London Borough of Bexley

Strategic Flood Risk Assessment – Level 2

Appendix C – Level 2 Mapping – Erith and Slade Green Sustainable Growth Area

2 June 2011










Please note that the modelling on which these maps are based may have been superseded.

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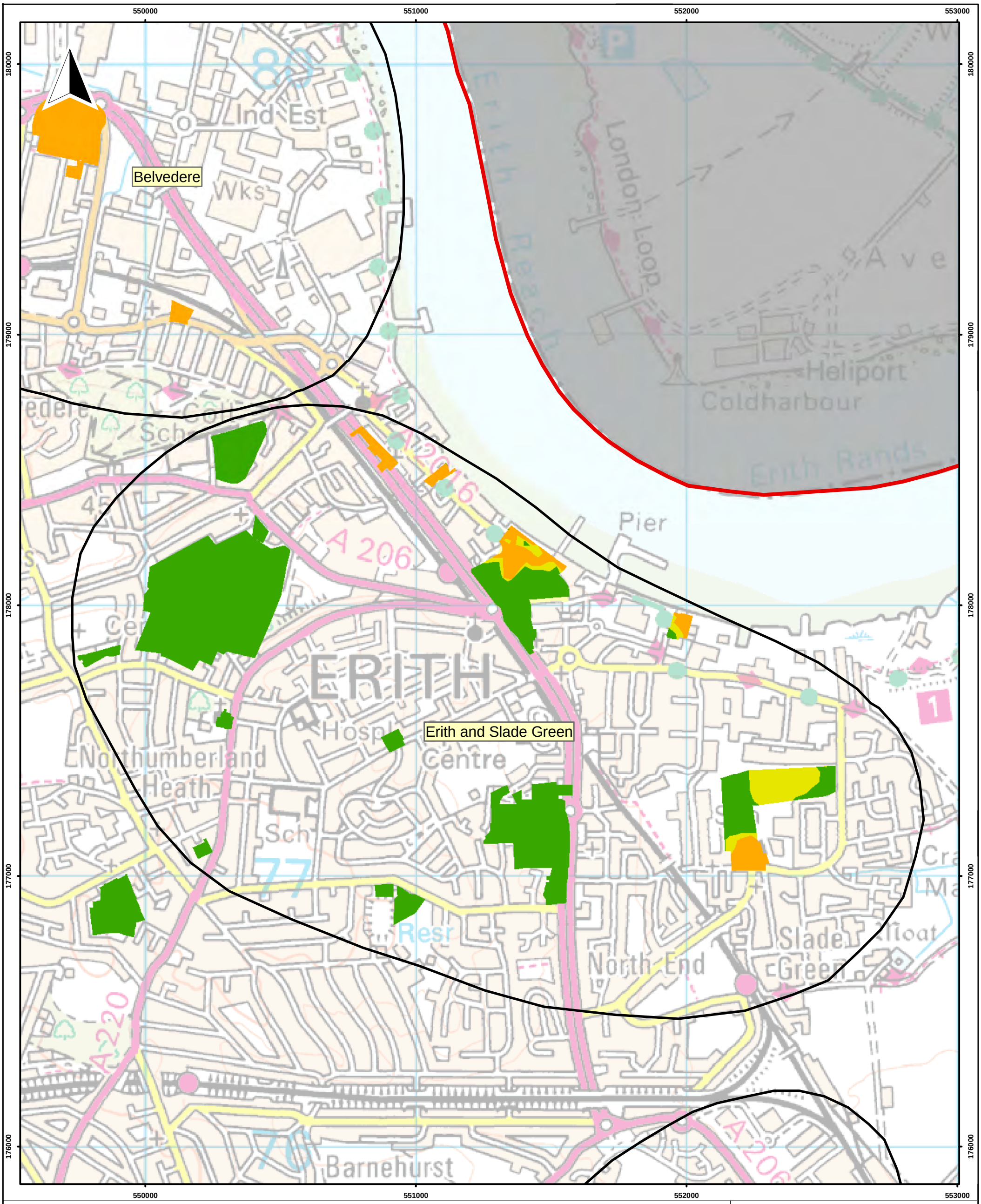
Creating the environment for business



Key: **SHLAA Sites - With Flood Zone Classification**

- Flood Zone 3
- Flood Zone 2
- Flood Zone 1

Basedon Environment Agency Flood Zones 2008

- London Borough of Bexley Boundary
- LDF Growth Areas

0 190 380 570 760 Meters

Scale: 1:14000 @ A3

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Bexley SFRA

Figure C1
Erith and Slade Green
Delineation of Flood Risk on SHLAA Sites

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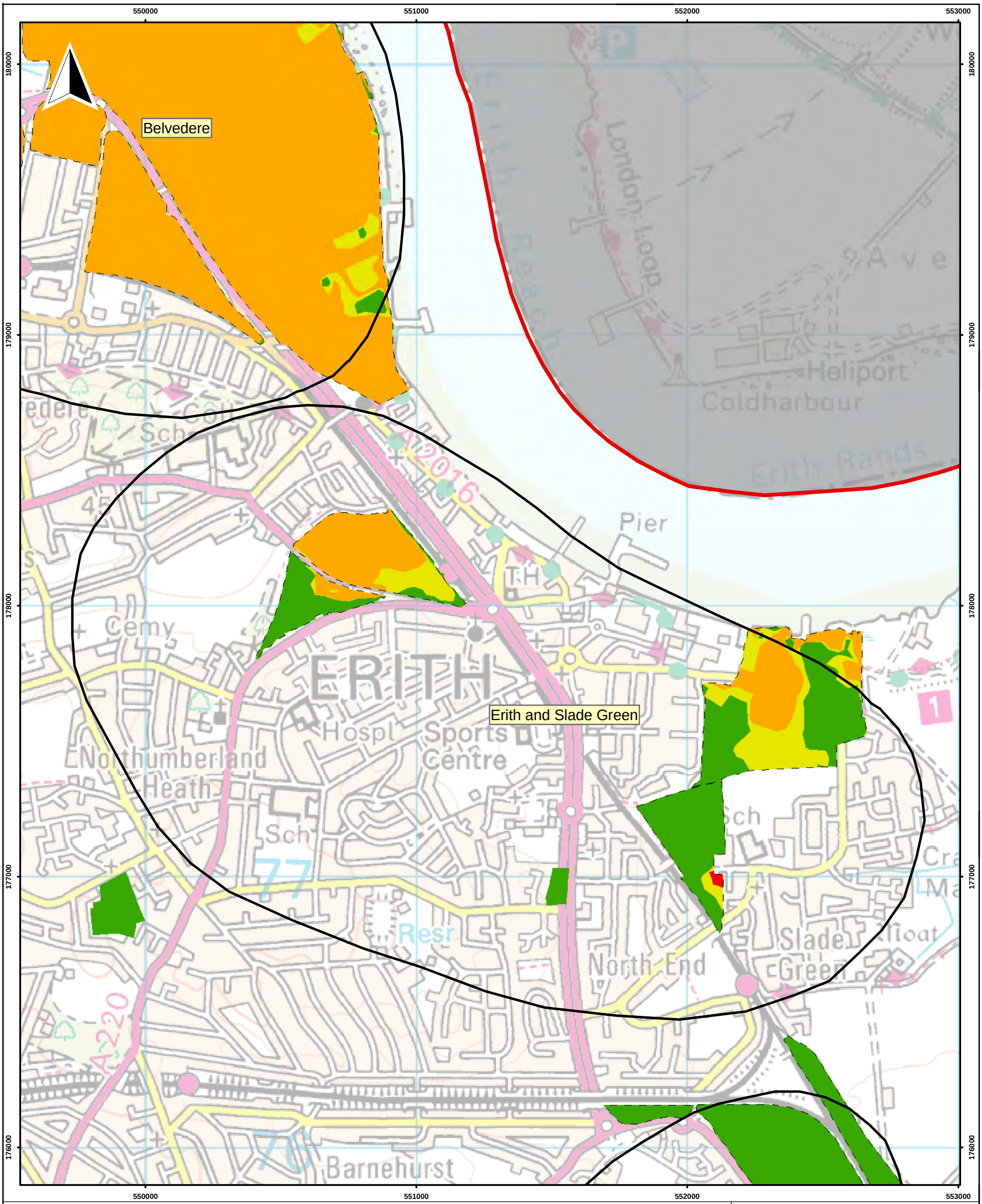

Key: **Employment Sites - With Flood Zone Classification**

- Flood Zone 3
- Flood Zone 2
- Flood Zone 1
- Indicates Primary Sites
- London Borough of Bexley Boundary
- LDF Growth Areas

0 190 380 570 760 Meters

Scale: 1:13000 @ A3

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Figure C2
Erith and Slade Green
Delineation of Flood Risk on Employment Sites

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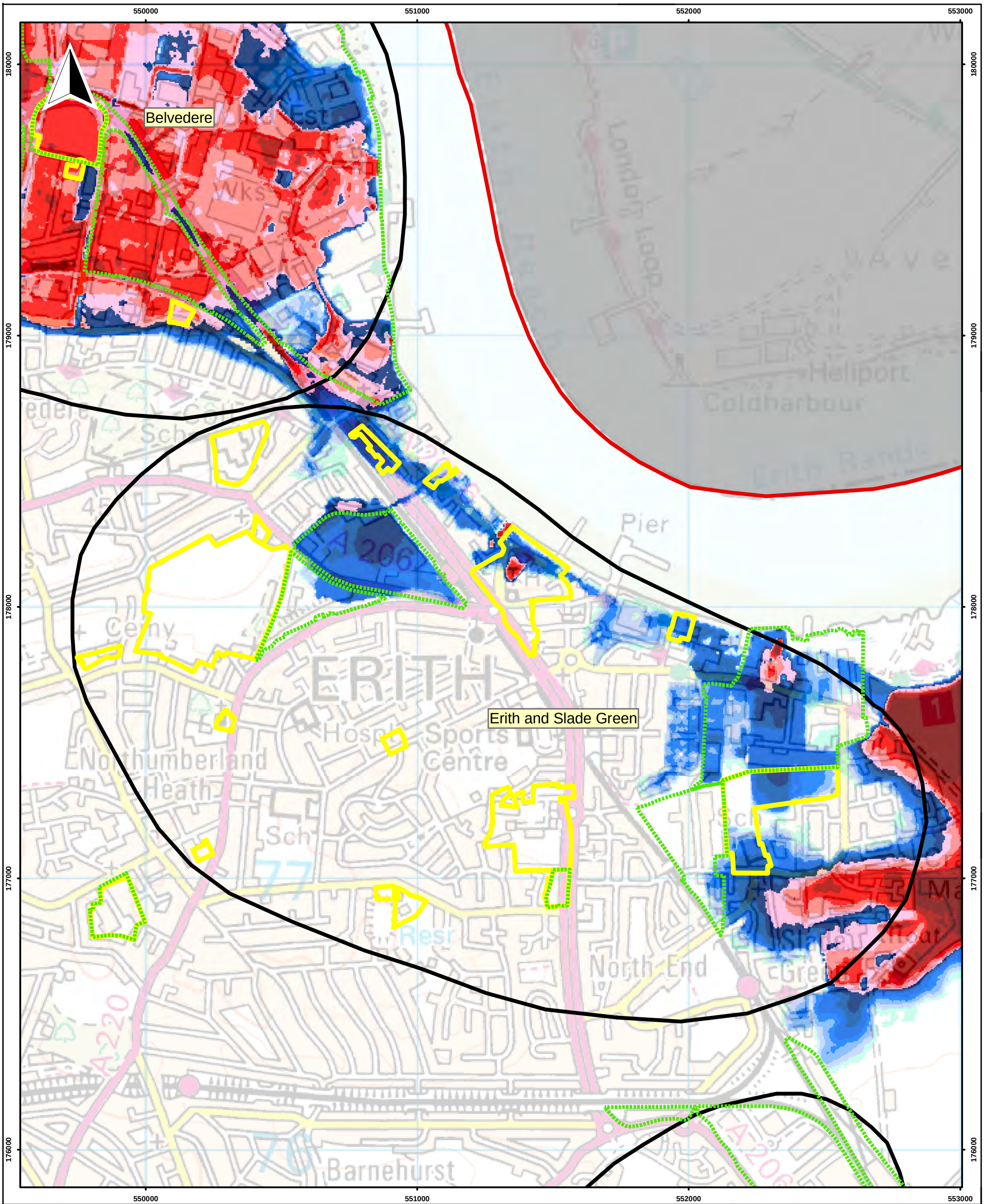

Key:

- London Borough of Bexley Boundary
- LDF Growth Areas
- SHLAA Sites
- Employment Sites

Maximum Flood Depth (m)

0 - 0.25	2.01 - 2.5
0.25 - 0.5	2.51 - 3
0.50 - 0.75	3.01 - 3.5
0.75 - 1	3.51 - 4
1.00 - 1.5	4.01 - 5
1.51 - 2	5.01 - 6

0 170 340 510 680 Meters

Scale: 1:13000 @ A3

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Figure C3
Erith and Slade Green - Maximum Predicted Flood Depths From all Breaches in the 1 in 200 Year Tidal Event Plus CC

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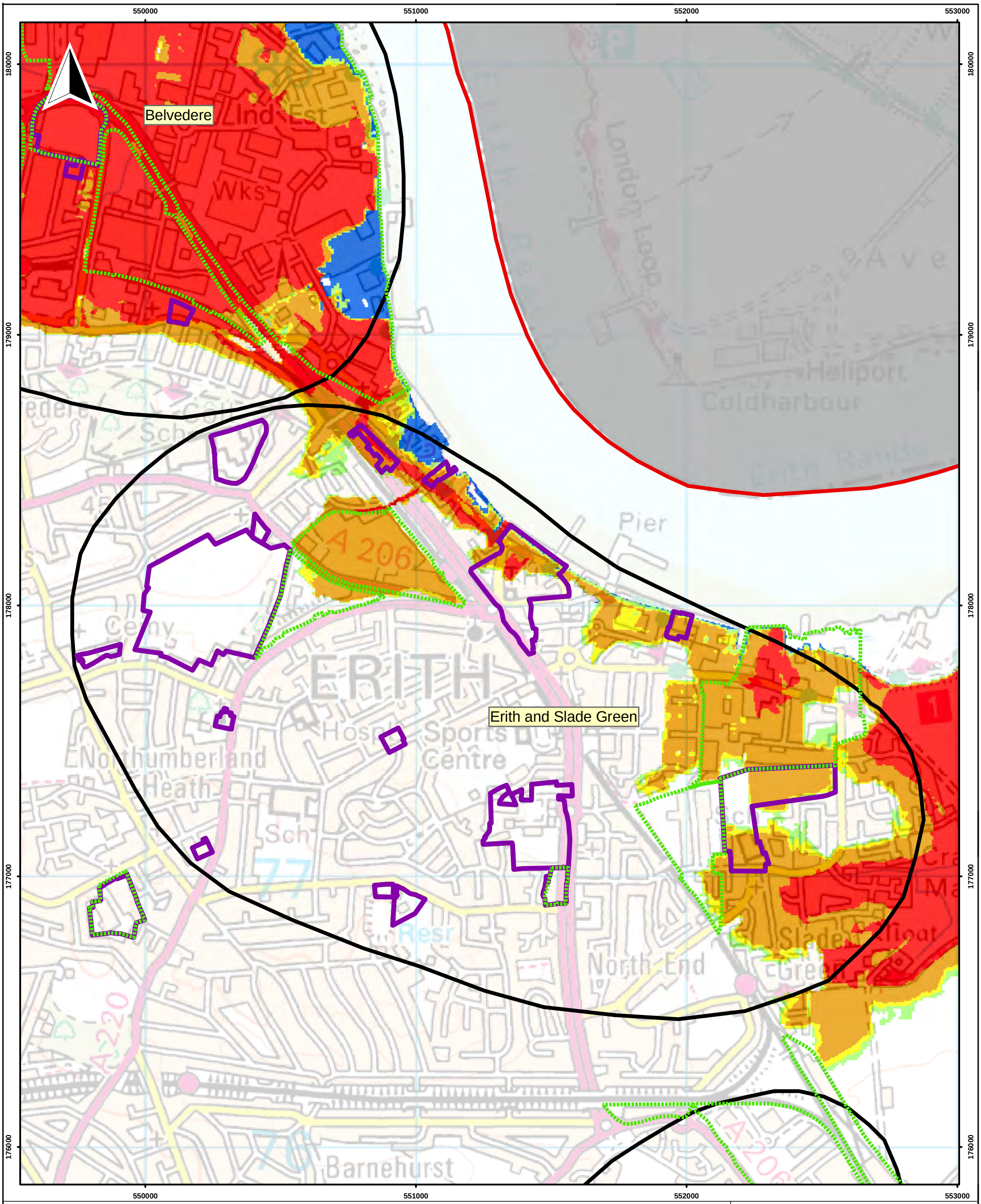

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550000 551000 552000 553000

180000 179000 178000 177000 176000

Belvedere

Erith and Slade Green

Key:

- London Borough of Bexley Boundary
- LDF Growth Areas
- SHLAA Sites
- Employment Sites

Maximum Water Surface Elevation From all Breaches (1 in 200yr +CC) mAOD

0.01 - 3.70	5.31 - 5.79
3.71 - 4.10	5.80 - 6.21
4.11 - 4.40	6.22 - 6.75
4.41 - 4.89	
4.90 - 5.30	

0 175 350 525 700 Meters

Scale: 1:13000 @ A3

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Figure C5
Erith and Slade Green - Maximum Predicted Flood Water Level From all Breaches in the 1 in 200 Year Tidal Event Plus CC

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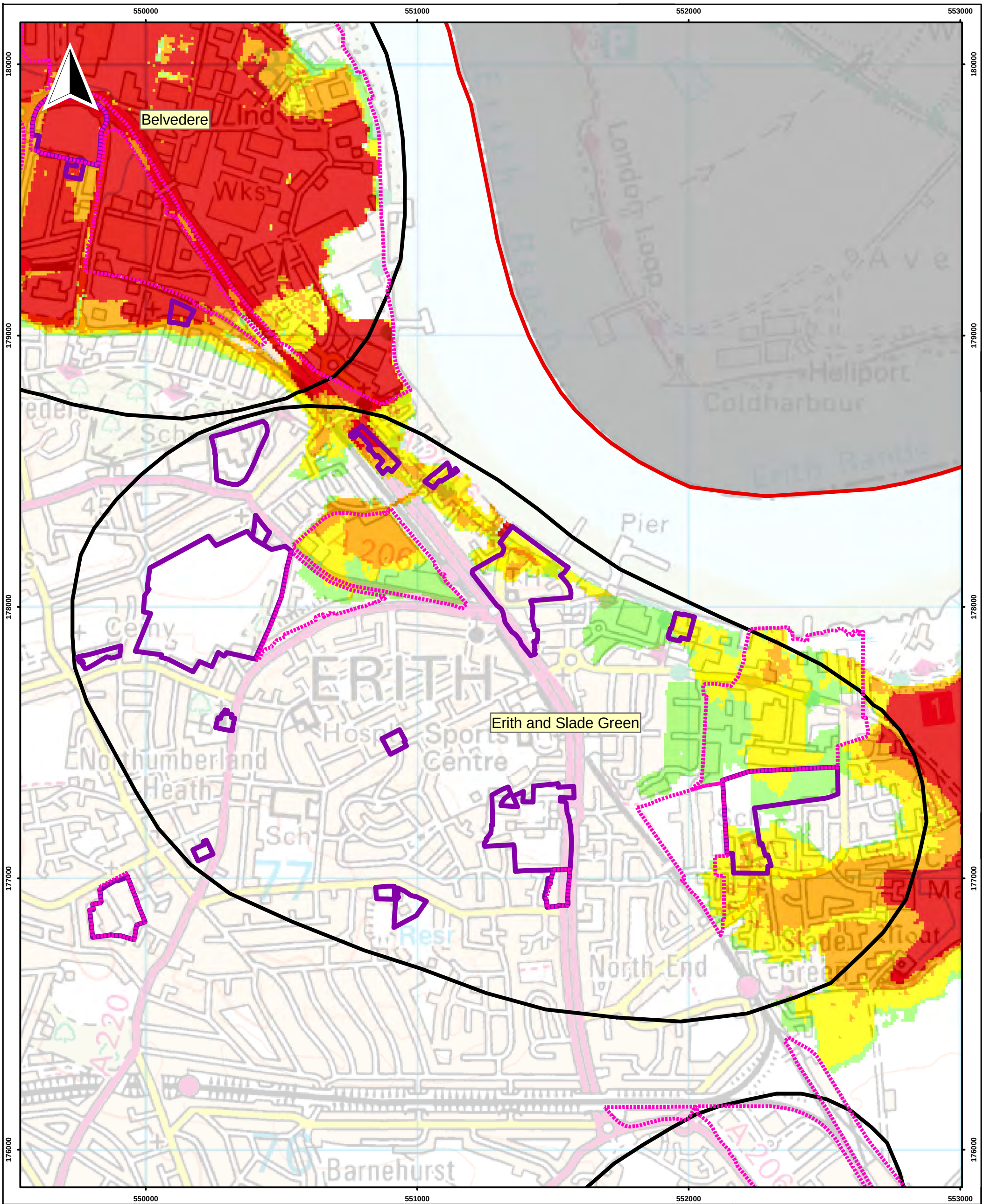

Key:

- London Borough of Bexley Boundary
- LDF Growth Areas
- SHLAA Sites
- Employment Sites

Likely Rate of Flooding Onset (Hours)

- Less than 3 hours
- Less than 6 hours
- Less than 15 hours
- Area converd at maximum extent

0 175 350 525 700 Meters

Scale: 1:13000 @ A3

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Figure C6
Erith and Slade Green - Combined Likely Rate of Inundation from all Simulated Breaches (1 in 200yr Plus CC)

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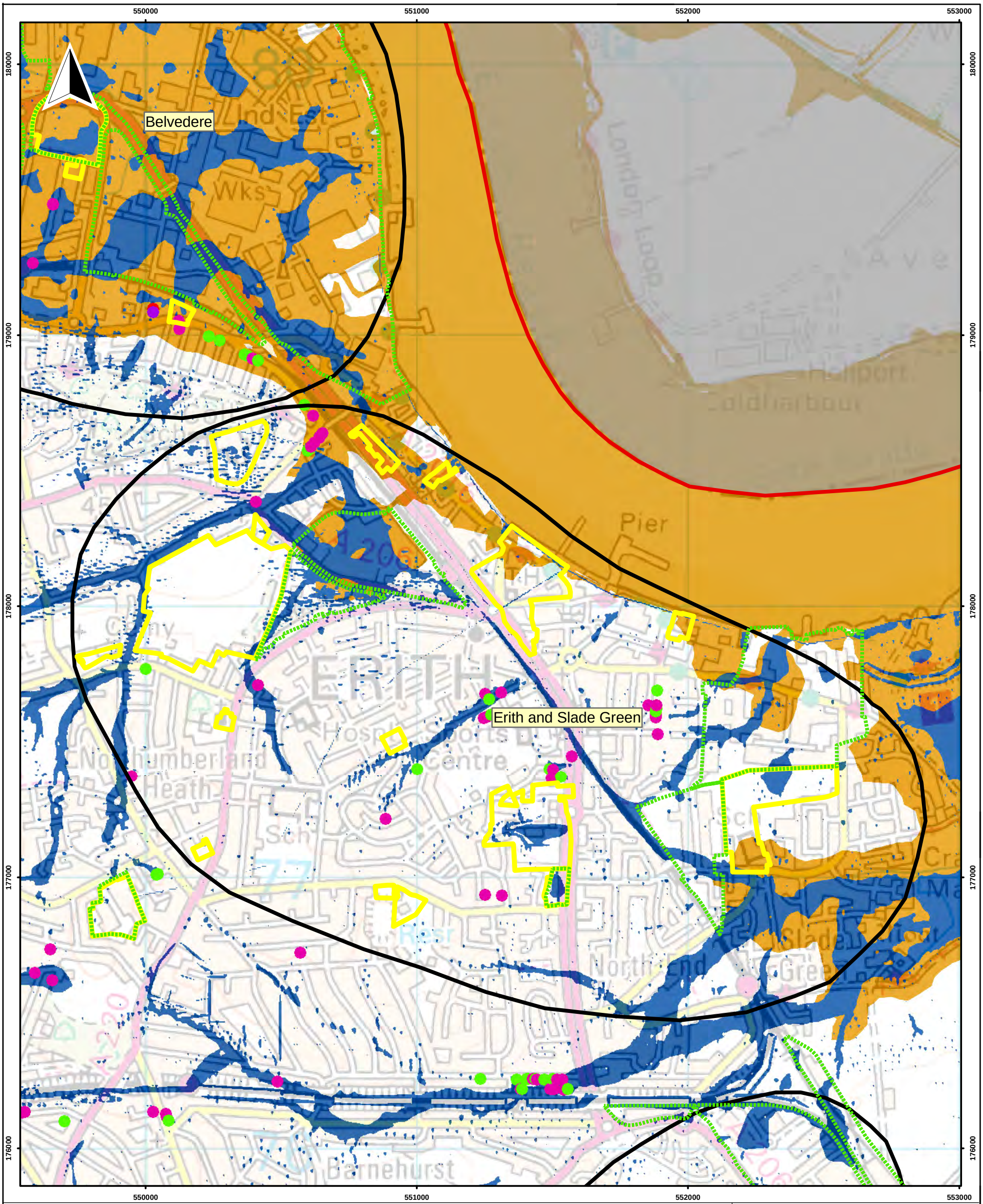

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Figure C7
Erith and Slade Green - Incidents of Surface Water Flooding and Modelled areas of Potential Surface Water Flow Routes and Ponding Areas

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Belvedere

Erith and Slade Green

550000 551000 552000 553000

180000 179000 178000 177000 176000

Key:

- London Borough of Bexley Boundary
- LDF Growth Areas
- SHLAA Sites
- Employment Sites

Groundwater Head (m below ground)

- -3 - 0
- 0 - 2.5
- 2.51 - 5
- 5.01 - 7.5
- 7.51 - 10
- 10.01 - 15
- 15.01 - 20
- 20.01 - 25
- 25.01 - 30
- 30.01 - 35
- 35.01 - 40
- 40.01 - 45
- 45.01 - 50
- 50.01 - 55

Depth to groundwater head was based upon ground elevations provided by 5m SAR topographic data

Groundwater Contours (m) below ground Supplied by EA

0 170 340 510 680 Meters

Scale: 1:13000 @ A3

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Figure C8
Erith and Slade Green
Depth to Groundwater
Head (m below ground level)

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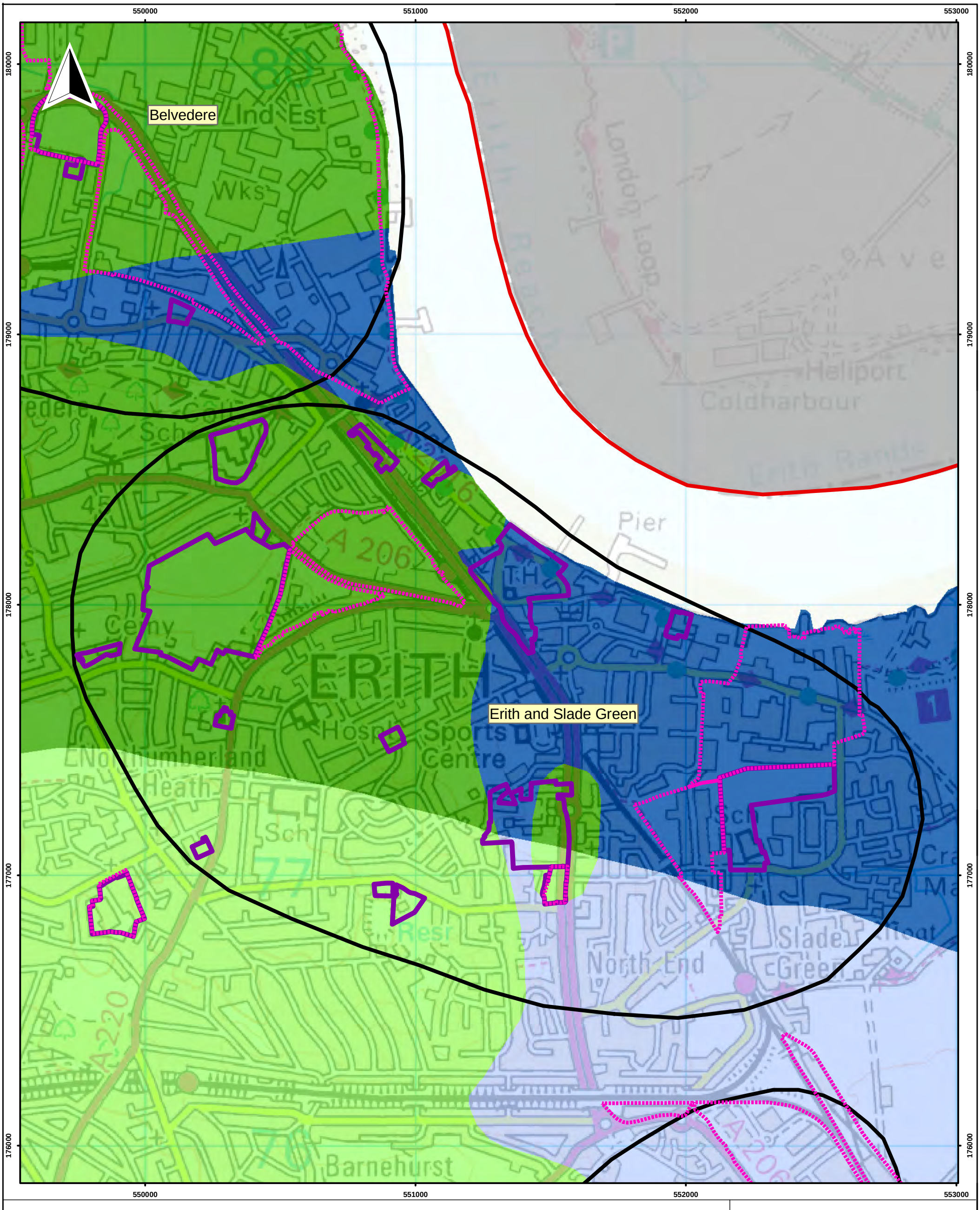

Key:

- London Borough of Bexley Boundary
- LDF Growth Areas
- SHLAA Sites
- Employment Sites

Infiltration Suitability
Suitability of Infiltration SuDS

- Highly
- Highly with caution - owing to SPZ designation
- Intermediate
- Intermediate with caution- owing to SPZ designation
- Low
- Low with caution- owing to SPZ designation
- No data available

0 170 340 510 680 Meters

Scale: 1:13000 @ A3

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Figure C9
Erith and Slade Green
Soil Infiltration Potential to Inform the Suitability of Infiltration SuDS Techniques

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