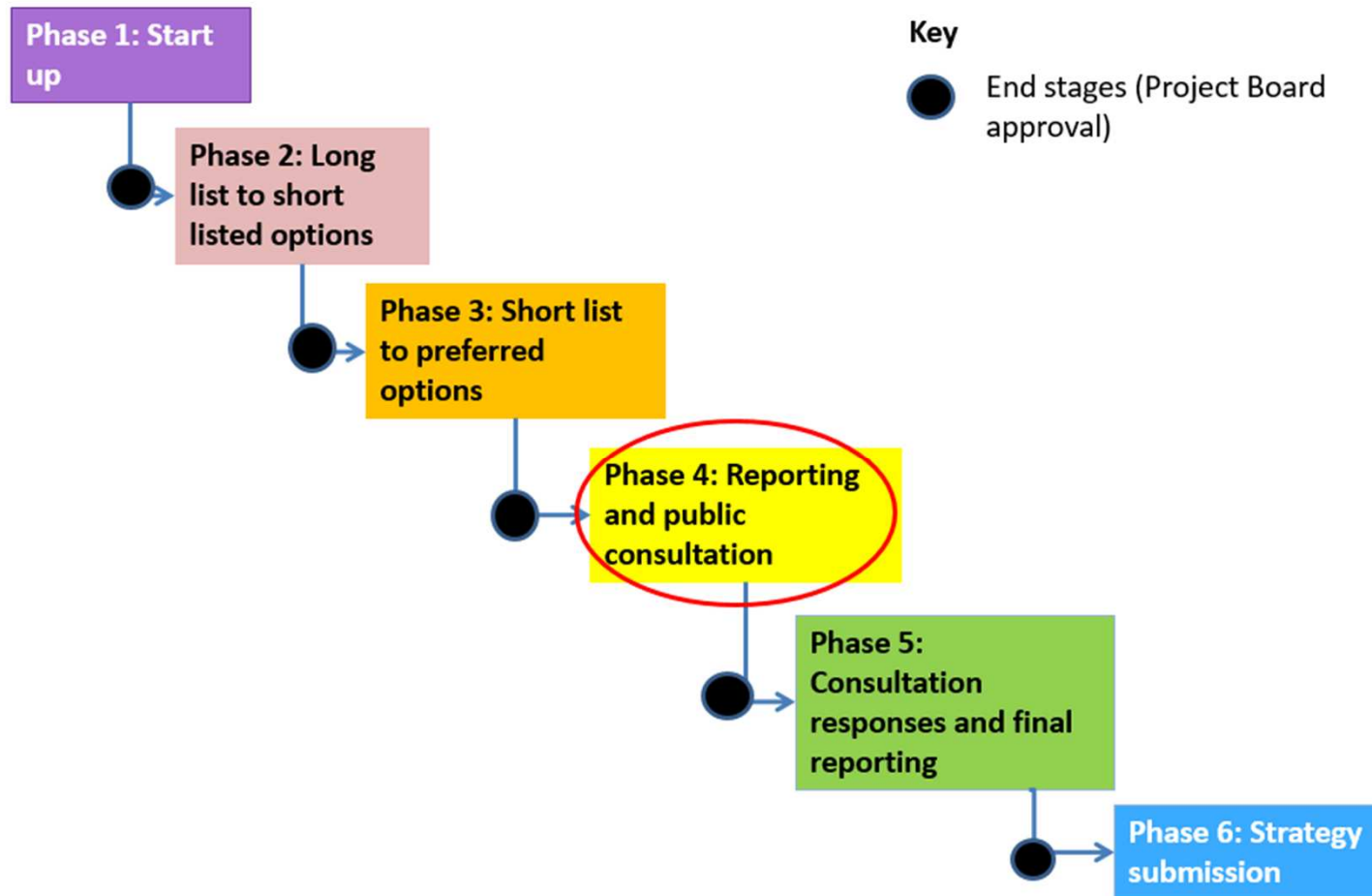
**\* The frontage outlined in purple are the areas that have been reviewed as part of MEASS**

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# Tiers of Coastal Defence Planning



# Strategy Phases



# Developing the preferred options

## Criteria:

- reduce the threat to people and their property
- deliver the greatest environmental, social and economic benefit
- work with natural processes
- adapt to future risk and changes (e.g. climate change)
- sustainability



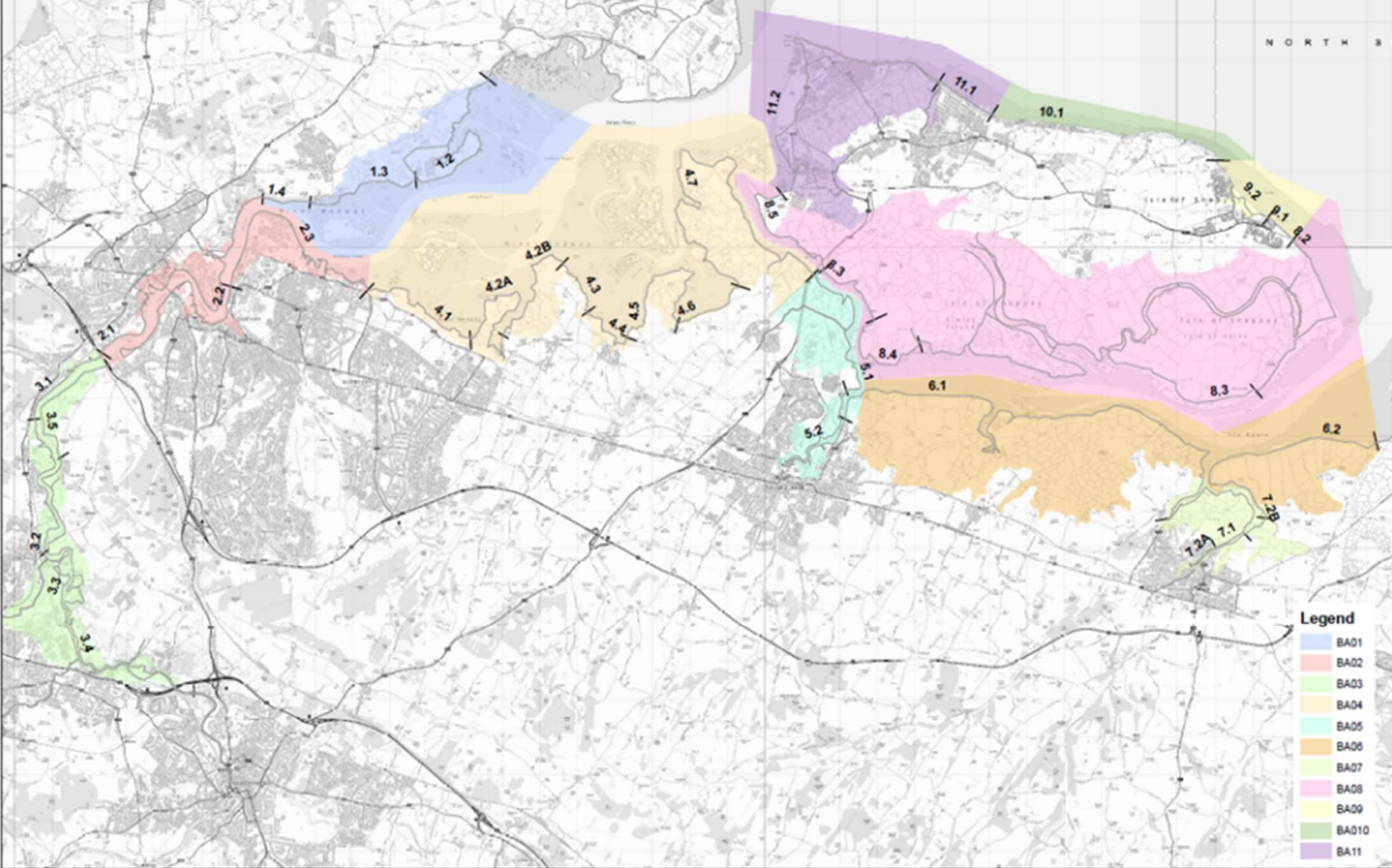
# Stages of Option Development

- Task 1: Define long list of options
- Task 2: Screen long list to create short list of options
- Task 3: Evaluate the short list
- Task 4: Select the preferred option

Map of the Strategy area divided into the individual Benefit Areas



NORTH



- Legend**
- BA01
  - BA02
  - BA03
  - BA04
  - BA05
  - BA06
  - BA07
  - BA08
  - BA09
  - BA10
  - BA11



# Preferred options

- **Hold the line** – maintaining or improving existing defences in their current position
- **No active intervention** – ceasing maintenance of defences and allowing natural processes to take place
- **Managed realignment** – creating set back defences inland of their current position

# Current project tasks

## Stakeholder Engagement

- SEG
- Landowners
- Public
- Statutory (on SEA and HRA)
- Stakeholder Report summarising results (Project Board Sign Off at end of Phase 4)

## SEA and HRA

- Reporting
- WFD by EA team
- Internal Team Review
- Statutory Stakeholder Review

## Draft Appraisal Reporting

- Options technical report
- Economic report
- Final ASTs
- StAR
- Implementation Plan
- Other Strategy Appendices

# Public Consultation

- Now live until 5 February 2018
- Maps and documents available to review online
- Public drop in sessions:
  - 30 November – Eastchurch Village Hall. 3 – 7pm
  - 6 December – Riverside Country Park, Gillingham. 3 – 7pm
  - 12 December – Halling Community Centre. 3:30 – 7:30pm

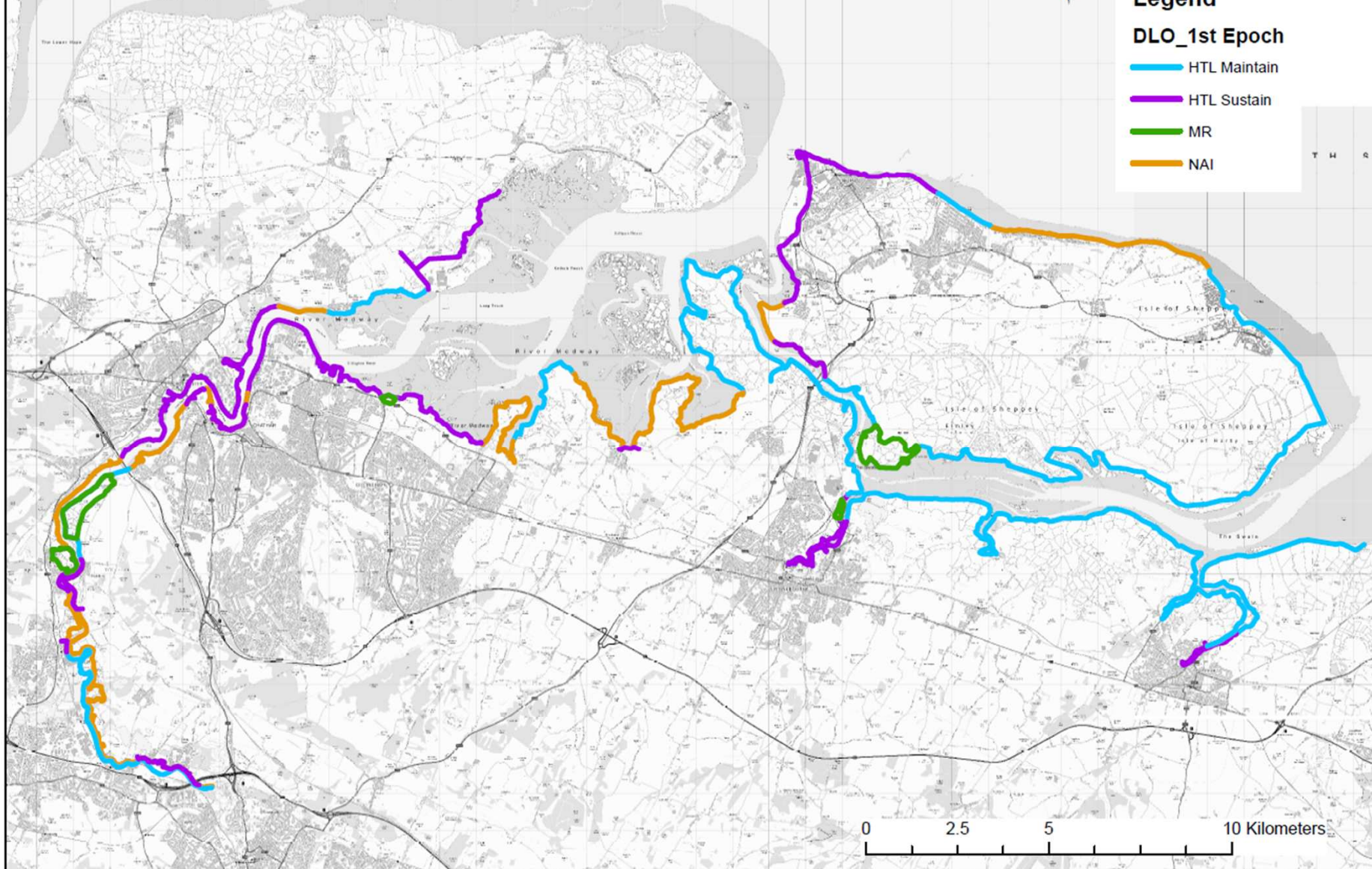
# MEASS Draft Leading Options - First Epoch



**Legend**

**DLO\_1st Epoch**

- HTL Maintain (Blue line)
- HTL Sustain (Purple line)
- MR (Green line)
- NAI (Orange line)





# Thank you

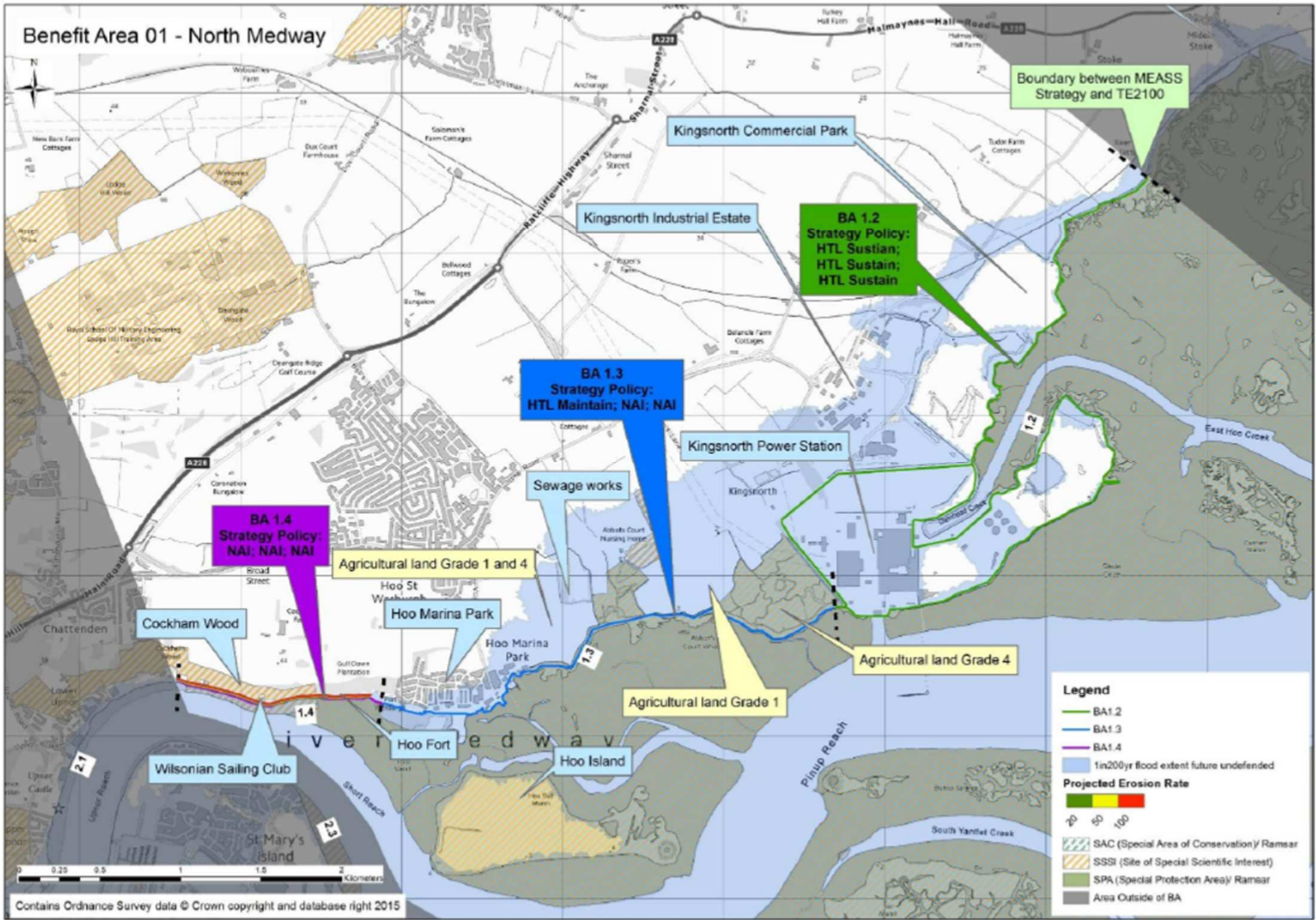
Further questions or comments, please don't hesitate to contact  
Jon Byne

Email [MEASS@environment-agency.gov.uk](mailto:MEASS@environment-agency.gov.uk)

Phone 03708 506 506

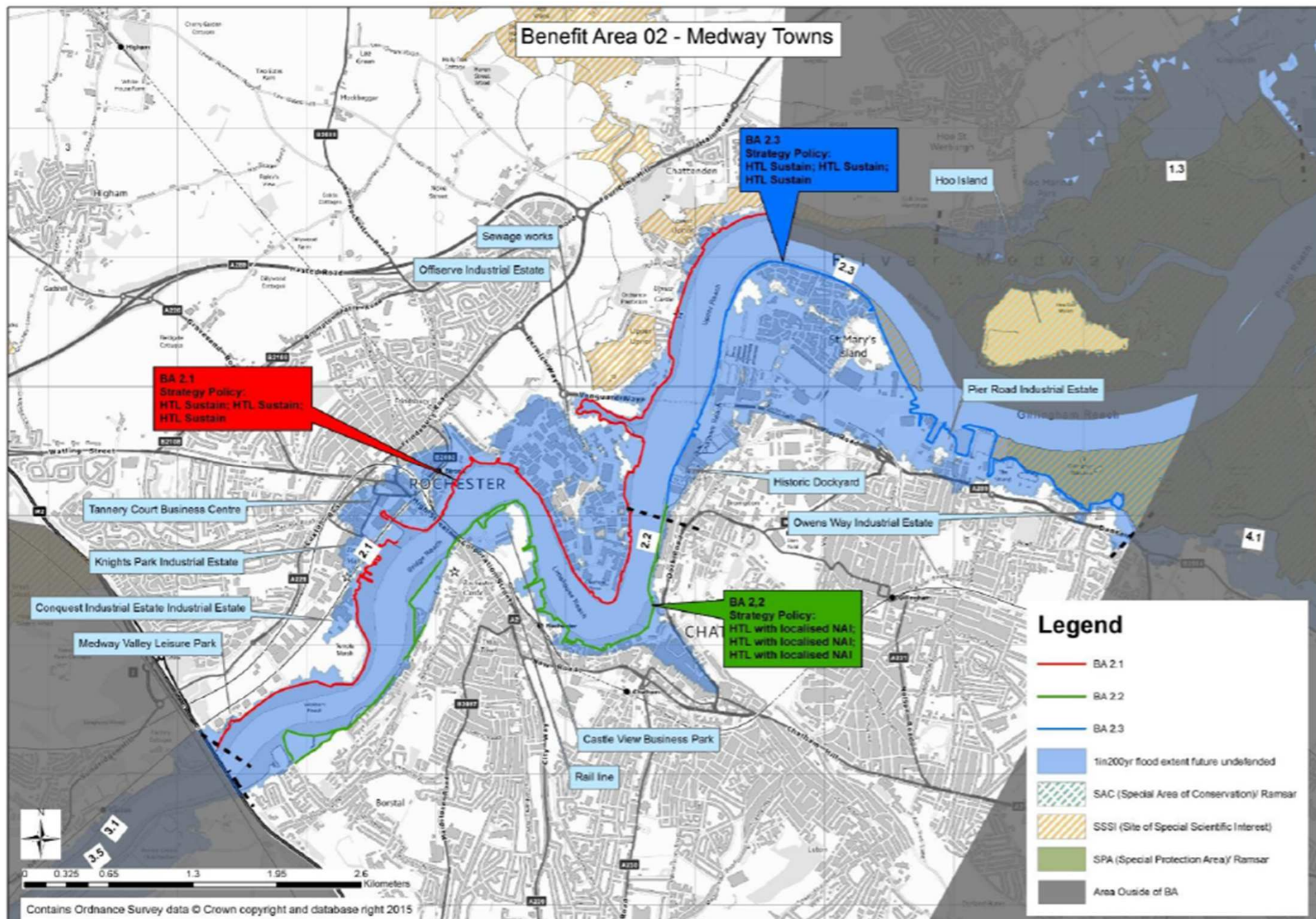


# Benefit Area 01 - North Medway





# Benefit Area 02 - Medway Towns



**BA 2.1**  
Strategy Policy:  
HTL Sustain; HTL Sustain;  
HTL Sustain

**BA 2.3**  
Strategy Policy:  
HTL Sustain; HTL Sustain;  
HTL Sustain

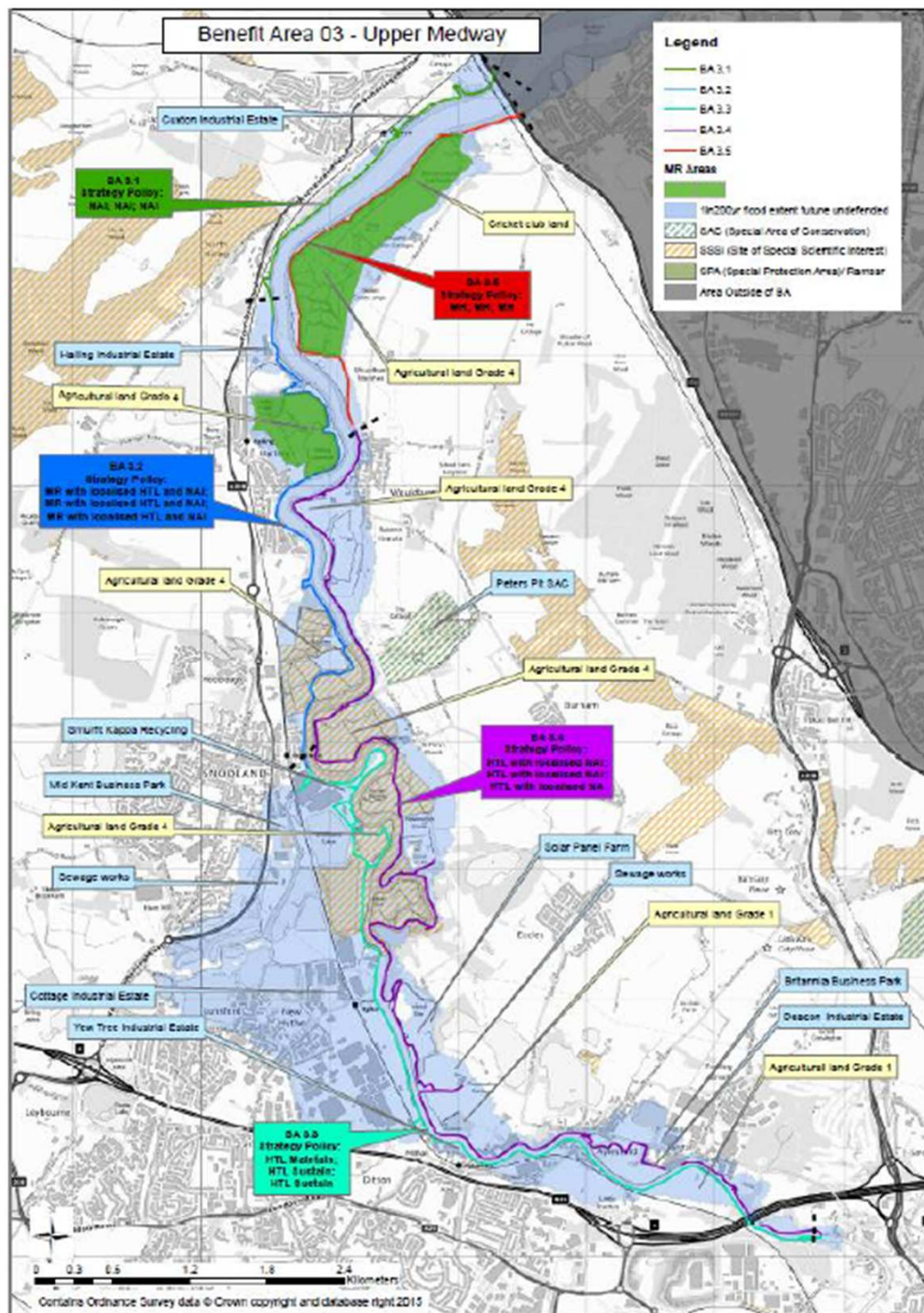
**BA 2.2**  
Strategy Policy:  
HTL with localised NAI;  
HTL with localised NAI;  
HTL with localised NAI

### Legend

- BA 2.1
- BA 2.2
- BA 2.3
- 1 in 200 yr flood extent future undefended
- SAC (Special Area of Conservation)/ Ramsar
- SSSI (Site of Special Scientific Interest)
- SPA (Special Protection Area)/ Ramsar
- Area Outside of BA

0 0.325 0.65 1.3 1.95 2.6 Kilometers  
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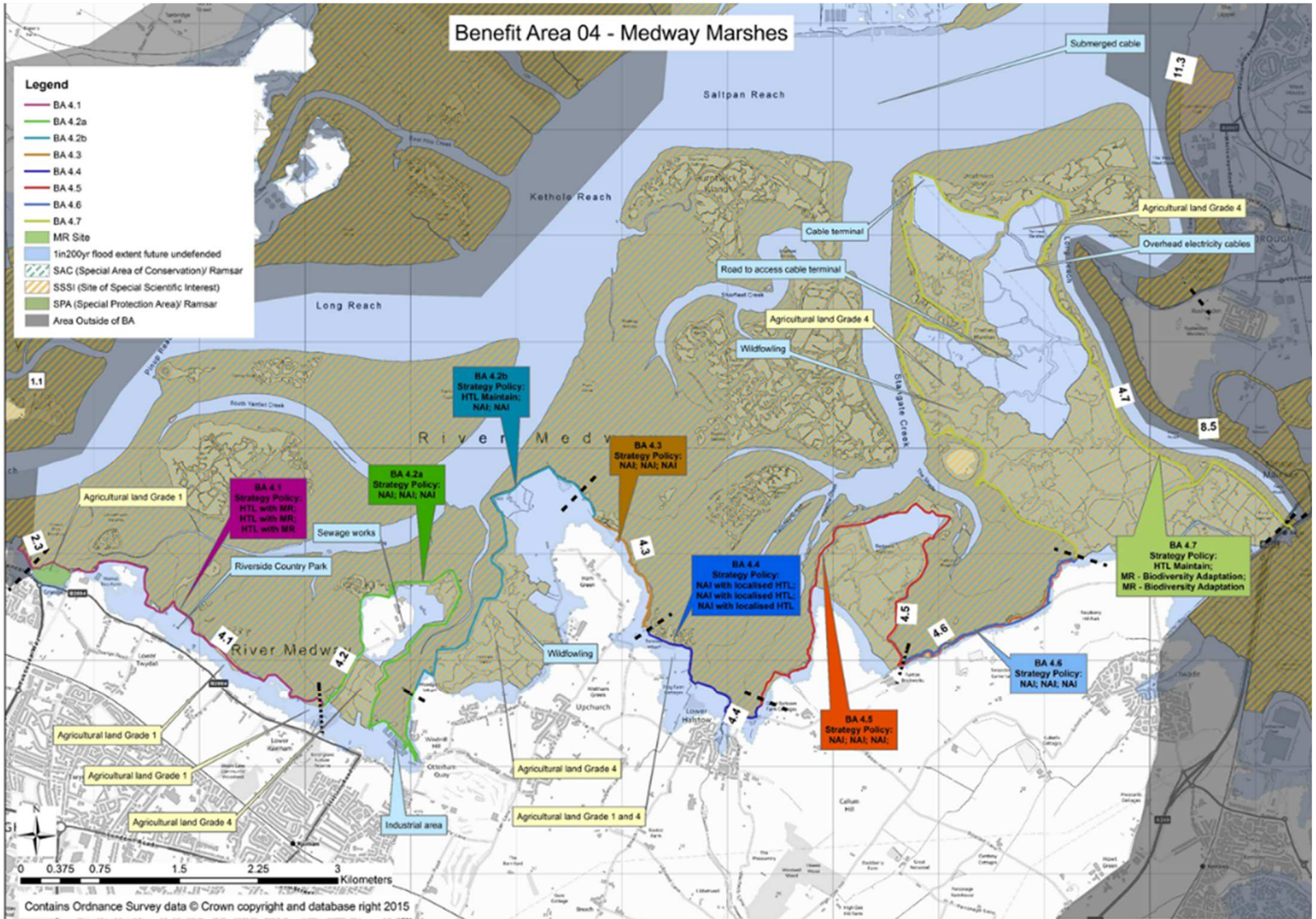




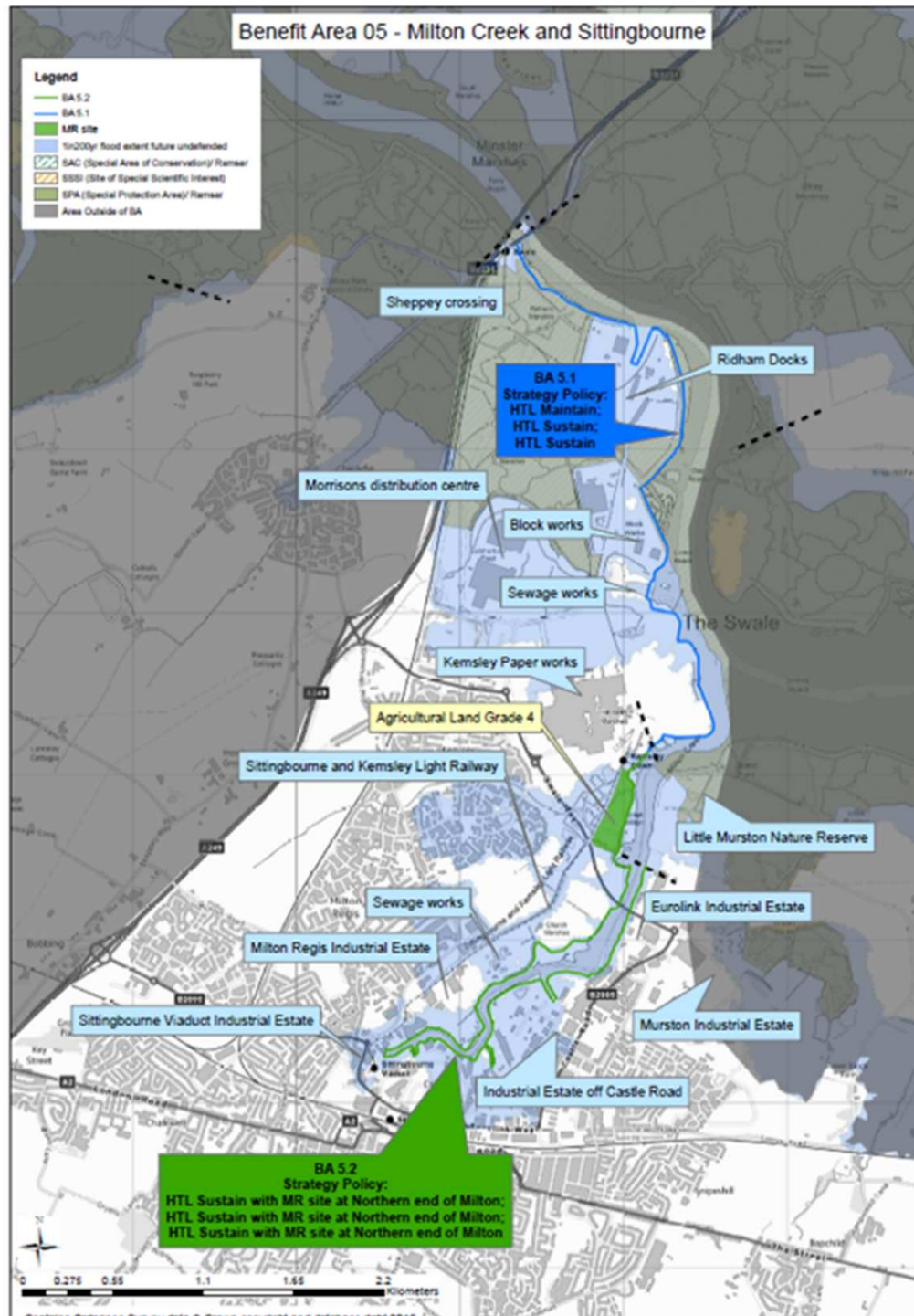
# Benefit Area 04 - Medway Marshes

## Legend

- BA 4.1
- BA 4.2a
- BA 4.2b
- BA 4.3
- BA 4.4
- BA 4.5
- BA 4.6
- BA 4.7
- MR Site
- 1in200yr flood extent future undefended
- SAC (Special Area of Conservation) Ramsar
- SSSI (Site of Special Scientific Interest)
- SPA (Special Protection Area) Ramsar
- Area Outside of BA





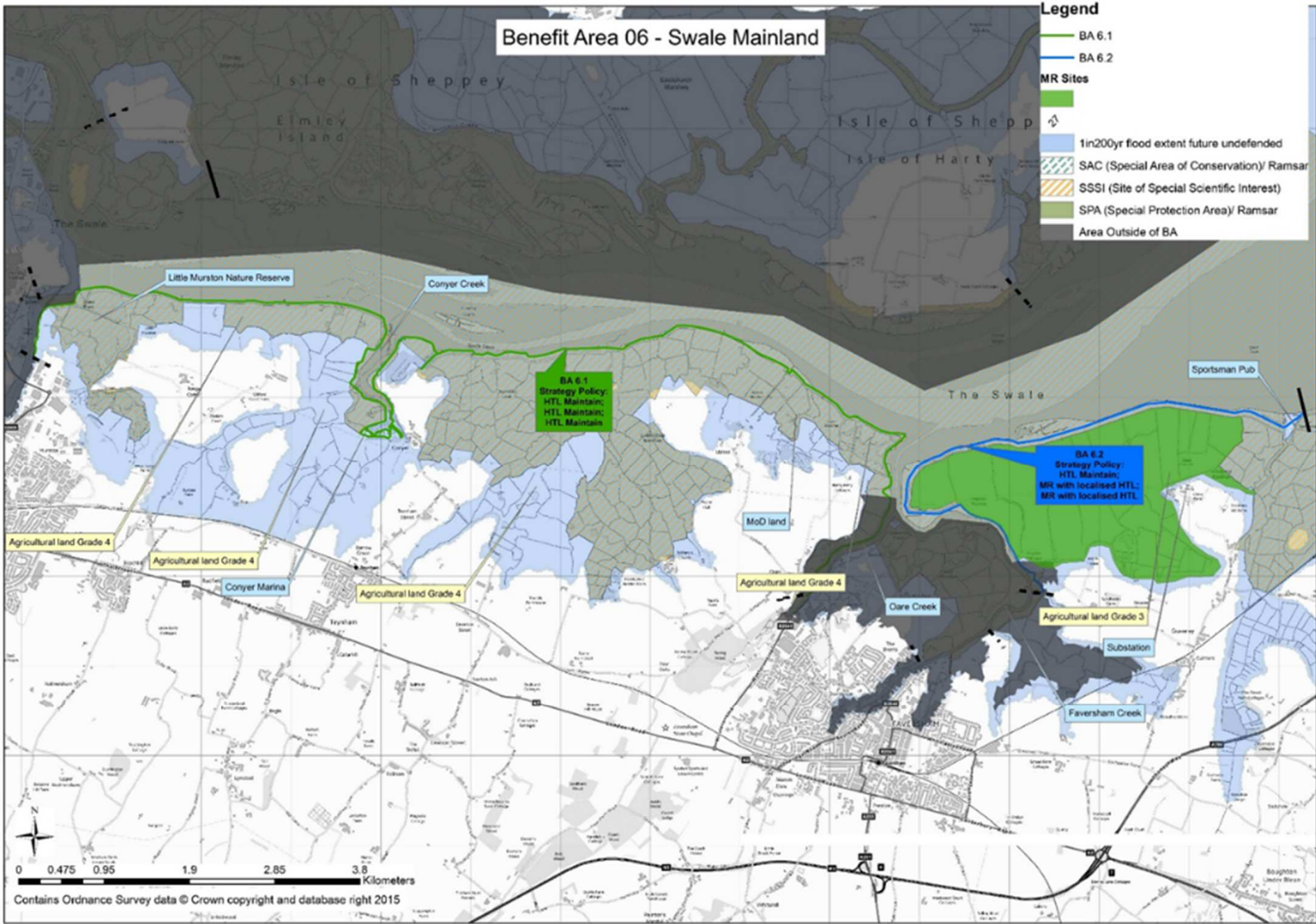




# Benefit Area 06 - Swale Mainland

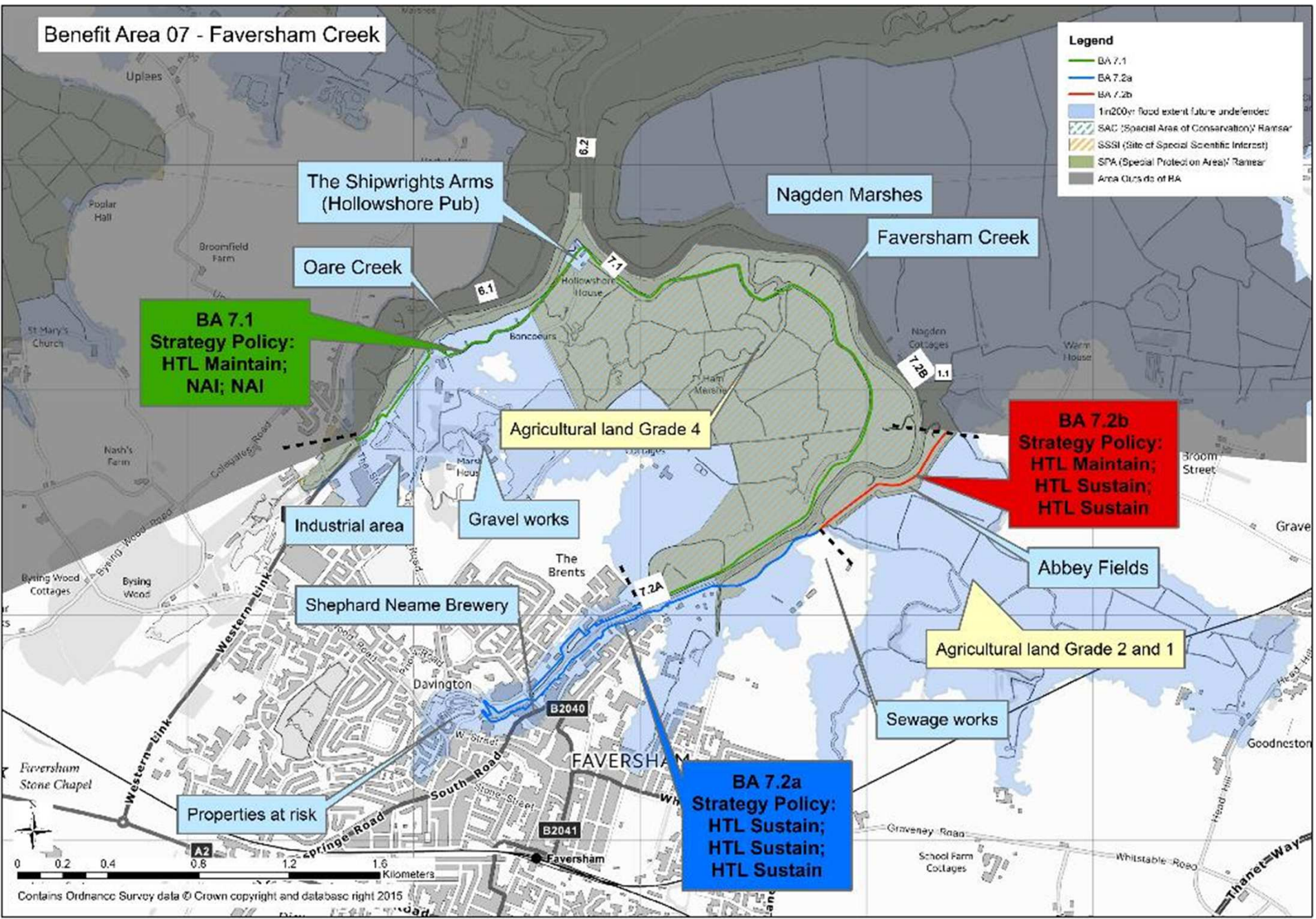
**Legend**

- BA 6.1
- BA 6.2
- MR Sites**
- 1in200yr flood extent future undefended
- SAC (Special Area of Conservation)/ Ramsar
- SSSI (Site of Special Scientific Interest)
- SPA (Special Protection Area)/ Ramsar
- Area Outside of BA





# Benefit Area 07 - Faversham Creek

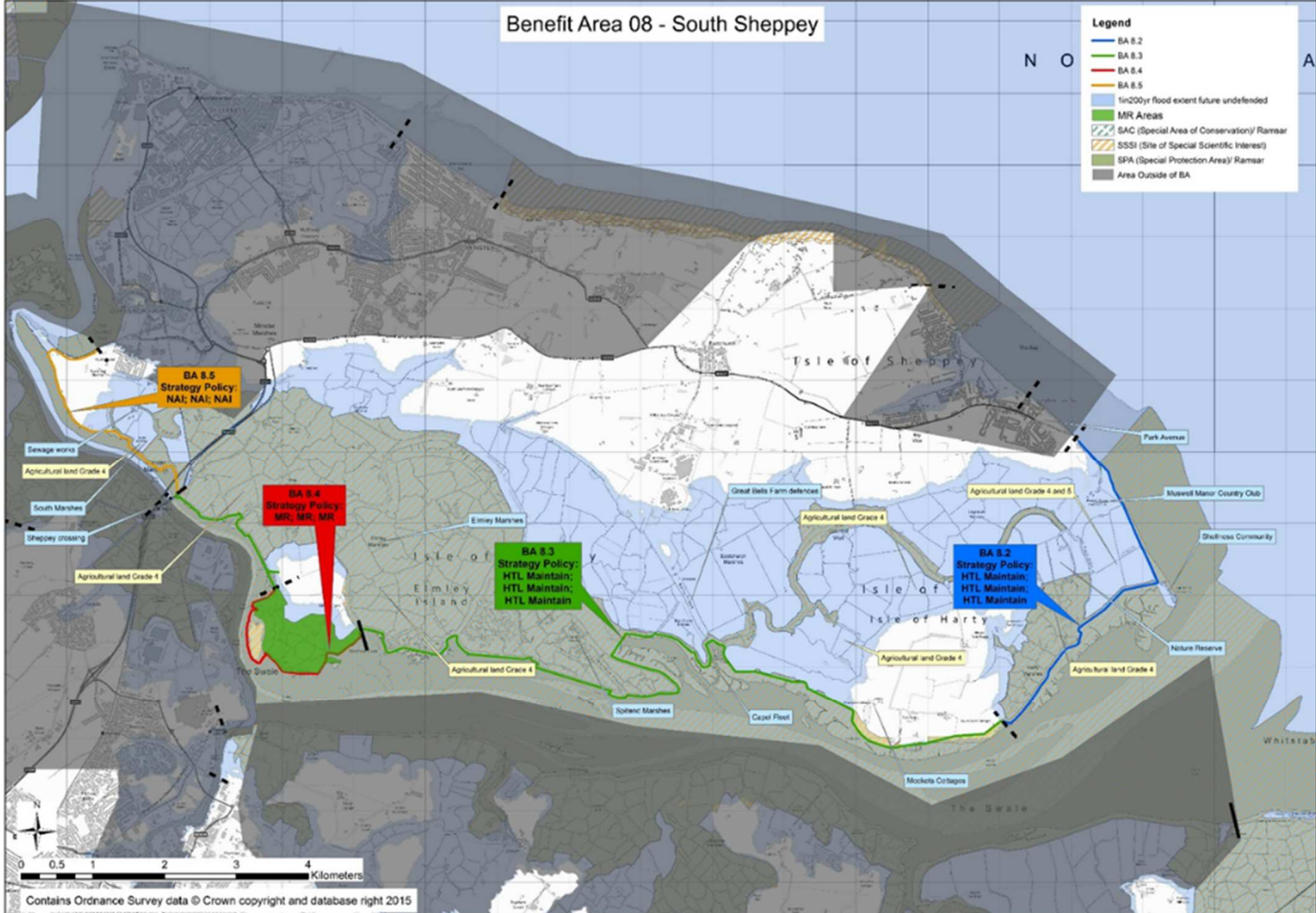




# Benefit Area 08 - South Sheppey

**Legend**

- BA 8.2
- BA 8.3
- BA 8.4
- BA 8.5
- 1in200yr flood extent future undefended
- MR Areas
- SAC (Special Area of Conservation)/ Ramsar
- SSSI (Site of Special Scientific Interest)
- SPA (Special Protection Area)/ Ramsar
- Area Outside of BA



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# Benefit Area 09 - Leysdown

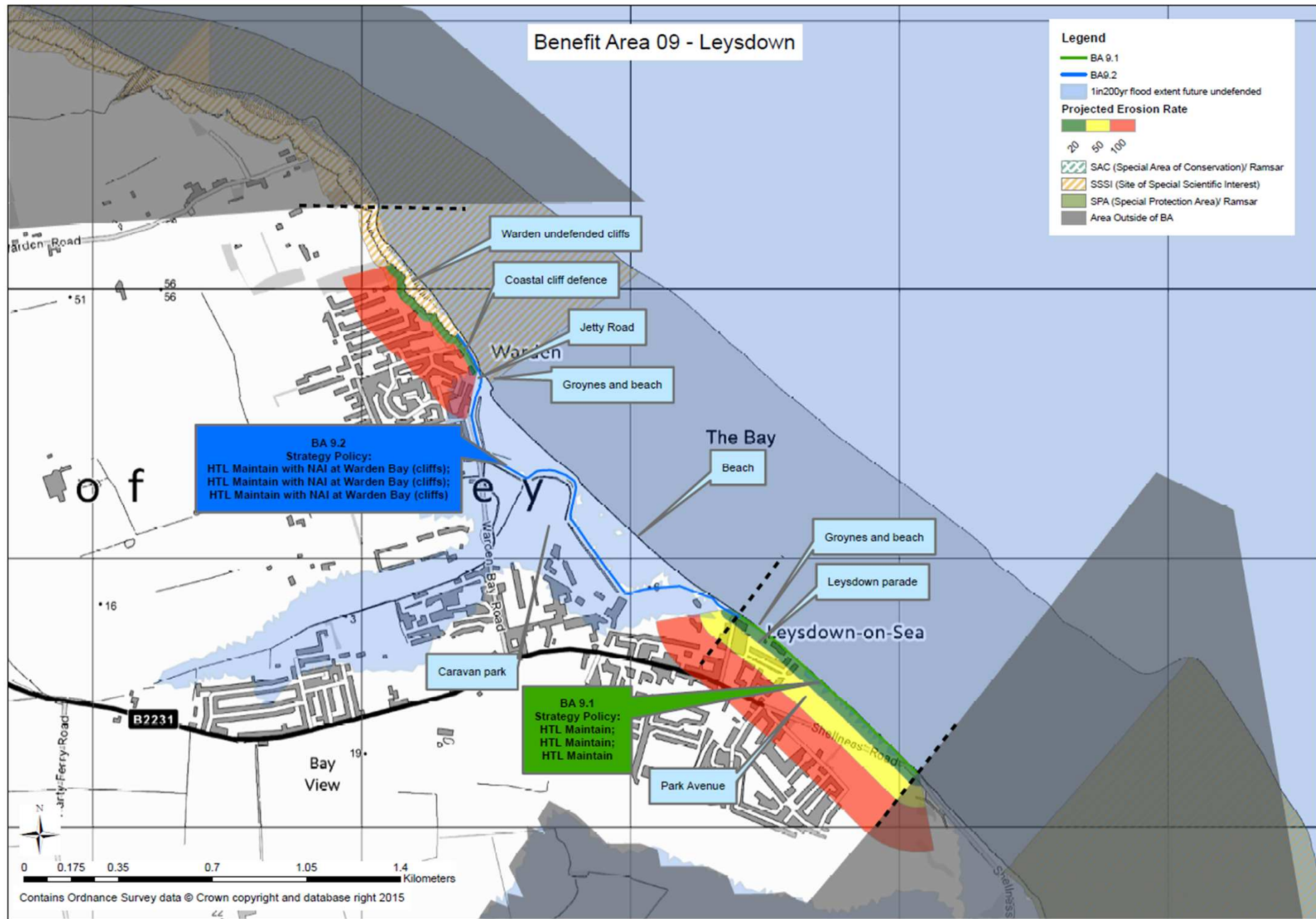
**Legend**

- BA 9.1
- BA 9.2
- 1in200yr flood extent future undefended

**Projected Erosion Rate**

20 60 100

- SAC (Special Area of Conservation)/ Ramsar
- SSSI (Site of Special Scientific Interest)
- SPA (Special Protection Area) Ramsar
- Area Outside of BA



**BA 9.2**  
 Strategy Policy:  
 HTL Maintain with NAI at Warden Bay (cliffs);  
 HTL Maintain with NAI at Warden Bay (cliffs);  
 HTL Maintain with NAI at Warden Bay (cliffs)

**BA 9.1**  
 Strategy Policy:  
 HTL Maintain;  
 HTL Maintain;  
 HTL Maintain

0 0.175 0.35 0.7 1.05 1.4 Kilometers  
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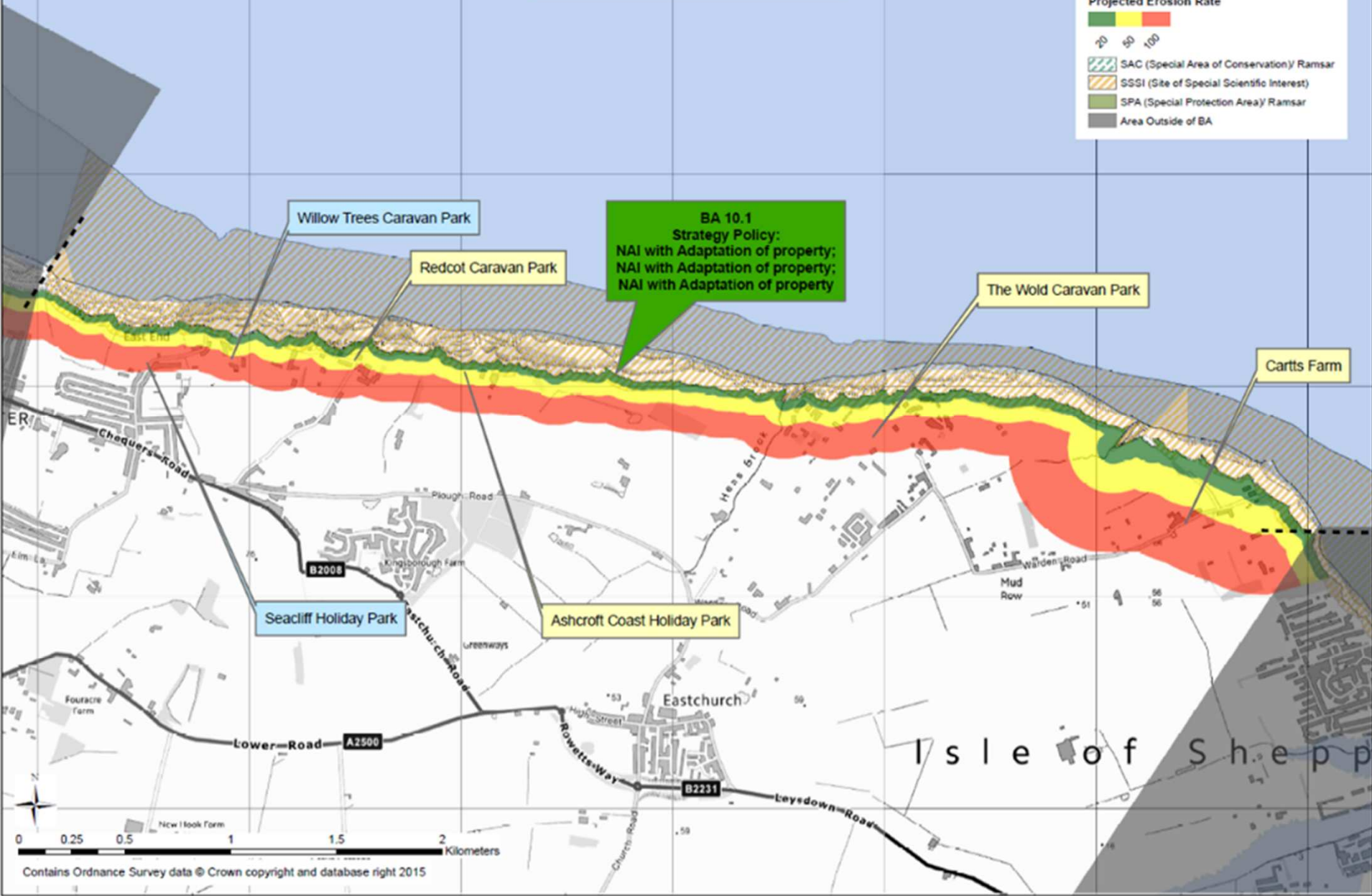


# Benefit Area 10 - Minster Cliffs

**Legend**

- 1 in 200yr flood extent future undefended
- Projected Erosion Rate**
  - 20
  - 50
  - 100
- SAC (Special Area of Conservation) / Ramsar
- SSSI (Site of Special Scientific Interest)
- SPA (Special Protection Area) / Ramsar
- Area Outside of BA

**BA 10.1**  
Strategy Policy:  
NAI with Adaptation of property;  
NAI with Adaptation of property;  
NAI with Adaptation of property



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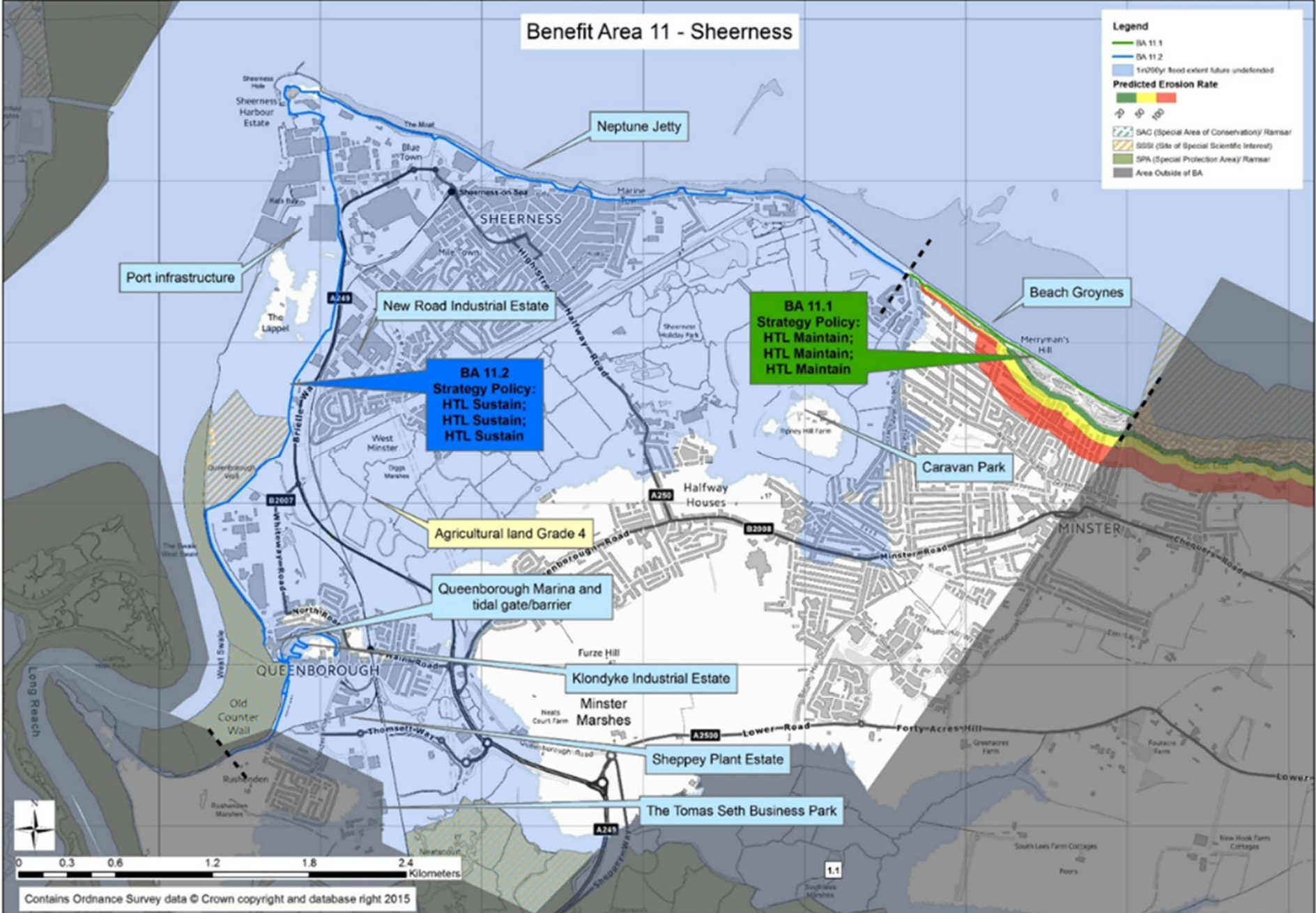
# Benefit Area 11 - Sheerness

**Legend**

- BA 11.1
- BA 11.2
- 1000yr Flood extent future undefended

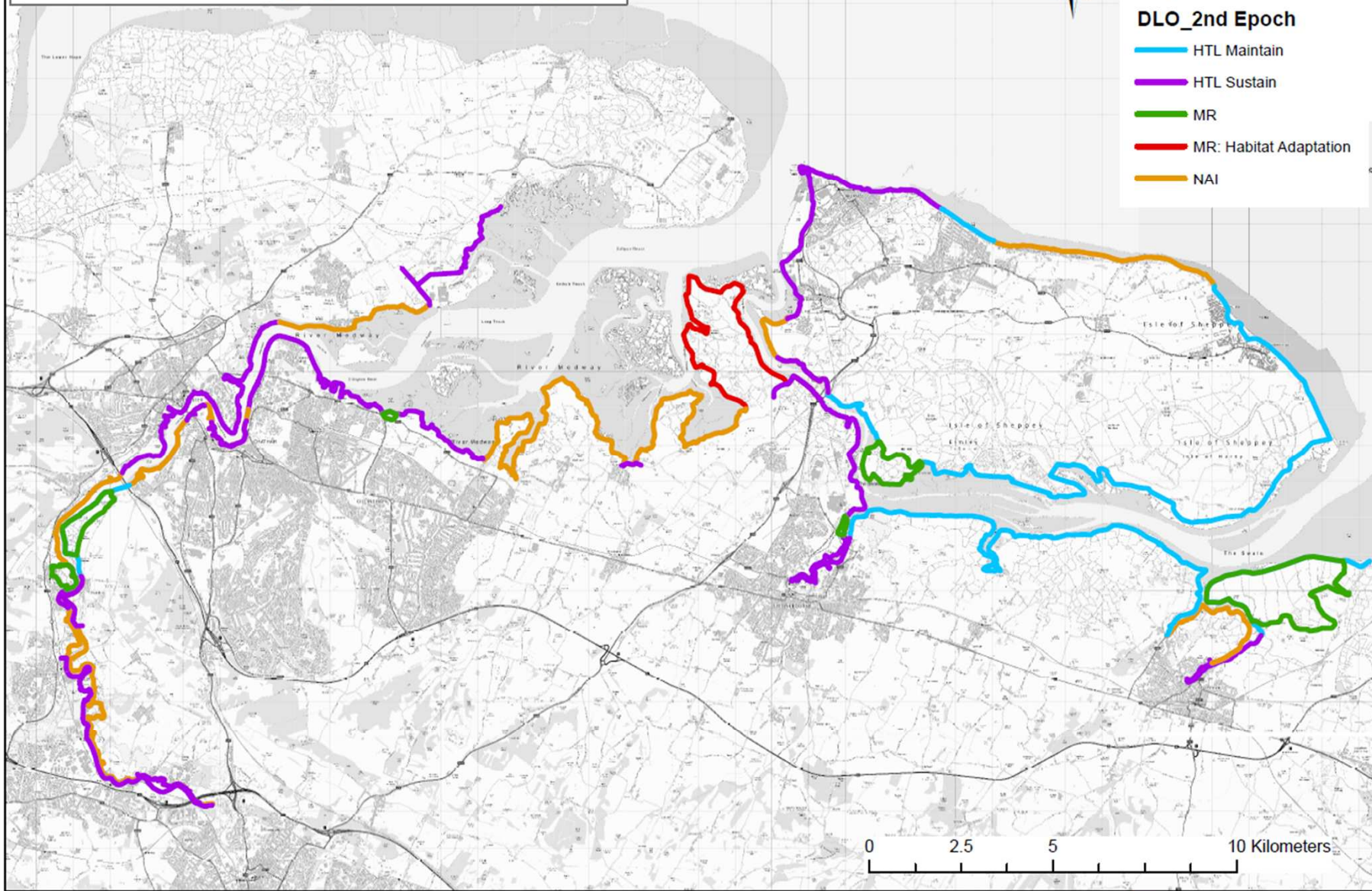
**Predicted Erosion Rate**

- SAC (Special Area of Conservation) Ramsar
- SSSI (Site of Special Scientific Interest)
- SPA (Special Protection Area) Ramsar
- Area Outside of BA



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# MEASS Draft Leading Options - Second Epoch





# MEASS Draft Leading Options - Third Epoch



## Legend

### DLO\_3rd Epoch

- HTL Maintain (light blue line)
- HTL Sustain (purple line)
- MR (green line)
- MR: Habitat Adaptation (red line)
- NAI (orange line)

