

MARINE AGGREGATES

THE CROWN ESTATE LICENCES

SUMMARY OF STATISTICS 2024

I N D E X

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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 area dredged materials removed purely for navigational reasons and not used beneficially.
2. All the statistics relate to royalty returns for the 2024 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 tonnages shown within this report refers to the tonnage permitted within The Crown Estate production agreement. This is correct as at 31st December 2024.
5. The tonnages exclude corrections relating to late declarations and those identified during the audits.
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. The county landing statistics for England are based on ceremonial counties and preserved counties for Wales.
8. An Official Port Listing is included (pages 17-18), which illustrates the individual landing locations (current and historic) and the standard name used within this document.

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	6,875,000	3,322,730		655,235		3,977,965
East Coast	7,125,000	3,103,817				3,103,817
Thames Estuary	4,700,000	1,386,404			544,755	1,931,159
East English Channel	11,966,667	3,811,567			567,575	4,379,141
South Coast	7,575,000	3,810,689		33,280		3,843,969
South West	2,799,998	1,286,924		61,845		1,348,769
North West	900,000	232,469	95,409			327,877
Total	41,941,665	16,954,599	95,409	750,360	1,112,330	18,912,697

2. Regional Landing Statistics

Humber / North East	1,194,368
East Coast	365,858
Thames Estuary	6,901,236
East English Channel	592,442
South Coast	2,424,818
South West	1,285,079
North West	232,469
Export	3,958,329
Primary Aggregates Total	16,954,599
Beach Nourishment / Reclamation Fill / Rivers and Misc	1,958,098
TOTAL LANDED	18,912,697

3. National Landing Statistics - Primary Aggregate

England	12,290,288
Wales	705,982
Belgium	1,147,683
France	109,791
Netherlands	2,700,855
Primary Aggregates Total	16,954,599

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

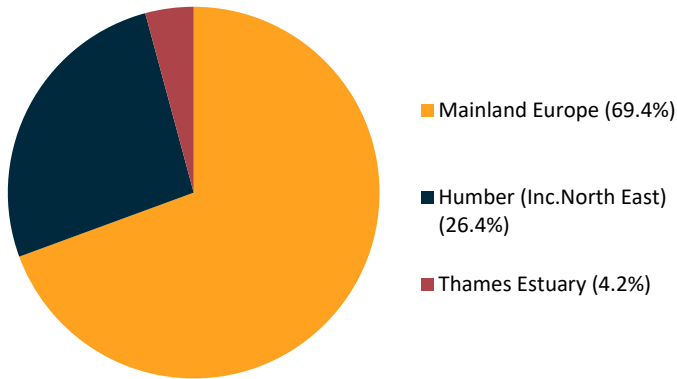
Tonnages exclude corrections. See note 5 on page 1.

The Humber region

Tonnage delivered to landing locations in the region

Landing locations	2024 tonnages
Blyth	47,205
River Humber Wharves	231,907
River Tees Wharves	630,841
River Tyne Wharves	284,415
Humber / North East Total	1,194,368

During 2024 material extracted from the region delivered to:



3.32

million tonnes of primary aggregate were extracted out of the permitted **6.87 million tonnes** from **10 licences***

0.65

million tonnes of aggregate were extracted for **Beach Nourishment**

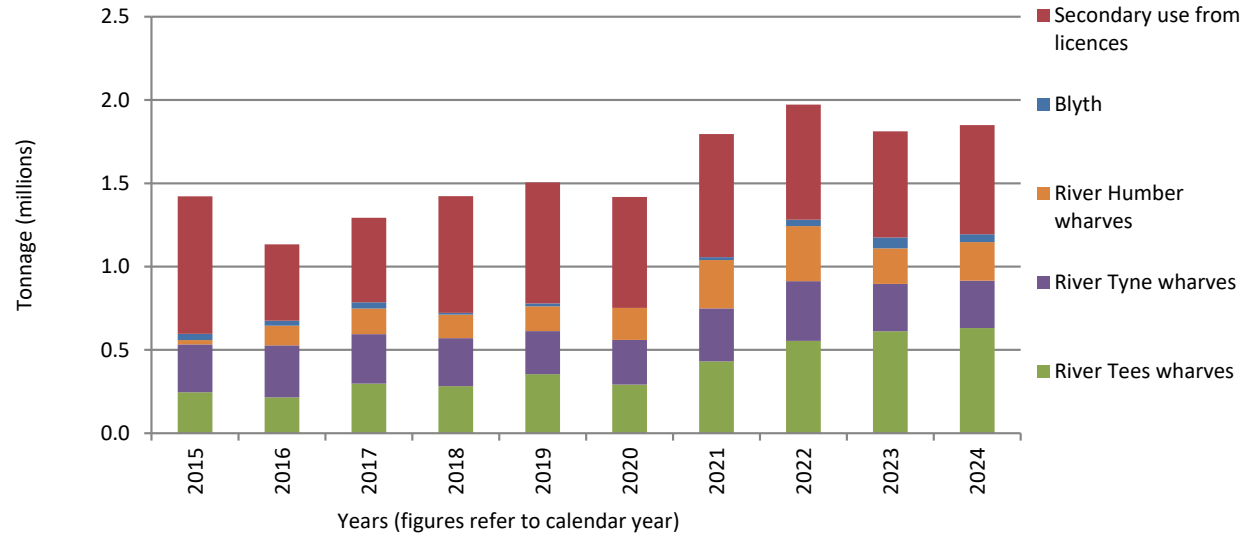
13

Current estimates suggest there are **13 years** of primary aggregate production permitted *

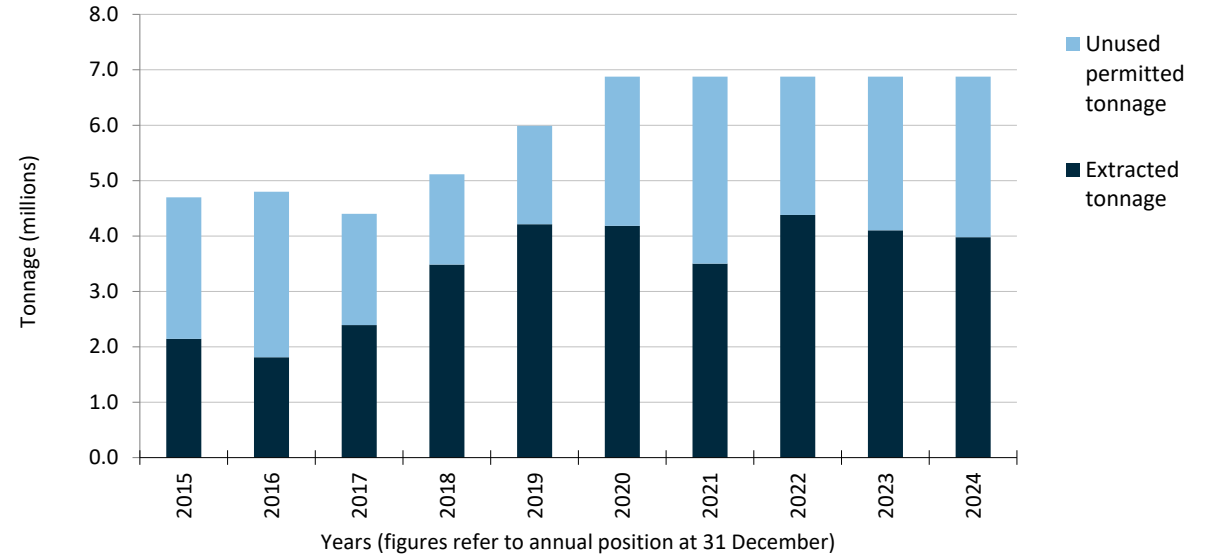
5

Current application for a licence could, if approved **increase** the permitted tonnage by **5.8 million tonnes** annually *

Delivery of Marine Aggregate to the region



Permitted and extracted tonnage



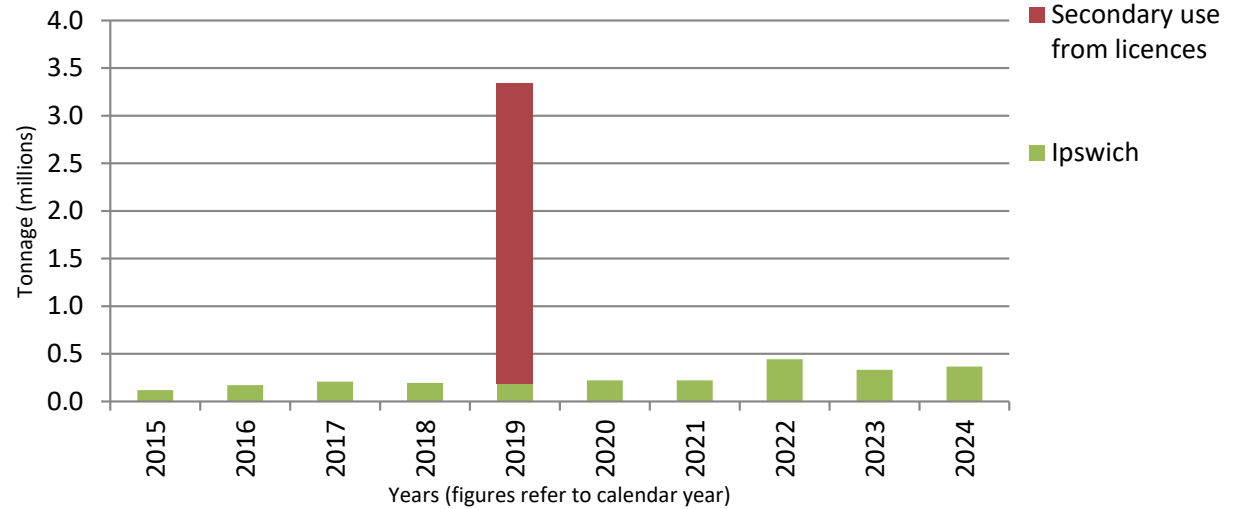
* As at March 2025

The East Coast region

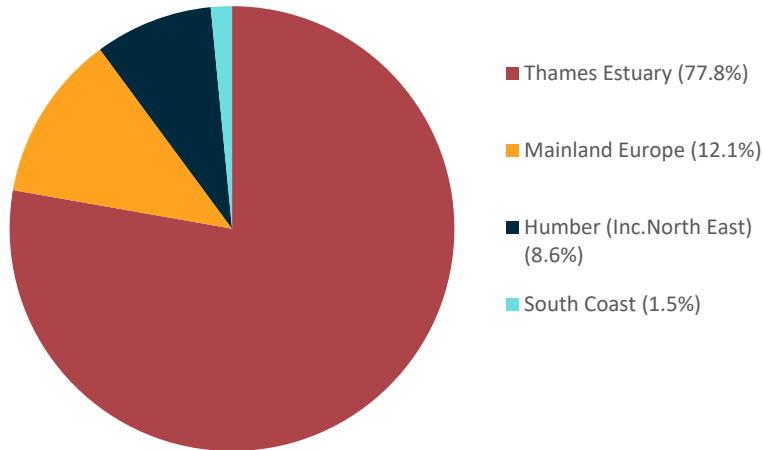
Tonnage delivered to landing locations in the region

Landing locations	2024 tonnages
Ipswich Wharves	365,858
East Coast Total	365,858

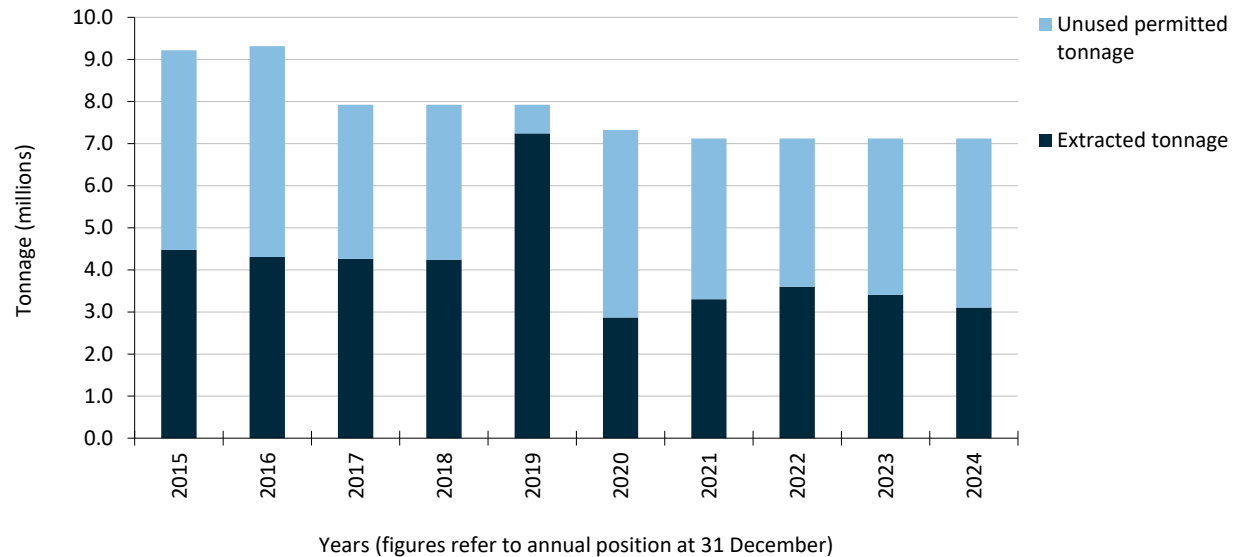
Delivery of Marine Aggregate to the region



During 2024 material extracted from the region delivered to:



Permitted Extracted tonnage



3.10

million tonnes of primary aggregate were extracted out of the permitted **7.1 million tonnes** from **11 licences***

No marine aggregate was extracted for **Beach Nourishment**

8

Current estimates suggest there are **8 years** of primary aggregate production permitted *

1

Current application for a licence could, if approved **increase** the permitted tonnage by **0.65 million tonnes** annually*

* As at March 2025

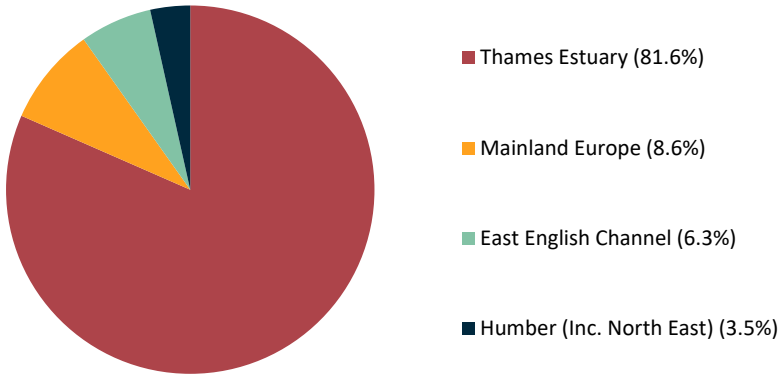
The Thames region

Tonnage delivered to landing locations in the region

Landing locations	2024 tonnages
Barking	6,858
Cliffe	1,303,888
Dagenham	1,865,086
Denton	366,650
Gravesend	138,616
Greenwich Wharves	1,701,990
Greenhithe	328,897
Isle of Grain	3,918
Northfleet	535,311
River Medway & Swale wharves	399,413
Swale Wharves	33,596
Tilbury	217,014

Thames Estuary Total **6,901,236**

During 2024 material extracted from the region delivered to:



1.39

million tonnes of primary aggregate were extracted out of the permitted **4.7 million tonnes** from **8 licences***

0.54

million tonnes of aggregate were extracted for **Reclamation and Fill**

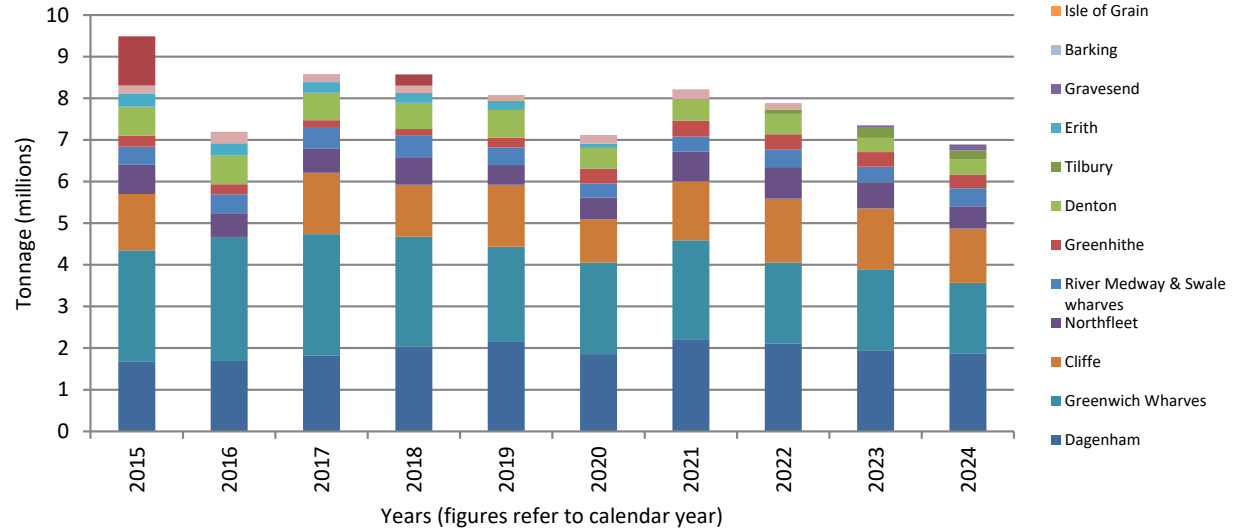
18

Current estimates suggest there are **18 years** of primary aggregate production permitted *

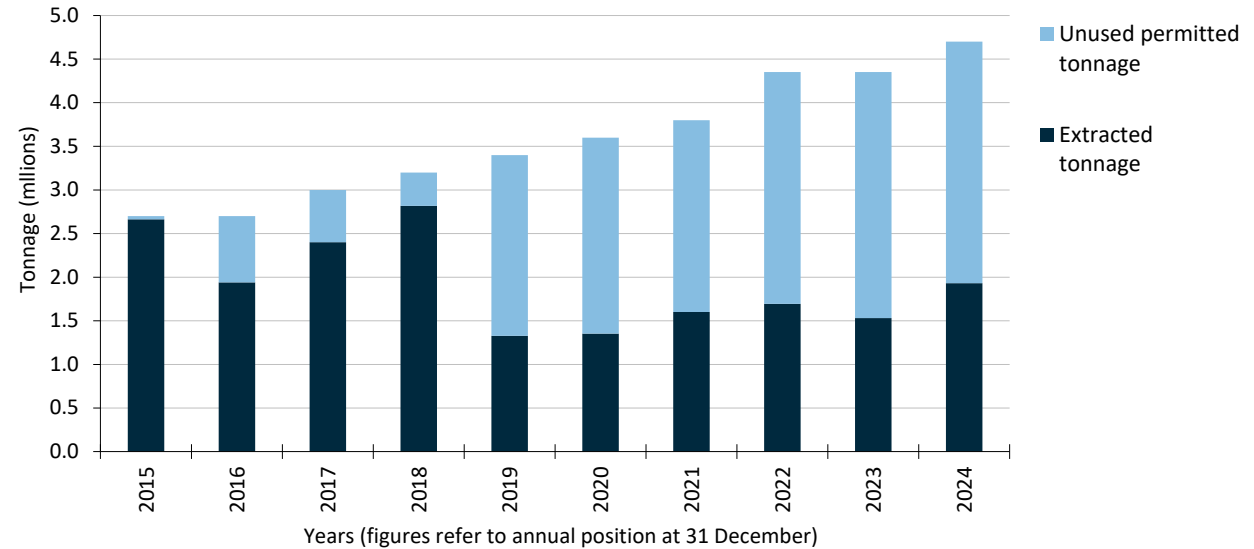
1

Current application for a licence could, if approved **increase** the permitted tonnage by **0.7 million tonnes** annually*

Delivery of marine aggregate to the region:



Permitted and extracted tonnage



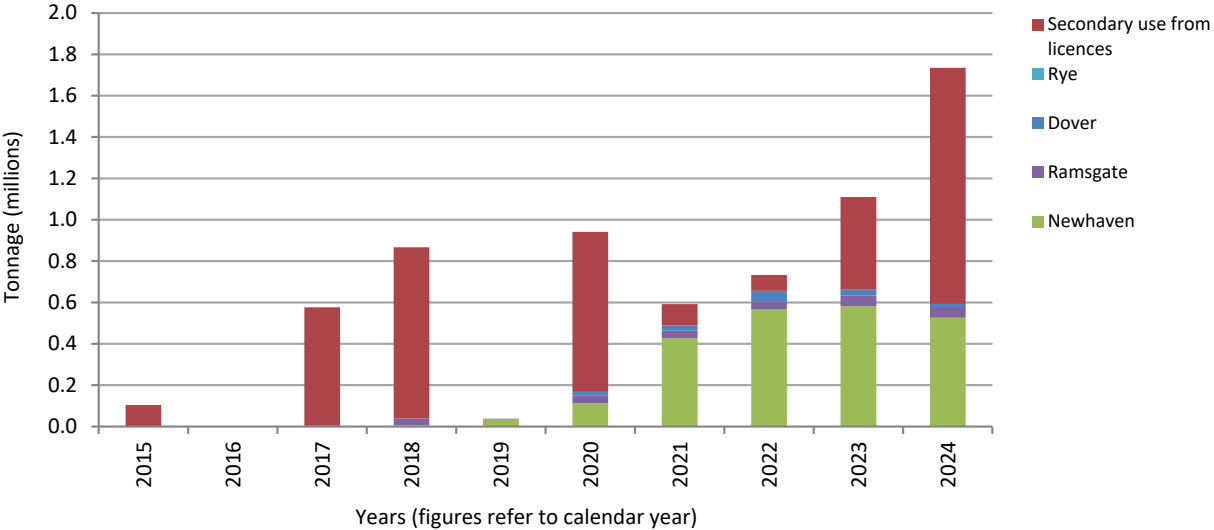
* As at March 2025

The East English Channel region

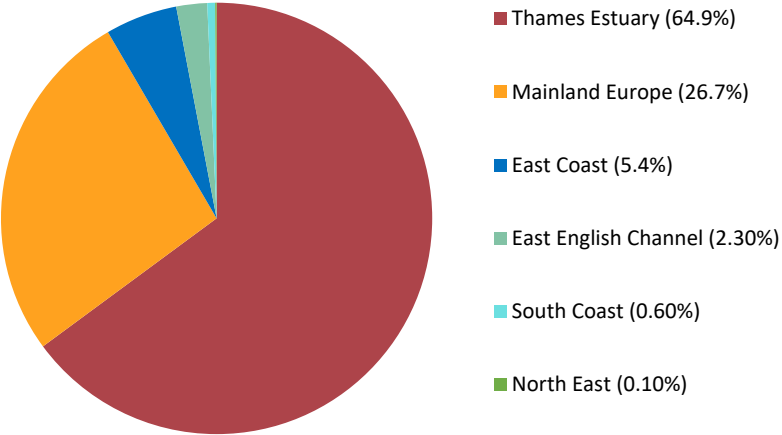
Tonnage delivered to landing locations in the region

Landing locations	2024 tonnages
Dover	14,544
Newhaven	526,549
Ramsgate	51,349
East English Channel Total	592,442

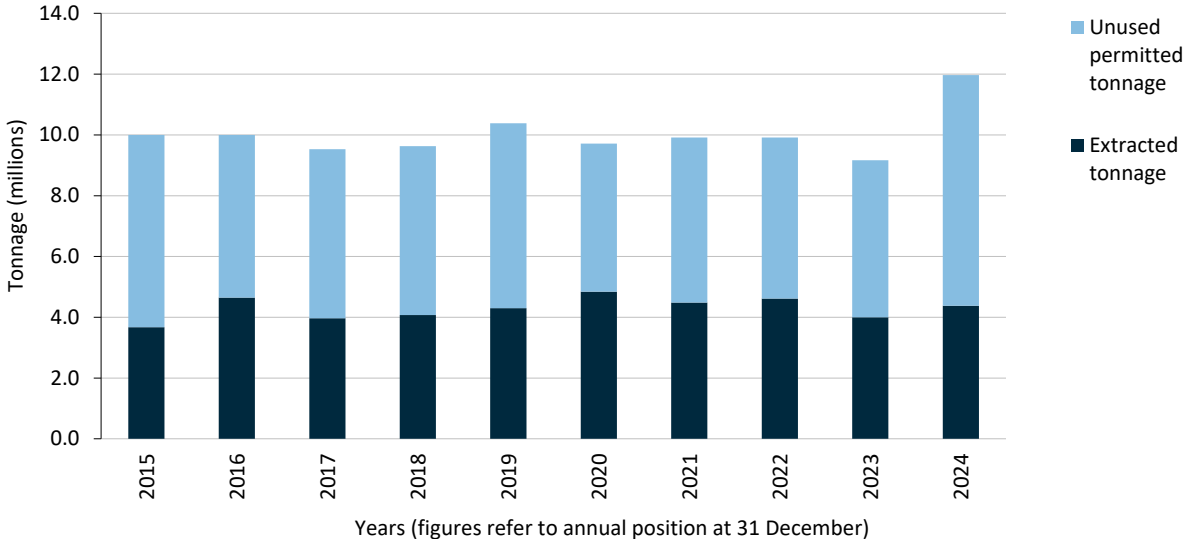
Delivery of marine aggregate to the region:



During 2024 material extracted from the region delivered to:



Permitted and extracted tonnage



3.81

million tonnes of primary aggregate were extracted out of the permitted **11.9 million tonnes** from **12 licences***

0.57

million tonnes of aggregate were extracted for **Reclamation and Fill**

47

Current estimates suggest there are **47 years** of primary aggregate production permitted *

4

Current application for a licence could, if approved **increase** the permitted tonnage by **4.5 million tonnes** annually *

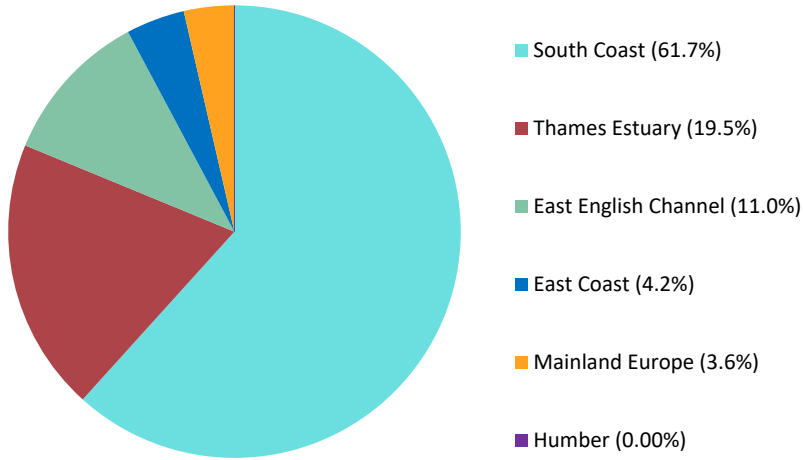
* As at March 2025

The South Coast region

Tonnage delivered to landing locations in the region

Landing locations	2024 tonnages
Cowes	38,200
Langstone Harbour Wharves	625,044
Poole	40,722
Shoreham Harbour Wharves	856,255
Southampton Wharves	864,598
South Coast Total	2,424,818

During 2024 material extracted from the region delivered to:



3.81

million tonnes of primary aggregate were extracted out of the permitted **7.5 million tonnes** from **15 licences***

0.03

million tonnes of aggregate were extracted for **Beach Nourishment**

17

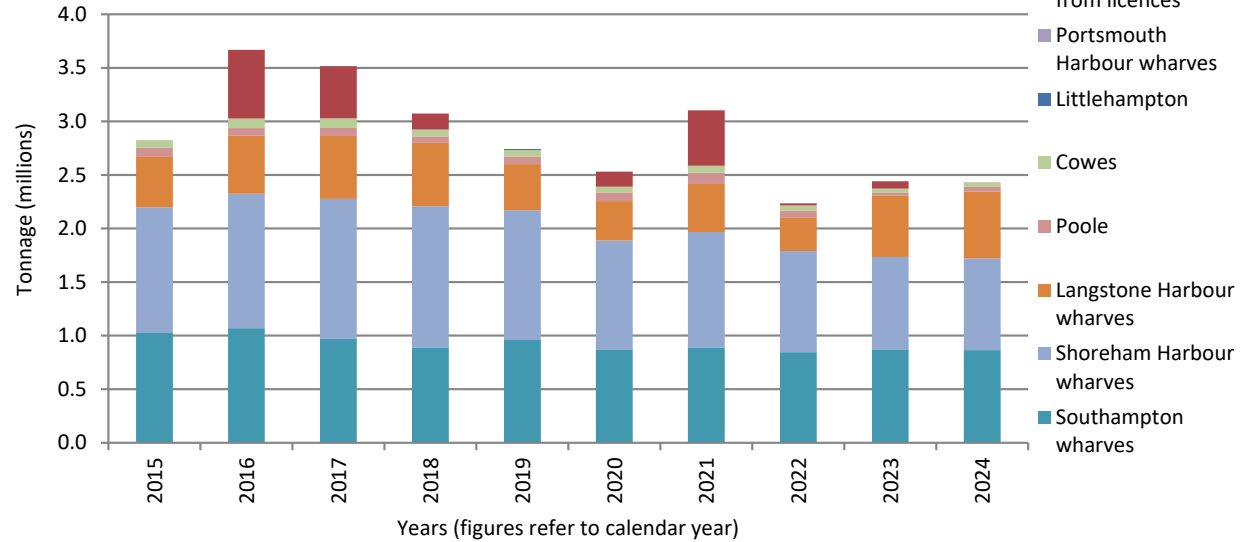
Current estimates suggest there are **17 years** of primary aggregate production permitted *

2

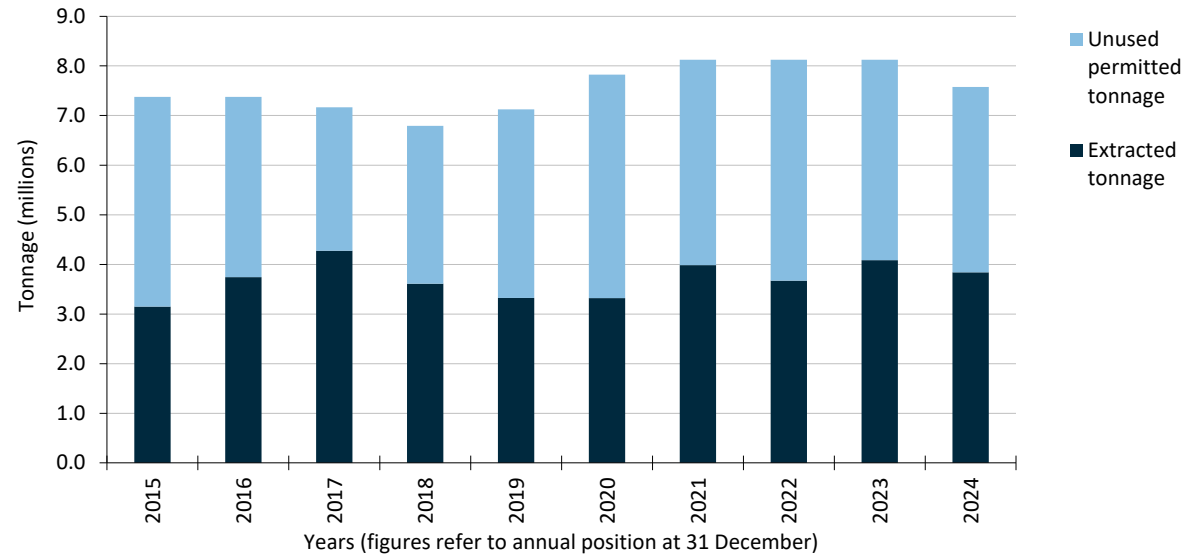
Current application for a licence could, if approved **increase** the permitted tonnage by **1 million tonnes** annually *

* As at March 2025

Delivery of Marine aggregate to the region:



Permitted and extracted tonnage



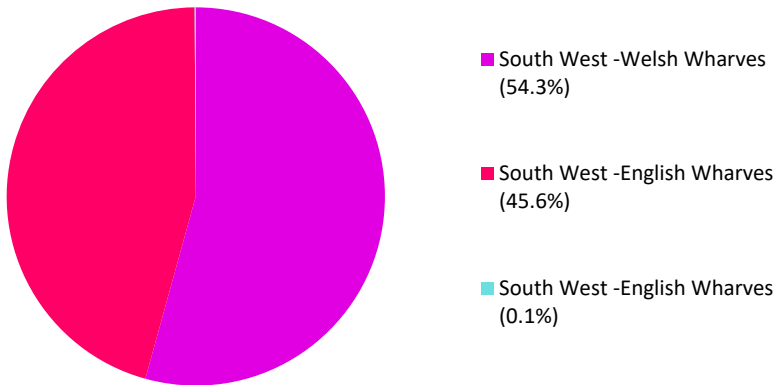
The South West region

Tonnage delivered to landing locations in the region

Landing locations	2024 tonnages
Avonmouth	509,846
Burry Port	191,991
Cardiff	166,724
Hinkley	76,190
Newport	271,358
Pembroke	20,320
Port Talbot	5,507
Swansea	43,143

South West Total **1,285,079**

During 2024 material extracted from the region delivered to:



1.28

million tonnes of primary aggregate were extracted out of the permitted **2.8 million tonnes** from **9 licences***

0.06

million tonnes of aggregate were extracted for **Beach Nourishment**

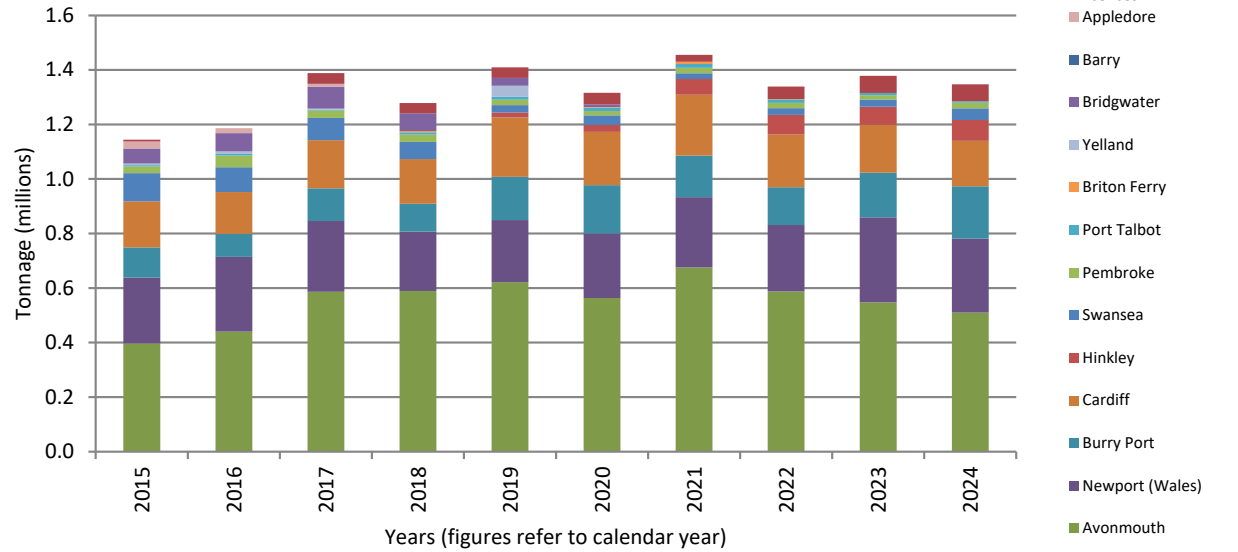
21

Current estimates suggest there are **21 years** of primary aggregate production permitted *

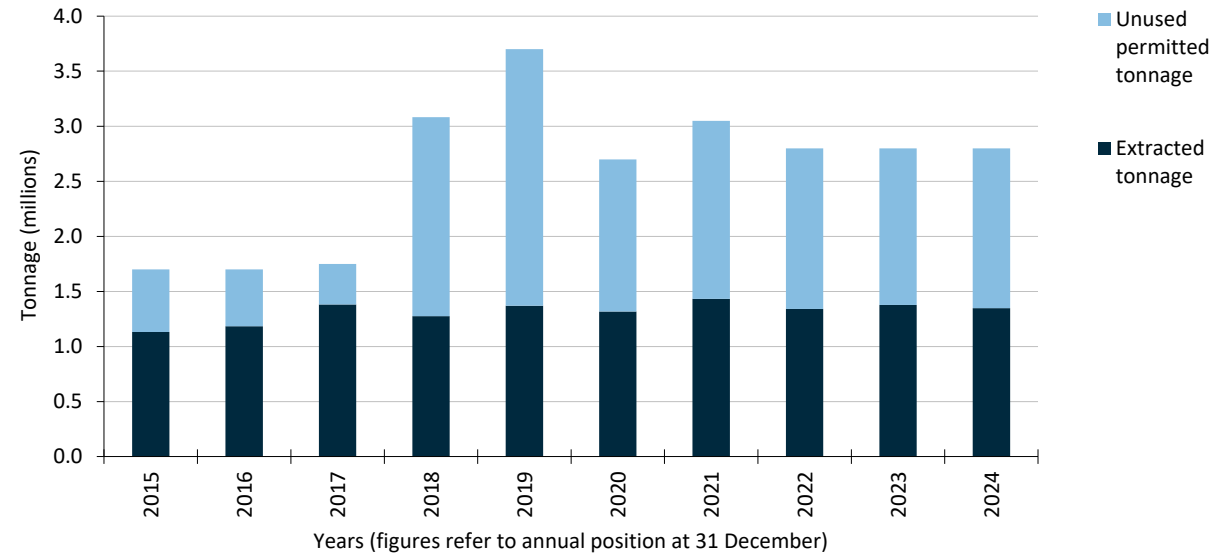
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There are currently **no applications** for new licences in the South West *

Delivery of marine aggregate to the region:



Permitted and Extracted tonnage



* As at March 2025

The North West region

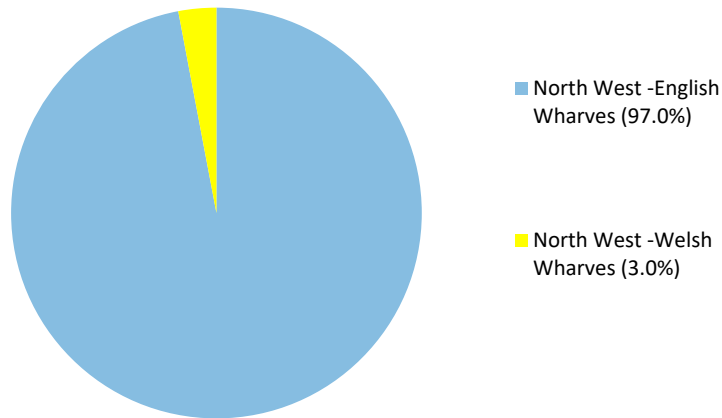
Tonnage delivered to landing locations in the region

Landing locations 2024 tonnages

Liverpool Wharves 225,530
 Penrhyn 6,939

North West Total 232,469

During 2024 material extracted from the region delivered to:



0.23

million tonnes of primary aggregate were extracted out of the permitted **0.9 million tonnes** from **2 licences***

0.09

million tonnes of aggregate were extracted for **Rivers and Miscellaneous**

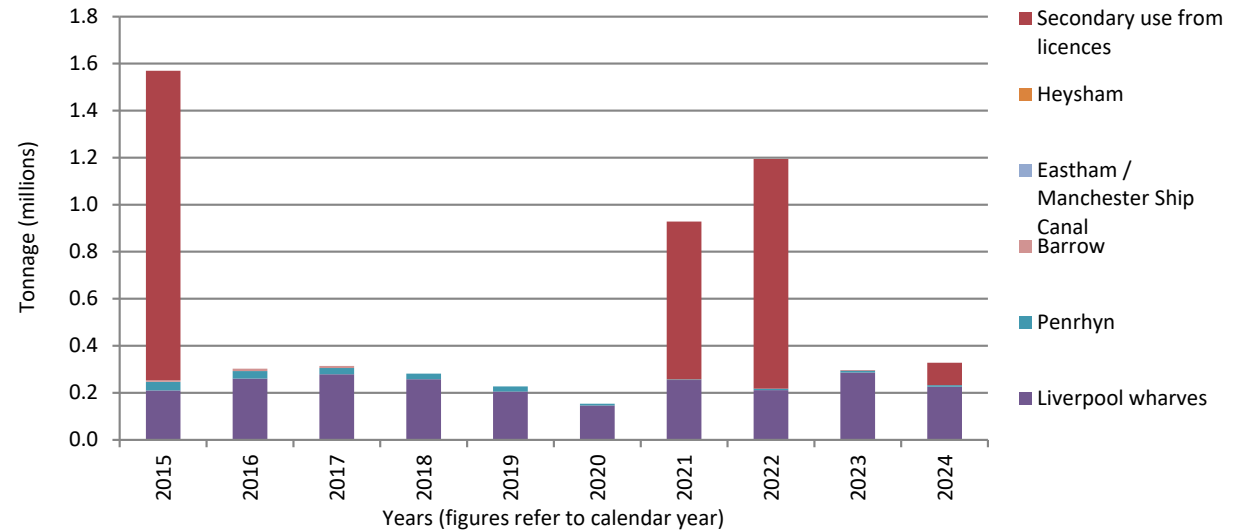
36

Current estimates suggest there are **36 years** of primary aggregate production permitted *

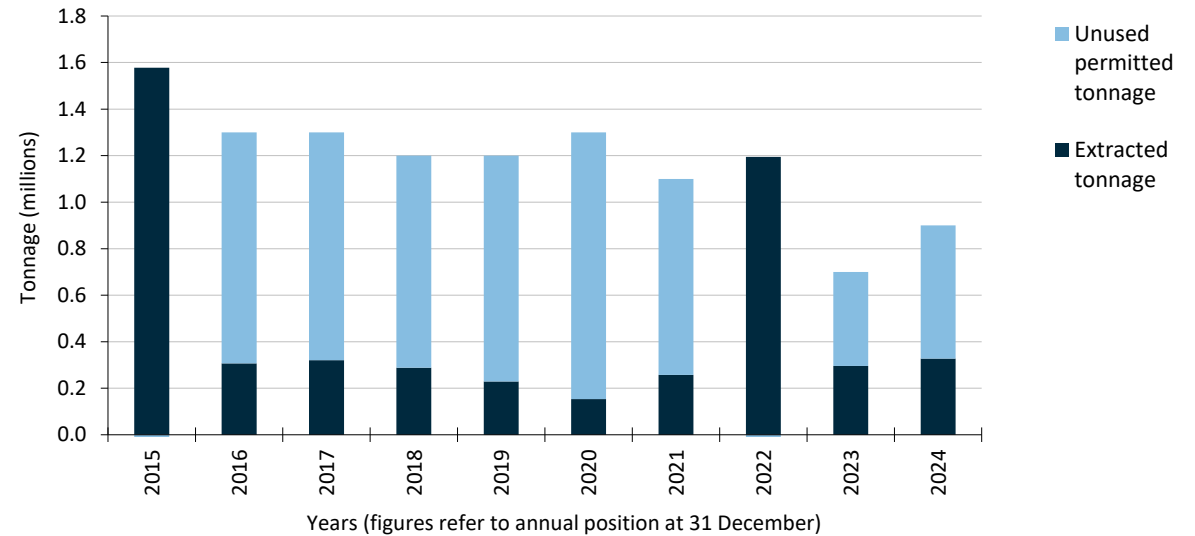
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There are currently **no applications** for new licences in the North West *

Delivery of marine aggregate to the region:



Permitted and Extracted tonnage



* As at March 2025

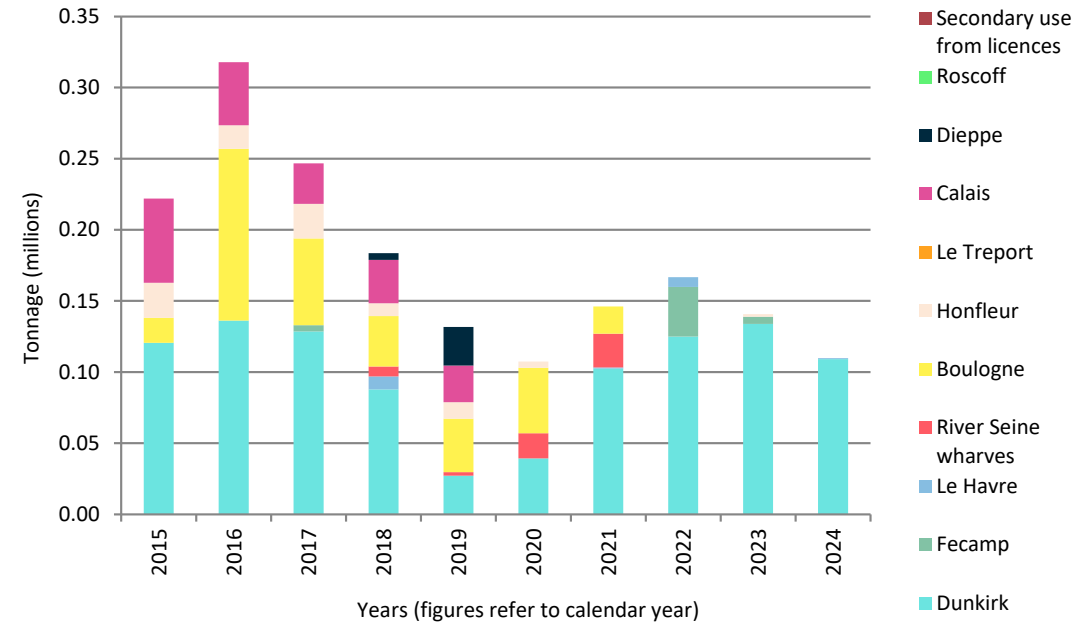
Exports

Tonnage delivered to landing locations in the region

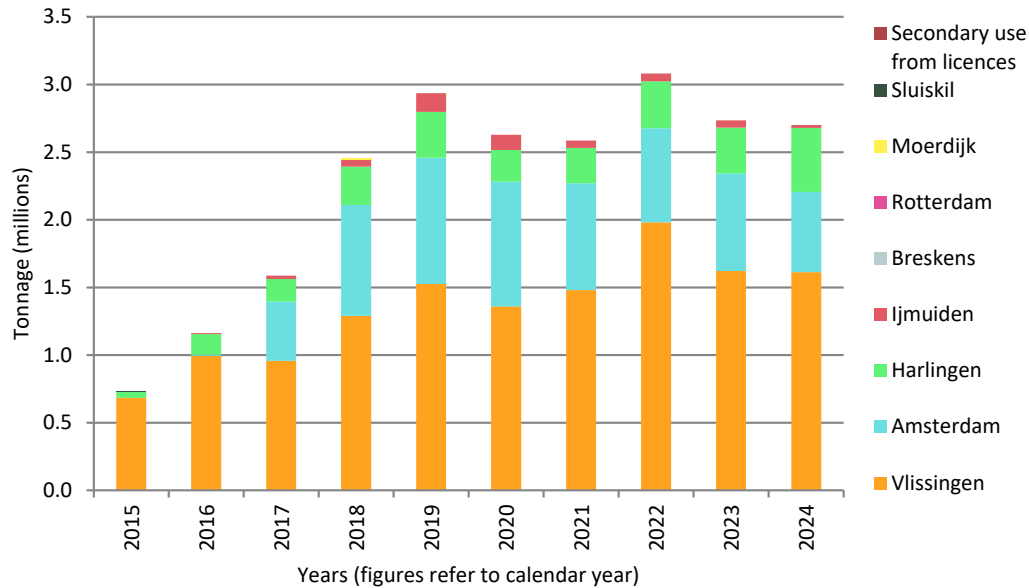
Landing locations	2024 tonnages
Amsterdam	593,369
Antwerp	230,713
Bruges	430,577
Dunkirk	109,107
Gent	23,825
Harlingen	472,291
Ijmuiden	21,630
Izegem	3,225
Le Havre	683
Nieuwpoort	58,410
Ostend	276,825
Vlissingen	1,613,565
Wielsbeke	10,875
Zeebrugge	113,234

Export Total **3,958,329**

Delivery of marine aggregates to France



Delivery of marine aggregate to The Netherlands:



Delivery of marine aggregate to Belgium



Secondary use aggregate

Beach nourishment/reclamation fill/rivers and miscellaneous

LANDING LOCATIONS	TONNAGES
Pevensey Beach	30,165
Southsea	3,116
Lincshore	655,235
Yelland (Beach)	61,845
Beach Nourishment Total	750,360

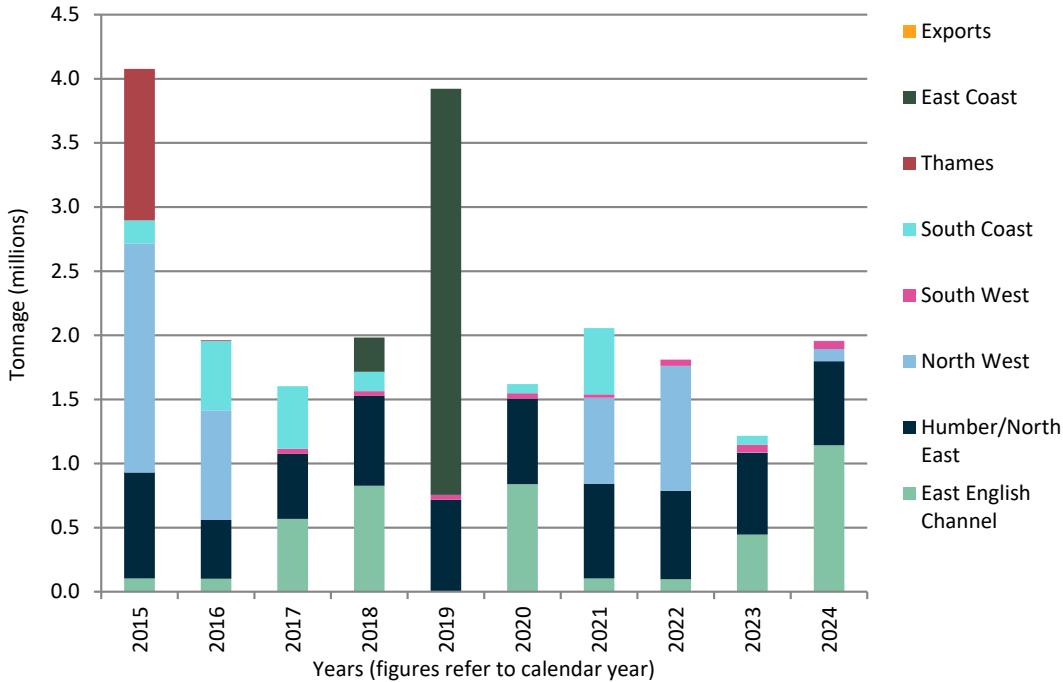
Reclamation and Fill landing locations

Landing locations	2024 tonnages
Dover Reclamation	1,112,330
Reclamation and Fill Total	1,112,330

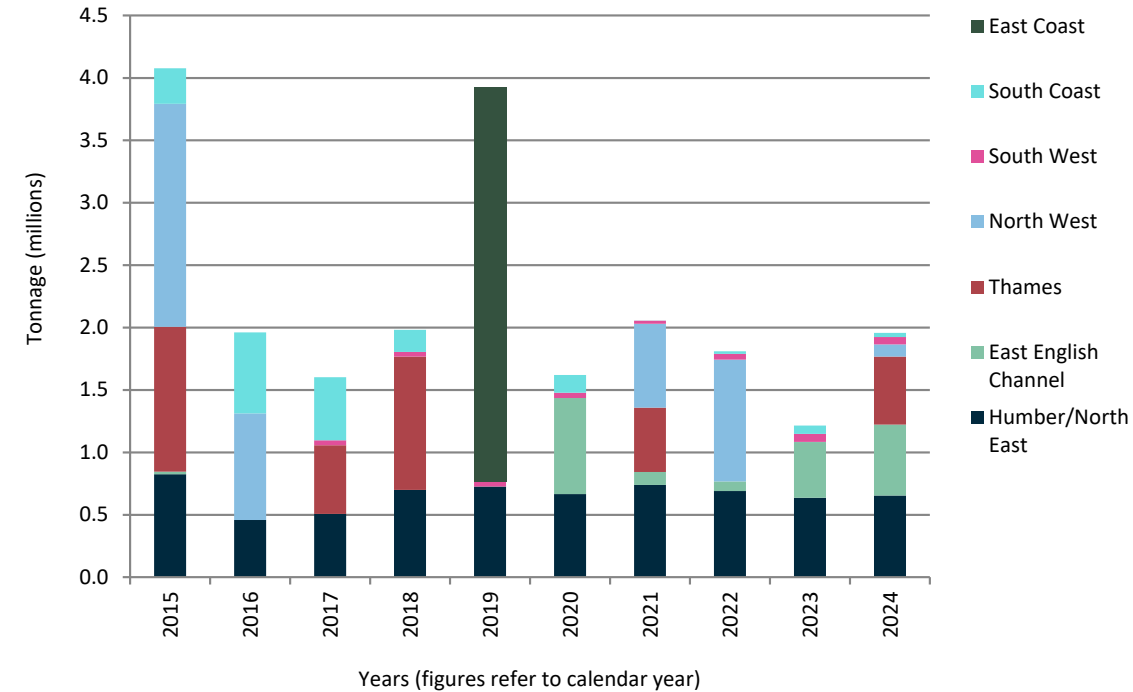
Rivers and Miscellaneous landing locations

Landing locations	2024 tonnages
River Mersey Wharves	95,409
Rivers and Miscellaneous Total	95,409

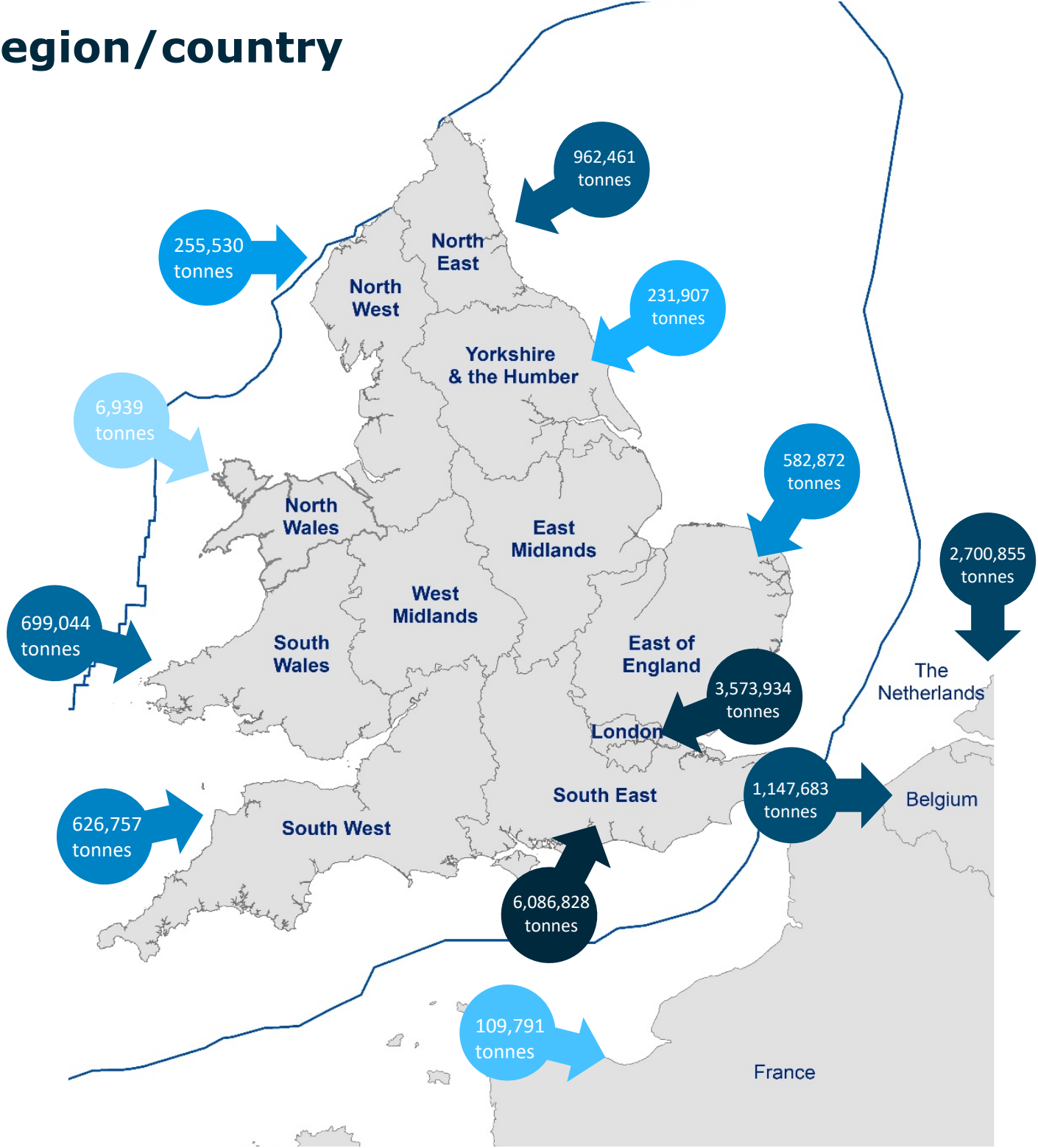
Secondary use discharge regions



Secondary use aggregate dredged from regions:



Delivery by region/country



Reserves and Resources

Region	Total current primary reserves	10-year average annual offtake	3-year average annual offtake	Peak annual offtake during 10-year period*	Annual permitted offtake (as March 2024)	Regional reserve life @ 10-year average annual offtake
		Primary (construction aggregate)				
Humber	36.76	2.83	3.49	3.69	6.88	12.97
East Coast	28.27	3.77	3.37	4.48	7.13	7.51
Thames Estuary	29.24	1.59	1.54	1.94	4.70	18.34
East English Channel	195.05	4.11	3.97	4.65	11.97	47.46
South Coast	60.64	3.53	3.83	4.02	7.58	17.16
South West	26.96	1.30	1.30	1.43	2.80	20.82
North West	9.20	0.26	0.25	0.32	0.90	35.93
TOTAL	386.12	17.39	17.74	18.10	41.94	22.20

All figures are in millions of tonnes

*Totals are national peaks, not the sum of regional figures

Reserves and Resource

The PERC code defines “**reserves**” as the proportion of a mineral “**resource**” that can be mined for economic purposes

22

Current national estimates suggest there are **22 years** of primary marine aggregate production permitted

386

Million tonnes estimated national primary reserve

Summary of National Landing Statistics for Marine Dredged Primary Aggregates - 2024

England	Avonmouth	509,846	Belgium	Antwerp	230,713	
	Barking	6,858		Bruges	430,577	
	Blyth	47,205		Gent	23,825	
	Cliffe	1,303,888		Izegem	3,225	
	Cowes	38,200		Nieuwpoort	58,410	
	Dagenham	1,865,086		Ostend	276,825	
	Denton	366,650		Wielsbeke	10,875	
	Dover	14,544		Zeebrugge	113,234	
	Gravesend	138,616				
	Greenwich Wharves	1,701,990		Belgium Total	1,147,683	
	Greenhithe	328,897				
	Hinkley	76,190				
	Ipswich	365,858				
	Isle of Grain	3,918		France	Dunkirk	109,107
	Langstone Harbour Wharves	625,044			Le Havre	683
	Liverpool Wharves	225,530			France Total	109,791
	Newhaven	526,549				
	Northfleet	535,311		Netherlands	Amsterdam	593,369
	Poole	40,722			Harlingen	472,291
	Ramsgate	51,349			Ijmuiden	21,630
River Humber Wharves	231,907	Vlissingen	1,613,565			
River Medway Wharves	399,413	Netherlands Total	2,700,855			
River Tees Wharves	630,841					
River Tyne Wharves	284,415					
Shoreham Harbour Wharves	856,255					
Southampton Wharves	864,598	Total	16,954,599			
Swale Wharves	33,596					
Tilbury	217,014					
England Total	12,290,288					
Wales	Burry Port	191,991				
	Cardiff	166,724				
	Newport	271,358				
	Pembroke	20,320				
	Penrhyn	6,939				
	Port Talbot	5,507				
	Swansea	43,143				
	Wales Total	705,982				

Summary of County Landing Statistics for Marine Dredged Primary Aggregates - 2024

ENGLAND	Bristol	509,846
	Dorset	40,722
	East Riding of Yorkshire	226,349
	East Sussex	835,282
	Greater London	3,790,948
	Hampshire	1,489,642
	Isle of Wight	38,200
	Kent	1,479,752
	Lincolnshire	5,558
	Medway	1,696,429
	Merseyside	225,530
	Middlesbrough	168,131
	North Yorkshire	462,710
	Northumberland	47,205
	Somerset	76,190
	Suffolk	365,858
	Tyne and Wear	284,415
	West Sussex	547,522
	England Total	12,290,288
WALES	Carmarthenshire	191,991
	Gwent	271,358
	Gwynedd	6,939
	Pembrokeshire	20,320
	South Glamorgan	166,724
	West Glamorgan	48,650
		Wales Total

OFFICIAL PORT LISTING

Region	Landing Port (Standard Name)	Wharves/Alternative Names
North East	Blyth	Blyth
Humber	Immingham	Immingham
	Lincshore	Lincshore
	River Humber Wharves	Goole, Grimsby, Howden, Hull, Hull N&Y, Hull Northern Aggregates, Pyewipe, St Andrew's Quay, Stema Hull
	River Tees Wharves	Able Tees, Billingham, Middlesbrough, Tees, Tees Sand, Seaton, Middlesbrough Dawsons, TCP East Quay (Shire Aggregates)
	River Tyne Wharves	Gateshead, Jarrow, Tyne, Jarrow Wharf (Cemex)
	Sunderland	Hendon, Hendon Dock, Sunderland
East Coast	Bacton	Bacton
	Ipswich	Hanson/ARC Ipswich, Ipswich, East Coast Marine Aggregates
	Lowestoft	Lowestoft
Thames Estuary	Barking	Barking, Docklands Wharf
	Cliffe	Alpha Wharf, Cliffe, North Sea Terminal
	Dagenham	Hanson/ARC Dagenham, Dagenham, Dagenham Deport (Cemex)
	Denton	Denton, Denton B.A.D, Denton Sand, J Clubbs
	Erith	Erith, Pioneer Wharf
	Felixstowe	Felixstowe
	Greenhithe	Greenhithe, Hanson Greenhithe
	Greenwich Wharves	Angerstein, Blackwall Wharf, Charlton, Delta Wharf, Greenwich, Murphy's Wharf, Phoenix Wharf, Victoria Deep Wharf
	Isle of Grain	Isle Of Grain
	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
	Swale Wharves	Ridham, Queenborough
	Tilbury	Tilbury Stema
	Thurrock	Purfleet, Purfleet PAL, Thurrock, West Thurrock
East English Channel	Dover	Dover
	Hythe	Hythe
	Lydd	Lydd
	Newhaven	Newhaven, Cemex Newhaven
	Ramsgate	Ramsgate
	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
	Eastbourne	Eastbourne Beach
	Elmer	Elmer Beach
	Langstone Harbour Wharves	Bedhampton, Havant, Kendall's Wharf, Langstone, TMD/UMD Bedhampton/ Portsmouth
	Littlehampton	Littlehampton, TMD/UMD Littlehampton
	Newport, Isle of Wight	Blackhouse Quay (disused), Newport IoW, Solent Services, West Medina Mills (disused)
	Pevensey	Pevensey Beach
	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, Heidelberg 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, Southampton (Fawley), Spitfire Wharf, Totton, TMD/UMD Burnley Wharf, Woolston
	Southsea	Southsea

Channel Islands	Guernsey	Guernsey, St Sampson
South West	Appledore	Appledore, Appledore Evans, Bidna
	Avonmouth	Avonmouth, BCA Avonmouth, Cemex/BDL Avonmouth, Hanson Avonmouth, Remix 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, TMD Cardiff, Cemex Cardiff, Hanson Cardiff, Empire Wharf, Roath Dock
	Hinkley	Hinkley Jetty
	Newport, Wales	Alexandra Dock, Hanson/ARC Newport, East Bank/Ferry Terminal, Eastern Wharf, Newport, Newport (Wales), Newport 2
North West	Pembroke	Pembroke
	Port Talbot	Port Talbot
	Swansea	Prince of Wales Dock, Cemex/BDL Swansea, Swansea
	Yelland	Yelland
	Barrow	Barrow
	Eastham	Eastham
Northern Ireland	Glasson	Glasson
	Heysham	Heysham
	Liverpool Wharves	Albert Dock, Birkenhead, Bramley Moore Dock, Garston, Liverpool, Mersey Wharf, Mostyn
	Penrhyn	Penrhyn
	Belfast	Belfast
	Amsterdam	Amsterdam, Amsterdam AGM, Amsterdam PAES, Hanson/CM/Hiedelberg Amsterdam, Steen Korrel
Continental Europe	Antwerp	Antwerp, Hanson/CM Antwerp, Kallo, Antwep Sands
	Breskens	Breskens
	Boulogne	Boulogne, Boulogne-sur-mer
	Bruges	Alzagri, Bruges, Brugge, Hanson/CM Brugge
	Caen	Caen
	Calais	Calais
	Dieppe	Dieppe
	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
	Izegem	Izegem
	Le Havre	Le Havre, Treguier
	Le Treport	Le Treport
	Moerdijk	Moerdijk
	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
Thyboron	Thyboron	
Zeebrugge	Zeebrugge, Zeebrugge DVSII, Zeebrugge Hanson	