

From: [Peter Riches](#)
To: [Tilbury2](#)
Subject: Tilbury2 ExQ1 - Qn 1.14.5
Date: 06 March 2018 08:18:12
Attachments:

Sirs

I am agent for The Crown Estate's ownership of the tidal River Thames. Please find attached information in the public domain which addresses your question 1.14.5. I have provided the last 5 years published data (this has been publically available on our website). The import totals have increased during the period, due mainly to changes in market demand. The only new wharf that has been developed in the reporting time period is Cemex at Dagenham. 2017 statistics have not been published yet – they will be available within a month.

Peter Riches



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The Crown Estate in Norfolk, Suffolk, Essex and
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MARINE AGGREGATES

THE CROWN ESTATE LICENCES

SUMMARY OF STATISTICS 2012

INDEX

	Page	Confidentiality Rating
Accompanying Notes	1	NC
Summary 2012	2	NC
Summary of Regional Landing Statistics	3-11	NC
Summary of National Landing Statistics	12-13	NC
Official Port Listings	14-15	NC

NC Non confidential

ACCOMPANYING NOTES

1. These statistics refer to removal of sand and gravel from the bed of the English and Welsh Territorial Sea and Continental Shelf, under licence from The Crown Estate Commissioners. Removals from areas not in The Crown Estate ownership are not included in these statistics, nor are dredged materials removed purely for navigational reasons and not used beneficially.
2. All the statistics relate to royalty returns for the 2012 calendar year.
3. All permitted and actual extraction figures are expressed in metric tonnes. A conversion factor of 1.73 and 1.66 as appropriate for aggregate, and 1.5 for sand, has been applied where necessary to convert cubic metres to metric tonnes.
4. The reported permitted removal tonnage shown within this report refers to the tonnage permitted within The Crown Estate production licences and not to the temporary restricted tonnages in place, during the transitional / Short Term Marine Licence period imposed by MMO or Welsh Government. This is correct as at 31 December 2012.
5. The regional landing statistics totals will not equate to the amount dredged from each region due to the presence of the export market, and movement of aggregate to meet differing home market demands.
6. An Official Port Listing is included (pages 14-15) which illustrates the individual landing locations (current and historic) and the standard name used within this document.
7. Sand and gravel extracted for beach nourishment or reclamation fill is placed / discharged at the project site and results in a varying loss of material. We present both the extracted tonnages and the landed tonnages, utilised in these projects.

Summary 2012

1. REGIONAL DREDGING STATISTICS

Licences to Dredge Marine Minerals

Dredging Area	Permitted Removal *1	Primary Aggregates Licences	Rivers and Miscellaneous	Secondary Aggregates *2		Total Removal
				Beach Nourishment	Reclamation Fill	
Humber	4,800,000	1,451,742	-	858,091	-	2,309,833
East Coast	10,800,000	3,564,464	-	-	-	3,564,464
Thames Estuary	1,750,000	1,090,559	-	-	-	1,090,559
East English Channel	7,800,000	3,553,379	-	210,806	-	3,764,185
South Coast	8,700,000	3,629,352	-	731,166	-	4,360,518
South West	3,099,900	1,067,526	-	-	-	1,067,526
North West	1,425,000	285,368	-	-	349,900	635,268
Total	38,374,900	14,642,390	-	1,800,063	349,900	16,792,353

2. REGIONAL LANDING STATISTICS

Humber	537,975
East Coast	83,865
Thames Estuary	5,638,506
East English Channel	178,729
South Coast	2,301,746
South West	1,075,174
North West	277,720
Export	4,548,675
Primary Aggregates Total	14,642,390
Beach Nourishment / Reclamation Fill *3	1,665,930
TOTAL LANDED	16,308,320

3. NATIONAL LANDING STATISTICS - PRIMARY AGGREGATES

England	9,384,357
Wales	709,358
Belgium	1,326,203
France	1,192,597
Netherlands	2,029,875

Primary Aggregates Total 14,642,390

*1 Relates to Average Annual Tonnages (total tonnage / term) and refer to accompanying note 4 re Restricted Tonnage. This does not include specific permitted tonnages for Secondary Aggregates only.

*2 Dredged Totals, not Landed Totals - Refer to Accompanying Note 7 re Beach Nourishment and Reclamation Fill Tonnage

*3 Landed Totals, not Dredged Totals - Refer to Accompanying Note 7 re Beach Nourishment and Reclamation Fill Tonnage

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2012**

LANDING LOCATIONS

TONNAGES

HUMBER

Blyth	11,156
River Humber Wharves	90,194
River Tees Wharves	99,452
River Tyne Wharves	337,173
Humber Total	----- 537,975

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2012**

LANDING LOCATIONS

TONNAGES

EAST COAST

Ipswich

83,865

East Coast Total

83,865

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2012**

LANDING LOCATIONS

TONNAGES

THAMES ESTUARY

Cliffe	166,028
Dagenham	910,537
Denton	549,542
Erith	184,154
Greenhithe	287,183
Greenwich Wharves	2,257,341
Northfleet	712,479
River Medway & Swale Wharves	321,533
Thurrock	249,709

Thames Estuary Total	5,638,506

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2012**

LANDING LOCATIONS

TONNAGES

EAST ENGLISH CHANNEL

Dover	100,038
Newhaven	78,691
East English Channel Total	----- 178,729

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2012**

LANDING LOCATIONS

TONNAGES

SOUTH COAST

Cowes	79,547
Langstone Harbour Wharves	337,720
Poole	94,946
Shoreham Harbour Wharves	1,052,976
Southampton Wharves	736,557
South Coast Total	2,301,746

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2012**

LANDING LOCATIONS	TONNAGES
SOUTH WEST	
Appledore	34,070
Avonmouth	351,365
Bridgwater	41,636
Burry Port	87,236
Cardiff	201,430
Newport, Wales	165,295
Pembroke	21,037
Port Talbot	5,904
Swansea	166,095
Yelland	1,106
South West Total	----- 1,075,174

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2012**

LANDING LOCATIONS

TONNAGES

NORTH WEST

Barrow	9,831
Liverpool Wharves	205,528
Penrhyn	62,361
North West Total	----- 277,720

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2012**

LANDING LOCATIONS	TONNAGES
EXPORT	
Amsterdam	922,924
Antwerp	402,331
Bruges	274,428
Calais	60,159
Dieppe	17,786
Dunkirk	204,939
Fecamp	49,309
Flushing	772,276
Gent	52,240
Honfleur	36,357
Le Havre	541,245
Le Treport	14,351
Ostend	392,162
River Seine Wharves	268,451
Rotterdam	315,313
Sluiskil	19,362
Zeebrugge	205,042
Export Total	4,548,675

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED SECONDARY AGGREGATES - 2012**

LANDING LOCATIONS	LANDED TONNAGES
BEACH NOURISHMENT / RECLAMATION FILL	
Brighton	4,083
Deal	215,467
Eastbourne	16,518
Lincshore	633,821
Pevensey	13,975
Selsey	472,766
Wellington Dock, Liverpool	309,300
Beach Nourishment / Reclamation Fill Total	----- 1,665,930

**SUMMARY OF NATIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2012**

LANDING LOCATIONS	TONNAGES
ENGLAND	
Appledore	34,070
Avonmouth	351,365
Barrow	9,831
Blyth	11,156
Bridgwater	41,636
Cliffe	166,028
Cowes	79,547
Dagenham	910,537
Denton	549,542
Dover	100,038
Erith	184,154
Greenhithe	287,183
Greenwich Wharves	2,257,341
Ipswich	83,865
Langstone Harbour Wharves	337,720
Liverpool Wharves	205,528
Newhaven	78,691
Northfleet	712,479
Poole	94,946
River Humber Wharves	90,194
River Medway & Swale Wharves	321,533
River Tees Wharves	99,452
River Tyne Wharves	337,173
Shoreham Harbour Wharves	1,052,976
Southampton Wharves	736,557
Thurrock	249,709
Yelland	1,106
England Total	9,384,357

**SUMMARY OF NATIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2012**

LANDING LOCATIONS		TONNAGES
WALES	Burry Port	87,236
	Cardiff	201,430
	Newport, Wales	165,295
	Pembroke	21,037
	Penrhyn	62,361
	Port Talbot	5,904
	Swansea	166,095
	Wales Total	709,358
BELGIUM	Antwerp	402,331
	Bruges	274,428
	Gent	52,240
	Ostend	392,162
	Zeebrugge	205,042
	Belgium Total	1,326,203
FRANCE	Calais	60,159
	Dieppe	17,786
	Dunkirk	204,939
	Fecamp	49,309
	Honfleur	36,357
	Le Havre	541,245
	Le Treport	14,351
	River Seine Wharves	268,451
	France Total	1,192,597
NETHERLANDS	Amsterdam	922,924
	Flushing	772,276
	Rotterdam	315,313
	Sluiskil	19,362
	Netherlands Total	2,029,875
	Total	14,642,390

OFFICIAL PORT LISTING (Current and Historic)

Region	Landing Port (Standard Name)	Wharves/Alternative Names
Humber	Blyth	Blyth
	Immingham	Immingham
	River Humber Wharves	Goole, Grimsby, Howden, Hull, Hull N&Y, Hull Northern Aggregates, Pyewipe, St Andrew's Quay
	River Tees Wharves	Able Tees, Billingham, Middlesborough, Tees, Tees Sand, Terrc-Seaton
	River Tyne Wharves	Gateshead, Jarrow, Tyne
	Sunderland	Hendon, Hendon Dock, Sunderland
East Coast	Ipswich	Hanson/ARC Ipswich, Ipswich
	Lowesoft	Lowestoft
Thames Estuary	Barking	Barking, Docklands Wharf
	Cliffe	Alpha Wharf, Cliffe, North Sea Terminal
	Dagenham	Hanson/ARC Dagenham, Dagenham
	Denton	Denton, Denton B.A.D, Denton Sand
	Erith	Erith, Pioneer Wharf
	Greenhithe	Greenhithe
	Greenwich Wharves	Angerstein, Blackwall Wharf, Charlton, Delta Wharf, Greenwich, Murphy's Wharf, Phoenix Wharf, Victoria Deep Wharf
	London Docklands Wharves (mostly disused)	Canning Town, Cargo Fleet Wharf, Clarence Wharf, East India Dock, Heron Quay, Millwall, Orchard Wharf, Peruvian Wharf, Rotherhithe, Silvertown, Thames Wharf, Thamesmead, Union Wharf, Victoria Wharf
	Northfleet	Northfleet, Northfleet Brett, Robin's Wharf
	River Medway & Swale Wharves	Queenborough, Ridham, Rochester, Rochester Hanson, Sheerness
Thurrock	Purfleet, Purfleet PAL, Thurrock	
East English Channel	Dover	Dover
	Newhaven	Newhaven, Cemex Newhaven
	Rye	Rye
South Coast	Cowes	Cowes, East Cowes, IOWA/Isle of Wight Aggregates, Kingston Wharf, Medina Wharf, Cemex/SCS West Cowes, TMD/UMD West Cowes, West Cowes
	Langstone Harbour Wharves	Bedhampton, Havant, Kendall's Wharf, Langstone, TMD/UMD Bedhampton
	Littlehampton	Littlehampton, TMD/UMD Littlehampton
	Newport, Isle of Wight	Blackhouse Quay (disused), Newport IoW, Solent Services, West Medina Mills (disused)
	Plymouth	Millbay, Plymouth, Stonehouse
	Poole	Poole
	Portsmouth Harbour Wharves	Fareham, Gosport, LRA Tipner, LRA Upper Wharf, Portsmouth
	Shoreham Harbour Wharves	Hanson/ARC Shoreham, Hall's Wharf, Hiedelberg Portslade, Kendall's Wharf Shoreham, Portslade, Cemex/SCS Shoreham, Shoreham, Shoreham Ferry Wharf, TMD/UMD Shoreham
Southampton Wharves	Burnley Wharf, Dibbles Wharf, Eling Wharf, JP Marks, JPM Super Wool, Leamouth, LRA Marchwood, Marchwood, Cemex/SCS Southampton, Southampton, Spitfire Wharf, Totton, TMD/UMD Burnley Wharf, Woolston	
Channel Islands	Guernsey	Guernsey, St Sampson
South West	Appledore	Appledore, Appledore Evans, Bidna
	Avonmouth	Avonmouth, BCA Avonmouth, Cemex/BDL Avonmouth, TMD/UMD Avonmouth
	Barnstaple	Barnstaple
	Barry	Barry

OFFICIAL PORT LISTING (Current and Historic)

Region	Landing Port (Standard Name)	Wharves/Alternative Names
South West (cont'd.)	Bridgwater	Bridgwater, Dunball Wharf
	Briton Ferry	Briton Ferry, Cemex Briton Ferry, Giant's Wharf, Hanson Briton Ferry, Ironworks, Riverside Wharf, Tarmac Briton Ferry
	Burry Port	Burry Port
	Cardiff	Cardiff, Empire Wharf, Roath Dock
	Newport, Wales	Alexandra Dock, Hanson/ARC Newport, East Bank/Ferry Terminal, Eastern Wharf, Newport, Newport (Wales), Newport 2
	Pembroke	Pembroke
	Port Talbot	Port Talbot
	Swansea	Prince of Wales Dock, Cemex/BDL Swansea, Swansea
	Yelland	Yelland
North West	Barrow	Barrow
	Eastham	Eastham
	Glasson	Glasson
	Heysham	Heysham
	Liverpool Wharves	Albert Dock, Birkenhead, Bramley Moore Dock, Garston, Liverpool
	Penrhyn	Penrhyn
Northern Ireland	Belfast	Belfast
Continental Europe	Amsterdam	Amsterdam, Amsterdam AGM, Amsterdam PAES, Hanson/CM/Hiedelberg Amsterdam, Steen Korrel
	Antwerp	Antwerp, Hanson/CM Antwerp
	Bruges	Bruges, Brugge, Hanson/CM Brugge
	Caen	Caen
	Calais	Calais
	Dieppe	Diepe
	Dunkirk	Hanson/CM Dunkirk Sand, Dunkerque, Dunkirk, Dunkirk Gravel, Dunkirk Sand, Mardyck
	Fecamp	Fecamp, Fecamp Mercier
	Flushing	Flushing, Vlissingen
	Gent	Gent, Kluizendok
	Harlingen	Harlingen
	Honfleur	Honfleur
	Le Havre	Le Havre, Treguier
	Le Treport	Le Treport
	Nieupoort	Nieupoort
	Ostend	Ostend, Ostend ISG
	River Seine Wharves	Lillebonne, Moulinaux, Rouen, St Wandrille, Vatteville, Vattewille-la-Rue
	River Somme Wharves	Vattier
	Roscoff	Roscoff
	Rotterdam	De Hoop Rotterdam, Europoort, Rotterdam, Schiemond
	Sluiskil	NL Sluiskil, Sluiskil
Terneuzen	Terneuzen	
Zeebrugge	Zeebrugge, Zeebrugge DVSII, Zeebrugge Hanson	

MARINE AGGREGATES

THE CROWN ESTATE LICENCES

SUMMARY OF STATISTICS 2013

INDEX

	Page	Confidentiality Rating
Accompanying Notes	1	NC
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NC Non confidential

ACCOMPANYING NOTES

1. These statistics refer to removal of sand and gravel from the bed of the English and Welsh Territorial Sea and Continental Shelf, under licence from The Crown Estate Commissioners. Removals from areas not in The Crown Estate ownership are not included in these statistics, nor are dredged materials removed purely for navigational reasons and not used beneficially.
2. All the statistics relate to royalty returns for the 2013 calendar year, except where note 7 applies.
3. All permitted and actual extraction figures are expressed in metric tonnes. A conversion factor of 1.73 for aggregate, and 1.5 for sand, has been applied where necessary to convert cubic metres to metric tonnes.
4. The reported permitted removal tonnage shown within this report refers to the tonnage permitted within The Crown Estate production licences and not to the temporary restricted tonnages in place, during the transitional / Short Term Marine Licence period imposed by MMO or Welsh Government. This is correct as at 31 December 2013.
5. The regional landing statistics totals will not equate to the amount dredged from each region due to the presence of the export market, and movement of aggregate to meet differing home market demands.
6. An Official Port Listing is included (pages 14-15) which illustrates the individual landing locations (current and historic) and the standard name used within this document.
7. Approximately 40,000 tonnes of previously undeclared tonnage from the period 2011 to 2013 has been included in this year's statistics to correct for inaccurate conversions from m³ to tonnes.

Summary 2013

1. REGIONAL DREDGING STATISTICS

Licences to Dredge Marine Minerals

Dredging Area	Permitted Removal *1	Primary Aggregates Licences	Rivers and Miscellaneous	Secondary Aggregates		Total Removal
				Beach Nourishment	Reclamation Fill	
Humber	4,800,000	1,528,399	-	611,787	-	2,140,186
East Coast	9,692,979	4,249,110	-	-	-	4,249,110
Thames Estuary	1,360,000	737,464	45,522	-	-	782,986
East English Channel	9,800,000	3,402,686	-	-	-	3,402,686
South Coast	8,681,427	3,397,803	-	169,761	-	3,567,564
South West	2,209,396	1,024,357	-	-	-	1,024,357
North West	994,547	378,813	-	480,000	-	858,813
Total	37,538,349	14,718,632	45,522	1,261,548	-	16,025,702

2. REGIONAL LANDING STATISTICS

Humber	502,595
East Coast	27,931
Thames Estuary	6,063,530
East English Channel	94,216
South Coast	2,537,503
South West	1,033,969
North West	369,201
Export	4,089,687
Primary Aggregates Total	14,718,632
Beach Nourishment / Reclamation Fill / Misc	1,307,070
TOTAL LANDED	16,025,702

3. NATIONAL LANDING STATISTICS - PRIMARY AGGREGATES

England	9,950,907
Wales	678,038
Belgium	1,477,719
France	940,503
Netherlands	1,671,465
Primary Aggregates Total	14,718,632

*1 Relates to Average Annual Tonnages (total tonnage / term) and refer to accompanying note 4 re Restricted Tonnage. This does not include specific permitted tonnages for Secondary Aggregates only.

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2013**

LANDING LOCATIONS

TONNAGES

HUMBER

Blyth	27,489
River Humber Wharves	76,102
River Tees Wharves	133,711
River Tyne Wharves	265,293
Humber Total	502,595

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2013**

LANDING LOCATIONS

TONNAGES

EAST COAST

Ipswich

27,931

East Coast Total

27,931

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2013**

LANDING LOCATIONS

TONNAGES

THAMES ESTUARY

Cliffe	152,546
Dagenham	1,008,851
Denton	620,952
Erith	196,379
Greenhithe	244,946
Greenwich Wharves	2,535,314
Northfleet	657,774
River Medway & Swale Wharves	401,254
Thurrock	245,514

Thames Estuary Total

6,063,530

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2013**

LANDING LOCATIONS

TONNAGES

EAST ENGLISH CHANNEL

Dover

67,005

Newhaven

27,211

East English Channel Total

**-----
94,216**

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2013**

LANDING LOCATIONS

TONNAGES

SOUTH COAST

Cowes	69,354
Langstone Harbour Wharves	523,019
Poole	86,983
Shoreham Harbour Wharves	1,029,108
Southampton Wharves	829,039

South Coast Total

**-----
2,537,503**

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2013**

LANDING LOCATIONS

TONNAGES

SOUTH WEST

Appledore	28,598
Avonmouth	338,676
Bridgwater	34,275
Burry Port	102,029
Cardiff	172,055
Newport, Wales	201,739
Pembroke	13,300
Port Talbot	5,700
Swansea	129,515
Yelland	8,082

South West Total

1,033,969

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2013**

LANDING LOCATIONS

TONNAGES

NORTH WEST

Barrow	11,805
Liverpool Wharves	303,696
Penrhyn	53,700
North West Total	----- 369,201

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2013**

LANDING LOCATIONS

TONNAGES

EXPORT

Amsterdam	788,497
Antwerp	369,056
Bruges	142,072
Calais	86,105
Dieppe	79,797
Dunkirk	125,650
Fecamp	43,161
Flushing	855,876
Gent	286,135
Harlingen	822
Honfleur	50,528
Le Havre	331,568
Le Treport	18,780
Ostend	491,655
River Seine Wharves	204,914
Rotterdam	7,457
Sluiskil	18,813
Zeebrugge	188,801

Export Total

**-----
4,089,687**

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED SECONDARY AGGREGATES - 2013**

LANDING LOCATIONS

TONNAGES

BEACH NOURISHMENT / RECLAMATION FILL / MISC

Bulverhythe	21,874
Colwyn Bay	480,000
Deal	39,002
Eastbourne	20,690
Lincshore	611,787
London Array	45,522
Pevensey	55,625
West Sands, Selsey	32,570

Beach Nourishment / Reclamation Fill / Misc Total

1,307,070

**SUMMARY OF NATIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2013**

LANDING LOCATIONS	TONNAGES
ENGLAND	
Appledore	28,598
Avonmouth	338,676
Barrow	11,805
Blyth	27,489
Bridgwater	34,275
Cliffe	152,546
Cowes	69,354
Dagenham	1,008,851
Denton	620,952
Dover	67,005
Erith	196,379
Greenhithe	244,946
Greenwich Wharves	2,535,314
Ipswich	27,931
Langstone Harbour Wharves	523,019
Liverpool Wharves	303,696
Newhaven	27,211
Northfleet	657,774
Poole	86,983
River Humber Wharves	76,102
River Medway & Swale Wharves	401,254
River Tees Wharves	133,711
River Tyne Wharves	265,293
Shoreham Harbour Wharves	1,029,108
Southampton Wharves	829,039
Thurrock	245,514
Yelland	8,082

England Total	9,950,907

**SUMMARY OF NATIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2013**

LANDING LOCATIONS		TONNAGES
WALES	Burry Port	102,029
	Cardiff	172,055
	Newport, Wales	201,739
	Pembroke	13,300
	Penrhyn	53,700
	Port Talbot	5,700
	Swansea	129,515
	Wales Total	678,038
BELGIUM	Antwerp	369,056
	Bruges	142,072
	Gent	286,135
	Ostend	491,655
	Zeebrugge	188,801
	Belgium Total	1,477,719
FRANCE	Calais	86,105
	Dieppe	79,797
	Dunkirk	125,650
	Fecamp	43,161
	Honfleur	50,528
	Le Havre	331,568
	Le Treport	18,780
	River Seine Wharves	204,914
	France Total	940,503
NETHERLANDS	Amsterdam	788,497
	Flushing	855,876
	Harlingen	822
	Rotterdam	7,457
	Sluiskil	18,813
	Netherlands Total	1,671,465
	Total	14,718,632

Regional Summary of Dredging Statistics 2013

Region	Landing Port (Standard Name)	Wharves/Alternative Names
Humber	Immingham	Immingham
	River Humber Wharves	Goole, Grimsby, Howden, Hull, Hull N&Y, Hull Northern Aggregates, Pyewipe, St Andrew's Quay
	River Tees Wharves	Able Tees, Billingham, Middlesbrough, Tees, Tees Sand, Terrc-Seaton
	River Tyne Wharves	Gateshead, Jarrow, Tyne
	Sunderland	Hendon, Hendon Dock, Sunderland
East Coast	Ipswich	Hanson/ARC Ipswich, Ipswich
	Lowesoft	Lowestoft
Thames Estuary	Barking	Barking, Docklands Wharf
	Cliffe	Alpha Wharf, Cliffe, North Sea Terminal
	Dagenham	Hanson/ARC Dagenham, Dagenham
	Denton	Denton, Denton B.A.D, Denton Sand
	Erith	Erith, Pioneer Wharf
	Greenhithe	Greenhithe
	Greenwich Wharves	Angerstein, Blackwall Wharf, Charlton, Delta Wharf, Greenwich, Murphy's Wharf, Phoenix Wharf, Victoria Deep Wharf
	London Docklands Wharves (mostly disused)	Canning Town, Cargo Fleet Wharf, Clarence Wharf, East India Dock, Heron Quay, Millwall, Orchard Wharf, Peruvian Wharf, Rotherhithe, Silvertown, Thames Wharf, Thamesmead, Union Wharf, Victoria Wharf
	Northfleet	Northfleet, Northfleet Brett, Robin's Wharf
	River Medway & Swale Wharves	Queenborough, Ridham, Rochester, Rochester Hanson, Sheerness
Thurrock	Purfleet, Purfleet PAL, Thurrock	
East English Channel	Dover	Dover
	Newhaven	Newhaven, Cemex Newhaven
	Rye	Rye
South Coast	Cowes	Cowes, East Cowes, IOWA/Isle of Wight Aggregates, Kingston Wharf, Medina Wharf, Cemex/SCS West Cowes, TMD/UMD West Cowes, West Cowes
	Langstone Harbour Wharves	Bedhampton, Havant, Kendall's Wharf, Langstone, TMD/UMD Bedhampton
	Littlehampton	Littlehampton, TMD/UMD Littlehampton
	Newport, Isle of Wight	Blackhouse Quay (disused), Newport IoW, Solent Services, West Medina Mills (disused)
	Plymouth	Millbay, Plymouth, Stonehouse
	Poole	Poole
	Portsmouth Harbour Wharves	Fareham, Gosport, LRA Tipner, LRA Upper Wharf, Portsmouth
	Shoreham Harbour Wharves	Hanson/ARC Shoreham, Hall's Wharf, Hiedelberg Portslade, Kendall's Wharf Shoreham, Portslade, Cemex/SCS Shoreham, Shoreham, Shoreham Ferry Wharf, TMD/UMD Shoreham
	Southampton Wharves	Burnley Wharf, Dibles Wharf, Eling Wharf, JP Marks, JPM Super Wool, Leamouth, LRA Marchwood, Marchwood, Cemex/SCS Southampton, Southampton, Spitfire Wharf, Totton, TMD/UMD Burnley Wharf, Woolston
Channel Islands	Guernsey	Guernsey, St Sampson

Regional Summary of Dredging Statistics 2013

Region	Landing Port (Standard Name)	Wharves/Alternative Names
South West	Appledore	Appledore, Appledore Evans, Bidna
	Avonmouth	Avonmouth, BCA Avonmouth, Cemex/BDL Avonmouth, TMD/UMD Avonmouth
	Barnstaple	Barnstaple
	Barry	Barry
	Bridgwater	Bridgwater, Dunball Wharf
	Briton Ferry	Briton Ferry, Cemex Briton Ferry, Giant's Wharf, Hanson Briton Ferry, Ironworks, Riverside Wharf, Tarmac Briton Ferry
	Burry Port	Burry Port
	Cardiff	Cardiff, Empire Wharf, Roath Dock
	Newport, Wales	Alexandra Dock, Hanson/ARC Newport, East Bank/Ferry Terminal, Eastern Wharf, Newport, Newport (Wales), Newport 2
	Pembroke	Pembroke
	Port Talbot	Port Talbot
Swansea	Prince of Wales Dock, Cemex/BDL Swansea, Swansea	
North West	Barrow	Barrow
	Eastham	Eastham
	Glasson	Glasson
	Heysham	Heysham
	Liverpool Wharves	Albert Dock, Birkenhead, Bramley Moore Dock, Garston, Liverpool
	Penrhyn	Penrhyn
Northern Ireland	Belfast	Belfast
Continental Europe	Amsterdam	Amsterdam, Amsterdam AGM, Amsterdam PAES, Hanson/CM/Hiedelberg Amsterdam, Steen Korrel
	Antwerp	Antwerp, Hanson/CM Antwerp
	Bruges	Bruges, Brugge, Hanson/CM Brugge
	Caen	Caen
	Calais	Calais
	Dunkirk	Hanson/CM Dunkirk Sand, Dunkerque, Dunkirk, Dunkirk Gravel, Dunkirk Sand, Mardyck
	Fecamp	Fecamp, Fecamp Mercier
	Flushing	Flushing, Vlissingen
	Gent	Gent, Kluizendok
	Harlingen	Harlingen
	Honfleur	Honfleur
	Le Havre	Le Havre, Treguier
	Le Treport	Le Treport
	Nieuipoort	Nieuipoort
	Ostend	Ostend, Ostend ISG
	River Seine Wharves	Lillebonne, Rouen, St Wandrille, Vatteville, Vattewille-la-Rue
	River Somme Wharves	Vattier
	Roscoff	Roscoff
	Rotterdam	De Hoop Rotterdam, Europoort, Rotterdam, Schiemond
	Sluiskil	NL Sluiskil, Sluiskil
Terneuzen	Terneuzen	
Zeebrugge	Zeebrugge, Zeebrugge DVSII, Zeebrugge Hanson	

MARINE AGGREGATES

THE CROWN ESTATE LICENCES

SUMMARY OF STATISTICS 2014

INDEX

	Page	Confidentiality Rating
Accompanying Notes	1	NC
Summary 2014	2	NC
Summary of Regional Landing Statistics	3-11	NC
Summary of National Landing Statistics	12-13	NC
Official Port Listings	14-15	NC

NC Non confidential

ACCOMPANYING NOTES

1. These statistics refer to removal of sand and gravel from the bed of the English and Welsh Territorial Sea and Continental Shelf, under licence from The Crown Estate Commissioners. Removals from areas not in The Crown Estate ownership are not included in these statistics, nor are dredged materials removed purely for navigational reasons and not used beneficially.
2. All the statistics relate to royalty returns for the 2014 calendar year.
3. All permitted and actual extraction figures are expressed in metric tonnes. A conversion factor of 1.73 for aggregate, and 1.5 for sand, has been applied where necessary to convert cubic metres to metric tonnes.
4. The reported permitted removal tonnage shown within this report refers to the tonnage permitted within The Crown Estate production licences and not to the temporary restricted tonnages in place, during the transitional / Short Term Marine Licence period imposed by MMO or Welsh Government. This is correct as at 31 December 2014.
5. The regional landing statistics totals will not equate to the amount dredged from each region due to the presence of the export market, and movement of aggregate to meet differing home market demands.
6. An Official Port Listing is included (pages 14-15) which illustrates the individual landing locations (current and historic) and the standard name used within this document.

Summary 2014

1. REGIONAL DREDGING STATISTICS

Licences to Dredge Marine Minerals

Dredging Area	Permitted Removal *1	Primary Aggregates Licences	Rivers and Miscellaneous	Secondary Aggregates		Total Removal
				Beach Nourishment	Reclamation Fill	
Humber	4,560,000	1,566,850	-	620,422	-	2,187,272
East Coast	8,466,667	4,720,088	-	-	-	4,720,088
Thames Estuary	1,760,000	591,766	58,512	479,369	561,187	1,690,834
East English Channel	9,900,000	3,620,229	-	-	242,589	3,862,818
South Coast	8,950,000	2,966,107	8,506	100,274	104,725	3,179,612
South West	2,209,396	1,087,277	-	-	-	1,087,277
North West	1,312,500	251,424	-	268,959	-	520,383
Total	37,158,563	14,803,741	67,018	1,469,024	908,501	17,248,284

2. REGIONAL LANDING STATISTICS

Humber	514,302
East Coast	57,085
Thames Estuary	7,325,856
East English Channel	-
South Coast	2,573,259
South West	1,097,123
North West	241,578
Export	2,994,538
Primary Aggregates Total	14,803,741
Beach Nourishment / Reclamation Fill / Rivers and Misc	2,444,543
TOTAL LANDED	17,248,284

3. NATIONAL LANDING STATISTICS - PRIMARY AGGREGATES

England	11,141,286
Wales	667,917
Belgium	1,306,354
France	401,615
Netherlands	1,286,569

Primary Aggregates Total 14,803,741

*1 Relates to Average Annual Tonnages (total tonnage / term) and refer to accompanying note 4 re Restricted Tonnage. This does not include specific permitted tonnages for Secondary Aggregates only.

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2014**

LANDING LOCATIONS

TONNAGES

HUMBER

Blyth	22,946
River Tees Wharves	198,710
River Tyne Wharves	292,646
Humber Total	----- 514,302

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2014**

LANDING LOCATIONS

TONNAGES

EAST COAST

Ipswich

57,085

East Coast Total

57,085

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2014**

LANDING LOCATIONS

TONNAGES

THAMES ESTUARY

Cliffe	682,718
Dagenham	1,530,319
Denton	641,222
Erith	210,915
Greenhithe	241,227
Greenwich Wharves	2,692,686
Northfleet	652,079
River Medway & Swale Wharves	436,359
Thurrock	238,331
Thames Estuary Total	7,325,856

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2014**

LANDING LOCATIONS

TONNAGES

EAST ENGLISH CHANNEL

None

East English Channel Total

0

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2014**

LANDING LOCATIONS

TONNAGES

SOUTH COAST

Cowes	73,410
Langstone Harbour Wharves	501,845
Poole	77,412
Shoreham Harbour Wharves	1,090,138
Southampton Wharves	830,454

South Coast Total

2,573,259

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2014**

LANDING LOCATIONS

TONNAGES

SOUTH WEST

Appledore	35,691
Avonmouth	382,330
Bridgwater	35,667
Burry Port	73,347
Cardiff	185,924
Newport, Wales	215,754
Pembroke	14,462
Port Talbot	7,085
Swansea	136,271
Yelland	10,592

South West Total

1,097,123

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2014**

LANDING LOCATIONS

TONNAGES

NORTH WEST

Barrow	3,790
Liverpool Wharves	202,714
Penrhyn	35,074
North West Total	----- 241,578

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2014**

LANDING LOCATIONS

TONNAGES

EXPORT

Amsterdam	543,370
Antwerp	369,318
Boulogne	8,517
Bruges	99,257
Calais	63,028
Dunkirk	157,494
Fecamp	3,496
Flushing	715,853
Gent	122,342
Harlingen	20,914
Honfleur	16,535
Le Havre	102,487
Ostend	516,446
River Seine Wharves	50,058
Sluiskil	6,432
Zeebrugge	198,991

Export Total

2,994,538

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED SECONDARY AGGREGATES - 2014**

LANDING LOCATIONS	TONNAGES
BEACH NOURISHMENT / RECLAMATION FILL / RIVERS & MISC	
Clacton	479,369
Colwyn Bay	268,959
Deal	2,710
East Cowes Breakwater	104,725
Eastbourne	17,394
Felixstowe	561,187
Flushing	242,589
Lincshore	620,422
London Array	58,512
Pevensey	52,609
Southampton Wharves	8,506
West Sands, Selsey	27,561
Beach Nourishment / Reclamation Fill / Rivers & Misc Total	2,444,543

**SUMMARY OF NATIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2014**

LANDING LOCATIONS		TONNAGES
ENGLAND	Appledore	35,691
	Avonmouth	382,330
	Barrow	3,790
	Blyth	22,946
	Bridgwater	35,667
	Cliffe	682,718
	Cowes	73,410
	Dagenham	1,530,319
	Denton	641,222
	Erith	210,915
	Greenhithe	241,227
	Greenwich Wharves	2,692,686
	Ipswich	57,085
	Langstone Harbour Wharves	501,845
	Liverpool Wharves	202,714
	Northfleet	652,079
	Poole	77,412
	River Medway & Swale Wharves	436,359
	River Tees Wharves	198,710
	River Tyne Wharves	292,646
	Shoreham Harbour Wharves	1,090,138
	Southampton Wharves	830,454
	Thurrock	238,331
	Yelland	10,592
	England Total	11,141,286

**SUMMARY OF NATIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2014**

LANDING LOCATIONS		TONNAGES
WALES	Burry Port	73,347
	Cardiff	185,924
	Newport, Wales	215,754
	Pembroke	14,462
	Penrhyn	35,074
	Port Talbot	7,085
	Swansea	136,271
	Wales Total	667,917
BELGIUM	Antwerp	369,318
	Bruges	99,257
	Gent	122,342
	Ostend	516,446
	Zeebrugge	198,991
	Belgium Total	1,306,354
FRANCE	Boulogne	8,517
	Calais	63,028
	Dunkirk	157,494
	Fecamp	3,496
	Honfleur	16,535
	Le Havre	102,487
	River Seine Wharves	50,058
	France Total	401,615
NETHERLANDS	Amsterdam	543,370
	Flushing	715,853
	Harlingen	20,914
	Sluiskil	6,432
	Netherlands Total	1,286,569
	Total	14,803,741

Official Port Listing (Current and Historic) 2014

Region	Landing Port (Standard Name)	Wharves/Alternative Names
Humber	Immingham	Immingham
	River Humber Wharves	Goole, Grimsby, Howden, Hull, Hull N&Y, Hull Northern Aggregates, Pyewipe, St Andrew's Quay
	River Tees Wharves	Able Tees, Billingham, Middlesbrough, Tees, Tees Sand, Terrc-Seaton
	River Tyne Wharves	Gateshead, Jarrow, Tyne
	Sunderland	Hendon, Hendon Dock, Sunderland
East Coast	Ipswich	Hanson/ARC Ipswich, Ipswich
	Lowesoft	Lowestoft
Thames Estuary	Barking	Barking, Docklands Wharf
	Cliffe	Alpha Wharf, Cliffe, North Sea Terminal
	Dagenham	Hanson/ARC Dagenham, Dagenham
	Denton	Denton, Denton B.A.D, Denton Sand
	Erith	Erith, Pioneer Wharf
	Greenhithe	Greenhithe
	Greenwich Wharves	Angerstein, Blackwall Wharf, Charlton, Delta Wharf, Greenwich, Murphy's Wharf, Phoenix Wharf, Victoria Deep Wharf
	London Docklands Wharves (mostly disused)	Canning Town, Cargo Fleet Wharf, Clarence Wharf, East India Dock, Heron Quay, Millwall, Orchard Wharf, Peruvian Wharf, Rotherhithe, Silvertown, Thames Wharf, Thamesmead, Union Wharf, Victoria Wharf
	Northfleet	Northfleet, Northfleet Brett, Robin's Wharf
	River Medway & Swale Wharves	Queenborough, Ridham, Rochester, Rochester Hanson, Sheerness
Thurrock	Purfleet, Purfleet PAL, Thurrock	
East English Channel	Dover	Dover
	Newhaven	Newhaven, Cemex Newhaven
	Rye	Rye
South Coast	Cowes	Cowes, East Cowes, IOWA/Isle of Wight Aggregates, Kingston Wharf, Medina Wharf, Cemex/SCS West Cowes, TMD/UMD West Cowes, West Cowes
	Langstone Harbour Wharves	Bedhampton, Havant, Kendall's Wharf, Langstone, TMD/UMD Bedhampton
	Littlehampton	Littlehampton, TMD/UMD Littlehampton
	Newport, Isle of Wight	Blackhouse Quay (disused), Newport IoW, Solent Services, West Medina Mills (disused)
	Plymouth	Millbay, Plymouth, Stonehouse
	Poole	Poole
	Portsmouth Harbour Wharves	Fareham, Gosport, LRA Tipner, LRA Upper Wharf, Portsmouth
	Shoreham Harbour Wharves	Hanson/ARC Shoreham, Hall's Wharf, Hiedelberg Portslade, Kendall's Wharf Shoreham, Portslade, Cemex/SCS Shoreham, Shoreham, Shoreham Ferry Wharf, TMD/UMD Shoreham
Southampton Wharves	Burnley Wharf, Dibbles Wharf, Eling Wharf, JP Marks, JPM Super Wool, Leamouth, LRA Marchwood, Marchwood, Cemex/SCS Southampton, Southampton, Spitfire Wharf, Totton, TMD/UMD Burnley Wharf, Woolston	
Channel Islands	Guernsey	Guernsey, St Sampson

Official Port Listing (Current and Historic) 2014

Region	Landing Port (Standard Name)	Wharves/Alternative Names
South West	Appledore	Appledore, Appledore Evans, Bidna
	Avonmouth	Avonmouth, BCA Avonmouth, Cemex/BDL Avonmouth, TMD/UMD Avonmouth
	Barnstaple	Barnstaple
	Barry	Barry
	Bridgwater	Bridgwater, Dunball Wharf
	Briton Ferry	Briton Ferry, Cemex Briton Ferry, Giant's Wharf, Hanson Briton Ferry, Ironworks, Riverside Wharf, Tarmac Briton Ferry
	Burry Port	Burry Port
	Cardiff	Cardiff, Empire Wharf, Roath Dock
	Newport, Wales	Alexandra Dock, Hanson/ARC Newport, East Bank/Ferry Terminal, Eastern Wharf, Newport, Newport (Wales), Newport 2
	Pembroke	Pembroke
	Port Talbot	Port Talbot
	Swansea	Prince of Wales Dock, Cemex/BDL Swansea, Swansea
North West	Barrow	Barrow
	Eastham	Eastham
	Glasson	Glasson
	Heysham	Heysham
	Liverpool Wharves	Albert Dock, Birkenhead, Bramley Moore Dock, Garston, Liverpool
	Penrhyn	Penrhyn
Northern Ireland	Belfast	Belfast
Continental Europe	Amsterdam	Amsterdam, Amsterdam AGM, Amsterdam PAES, Hanson/CM/Hiedelberg Amsterdam, Steen Korrel
	Antwerp	Antwerp, Hanson/CM Antwerp
	Boulogne	Boulogne
	Bruges	Bruges, Brugge, Hanson/CM Brugge
	Caen	Caen
	Calais	Calais
	Dunkirk	Hanson/CM Dunkirk Sand, Dunkerque, Dunkirk, Dunkirk Gravel, Dunkirk Sand, Mardyck
	Fecamp	Fecamp, Fecamp Mercier
	Flushing	Flushing, Vlissingen
	Gent	Gent, Kluizendok
	Harlingen	Harlingen
	Honfleur	Honfleur
	Le Havre	Le Havre, Treguier
	Le Treport	Le Treport
	Nieupoort	Nieupoort
	Ostend	Ostend, Ostend ISG
	River Seine Wharves	Lillebonne, Rouen, St Wandrille, Vatteville, Vattewille-la-Rue
	River Somme Wharves	Vattier
	Roscoff	Roscoff
	Rotterdam	De Hoop Rotterdam, Europoort, Rotterdam, Schiemond
Sluiskil	NL Sluiskil, Sluiskil	
Terneuzen	Terneuzen	
Zeebrugge	Zeebrugge, Zeebrugge DVSII, Zeebrugge Hanson	

MARINE AGGREGATES

THE CROWN ESTATE LICENCES

SUMMARY OF STATISTICS 2015

INDEX

	Page	Confidentiality Rating
Accompanying Notes	1	NC
Summary 2015	2	NC
Summary of Regional Landing Statistics	3-11	NC
Summary of National Landing Statistics	12-13	NC
Official Port Listings	14-15	NC

NC Non confidential

ACCOMPANYING NOTES

1. These statistics refer to removal of sand and gravel from the bed of the English and Welsh Territorial Sea and Continental Shelf, under licence from The Crown Estate Commissioners. Removals from areas not in The Crown Estate ownership are not included in these statistics, nor are dredged materials removed purely for navigational reasons and not used beneficially.
2. All the statistics relate to royalty returns for the 2015 calendar year.
3. All permitted and actual extraction figures are expressed in metric tonnes. A conversion factor of 1.73 for aggregate, and 1.5 for sand, has been applied where necessary to convert cubic metres to metric tonnes.
4. The reported permitted removal tonnage shown within this report refers to the tonnage permitted within The Crown Estate production. This is correct as at 31 December 2015.
5. The regional landing statistics totals will not equate to the amount dredged from each region due to the presence of the export market, and movement of aggregate to meet differing home market demands.
6. An Official Port Listing is included (pages 14-15) which illustrates the individual landing locations (current and historic) and the standard name used within this document.

Summary 2015

1. REGIONAL DREDGING STATISTICS

Licences to Dredge Marine Minerals

Dredging Area	Permitted Removal *1	Primary Aggregates	Rivers and Miscellaneous	Secondary Aggregates		Total Removal
				Beach Nourishment	Reclamation Fill	
Humber	4,700,000	1,318,134	199,424	626,472	0	2,144,030
East Coast	9,216,667	4,474,629	0	0	0	4,474,629
Thames Estuary	2,700,000	1,503,344	0	1,160,168	0	2,663,512
East English Channel	10,000,000	3,653,790		0	20,407	3,674,197
South Coast	7,375,000	3,047,892	0	284,365	0	3,332,257
South West	1,699,900	1,131,751	0	0	0	1,131,751
North West	1,300,000	260,649			1,786,250	2,046,899
Total	36,991,567	15,390,189	199,424	2,071,005	1,806,657	19,467,275

2. REGIONAL LANDING STATISTICS

Humber	595,891
East Coast	119,421
Thames Estuary	8,306,772
East English Channel	0
South Coast	2,824,536
South West	1,137,567
North West	252,856
Export	2,153,146
Primary Aggregates Total	15,390,189
Beach Nourishment / Reclamation Fill / Rivers and Misc	4,077,086
TOTAL LANDED	19,467,275

3. NATIONAL LANDING STATISTICS - PRIMARY AGGREGATES

England	12,546,275
Wales	690,768
Belgium	1,195,393
France	221,949
Netherlands	735,804
Primary Aggregates Total	15,390,189

*1 Relates to Average Annual Tonnages (total tonnage / term). This does not include specific permitted tonnages for Secondary Aggregates only.

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2015**

LANDING LOCATIONS

TONNAGES

HUMBER

Blyth	37,452
River Humber Wharves	25,561
River Tees Wharves	245,860
River Tyne Wharves	287,018
Humber Total	595,891

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2015**

LANDING LOCATIONS

TONNAGES

EAST COAST

Ipswich

119,421

East Coast Total

**-----
119,421**

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2015**

LANDING LOCATIONS

TONNAGES

THAMES ESTUARY

Cliffe	1,354,781
Dagenham	1,681,581
Denton	695,146
Erith	302,798
Greenhithe	267,254
Greenwich Wharves	2,666,227
Northfleet	701,022
River Medway & Swale Wharves	433,687
Thurrock	204,276

Thames Estuary Total

8,306,772

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2015**

LANDING LOCATIONS

TONNAGES

EAST ENGLISH CHANNEL

None

0

East English Channel Total

0

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2015**

LANDING LOCATIONS

TONNAGES

SOUTH COAST

Cowes	70,975
Langstone Harbour Wharves	470,817
Poole	85,226
Shoreham Harbour Wharves	1,173,304
Southampton Wharves	1,024,214

South Coast Total

**-----
2,824,536**

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2015**

LANDING LOCATIONS	TONNAGES
SOUTH WEST	
Appledore	25,603
Avonmouth	396,991
Bridgwater	55,270
Burry Port	110,112
Cardiff	169,067
Newport (Wales)	241,776
Pembroke	24,531
Port Talbot	4,789
Swansea	103,481
Yelland	5,947
South West Total	1,137,567

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2015**

LANDING LOCATIONS

TONNAGES

NORTH WEST

Barrow	5,905
Liverpool Wharves	209,939
Penryhn	37,012
North West Total	----- 252,856

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2015**

LANDING LOCATIONS	TONNAGES
EXPORT	
Antwerp	462,546
Boulogne	17,612
Breskens	1,281
Bruges	149,131
Calais	59,145
Dunkirk	120,536
Flushing	684,580
Harlingen	44,143
Honfleur	24,656
Ostend	432,306
Sluiskil	5,800
Zeebrugge	151,410
Export Total	2,153,146

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED SECONDARY AGGREGATES - 2015**

LANDING LOCATIONS

TONNAGES

BEACH NOURISHMENT / RECLAMATION FILL / RIVERS & MISC

Bournemouth	179,910
Canary Wharf	20,407
Clacton	1,160,168
Eastbourne	15,054
Lincshore	626,472
Littlestone	30,946
Liverpool 2	1,786,250
Pevensey	58,455
Tetney	199,424

Beach Nourishment / Reclamation Fill / Rivers & Misc Total **4,077,086**

**SUMMARY OF NATIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2015**

LANDING LOCATIONS		TONNAGES
ENGLAND	Appledore	25,603
	Avonmouth	396,991
	Barrow	5,905
	Blyth	37,452
	Bridgwater	55,270
	Cliffe	1,354,781
	Cowes	70,975
	Dagenham	1,681,581
	Denton	695,146
	Erith	302,798
	Greenhithe	267,254
	Greenwich Wharves	2,666,227
	Ipswich	119,421
	Langstone Harbour Wharves	470,817
	Liverpool Wharves	209,939
	Northfleet	701,022
	Poole	85,226
	River Humber Wharves	25,561
	River Medway & Swale Wharves	433,687
	River Tees Wharves	245,860
	River Tyne Wharves	287,018
	Shoreham Harbour Wharves	1,173,304
	Southampton Wharves	1,024,214
	Thurrock	204,276
	Yelland	5,947
	England Total	12,546,275

**SUMMARY OF NATIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2015**

LANDING LOCATIONS		TONNAGES
WALES	Burry Port	110,112
	Cardiff	169,067
	Newport (Wales)	241,776
	Pembroke	24,531
	Penryhn	37,012
	Port Talbot	4,789
	Swansea	103,481
	Wales Total	690,768
BELGIUM	Antwerp	462,546
	Bruges	149,131
	Ostend	432,306
	Zeebrugge	151,410
	Belgium Total	1,195,393
FRANCE	Boulogne	17,612
	Calais	59,145
	Dunkirk	120,536
	Honfleur	24,656
	France Total	221,949
NETHERLANDS	Breskens	1,281
	Flushing	684,580
	Harlingen	44,143
	Sluiskil	5,800
	Netherlands Total	735,804
	Total	15,390,189

OFFICIAL PORT LISTING (Current and Historic)

Region	Landing Port (Standard Name)	Wharves/Alternative Names
Humber	Blyth	Blyth
	Immingham	Immingham
	River Humber Wharves	Goole, Grimsby, Howden, Hull, Hull N&Y, Hull Northern Aggregates, Pyewipe, St Andrew's Quay
	River Tees Wharves	Able Tees, Billingham, Middlesbrough, Tees, Tees Sand, Terrc-Seaton
	River Tyne Wharves	Gateshead, Jarrow, Tyne
	Sunderland	Hendon, Hendon Dock, Sunderland
East Coast	Ipswich	Hanson/ARC Ipswich, Ipswich
	Lowesoft	Lowestoft
Thames Estuary	Barking	Barking, Docklands Wharf
	Cliffe	Alpha Wharf, Cliffe, North Sea Terminal
	Dagenham	Hanson/ARC Dagenham, Dagenham
	Denton	Denton, Denton B.A.D, Denton Sand
	Erith	Erith, Pioneer Wharf
	Greenhithe	Greenhithe
	Greenwich Wharves	Angerstein, Blackwall Wharf, Charlton, Delta Wharf, Greenwich, Murphy's Wharf, Phoenix Wharf, Victoria Deep Wharf
	London Docklands Wharves (mostly disused)	Canning Town, Cargo Fleet Wharf, Clarence Wharf, East India Dock, Heron Quay, Millwall, Orchard Wharf, Peruvian Wharf, Rotherhithe, Silvertown, Thames Wharf, Thamesmead, Union Wharf, Victoria Wharf
	Northfleet	Northfleet, Northfleet Brett, Robin's Wharf
	River Medway & Swale Wharves	Queenborough, Ridham, Rochester, Rochester Hanson, Sheerness
	Thurrock	Purfleet, Purfleet PAL, Thurrock
East English Channel	Dover	Dover
	Newhaven	Newhaven, Cemex Newhaven
	Rye	Rye
South Coast	Cowes	Cowes, East Cowes, IOWA/Isle of Wight Aggregates, Kingston Wharf, Medina Wharf, Cemex/SCS West Cowes, TMD/UMD West Cowes, West Cowes
	Langstone Harbour Wharves	Bedhampton, Havant, Kendall's Wharf, Langstone, TMD/UMD Bedhampton
	Littlehampton	Littlehampton, TMD/UMD Littlehampton
	Newport, Isle of Wight	Blackhouse Quay (disused), Newport IoW, Solent Services, West Medina Mills (disused)
	Plymouth	Millbay, Plymouth, Stonehouse
	Poole	Poole
	Portsmouth Harbour Wharves	Fareham, Gosport, LRA Tipner, LRA Upper Wharf, Portsmouth
	Shoreham Harbour Wharves	Hanson/ARC Shoreham, Hall's Wharf, Hiedelberg Portslade, Kendall's Wharf Shoreham, Portslade, Cemex/SCS Shoreham, Shoreham, Shoreham Ferry Wharf, TMD/UMD Shoreham
	Southampton Wharves	Burnley Wharf, Dibles Wharf, Eling Wharf, JP Marks, JPM Super Wool, Leamouth, LRA Marchwood, Marchwood, Cemex/SCS Southampton, Southampton, Spitfire Wharf, Totton, TMD/UMD Burnley Wharf, Woolston
Channel Islands	Guernsey	Guernsey, St Sampson
South West	Appledore	Appledore, Appledore Evans, Bidna
	Avonmouth	Avonmouth, BCA Avonmouth, Cemex/BDL Avonmouth, TMD/UMD Avonmouth
	Barnstaple	Barnstaple
	Barry	Barry

OFFICIAL PORT LISTING (Current and Historic)

Region	Landing Port (Standard Name)	Wharves/Alternative Names
South West (cont'd.)	Bridgwater	Bridgwater, Dunball Wharf
	Briton Ferry	Briton Ferry, Cemex Briton Ferry, Giant's Wharf, Hanson Briton Ferry, Ironworks, Riverside Wharf, Tarmac Briton Ferry
	Burry Port	Burry Port
	Cardiff	Cardiff, Empire Wharf, Roath Dock
	Newport, Wales	Alexandra Dock, Hanson/ARC Newport, East Bank/Ferry Terminal, Eastern Wharf, Newport, Newport (Wales), Newport 2
	Pembroke	Pembroke
	Port Talbot	Port Talbot
	Swansea	Prince of Wales Dock, Cemex/BDL Swansea, Swansea
	Yelland	Yelland
North West	Barrow	Barrow
	Eastham	Eastham
	Glasson	Glasson
	Heysham	Heysham
	Liverpool Wharves	Albert Dock, Birkenhead, Bramley Moore Dock, Garston, Liverpool
	Penrhyn	Penrhyn
Northern Ireland	Belfast	Belfast
Continental Europe	Amsterdam	Amsterdam, Amsterdam AGM, Amsterdam PAES, Hanson/CM/Hiedelberg Amsterdam, Steen Korrel
	Antwerp	Antwerp, Hanson/CM Antwerp
	Boulogne	Boulogne
	Breskens	Breskens
	Bruges	Bruges, Brugge, Hanson/CM Brugge
	Caen	Caen
	Calais	Calais
	Dieppe	Diepe
	Dunkirk	Hanson/CM Dunkirk Sand, Dunkerque, Dunkirk, Dunkirk Gravel, Dunkirk Sand, Mardyck
	Fecamp	Fecamp, Fecamp Mercier
	Flushing	Flushing, Vlissingen
	Gent	Gent, Kluizendok
	Harlingen	Harlingen
	Honfleur	Honfleur
	Le Havre	Le Havre, Treguier
	Le Treport	Le Treport
	Nieupoort	Nieupoort
	Ostend	Ostend, Ostend ISG
	River Seine Wharves	Lillebonne, Moulineaux, Rouen, St Wandrille, Vatteville, Vatteville-la-Rue
	River Somme Wharves	Vattier
	Roscoff	Roscoff
	Rotterdam	De Hoop Rotterdam, Europoort, Rotterdam, Schiemond
	Sluiskil	NL Sluiskil, Sluiskil
Terneuzen	Terneuzen	
Zeebrugge	Zeebrugge, Zeebrugge DVSII, Zeebrugge Hanson	

MARINE AGGREGATES

THE CROWN ESTATE LICENCES

SUMMARY OF STATISTICS 2016

INDEX

	Page	Confidentiality Rating
Accompanying Notes	1	NC
Summary 2016	2	NC
Summary of Regional Landing Statistics	3-11	NC
Summary of National Landing Statistics	12-13	NC
2014 & 2015 Corrections	14	NC
Official Port Listings	15-16	NC

NC Non confidential

ACCOMPANYING NOTES

1. These statistics refer to removal of sand and gravel from the bed of the English and Welsh Territorial Sea and Continental Shelf, under licence from The Crown Estate Commissioners. Removals from areas not in The Crown Estate ownership are not included in these statistics, nor are dredged materials removed purely for navigational reasons and not used beneficially.
2. All the statistics relate to royalty returns for the 2016 calendar year.
3. All permitted and actual extraction figures are expressed in metric tonnes. A conversion factor of 1.73 for aggregate, and 1.5 for sand, has been applied where necessary to convert cubic metres to metric tonnes.
4. The reported permitted removal tonnage shown within this report refers to the tonnage permitted within The Crown Estate production. This is correct as at 31 December 2016.
5. The tonnages exclude 2014 & 2015 tonnage corrections (late declarations and identified during audits) as detailed on page 14. In 2014 these totalled 15,668 tonnes : 18,813 tonnes for Primary Aggregate and -3,145 tonnes for Rivers and Miscellaneous and in 2015 they totalled 919,243 tonnes : -1,330 tonnes for Primary Aggregate, -321 tonnes relating to Beach Nourishment and 920,894 tonnes for Reclamation Fill.
6. The regional landing statistics totals will not equate to the amount dredged from each region due to the presence of the export market and movement of aggregate to meet differing home market demands.
7. An Official Port Listing is included (pages 15-16) which illustrates the individual landing locations (current and historic) and the standard name used within this document.

Summary 2016

1. REGIONAL DREDGING STATISTICS

Licences to Dredge Marine Minerals

Dredging Area	Permitted Removal *1	Primary Aggregates	Rivers and Miscellaneous	Secondary Aggregates		Total Removal
				Beach Nourishment	Reclamation Fill	
Humber	4,800,000	1,353,193	-	445,406	12,739	1,811,338
East Coast	9,314,667	4,306,762	-	-	-	4,306,762
Thames Estuary	2,700,000	1,940,976	-	-	-	1,940,976
East English Channel	10,000,000	4,647,445	-	-	-	4,647,445
South Coast	7,375,000	3,103,450	13,887	635,027	-	3,752,364
South West	1,699,900	1,184,903	-	-	-	1,184,903
North West	1,300,000	307,074	-	-	854,526	1,161,600
Total	37,189,567	16,843,803	13,887	1,080,433	867,265	18,805,388

2. REGIONAL LANDING STATISTICS

Humber / North East	674,932
East Coast	171,083
Thames Estuary	8,715,851
East English Channel	0
South Coast	3,026,378
South West	1,186,003
North West	302,431
Export	2,767,125
Primary Aggregates Total	16,843,803
Beach Nourishment / Reclamation Fill / Rivers and Misc	1,961,585
TOTAL LANDED	18,805,388

3. NATIONAL LANDING STATISTICS - PRIMARY AGGREGATES

England	13,393,287
Wales	683,391
Belgium	1,287,237
France	317,827
Netherlands	1,162,061
Primary Aggregates Total	16,843,803

*1 Relates to Average Annual Tonnages (total tonnage / term). This does not include specific permitted tonnages for Secondary Aggregates only.

Tonnages exclude 2014 & 2015 corrections. See accompanying notes and page 14 for details.

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2016**

LANDING LOCATIONS

TONNAGES

HUMBER / NORTH EAST

Blyth	29,904
River Humber Wharves	117,417
River Tees Wharves	215,142
River Tyne Wharves	312,469
Humber / North East Total	674,932

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2016**

LANDING LOCATIONS

TONNAGES

EAST COAST

Ipswich

171,083

East Coast Total

**-----
171,083**

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2016**

LANDING LOCATIONS

TONNAGES

THAMES ESTUARY

Cliffe	1,531,634
Dagenham	1,690,043
Denton	700,841
Erith	285,304
Greenhithe	241,382
Greenwich Wharves	2,980,732
Northfleet	569,494
River Medway & Swale Wharves	452,665
Thurrock	263,756

Thames Estuary Total

8,715,851

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2016**

LANDING LOCATIONS

TONNAGES

EAST ENGLISH CHANNEL

None

0

East English Channel Total

0

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2016**

LANDING LOCATIONS

TONNAGES

SOUTH COAST

Cowes	88,680
Langstone Harbour Wharves	541,981
Poole	71,806
Shoreham Harbour Wharves	1,254,255
Southampton Wharves	1,069,656

South Coast Total **3,026,378**

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2016**

LANDING LOCATIONS

TONNAGES

SOUTH WEST

Appledore	17,872
Avonmouth	440,376
Bridgwater	66,752
Burry Port	84,594
Cardiff	153,221
Newport (Wales)	273,751
Pembroke	42,911
Port Talbot	5,797
Swansea	91,310
Yelland	9,419
South West Total	1,186,003

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2016**

LANDING LOCATIONS

TONNAGES

NORTH WEST

Barrow	10,226
Liverpool Wharves	260,398
Penryhn	31,807
North West Total	302,431

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2016**

LANDING LOCATIONS

TONNAGES

EXPORT

Amsterdam	8,669
Antwerp	372,222
Boulogne	120,746
Bruges	164,710
Calais	44,335
Dunkirk	136,186
Flushing	994,246
Harlingen	152,262
Honfleur	16,560
Ijmuiden	6,884
Ostend	569,890
Zeebrugge	180,415

Export Total

2,767,125

**SUMMARY OF REGIONAL LANDING STATISTICS
FOR MARINE DREDGED SECONDARY AGGREGATES - 2016**

LANDING LOCATIONS	TONNAGES
 BEACH NOURISHMENT / RECLAMATION FILL / RIVERS & MISC	
Bournemouth	533,250
Eastbourne	30,451
Langstone Harbour Wharves	7,105
Lincshore	445,406
Littlestone	53,219
Liverpool 2	854,526
London Array	6,782
Pevensey	18,107
Wheatcroft Outfalls	12,739
Beach Nourishment / Reclamation Fill / Rivers & Misc Total	1,961,585

**SUMMARY OF NATIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2016**

LANDING LOCATIONS		TONNAGES
ENGLAND	Appledore	17,872
	Avonmouth	440,376
	Barrow	10,226
	Blyth	29,904
	Bridgwater	66,752
	Cliffe	1,531,634
	Cowes	88,680
	Dagenham	1,690,043
	Denton	700,841
	Erith	285,304
	Greenhithe	241,382
	Greenwich Wharves	2,980,732
	Ipswich	171,083
	Langstone Harbour Wharves	541,981
	Liverpool Wharves	260,398
	Northfleet	569,494
	Poole	71,806
	River Humber Wharves	117,417
	River Medway & Swale Wharves	452,665
	River Tees Wharves	215,142
	River Tyne Wharves	312,469
	Shoreham Harbour Wharves	1,254,255
	Southampton Wharves	1,069,656
	Thurrock	263,756
	Yelland	9,419
	England Total	13,393,287

**SUMMARY OF NATIONAL LANDING STATISTICS
FOR MARINE DREDGED PRIMARY AGGREGATES - 2016**

LANDING LOCATIONS		TONNAGES
WALES	Burry Port	84,594
	Cardiff	153,221
	Newport (Wales)	273,751
	Pembroke	42,911
	Penryhn	31,807
	Port Talbot	5,797
	Swansea	91,310
	Wales Total	683,391
BELGIUM	Antwerp	372,222
	Bruges	164,710
	Ostend	569,890
	Zeebrugge	180,415
	Belgium Total	1,287,237
FRANCE	Boulogne	120,746
	Calais	44,335
	Dunkirk	136,186
	Honfleur	16,560
	France Total	317,827
NETHERLANDS	Amsterdam	8,669
	Flushing	994,246
	Harlingen	152,262
	Ijmuiden	6,884
	Netherlands Total	1,162,061
	Total	16,843,803

2014 and 2015 Corrections

2014 CORRECTIONS

TONNAGES

LANDING LOCATIONS

Angerstein	23
Antwerp	12,258
Greenwich Wharves	4,400
London Array	- 3,145
Southampton Wharves	2,132
2014 Corrections Total	15,668

2015 CORRECTIONS

Clacton	- 321
Green Port Hull	269,159
Liverpool 2	651,735
Portsmouth Harbour Wharves	- 1,330
2015 Corrections Total	919,243
Total Corrections	934,911

OFFICIAL PORT LISTING (Current and Historic)

Region	Landing Port (Standard Name)	Wharves/Alternative Names
North East	Blyth	Blyth
Humber	Immingham	Immingham
	River Humber Wharves	Goole, Grimsby, Howden, Hull, Hull N&Y, Hull Northern Aggregates, Pyewipe, St Andrew's Quay
	River Tees Wharves	Able Tees, Billingham, Middlesbrough, Tees, Tees Sand, Terrc-Seaton
	River Tyne Wharves	Gateshead, Jarrow, Tyne
	Sunderland	Hendon, Hendon Dock, Sunderland
East Coast	Ipswich	Hanson/ARC Ipswich, Ipswich
	Lowesoft	Lowestoft
Thames Estuary	Barking	Barking, Docklands Wharf
	Cliffe	Alpha Wharf, Cliffe, North Sea Terminal
	Dagenham	Hanson/ARC Dagenham, Dagenham
	Denton	Denton, Denton B.A.D, Denton Sand, J Clubbs
	Erith	Erith, Pioneer Wharf
	Greenhithe	Greenhithe
	Greenwich Wharves	Angerstein, Blackwall Wharf, Charlton, Delta Wharf, Greenwich, Murphy's Wharf, Phoenix Wharf, Victoria Deep Wharf
	London Docklands Wharves (mostly disused)	Canning Town, Cargo Fleet Wharf, Clarence Wharf, East India Dock, Heron Quay, Millwall, Orchard Wharf, Peruvian Wharf, Rotherhithe, Silvertown, Thames Wharf, Thamesmead, Union Wharf, Victoria Wharf
	Northfleet	Northfleet, Northfleet Brett, Robin's Wharf
	River Medway & Swale Wharves	Queenborough, Ridham, Rochester, Rochester Hanson, Sheerness
Thurrock	Purfleet, Purfleet PAL, Thurrock	
East English Channel	Dover	Dover
	Newhaven	Newhaven, Cemex Newhaven
	Rye	Rye
South Coast	Cowes	Cowes, East Cowes, IOWA/Isle of Wight Aggregates, Kingston Wharf, Medina Wharf, Cemex/SCS West Cowes, TMD/UMD West Cowes, West Cowes
	Langstone Harbour Wharves	Bedhampton, Havant, Kendall's Wharf, Langstone, TMD/UMD Bedhampton
	Littlehampton	Littlehampton, TMD/UMD Littlehampton
	Newport, Isle of Wight	Blackhouse Quay (disused), Newport IoW, Solent Services, West Medina Mills (disused)
	Plymouth	Millbay, Plymouth, Stonehouse
	Poole	Poole
	Portsmouth Harbour Wharves	Fareham, Gosport, LRA Tipner, LRA Upper Wharf, Portsmouth
	Shoreham Harbour Wharves	Hanson/ARC Shoreham, Hall's Wharf, Hiedelberg Portslade, Kendall's Wharf Shoreham, Portslade, Cemex/SCS Shoreham, Shoreham, Shoreham Ferry Wharf, TMD/UMD Shoreham
	Southampton Wharves	Burnley Wharf, Dibles Wharf, Eling Wharf, JP Marks, JPM Super Wool, Leamouth, LRA Marchwood, Marchwood, Cemex/SCS Southampton, Southampton, Spitfire Wharf, Totton, TMD/UMD Burnley Wharf, Woolston
Channel Islands	Guernsey	Guernsey, St Sampson

OFFICIAL PORT LISTING (Current and Historic)

Region	Landing Port (Standard Name)	Wharves/Alternative Names
South West	Appledore	Appledore, Appledore Evans, Bidna
	Avonmouth	Avonmouth, BCA Avonmouth, Cemex/BDL Avonmouth, TMD/UMD Avonmouth
	Barnstaple	Barnstaple
	Barry	Barry
	Bridgwater	Bridgwater, Dunball Wharf
	Briton Ferry	Briton Ferry, Cemex Briton Ferry, Giant's Wharf, Hanson Briton Ferry, Ironworks, Riverside Wharf, Tarmac Briton Ferry
	Burry Port	Burry Port
	Cardiff	Cardiff, Empire Wharf, Roath Dock
	Newport, Wales	Alexandra Dock, Hanson/ARC Newport, East Bank/Ferry Terminal, Eastern Wharf, Newport, Newport (Wales), Newport 2
	Pembroke	Pembroke
	Port Talbot	Port Talbot
	Swansea	Prince of Wales Dock, Cemex/BDL Swansea, Swansea
North West	Barrow	Barrow
	Eastham	Eastham
	Glasson	Glasson
	Heysham	Heysham
	Liverpool Wharves	Albert Dock, Birkenhead, Bramley Moore Dock, Garston, Liverpool, Mersey Wharf
	Penrhyn	Penrhyn
Northern Ireland	Belfast	Belfast
Continental Europe	Amsterdam	Amsterdam, Amsterdam AGM, Amsterdam PAES, Hanson/CM/Hiedelberg Amsterdam, Steen Korrel
	Antwerp	Antwerp, Hanson/CM Antwerp, Kallo
	Breskens	Breskens
	Bruges	Bruges, Brugge, Hanson/CM Brugge
	Caen	Caen
	Calais	Calais
	Dunkirk	Hanson/CM Dunkirk Sand, Dunkerque, Dunkirk, Dunkirk Gravel, Dunkirk Sand, Mardyck
	Fecamp	Fecamp, Fecamp Mercier
	Flushing	Flushing, Vlissingen
	Gent	Gent, Kluizendok
	Harlingen	Harlingen
	Honfleur	Honfleur
	Ijmuiden	Ijmuiden
	Le Havre	Le Havre, Treguier
	Le Treport	Le Treport
	Nieupoort	Nieupoort
	Ostend	Ostend, Ostend ISG
	River Seine Wharves	Lillebonne, Rouen, St Wandrille, Vatteville, Vattewille-la-Rue
	River Somme Wharves	Vattier
	Roscoff	Roscoff
	Rotterdam	De Hoop Rotterdam, Europoort, Rotterdam, Schiemond
	Sluiskil	NL Sluiskil, Sluiskil
	Terneuzen	Terneuzen
	Zeebrugge	Zeebrugge, Zeebrugge DVSII, Zeebrugge Hanson