

# Marine Aggregates in the Severn Estuary

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British Marine Aggregate Producers Association



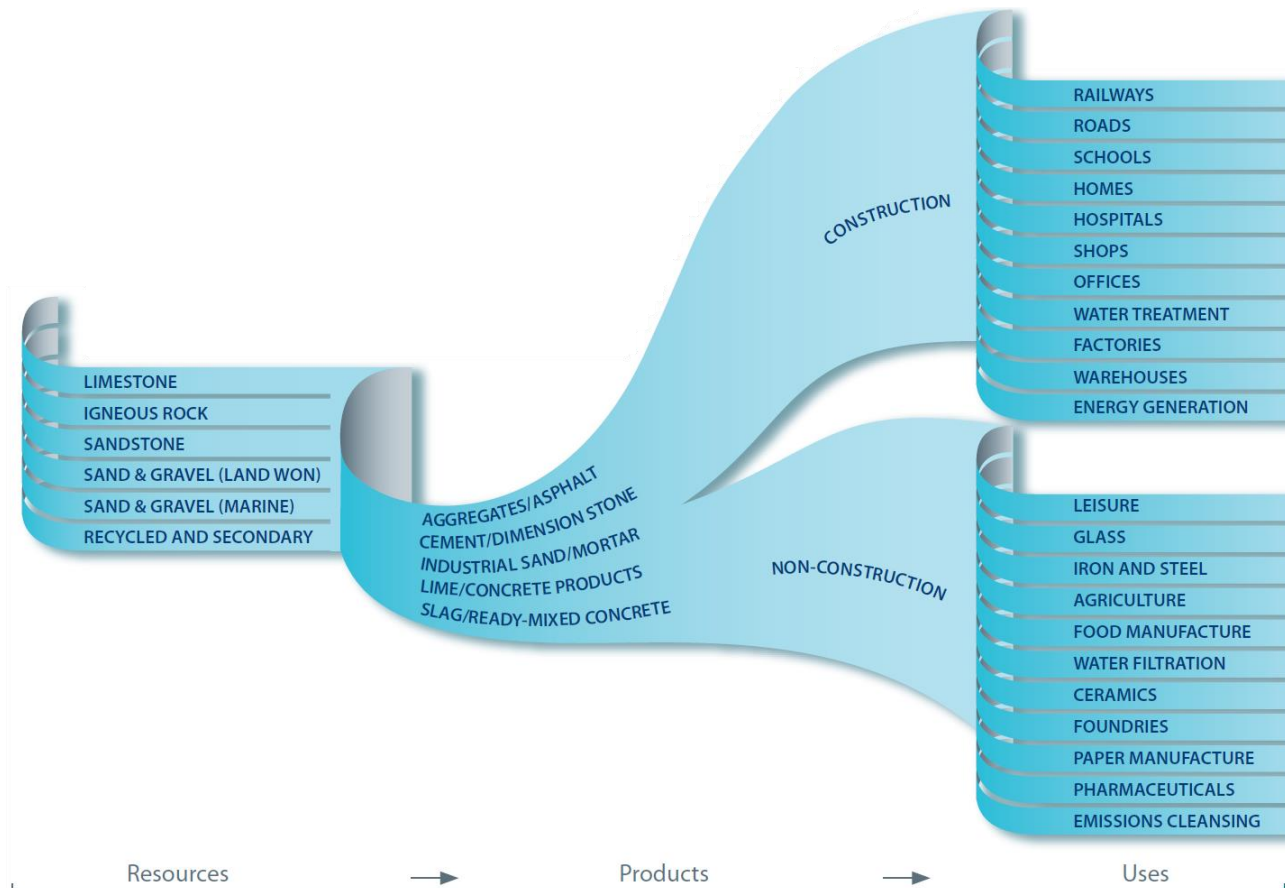
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- Facts and figures
- Licence areas past and present
- Current application areas



# Context

- Minerals are essential
- Represent the largest material flow in the GB economy
- Represent 1m tonnes of raw materials and products every day





**Construction aggregates represent the largest of these flows:**  
GB construction aggregates: 247 Mt pa (2016), of which:

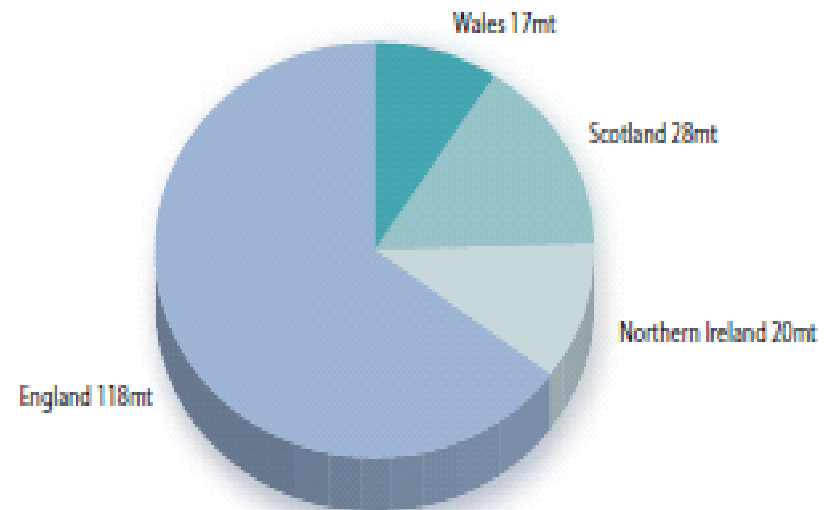
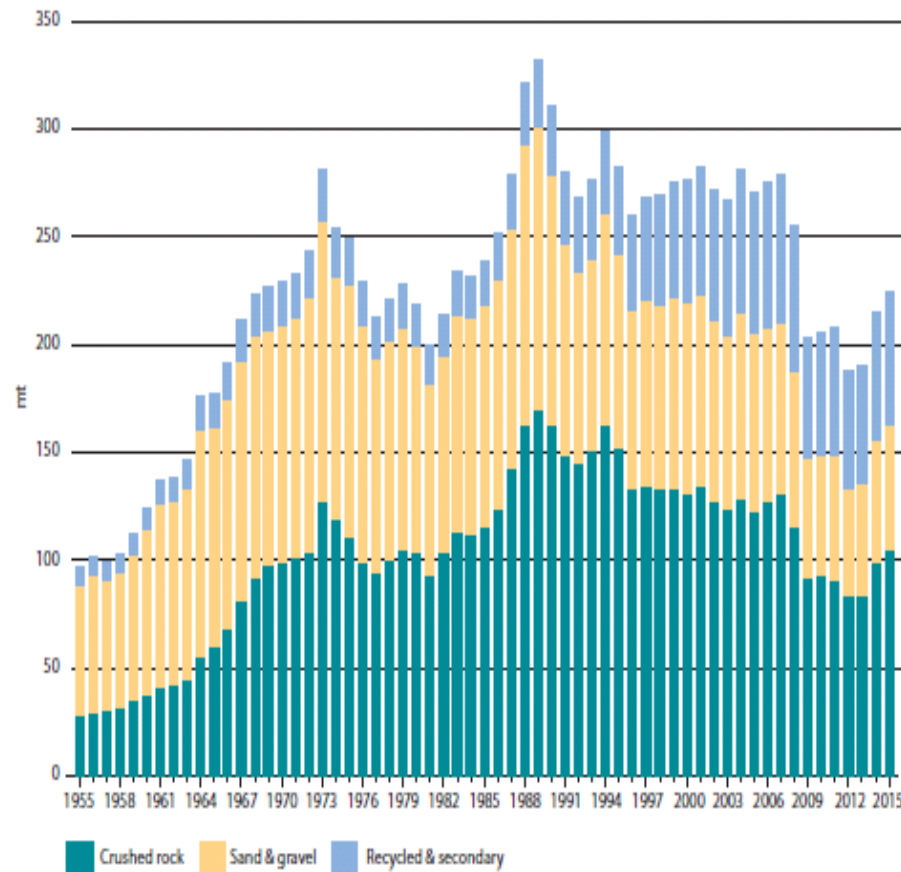
- 70 Mt secondary/recycled aggregates (28%)
- 177 Mt primary aggregates (72%)

Equivalent to c.4t per person each year

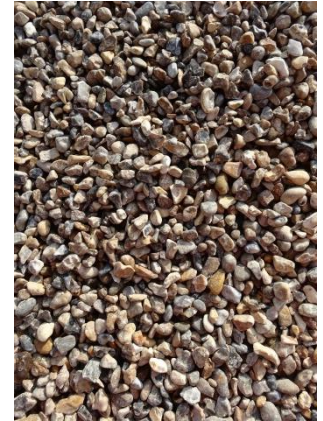


# GB construction aggregate supply - a mix of primary, recycled and secondary resources

3.1.e: GB aggregates markets by sources of supply. Source: AMRI, MPA.



# What are marine Aggregates?



- Only sand is landed in the region
- Coarse aggregate in the region is land won from quarries

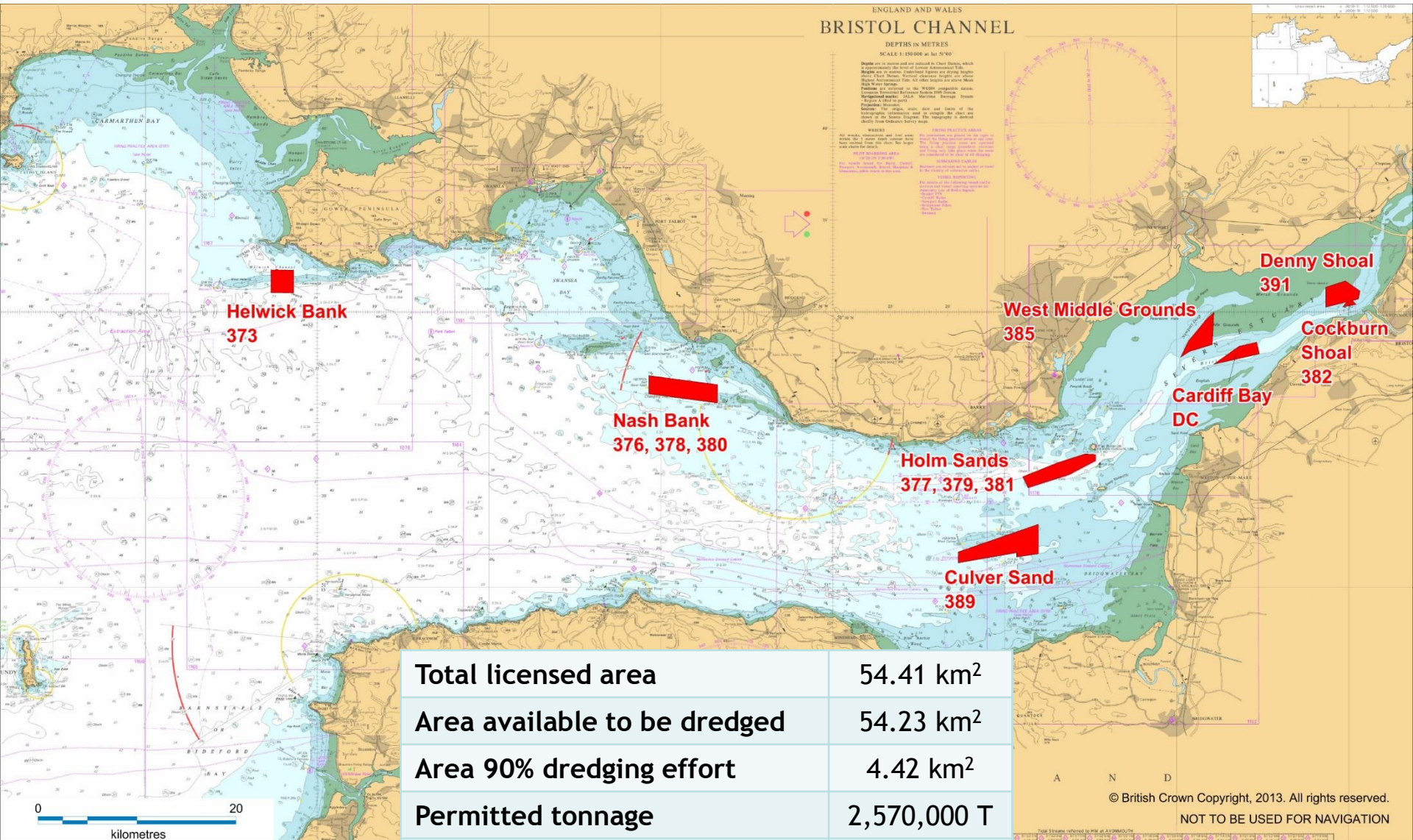


# Uses of marine aggregates and why marine?

- Construction
- Infrastructure projects
- Coastal protection
- Infill material / Land reclamation
- Economies of Scale



# Dredging areas pre-iMADP (2004)



**Helwick Bank**  
373

**Nash Bank**  
376, 378, 380

**Holm Sands**  
377, 379, 381

**Culver Sand**  
389

**West Middle Grounds**  
385

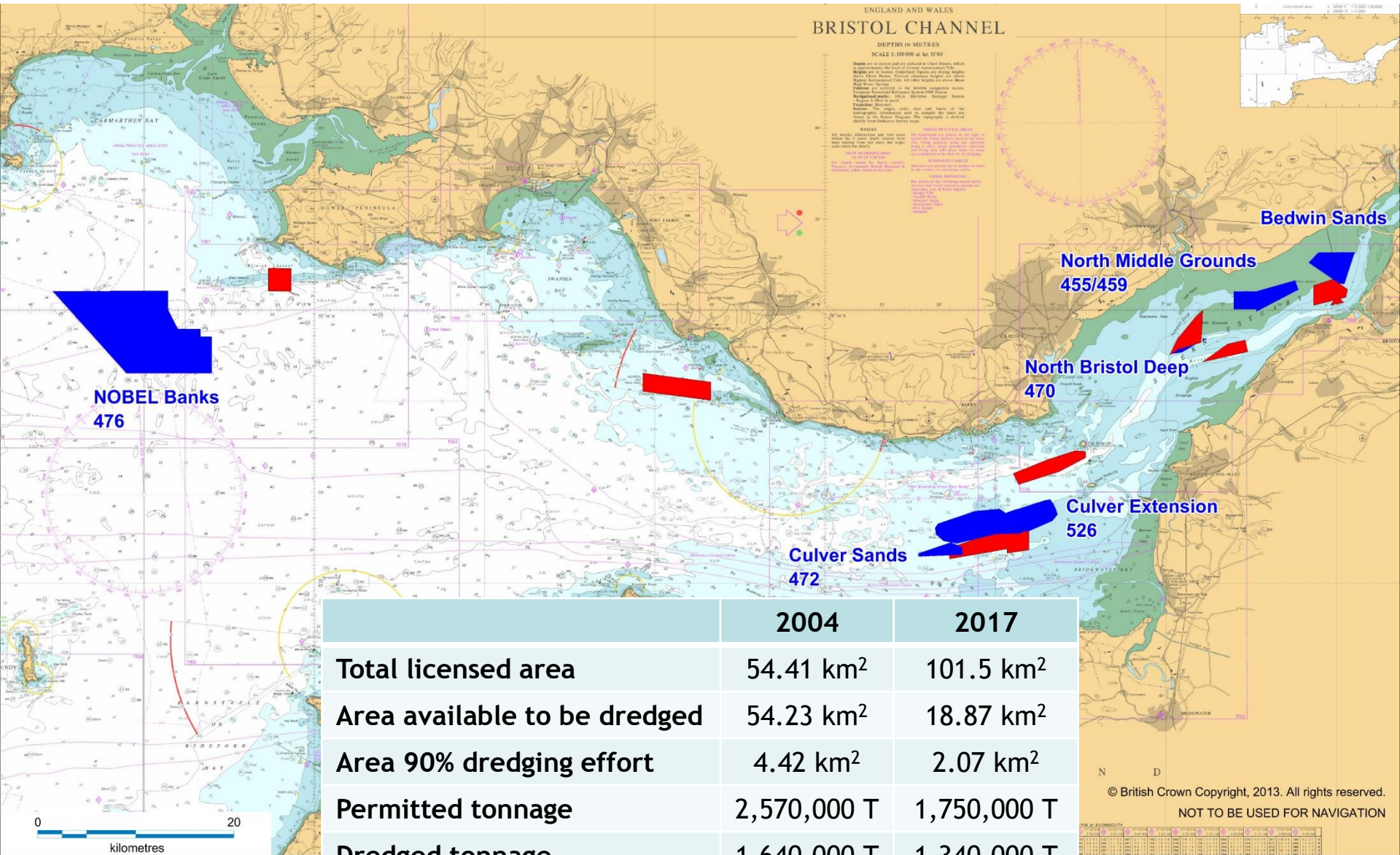
**Denny Shoal**  
391

**Cockburn Shoal**  
382

**Cardiff Bay DC**

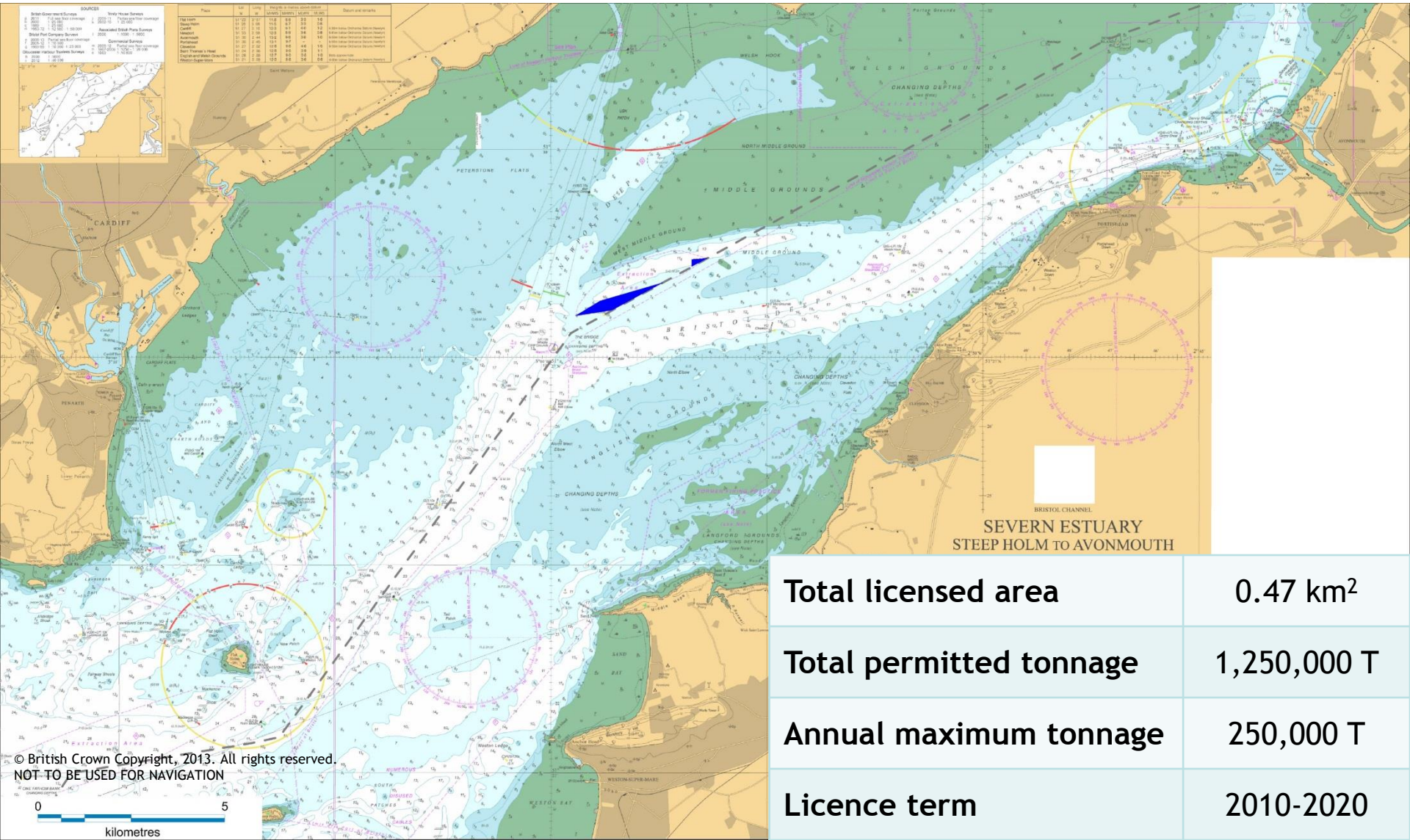


# Current dredging areas



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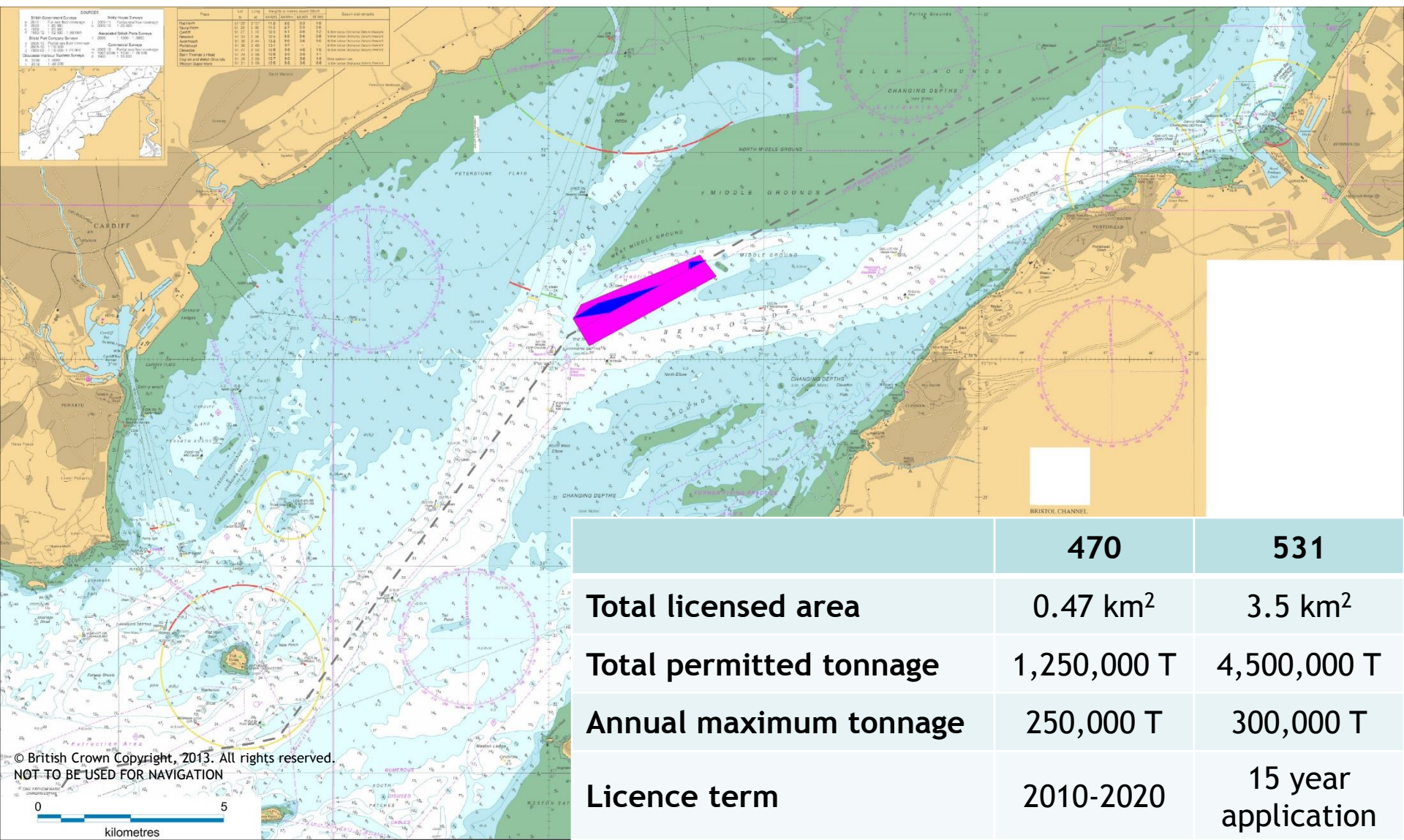
# Area 470



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# Area 531



Source	Depth	Area	Quantity
British Government Licence	1000 - 1500	1000	1000
British Government Licence	1500 - 2000	1000	1000
British Government Licence	2000 - 2500	1000	1000
British Government Licence	2500 - 3000	1000	1000
British Government Licence	3000 - 3500	1000	1000
British Government Licence	3500 - 4000	1000	1000
British Government Licence	4000 - 4500	1000	1000
British Government Licence	4500 - 5000	1000	1000
British Government Licence	5000 - 5500	1000	1000
British Government Licence	5500 - 6000	1000	1000
British Government Licence	6000 - 6500	1000	1000
British Government Licence	6500 - 7000	1000	1000
British Government Licence	7000 - 7500	1000	1000
British Government Licence	7500 - 8000	1000	1000
British Government Licence	8000 - 8500	1000	1000
British Government Licence	8500 - 9000	1000	1000
British Government Licence	9000 - 9500	1000	1000
British Government Licence	9500 - 10000	1000	1000

	470	531
Total licensed area	0.47 km <sup>2</sup>	3.5 km <sup>2</sup>
Total permitted tonnage	1,250,000 T	4,500,000 T
Annual maximum tonnage	250,000 T	300,000 T
Licence term	2010-2020	15 year application

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# Application progress

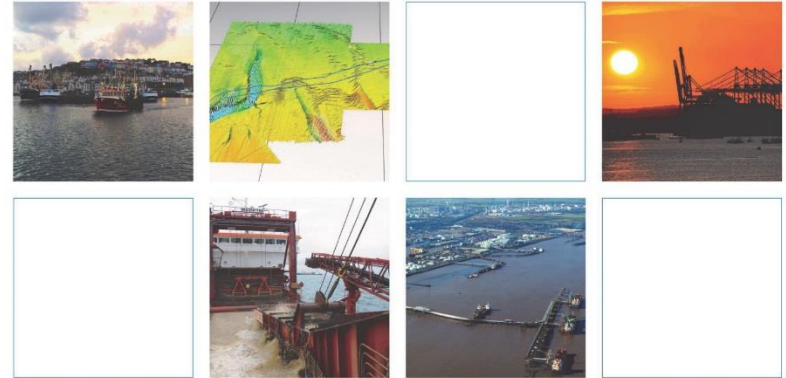
- Scoping completed  
June - August
- Coastal impact study  
underway
- Environmental Impact  
Assessment underway
- Pre-application  
submission expected  
in December

Tarmac Marine and Hanson Aggregates Marine Ltd

## Area 531 Scoping Report

(North Bristol Deep Extension)

May 2018



Innovative Thinking - Sustainable Solutions

# Summary

- Marine aggregates are an important resource for enabling other parts of the economy
- Offtake in the South West has been relatively consistent over the past few years however it is still depressed from the recession
- All licensed areas have changed since the introduction of iMADP
- Licensed area has increased, dredged area has decreased
- We welcome discussion regarding Areas 470 and 531

