

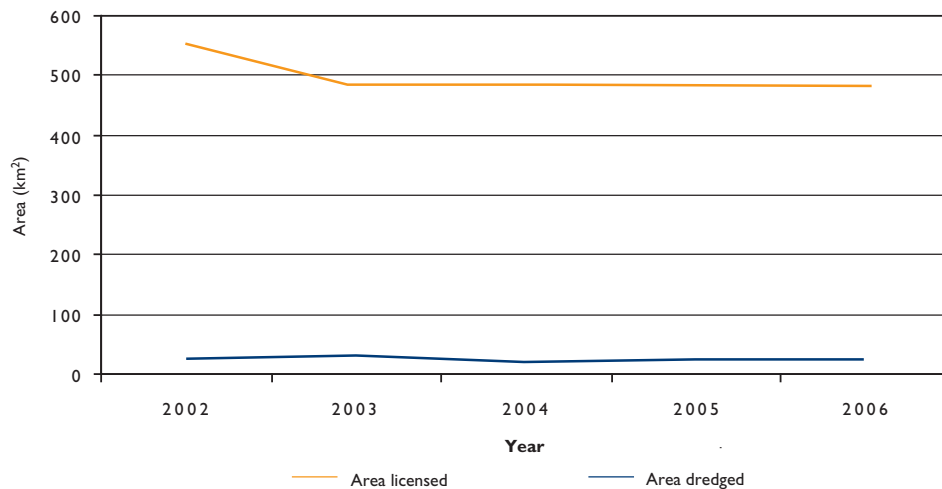
## Background

- the Humber region has 8 production licences, operated by British Dredging Ltd, CEMEX UK Marine Ltd, Hanson Aggregates Marine Ltd, United Marine Dredging Ltd and Westminster Gravels Ltd for both sand and gravel, principally for use in the construction industry
- during 2006, 4.47 million tonnes of aggregates were dredged from a permitted licensed tonnage of 4.65 million
- of the total marine aggregate dredged from the Humber region, 1.36 million tonnes were landed at wharves in the north east, located on the Tyne, Tees and Humber rivers. 0.24 million tonnes were landed elsewhere in England and 1.91 million tonnes were landed at wharves in mainland Europe. 0.95 million tonnes were specifically dredged for beach nourishment schemes, and approximately 1000 tonnes were dredged specifically for contract fill

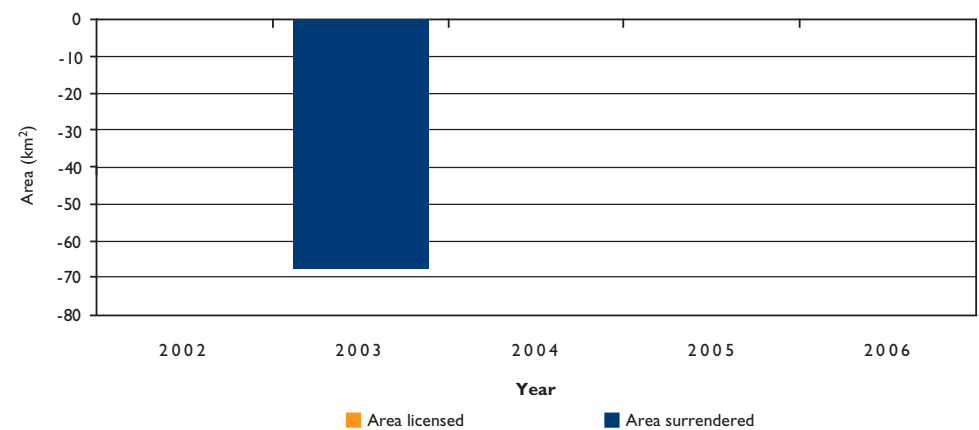
## Regional statistics

- the licensed area in the Humber region was 483.68 km<sup>2</sup>
- the total area actually available to be dredged within the Humber region during 2006 was 144.64 km<sup>2</sup>
- dredging took place within 28.26 km<sup>2</sup>, 5.84 % of the licensed area
- high intensity dredging (greater than 1 hour 15 minutes) is equal to 1.18 km<sup>2</sup>, representing 31.50 % of regional dredging activity
- 90 % of regional dredging effort took place from 11.55 km<sup>2</sup>
- during the period 2006, the area licensed for marine aggregate extraction remained unchanged

Area of seabed licensed and dredged



Area of seabed licensed and surrendered





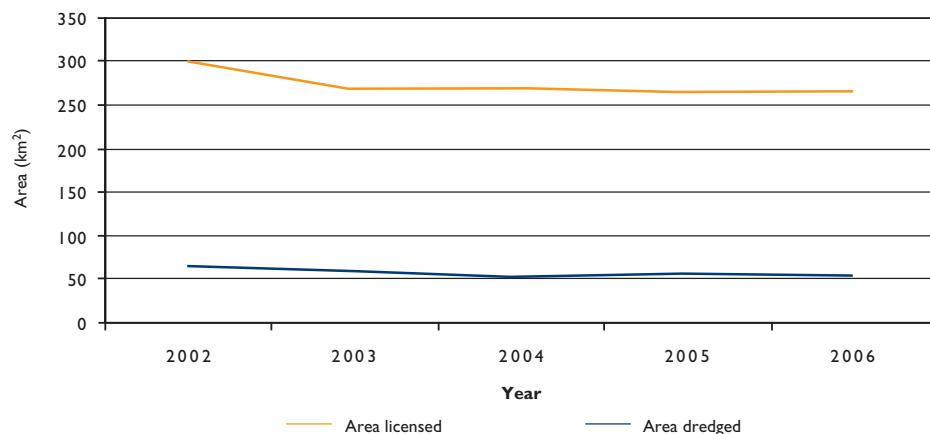
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N.B. i) Dredging intensity is based on variable grid cells of 50m by 50m. ii) Licence Boundaries are depicted as of 31/12/2006. iii) 6nm and 12nm as at 1/1/2005.

## Background

- the East Coast region has 14 production licences, operated by British Dredging Ltd, CEMEX UK Marine Ltd, Hanson Aggregates Marine Ltd, United Marine Dredging Ltd and Volker Dredging Ltd for both sand and gravel, principally for use in the construction industry
- during 2006, 8.01 million tonnes of aggregate were dredged from a permitted licensed tonnage of 12.20 million tonnes
- of the total marine aggregate dredged from the East Coast region, 4.20 million were landed at wharves along the Thames and Medway rivers. 0.15 million tonnes were landed at wharves elsewhere in England. A further 3.66 million tonnes were landed at wharves in mainland Europe

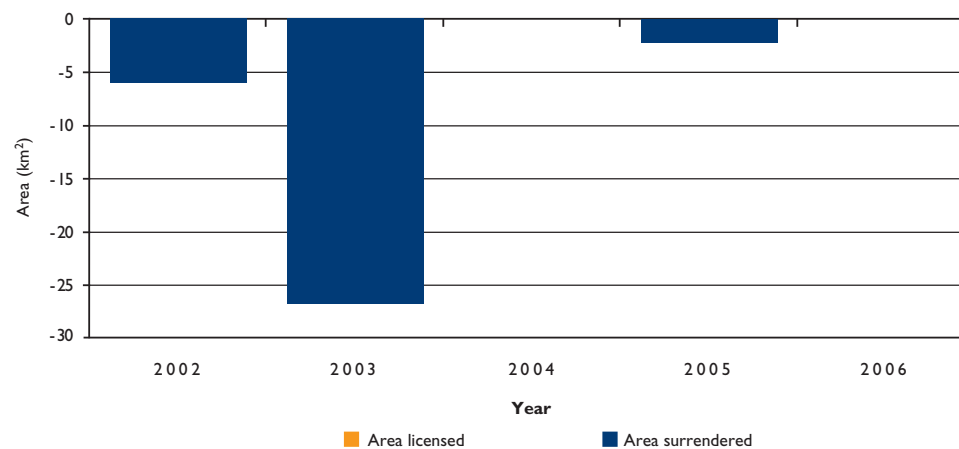
Area of seabed licensed and dredged



## Regional statistics

- the licensed area in the East Coast region was 268.00 km²
- the total area actually available to be dredged within the East Coast region during 2006 was 177.24 km²
- dredging took place within 51.31 km², 19.15 % of the licensed area
- high intensity dredging (greater than 1 hour 15 minutes) is equal to 3.35 km², representing 55.49 % of regional dredging activity
- 90 % of regional dredging effort took place from 17.75 km²
- during the period 2006, the area licensed for marine aggregate extraction remained unchanged

Area of seabed licensed and surrendered





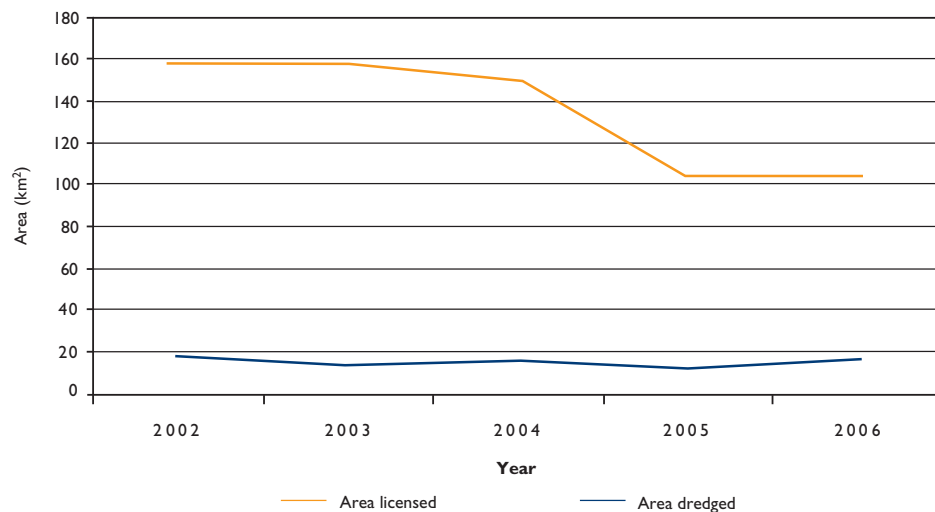
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## Background

- the Thames region has 8 production licences, operated by Britannia Aggregates Ltd, British Dredging Ltd, CEMEX UK Marine Ltd, Hanson Aggregates Marine Ltd, and United Marine Dredging Ltd for both sand and gravel, principally for use in the construction industry
- during 2006, 1.05 million tonnes of aggregate were dredged from a permitted licensed tonnage of 2.95 million
- of the total marine aggregate dredged from the Thames region, 0.77 million tonnes were landed at wharves along the Thames and Medway rivers. A further 0.13 million tonnes were landed at wharves in mainland Europe and 0.15 million tonnes were specifically dredged for beach nourishment schemes

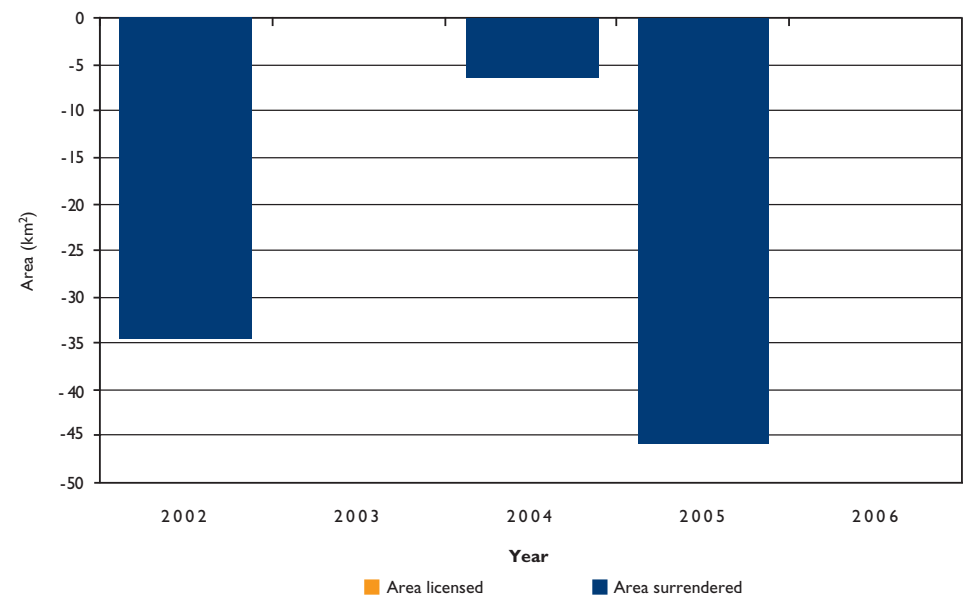
Area of seabed licensed and dredged



## Regional statistics

- the licensed area in the Thames region was 102.87 km²
- the total area actually available to be dredged within the Thames region during 2006 was 67.84 km²
- dredging took place within 15.92 km², 15.48 % of the licensed area
- high intensity dredging (greater than 1 hour 15 minutes) is equal to 0.20 km², representing 24.36 % of regional activity
- 90 % of regional dredging effort took place from 6.49 km²
- during the period 2006, the area licensed for marine aggregate extraction remained unchanged

Area of seabed licensed and surrendered





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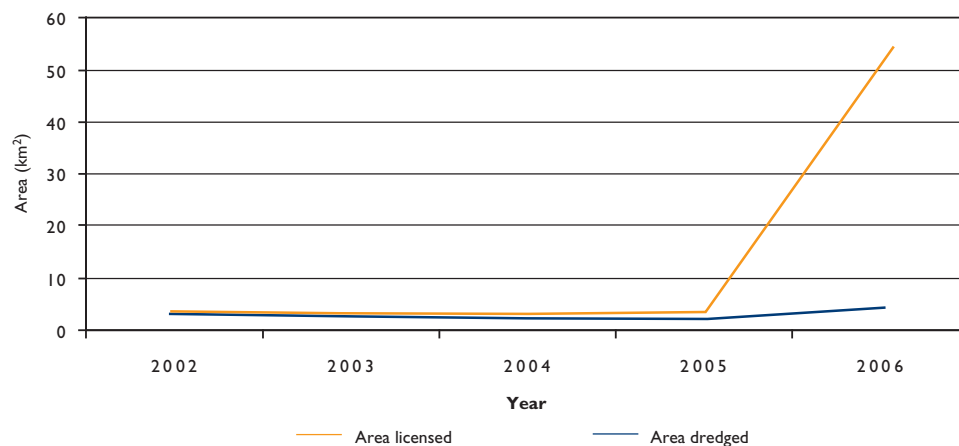
## Background

- the East English Channel region has 8 production licences, operated by British Dredging Ltd, CEMEX UK Marine Ltd, Hanson Aggregates Marine Ltd, United Marine Dredging Ltd and Volker Dredging Ltd
- during 2006, 0.34 million tonnes of aggregate were dredged from a permitted licensed tonnage of 6.49 million
- of the total marine aggregate dredged from the East English Channel region, 0.08 million tonnes were landed at wharves along the South Coast, and 0.20 million tonnes were landed at wharves along the Thames and Medway rivers. A further 0.04 million tonnes were landed at wharves in mainland Europe, and 0.02 million tonnes were specifically dredged for beach nourishment schemes

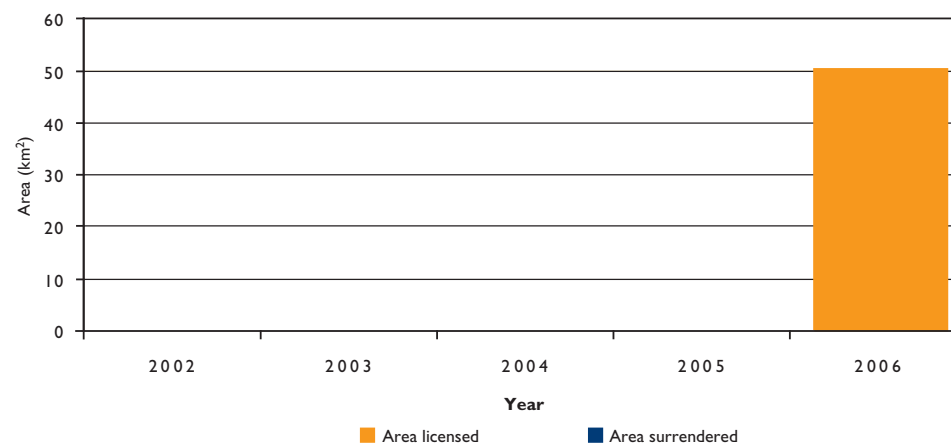
## Regional statistics

- the licensed area in the East English Channel region was 53.83 km<sup>2</sup>
- the total area actually available to be dredged within the East English Channel region during 2006 was 15.63 km<sup>2</sup>
- dredging took place within 3.60 km<sup>2</sup>, 6.69 % of the licensed area
- high intensity dredging (greater than 1 hour 15 minutes) is equal to 0.12 km<sup>2</sup>, representing 32.57 % of regional activity
- 90 % of regional dredging effort took place from 1.40 km<sup>2</sup>
- during the period 2006, the area licensed for marine aggregate extraction in the East English Channel region increased by 50.28 km<sup>2</sup>

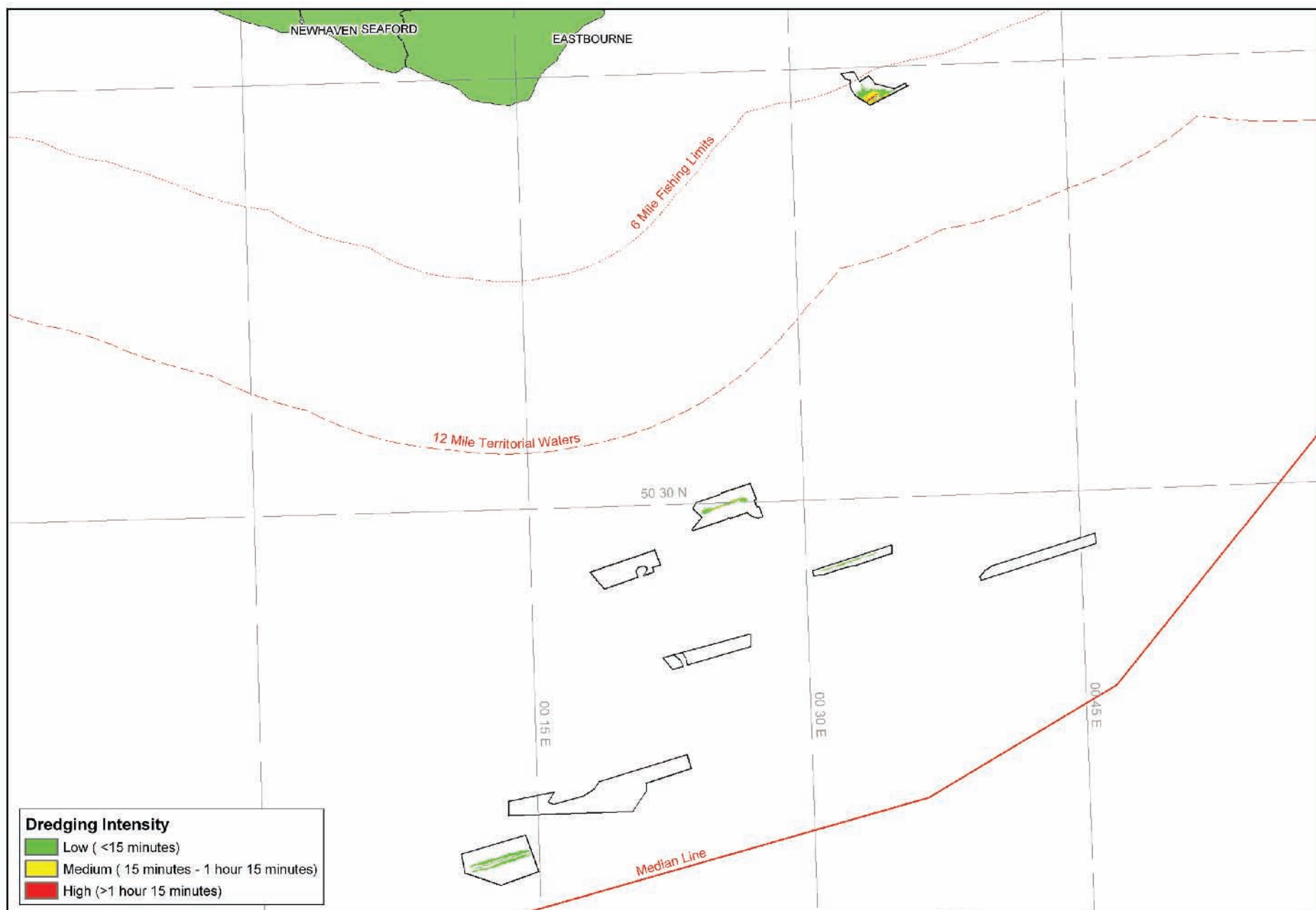
Area of seabed licensed and dredged



Area of seabed licensed and surrendered



Note: East English Channel is a new region which came into effect this year. The Hastings Bank licence, which was in the past treated as being in the South Coast region has been incorporated into this region. Figures for Hastings Bank have been removed from the South Coast Area statistics and retrospectively added to the East English Channel figures



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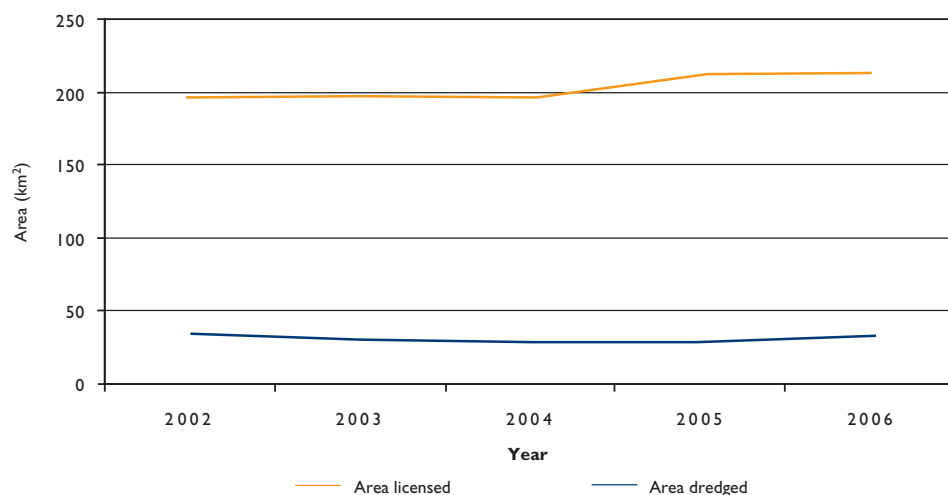
## Background

- the South Coast region has 18 production licences, operated by CEMEX UK Marine Ltd, Hanson Aggregates Marine Ltd, Kendall Bros (Portsmouth) Ltd, Northwood (Fareham) Ltd, United Marine Dredging Ltd, Volker Dredging Ltd and Westminster Gravels Ltd for sand and gravel, principally for use in the construction industry
- during 2006, 5.78 million tonnes of aggregate were dredged from a permitted licensed tonnage of 11.13 million
- of the total marine aggregate dredged from the South Coast region, 2.73 million tonnes were landed at wharves along the South Coast, and 1.42 million tonnes were landed elsewhere in England. 0.98 million tonnes were landed at wharves in mainland Europe and 0.65 million tonnes were specifically dredged for beach nourishment schemes

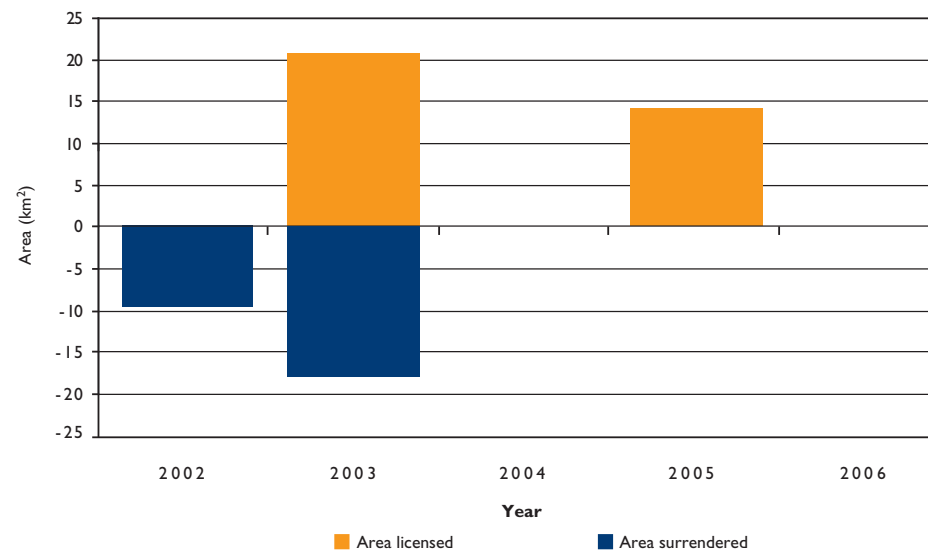
## Regional statistics

- the licensed area in the South Coast region was 211.89 km<sup>2</sup>
- the total area actually available to be dredged within the South Coast region during 2006 was 95.34 km<sup>2</sup>
- dredging took place from within 31.93 km<sup>2</sup>, 15.07 % of the licensed area
- high intensity dredging (greater than 1 hour 15 minutes) is equal to 2.54 km<sup>2</sup>, representing 56.88 % of regional dredging activity
- 90 % of regional dredging effort took place from 11.56 km<sup>2</sup>
- during the period 2006, the area licensed for marine aggregate extraction within the South Coast region remained unchanged

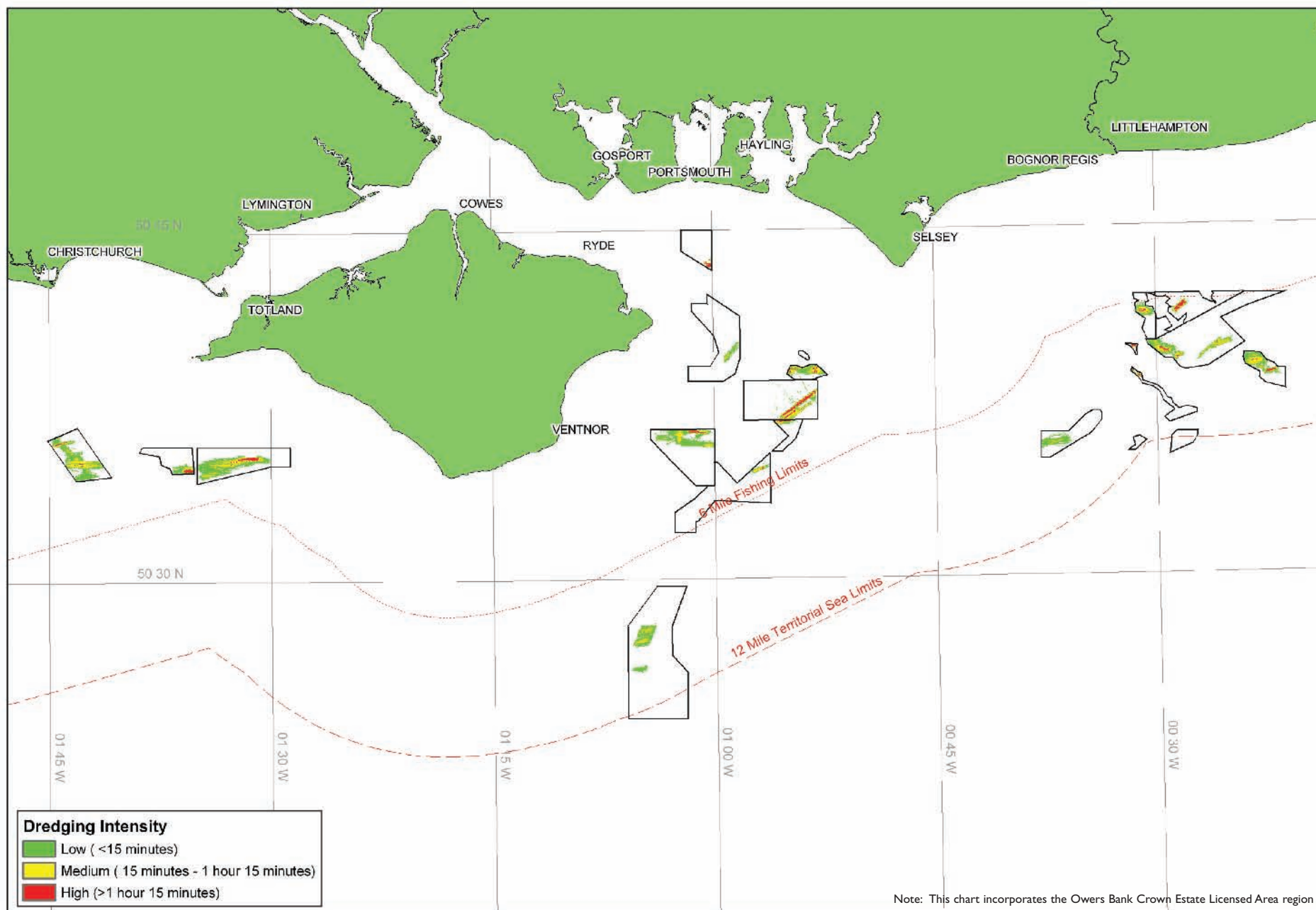
Area of seabed licensed and dredged



Area of seabed licensed and surrendered



Note: Figures for Hastings Bank have been removed from the South Coast Area statistics and retrospectively added to the East English Channel figures



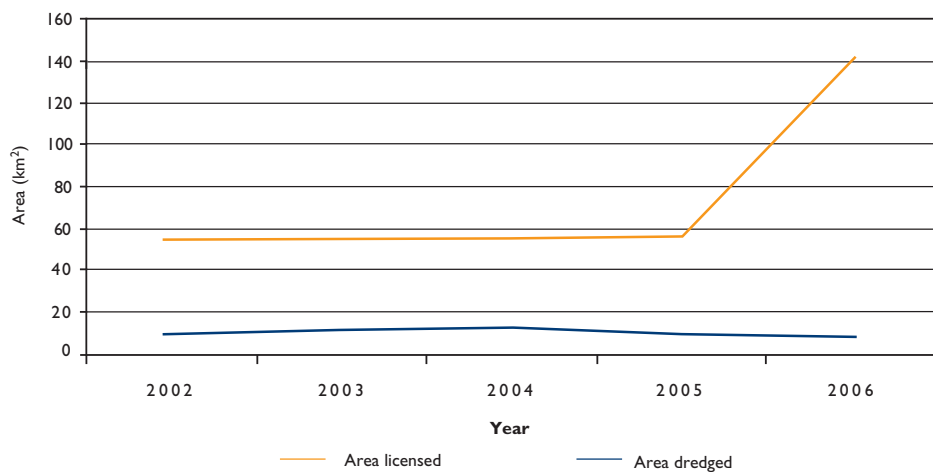
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## Background

- the South West region has 11 production licences, operated by British Dredging Ltd, Hanson Aggregates Marine Ltd, Llanelli Sand Dredging Ltd and United Marine Dredging Ltd for sand, principally for use in the construction industry
- during 2006, 1.55 million tonnes of aggregate were dredged from a permitted licensed tonnage of 2.62 million
- of the aggregate dredged in the South West region only approximately 1000 tonnes were landed in wharves outside the region (in the North West)

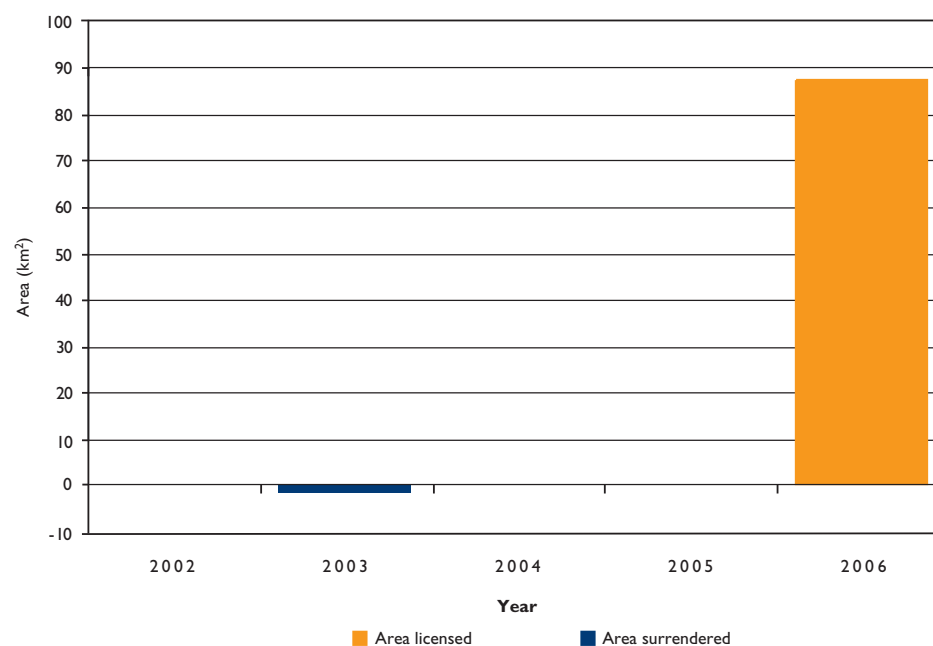
Area of seabed licensed and dredged



## Regional statistics

- the licensed area in the South West region was 141.11 km²
- the total area actually available to be dredged within the South West region during 2006 was 55.45 km²
- dredging took place within 8.34 km², 5.91 % of the licensed area
- high intensity dredging (greater than 1 hour 15 minutes) is equal to 0.97 km², representing 63.48 % of regional dredging activity
- 90 % of regional dredging effort took place from 2.74 km²
- during the period 2006, the area licensed for marine aggregate extraction in the South West increased by 86.70 km²

Area of seabed licensed and surrendered





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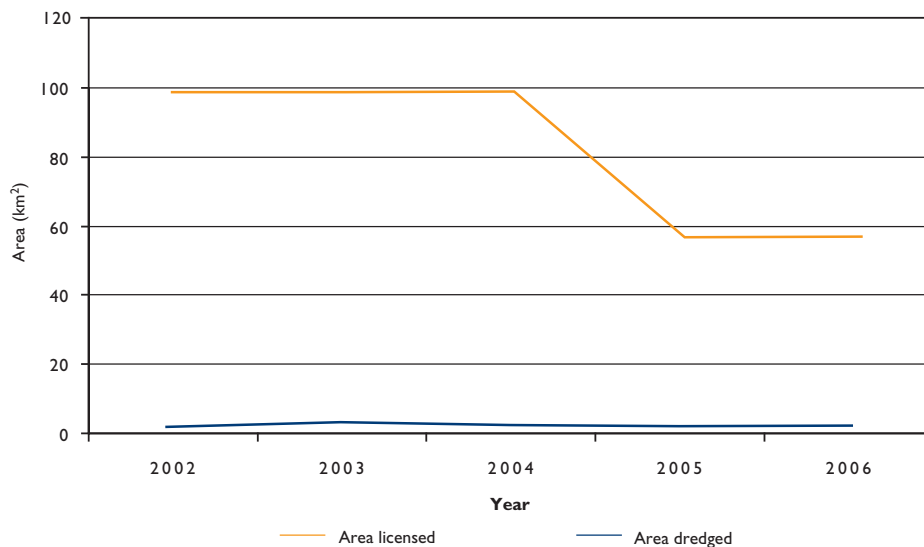
## Background

- the North West region has 7 production licences, operated by CEMEX UK Marine Ltd, CEMEX UK Materials Ltd, Norwest Sand and Ballast Co. and United Marine Dredging Ltd for sand, principally for use in the construction industry
- during 2006, 0.61 million tonnes of aggregate were dredged from a permitted tonnage of 1.38 million
- of the aggregate dredged in the North West region only 0.03 million tonnes were landed in wharves outside of the region (in the South West)

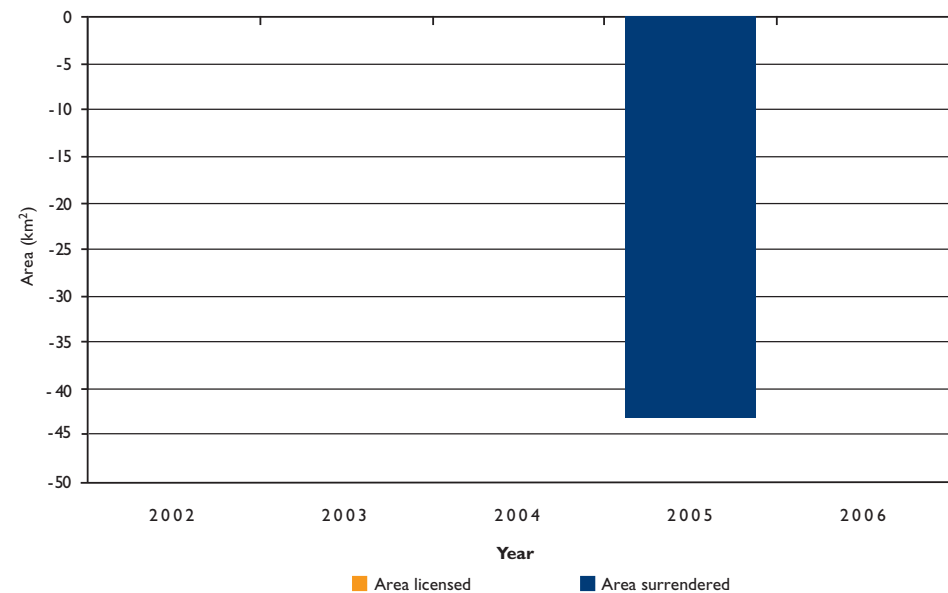
## Regional statistics

- the licensed area in the North West was 54.95 km<sup>2</sup>
- the total area actually available to be dredged within the North West region during 2006 was 19.96 km<sup>2</sup>
- dredging took place within 1.24 km<sup>2</sup>, 2.26 % of the licensed area
- high intensity dredging (greater than 1 hour 15 minutes) is equal to 0.31 km<sup>2</sup>, representing 90.05 % of regional dredging activity
- 90 % of regional dredging effort took place within 0.31 km<sup>2</sup>
- during the period 2006, the area licensed for marine aggregate extraction remained unchanged

Area of seabed licensed and dredged



Area of seabed licensed and surrendered





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