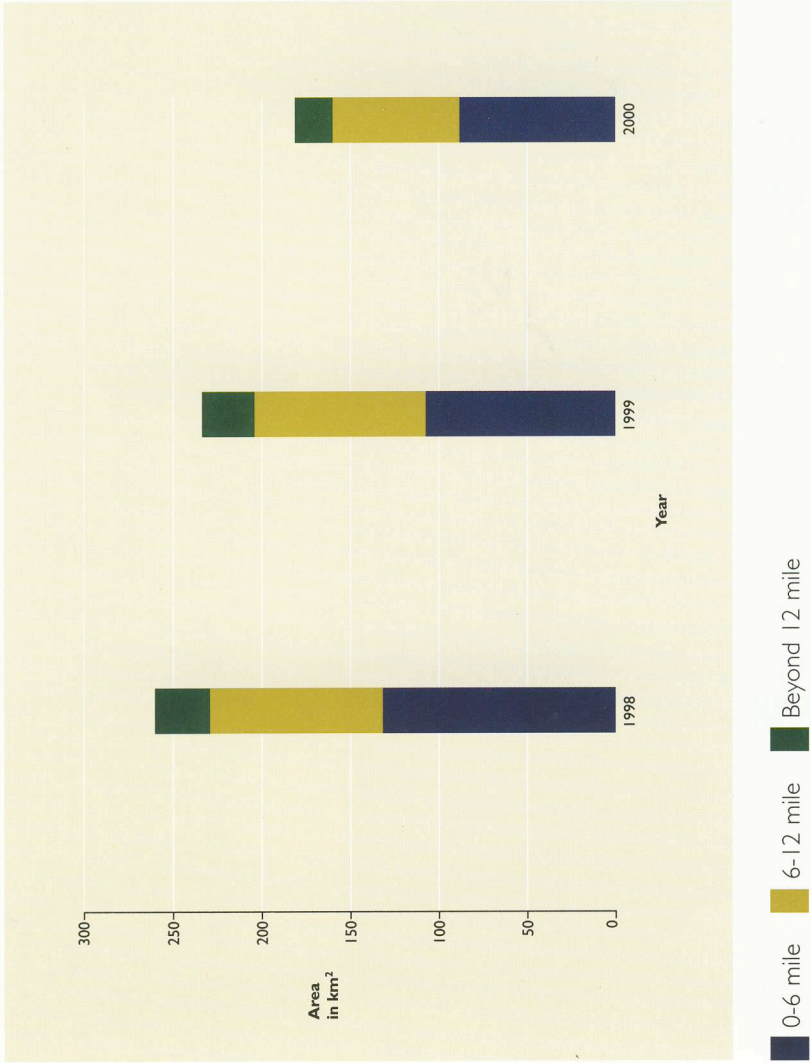


Area of Seabed Dredged in 2000

- This information has been derived from records of dredging activity off England & Wales, through analysis of the Electronic Monitoring System (EMS). EMS records are required from all vessels operating on Crown Estate licences.
- The Crown Estate and BMAPA have undertaken annual reviews of licence area, since the original joint statement of intent was issued in 1999 and will continue to do so.

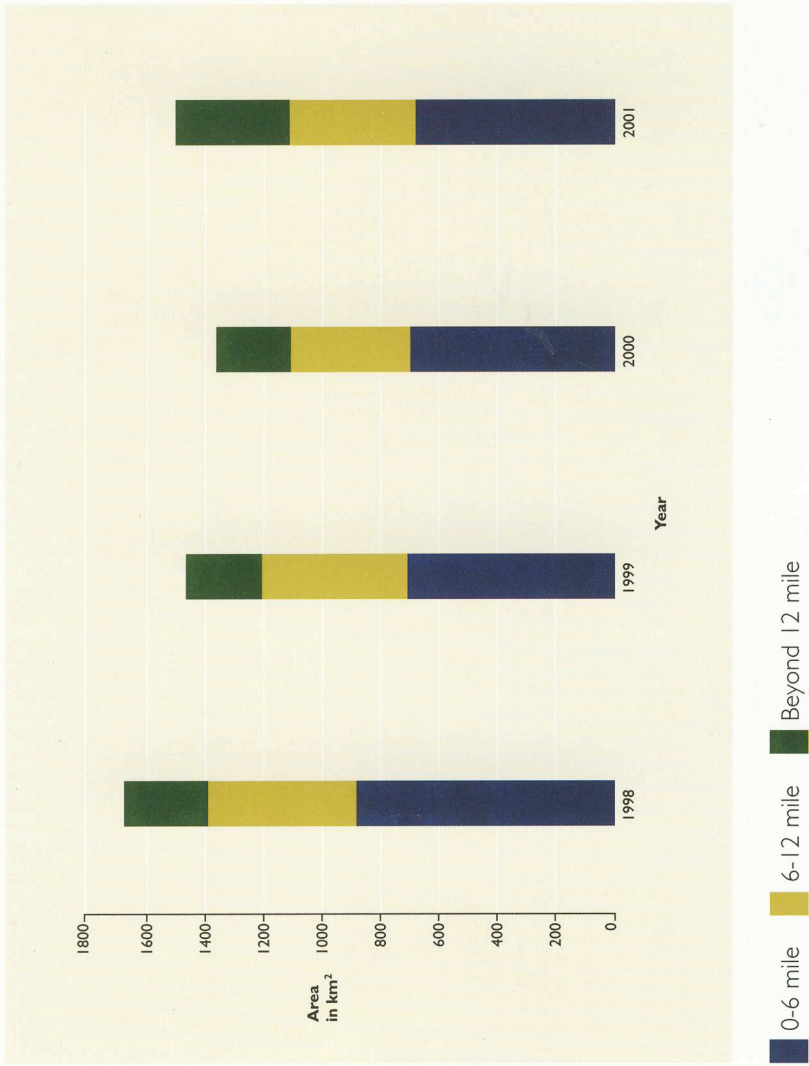


Area of seabed dredged (km²) in 2000

Year	1998	1999	2000	Change 99/00	% change
0-6 mile	136	112	88	-24	-21
6-12 mile	96	94	71	-23	-24
Beyond 12 mile	26	32	20	-12	-38
Total	258	238	179	-59	-25

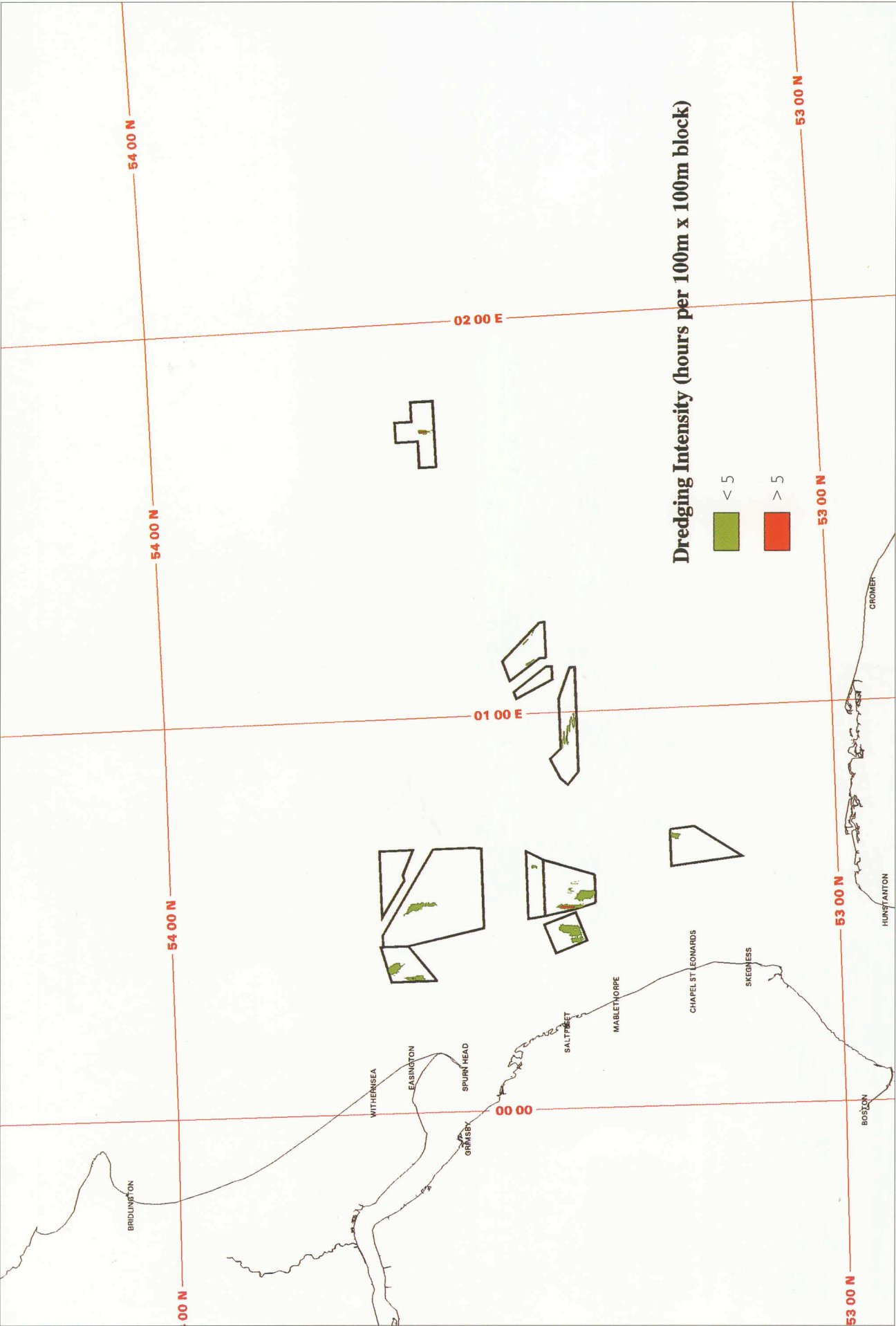
Area of Seabed Licensed in 2000

- This information has been derived from the Crown Estate offshore Geographical Information System (GIS), and illustrates the total area of seabed off England & Wales licensed by the Crown Estate for marine aggregate dredging at the beginning of each calendar year.



Area of seabed licensed (km²) in 2000

Year	01/01/98	01/01/99	01/01/00	01/01/01	Change 00/01	% Change
0-6 mile	875	704	695	663	-32	-5
6-12 mile	514	504	420	454	34	8
Beyond 12 mile	273	259	256	389	133	52
Total	1662	1467	1371	1506	135	10



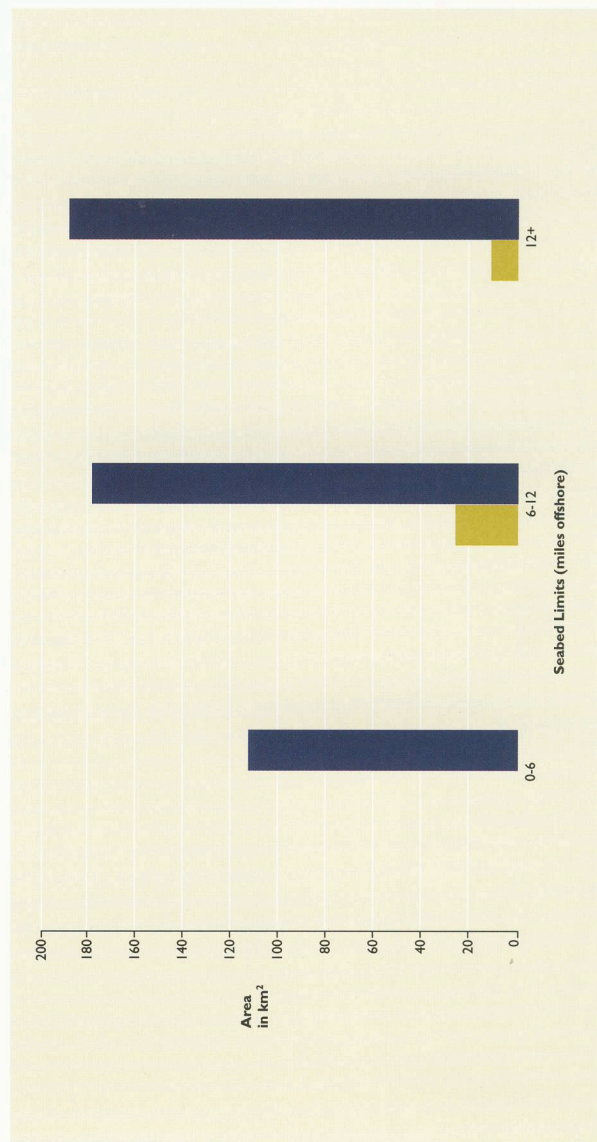
Extracted from British Admiralty Charts with the permission of the Controller HM Stationary Office.
Positions are referred to Ordnance Survey Great Britain Datum (1936) Datum. Not to be used for navigation purposes.

The Humber Region

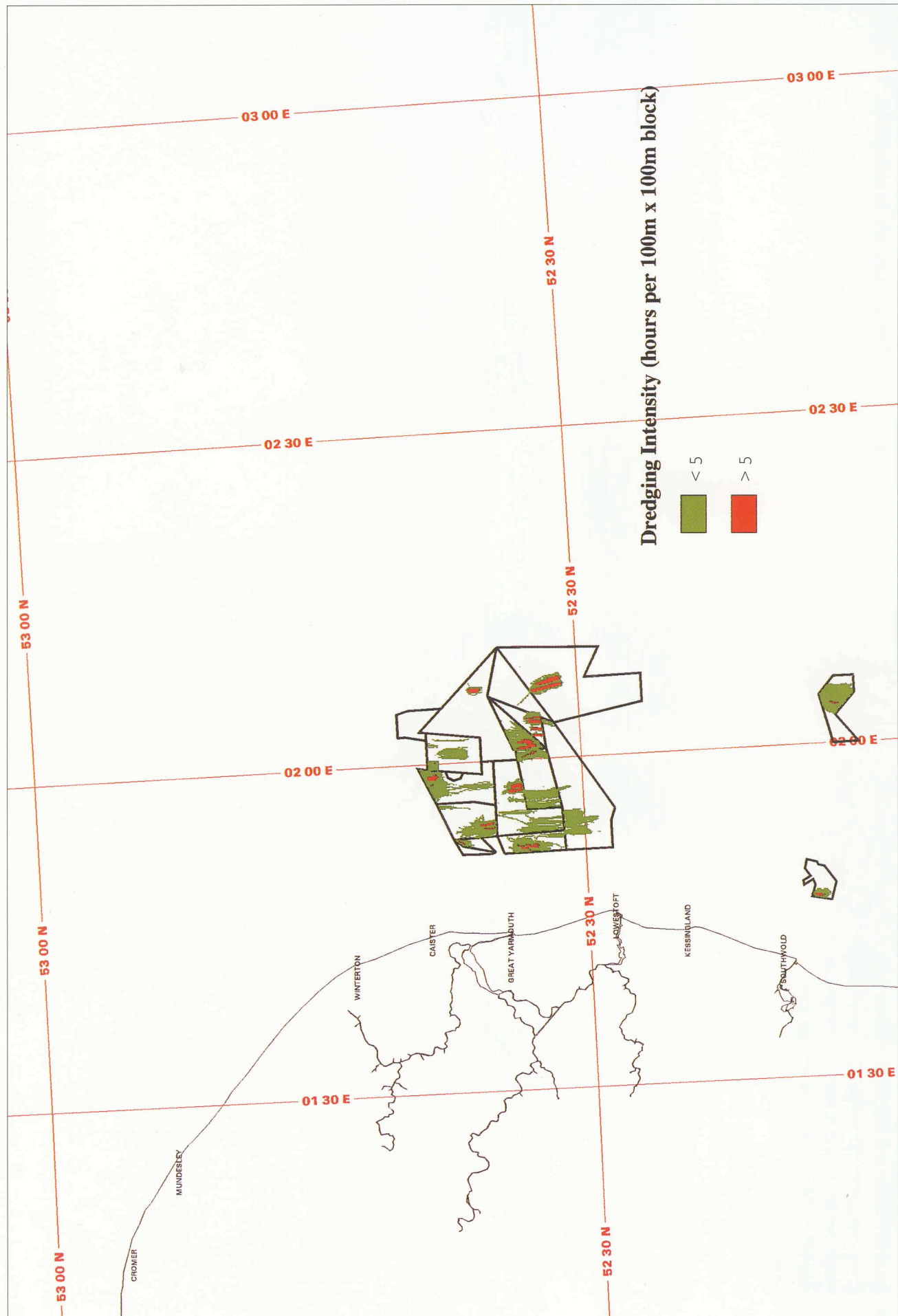
- The area dredged and area licensed information for the Humber region shows that although a total of 478.39 km² was licensed for dredging at the start of 2000, dredging activity only took place within 33.11 km².
- Of the area dredged, >5 hours dredging intensity/year took place from 0.9 km². This represents 93% of annual dredging activity in the region.
- During 2000, the Crown Estate issued new licence area totalling 100.53 km² in the Humber region, after Government View permissions were issued by the Department of the Environment, Transport and the Regions (DETR).

Seabed Limits	Dredged Area in km ²	Licensed Area in km ²
0-6	0	111.16
6-12	22.13	179.60
12+	10.98	187.63
Total	33.11	478.39

Area of Seabed Dredged Against Area of Seabed Licensed



- The region has 8 Crown Estate licences, operated by British Dredging Ltd, Hanson Aggregates Marine Ltd, South Coast Shipping Co. Ltd, United Marine Dredging Ltd and Westminster Gravels Ltd.
- Licences within this region are dredged for both sand and gravel, with the aggregate principally used in the construction industry.
- During 2000, 3.81 million tonnes of aggregate was dredged of a maximum permitted 4.65 million tonnes.
- The aggregate is landed at wharves in the north-east, located on the Tyne, Tees and Humber rivers and the Thames Estuary. A proportion of the aggregate dredged is also exported to continental Europe.
- Marine-dredged sand and gravel fulfils an increasingly important role supplying ongoing coast protection and beach replenishment projects in the north-east region.



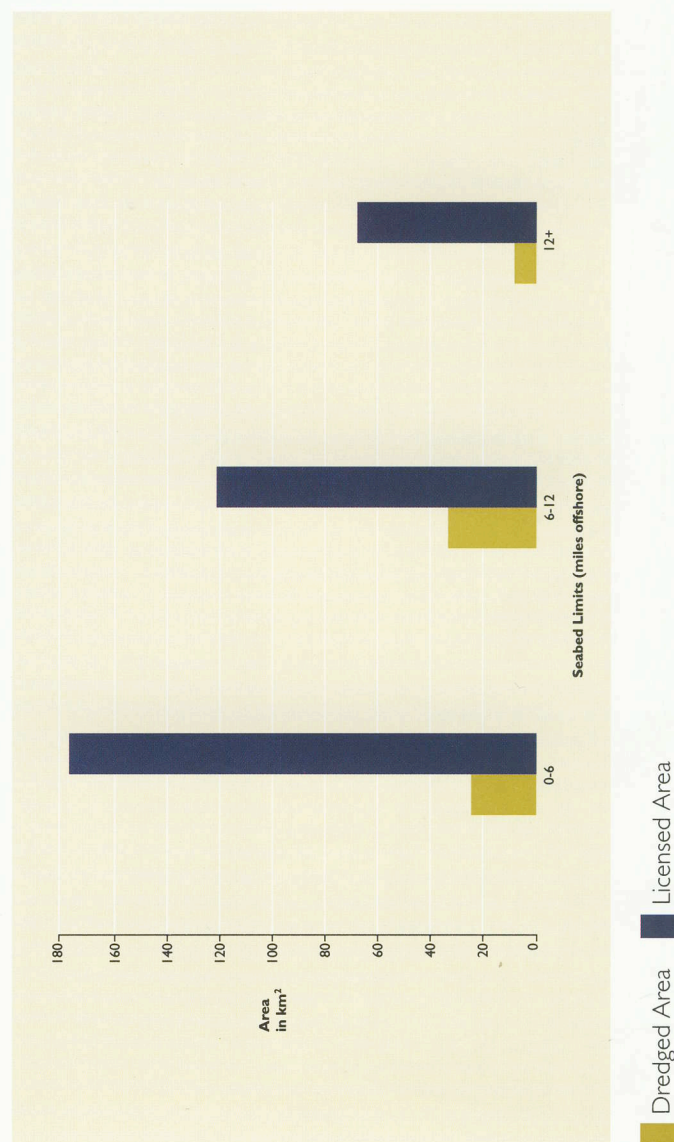
The East Coast Region

- The area dredged and area licensed information for the East Coast region shows that although a total of 361.68 km² was licensed for dredging at the start of 2000, dredging activity only took place within 62.68 km².
- Of the area dredged, >5 hours dredging intensity/year took place from 5.93 km². This represents 97% of annual dredging activity in the region.
- During 2000, the area licensed for marine aggregate extraction within the East Coast region remained unchanged.

Seabed Limits	Dredged Area in km ²	Licensed Area in km ²
0-6	23.98	173.53
6-12	31.30	121.30
12+	7.40	66.85
Total	62.68	361.68

- The region has 16 Crown Estate licences, operated by British Dredging Ltd, Hanson Aggregates Marine Ltd, South Coast Shipping Co. Ltd, United Marine Dredging Ltd and Volker Dredging Ltd.
- Licences within this region are dredged for both sand and gravel, with the aggregate principally used in the construction industry.
- During 2000, 10.54 million tonnes of aggregate was dredged of a maximum permitted 12.57 million tonnes.
- The aggregate is landed at wharves in the Thames Estuary and at Ipswich. A proportion of the aggregate dredged is also exported to continental Europe.
- Marine-dredged sand and gravel fulfils an increasingly important role supplying ongoing coast protection and beach replenishment projects along the East Coast region.

Area of Seabed Dredged Against Area of Seabed Licensed

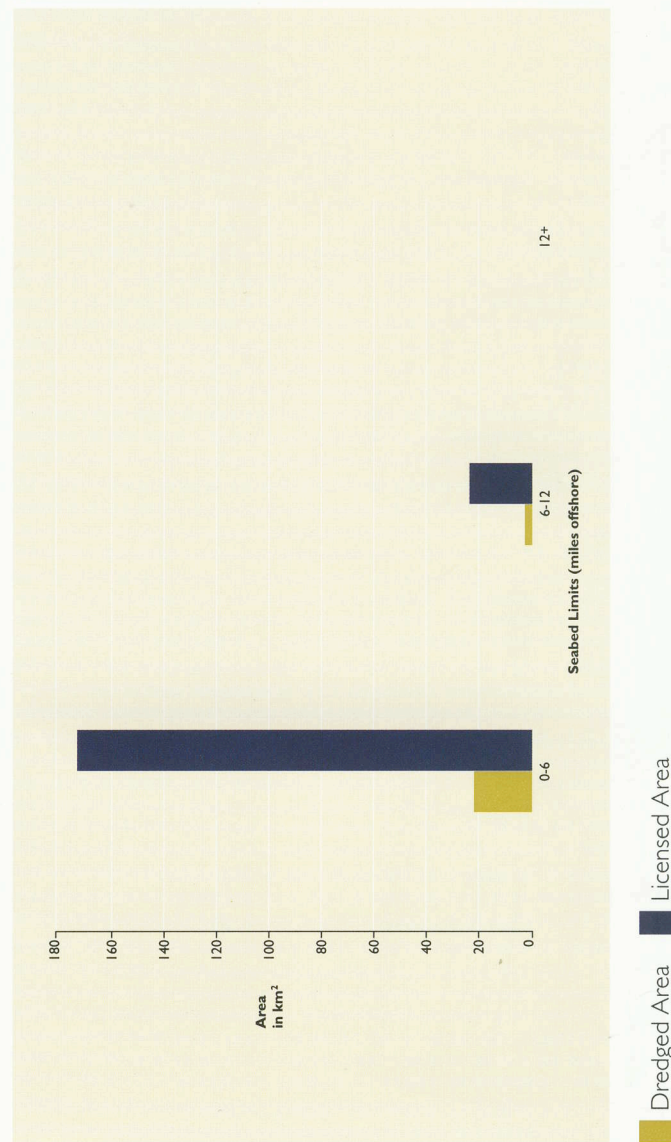


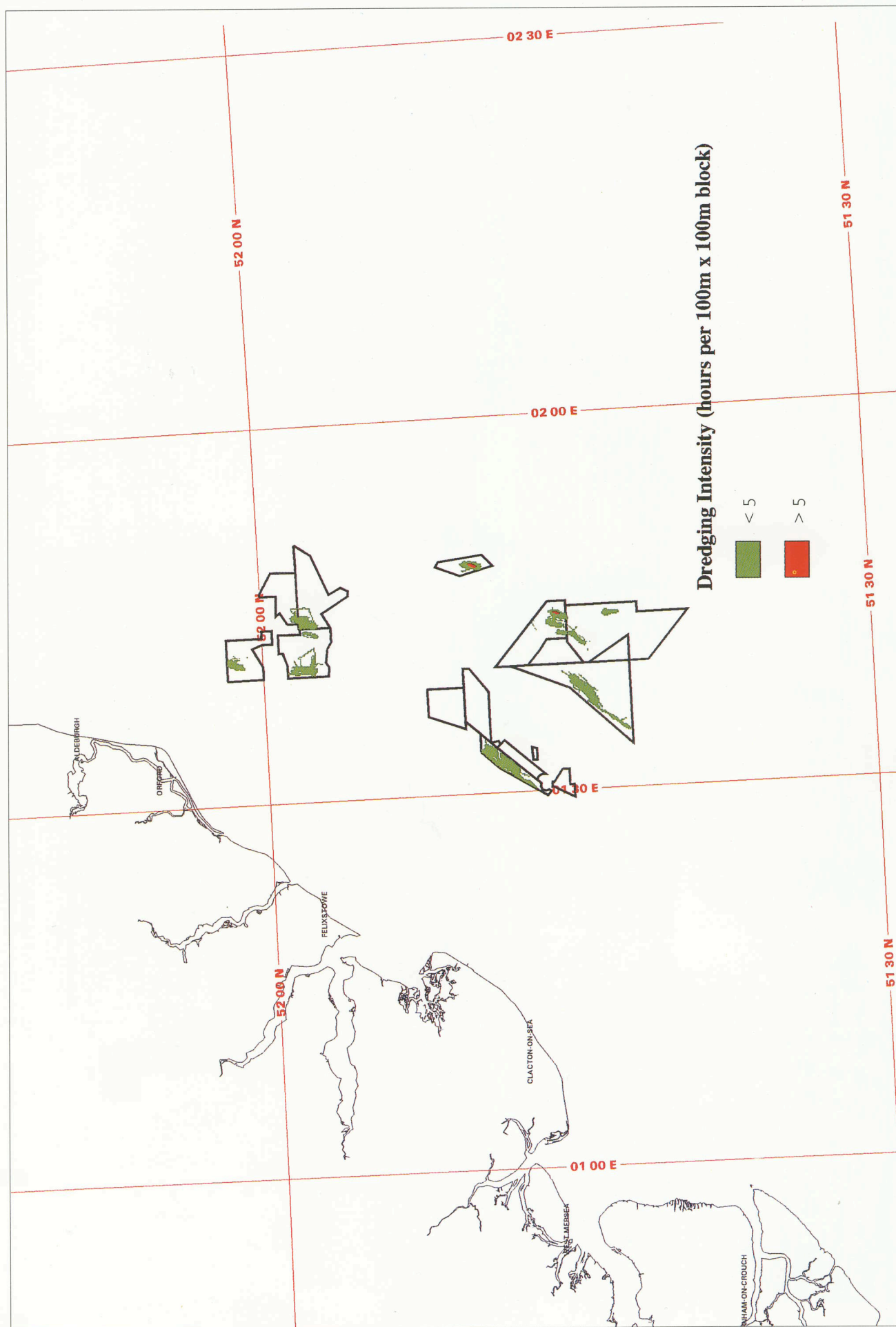
The Thames Region

- The area dredged and area licensed information for the Thames region shows that although a total of 194.37 km² was licensed for dredging at the start of 2000, dredging activity only took place within 24.16 km².
 - Of the area dredged, >5 hours dredging intensity/year took place from 0.3 km². This represents 57% of annual dredging activity in the region.
 - During 2000, the area licensed for marine aggregate extraction within the Thames region decreased, with a total of 4.07 km² of licence area relinquished.
- The region has 11 Crown Estate licences, operated by Britannia Aggregates Ltd, British Dredging Ltd, Hanson Aggregates Marine Ltd, South Coast Shipping Co. Ltd and United Marine Dredging Ltd.
 - Licences within this region are dredged for both sand and gravel, with the aggregate principally used in the construction industry.
 - During 2000, 0.85 million tonnes of aggregate was dredged of a maximum permitted 3.8 million tonnes.
 - The aggregate is landed at wharves in the Thames Estuary. A proportion of the aggregate dredged is also exported to continental Europe.
 - In addition, there is a potential for marine-dredged sand to fulfil an increasingly important role supplying coast protection and beach replenishment projects in the Thames region.

Seabed Limits	Dredged Area in km ²	Licensed Area in km ²
0-6	20.87	172.28
6-12	3.29	22.09
12+	0	0
Total	24.16	194.37

Area of Seabed Dredged Against Area of Seabed Licensed



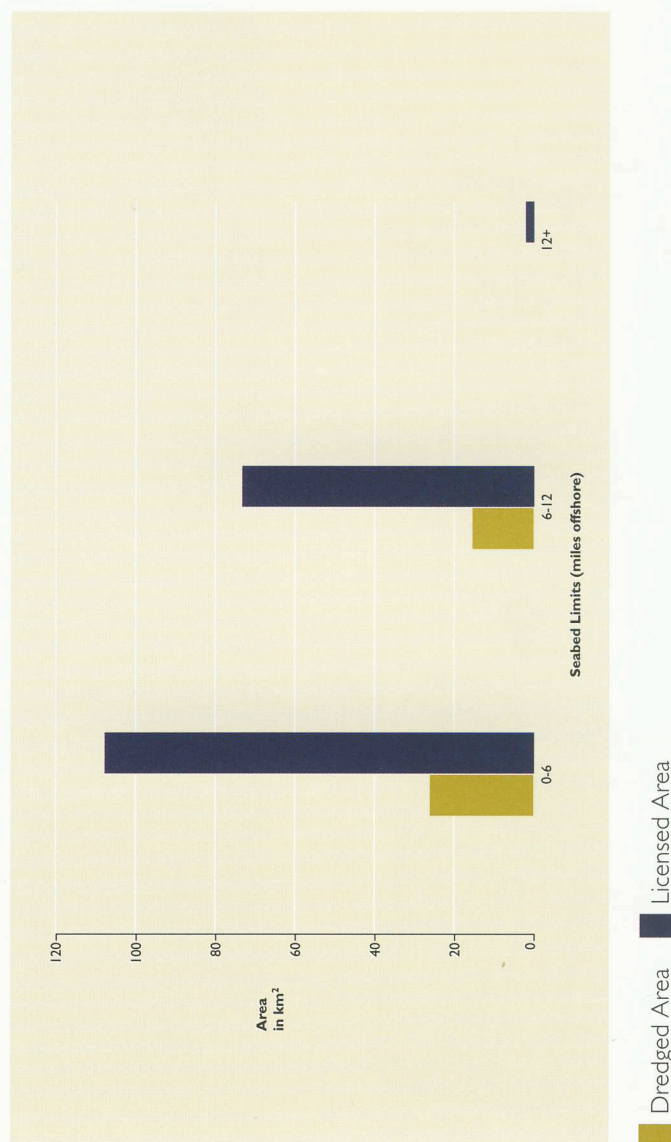


The South Coast Region

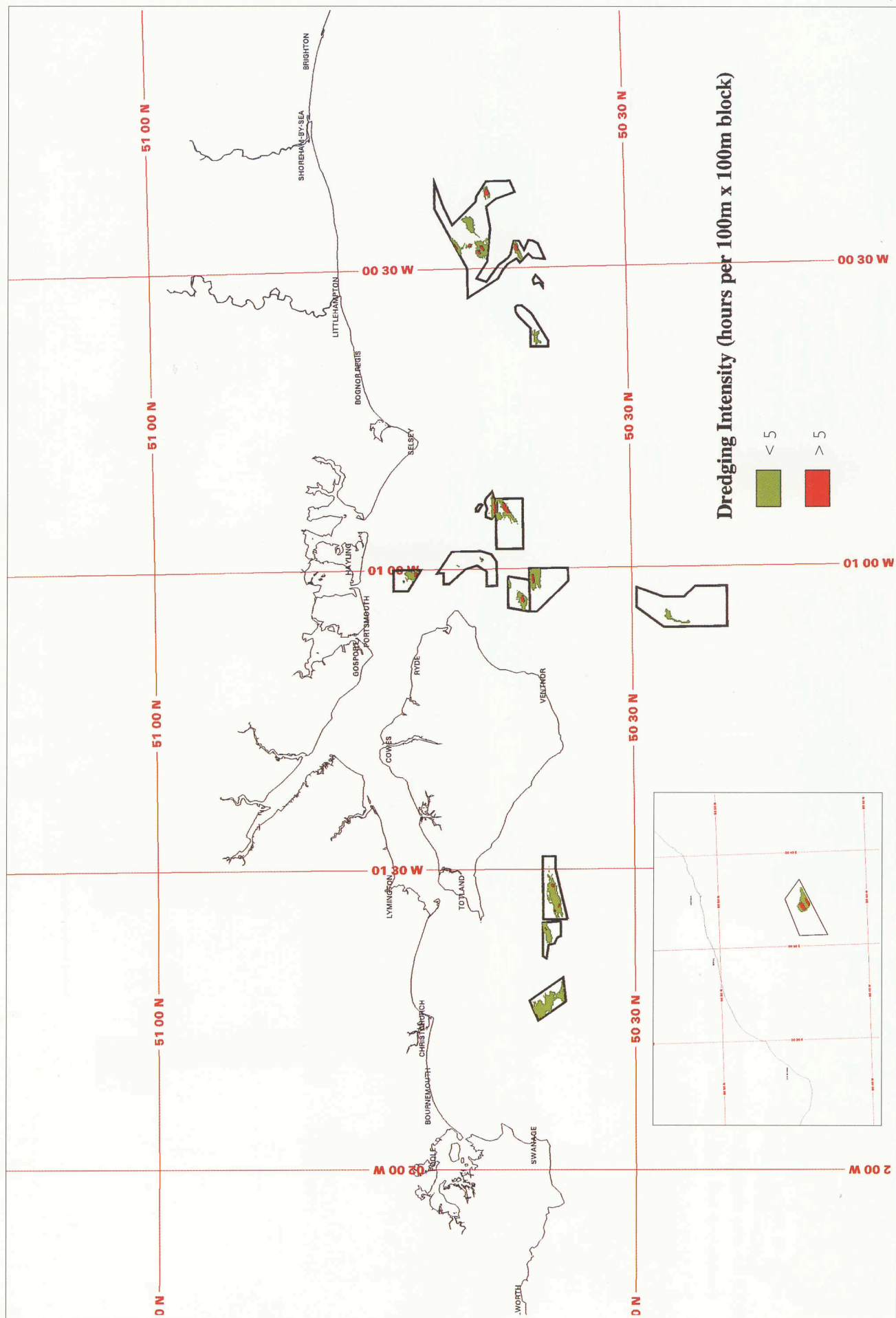
- The area dredged and area licensed information for the South Coast region shows that although a total of 183.45 km² was licensed for dredging at the start of 2000, dredging activity only took place within 41.13 km².
- Of the area dredged, >5 hours dredging intensity/year took place from 3.25 km². This represents 91% of annual dredging activity in the region.
- During 2000, the Crown Estate issued a licence area totalling 40.78 km² in the South Coast region, after a Government View permission was issued by the Department of the Environment, Transport and the regions (DETR).

Seabed Limits	Dredged Area in km ²	Licensed Area in km ²
0-6	26.22	108.25
6-12	14.91	73.50
12+	0	1.70
Total	41.13	183.45

Area of Seabed Dredged Against Area of Seabed Licensed



- The region has 21 Crown Estate licences, operated by British Dredging Ltd, Hanson Aggregates Marine Ltd, Kendall Bros. (Portsmouth) Ltd, Northwood (Fareham) Ltd, South Coast Shipping Co. Ltd, United Marine Dredging Ltd and Volker Dredging Ltd.
- Licences within this region are dredged for sand and gravel, with the aggregate principally used in the construction industry.
- During 2000, 5.69 million tonnes of aggregate was dredged of a maximum permitted 11.87 million tonnes.
- The aggregate is landed at wharves along the South Coast and in the Thames Estuary. A proportion of the aggregate dredged is also exported to continental Europe.
- Marine-dredged sand and gravel fulfils an increasingly important role supplying ongoing coast protection along the South Coast.



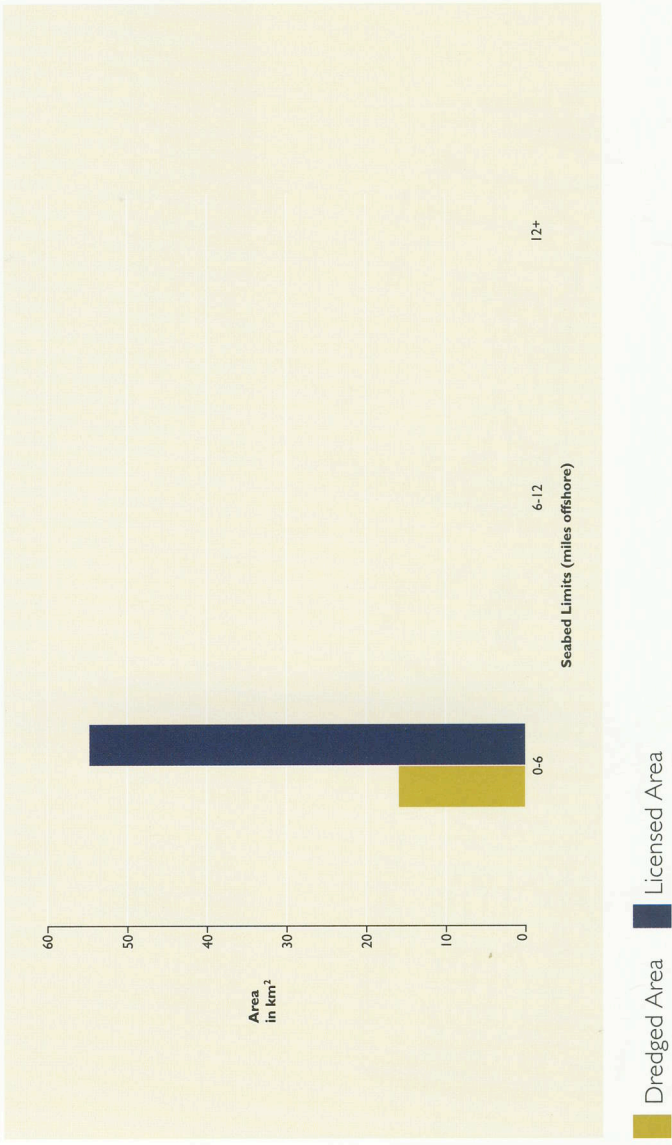
The South West Region

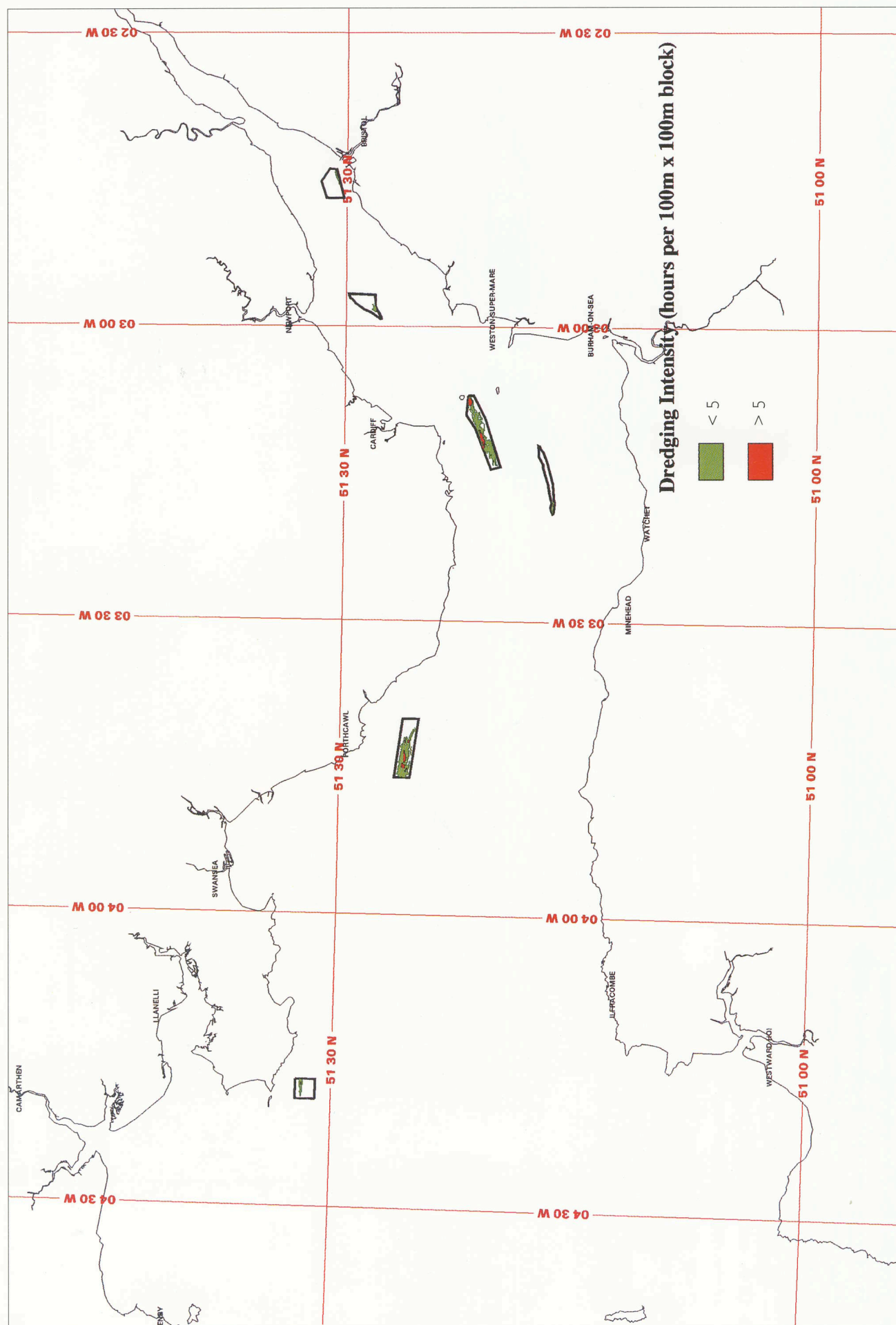
- The region has 11 Crown Estate licences, operated by British Dredging Ltd, Hanson Aggregates Marine Ltd, Llanelli Sand Dredging Ltd and United Marine Dredging Ltd.
- Licences within this region are dredged for sand, with the aggregate almost exclusively used in the local construction industry.
- During 2000, 1.79 million tonnes of aggregate was dredged of a maximum permitted 4.44 million tonnes. Of this, 0.19 million tonnes was dredged for contract fill.
- All of the sand dredged is landed within the South West region, with wharves located along both sides of the Bristol Channel.
- In addition, there is a potential for marine-dredged sand and gravel to fulfil an increasingly important role supplying coast protection and beach replenishment projects in the South West region.

Seabed Limits	Dredged Area in km ²	Licensed Area in km ²
0-6	16.47	54.91
6-12	0	0
12+	0	0
Total	16.47	54.91

- The area dredged and area licensed information for the South West region shows that although a total of 54.91 km² was licensed for dredging at the start of 2000, dredging activity only took place within 16.47 km².
- Of the area dredged, >5 hours dredging intensity/year took place from 1.35 km². This represents 96% of annual dredging activity in the region.
- During 2000, no new licence areas were issued in the South West region, and a total of 2.57 km² of existing licence area was relinquished.

Area of Seabed Dredged Against Area of Seabed Licensed







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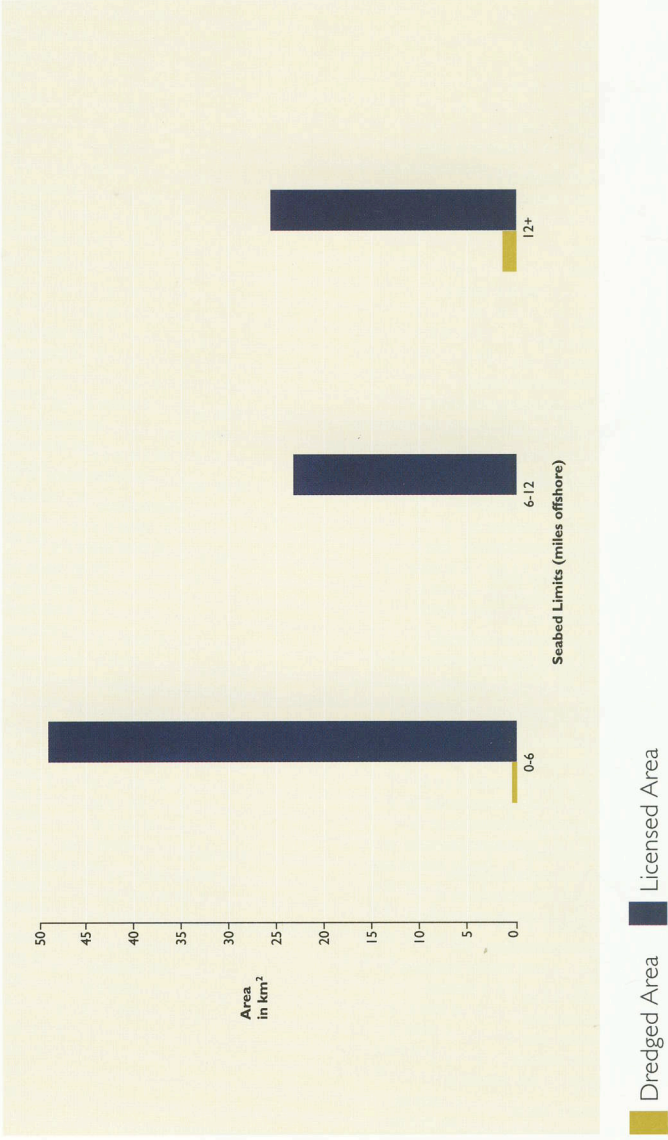
The North West Region

- The region has 7 Crown Estate licences, operated by Norwest Sand and Ballast Co. RMC Aggregates (North West) Ltd, South Coast Shipping Co. Ltd and United Marine Dredging Ltd.
- Licences within this region are dredged for sand and gravel, with the aggregate principally used in the local construction industry.
- During 2000, 0.31 million tonnes of aggregate was dredged of a maximum permitted 1.38 million tonnes.
- The aggregate is landed at wharves in the North West of England and Wales.
- In addition, there is a potential for marine dredged sand and gravel to fulfil an increasingly important role supplying coast protection and beach replenishment projects in the North West region.

Seabed Limits	Dredged Area in km²	Licensed Area in km²
0-6	0.64	49.41
6-12	0	23.00
12+	1.76	25.50
Total	2.4	97.91

- The area dredged and area licensed information for the North West region shows that although a total of 97.91 km² was licensed for dredging at the start of 2000, dredging activity only took place within 2.4 km².
- Of the area dredged, >5 hours dredging intensity/year took place from 0.16 km². This represents 78% of annual dredging activity in the region.
- During 2000, the area licensed for marine aggregate extraction within the North West region remained unchanged.

Area of Seabed Dredged Against Area of Seabed Licensed



MARINE AGGREGATE DREDGING

THE AREA INVOLVED - 3rd ANNUAL REPORT

The objective of this report, prepared jointly by the Crown Estate and BMAPA, is to provide information about the area of seabed licensed and the area of seabed dredged on an annual basis. This reflects the open approach taken by both organisations in promoting responsible stewardship and management.

As this is an ongoing initiative, the format and content of each annual report has evolved, in response to developments in the analysis and presentation of the data, and comments made by readers.

In order to ensure this occurs in the fourth annual report, we would value your comments on the items below:

Name:

Organisation:

Content of Report:

Presentation of information:

What could be improved:

General comments:

If you would like to make any more general observations about the style and content of the third annual report, and in particular how this could be improved, we would welcome your input.

Please return completed forms to:

British Marine Aggregate Producers Association, 156 Buckingham Palace Road, London SW1W 9TR. Or Email: bmapa@qpa.org