



UK Wave energy resource

Appendix B

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Chart 3: Nearshore technical resource

Chart 4: Offshore resource sensitivity test

Chart 5: Offshore constraints - UK

Chart 6: Offshore constraints - Southwest

Chart 7: Offshore constraints - West

Chart 8: Offshore constraints - North

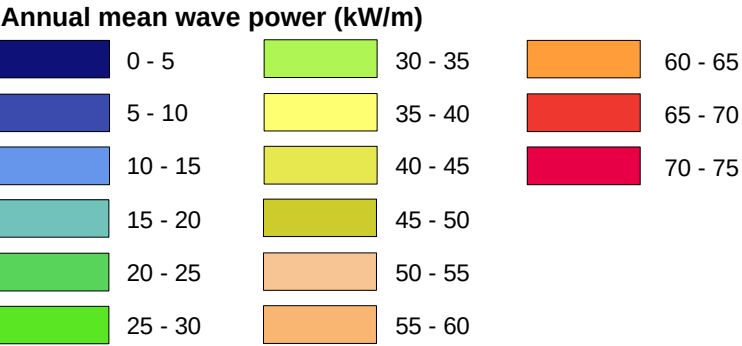
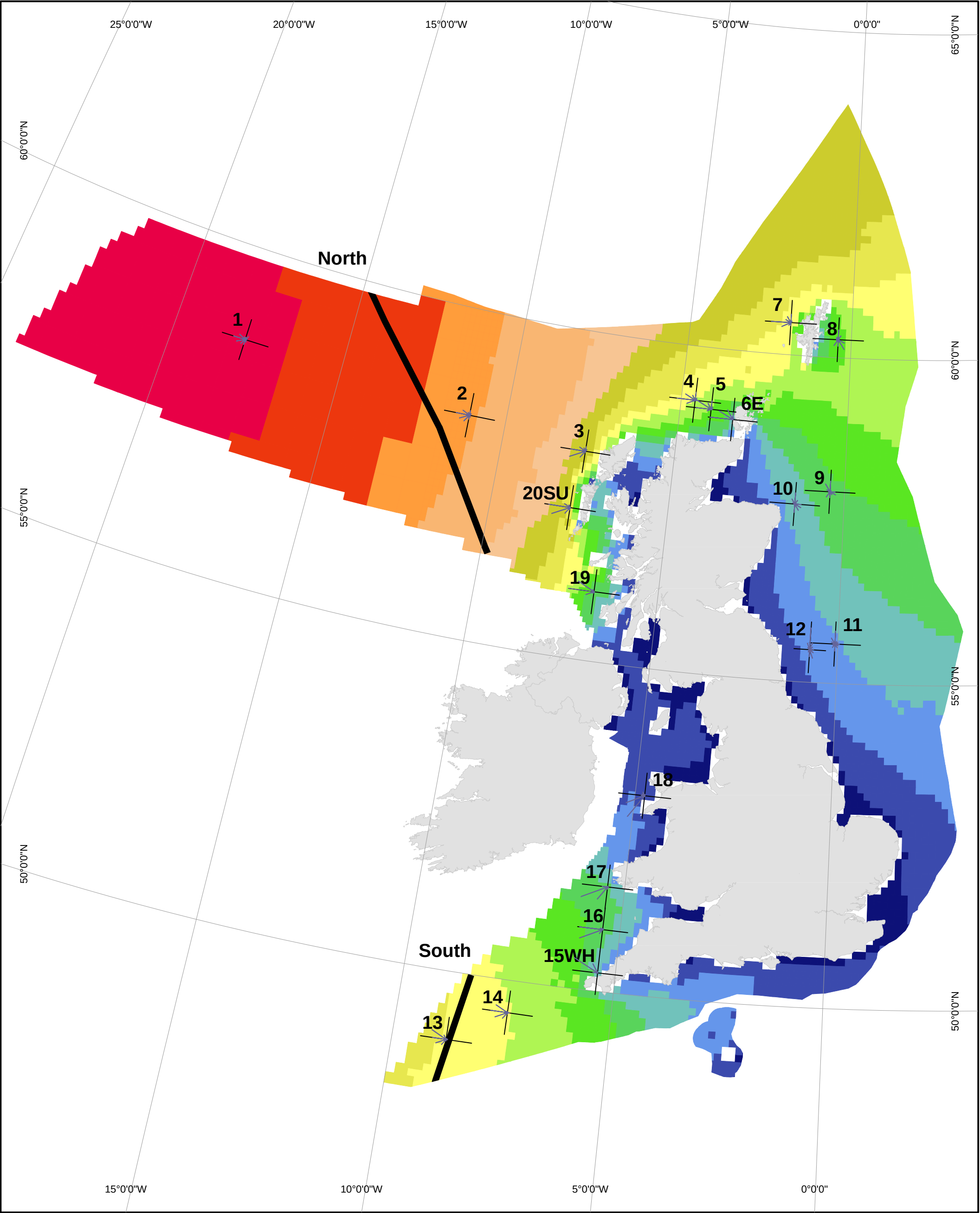
Chart 9: Nearshore constraints -UK

Chart 10: Nearshore constraints – Western Isles

Chart 11: Nearshore constraints - Orkney

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Chart 13: Nearshore constraints – Cornwall/Southwest

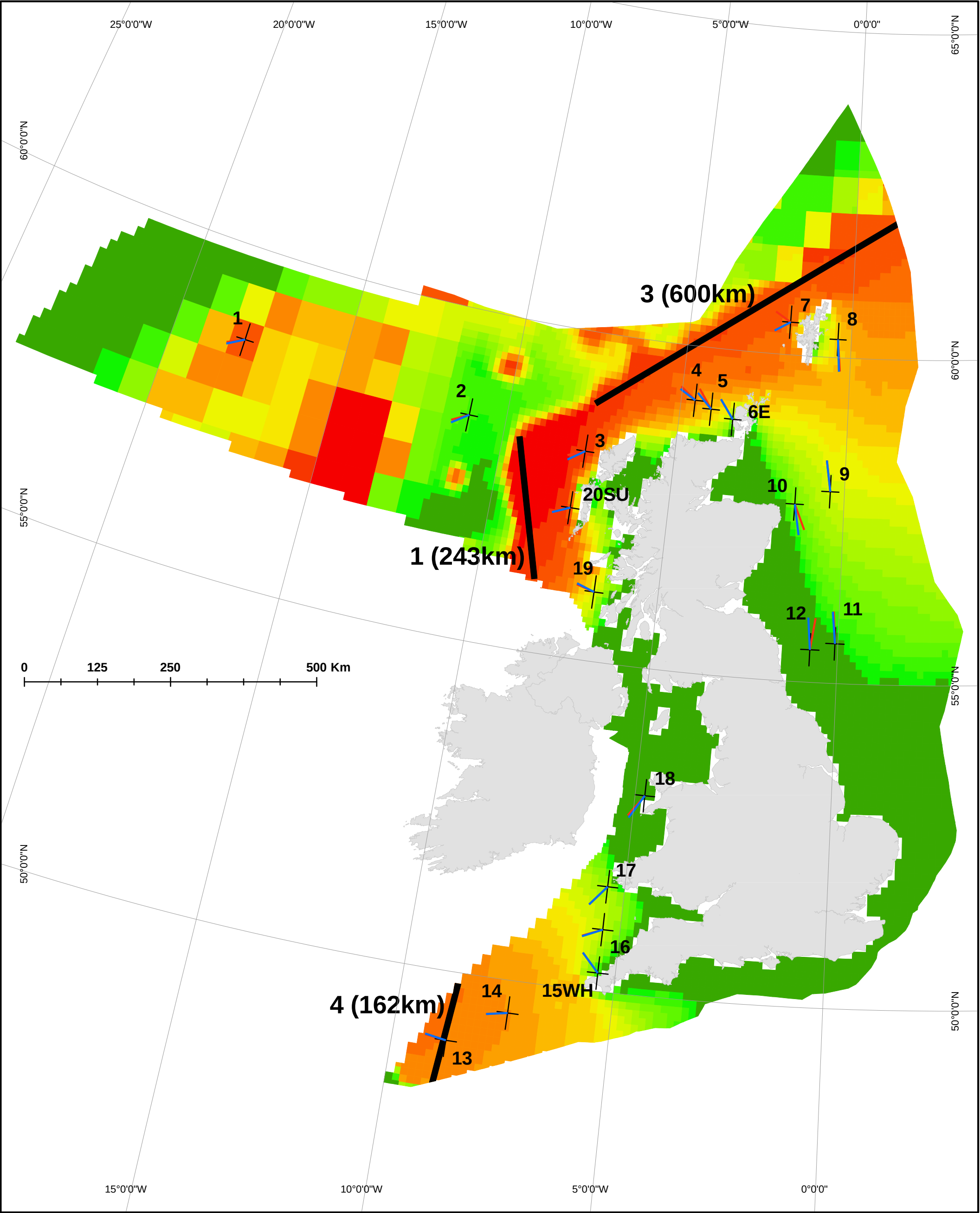


UK Wave Energy Resource Estimate

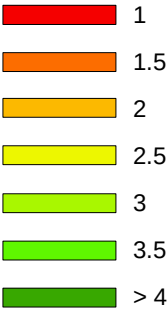
Chart 1
Total resource

January 2012
29603-R01.mxd tugwc





Normalised levelised cost of energy



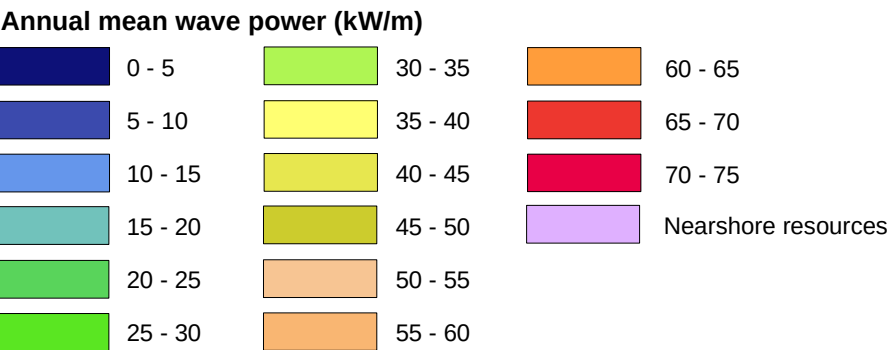
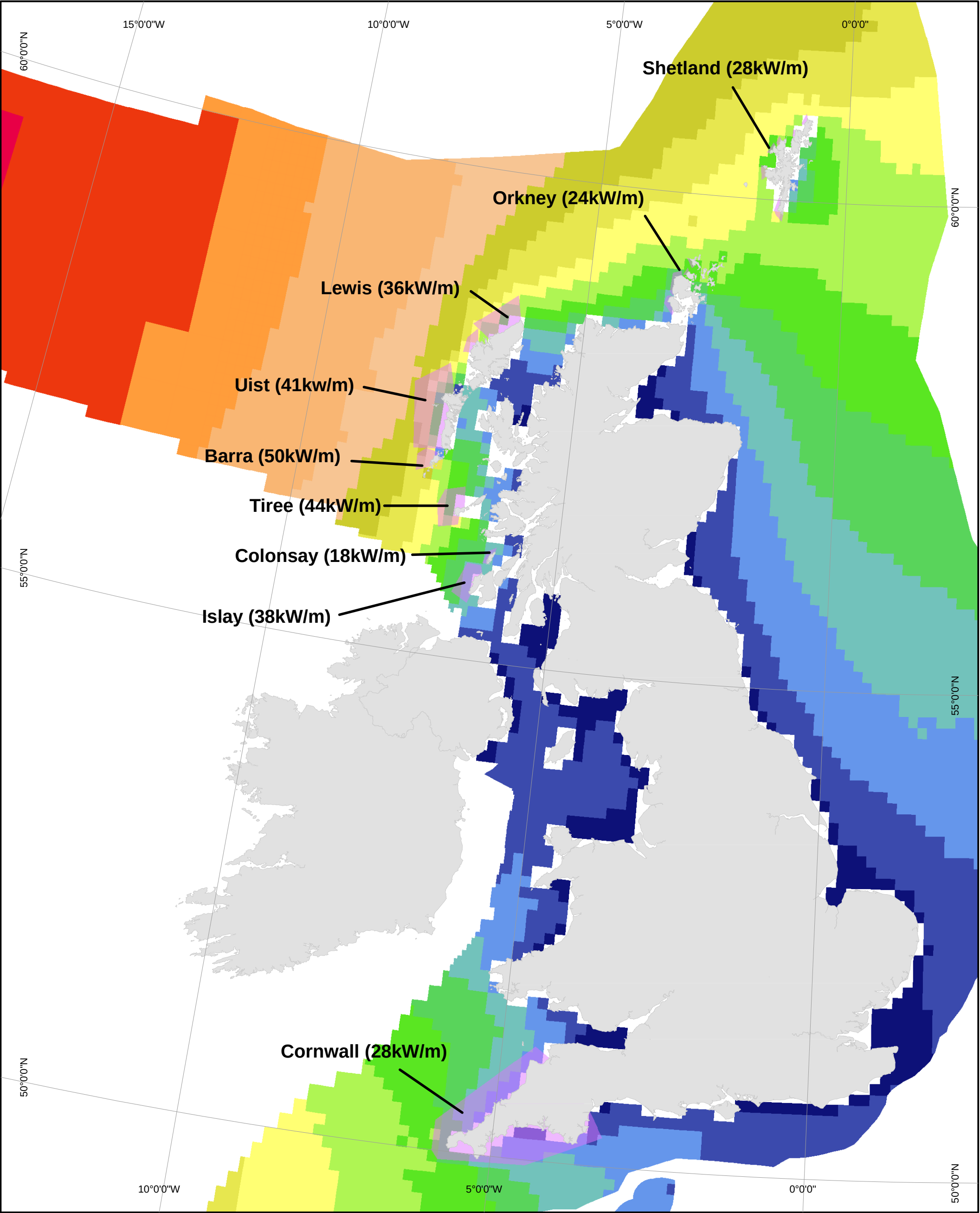
- Distance scale is approximate
- Numbered points show mean wave direction

UK Wave Energy Resource Estimate

Chart 2
Offshore resource

May 2012
29603-R04b.mxd tugwc



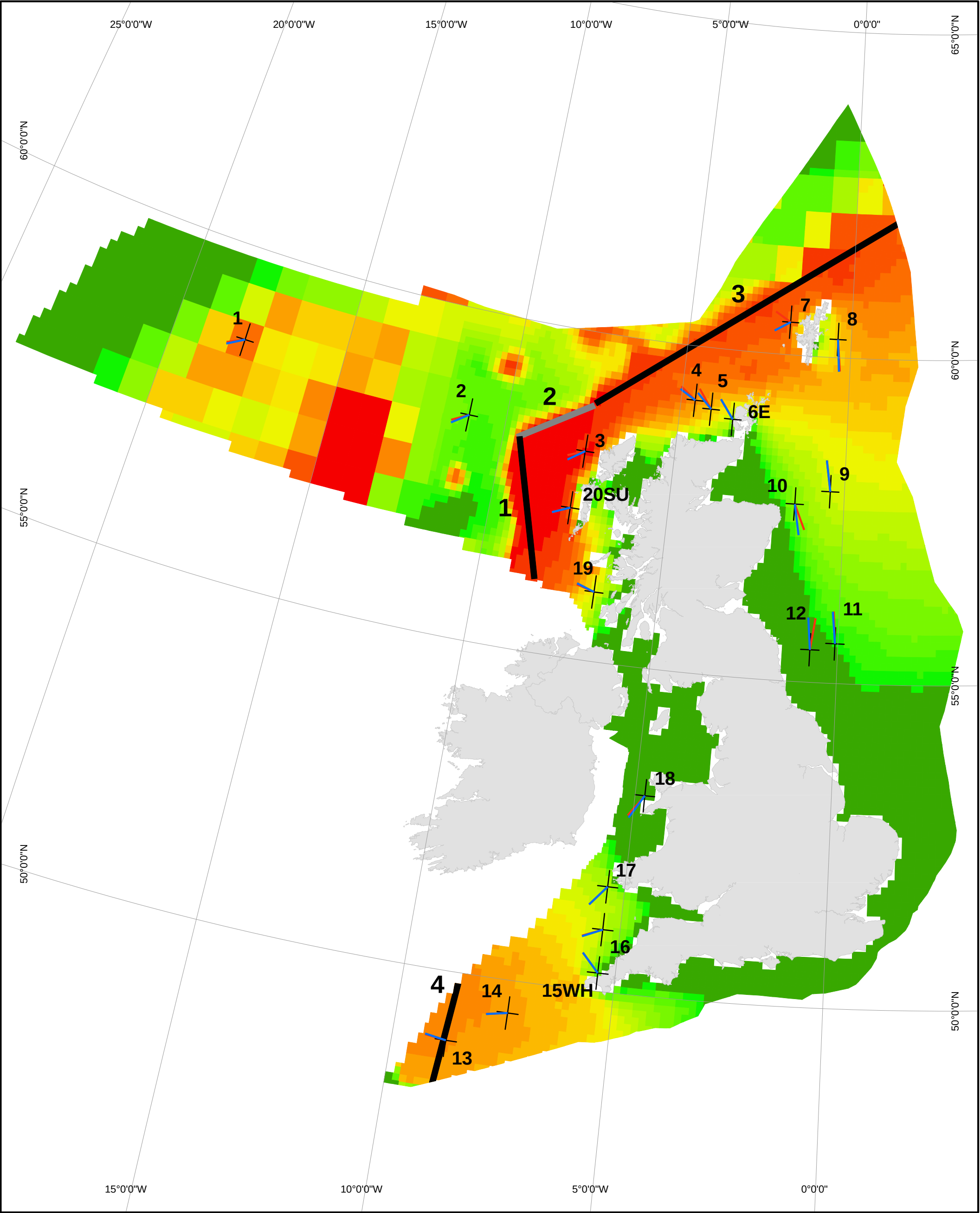


UK Wave Energy Resource Estimate

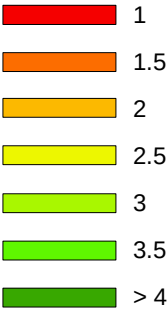
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Nearshore technical resource

January 2012
29603-R03.mxd tugwc





Normalised levelised cost of energy



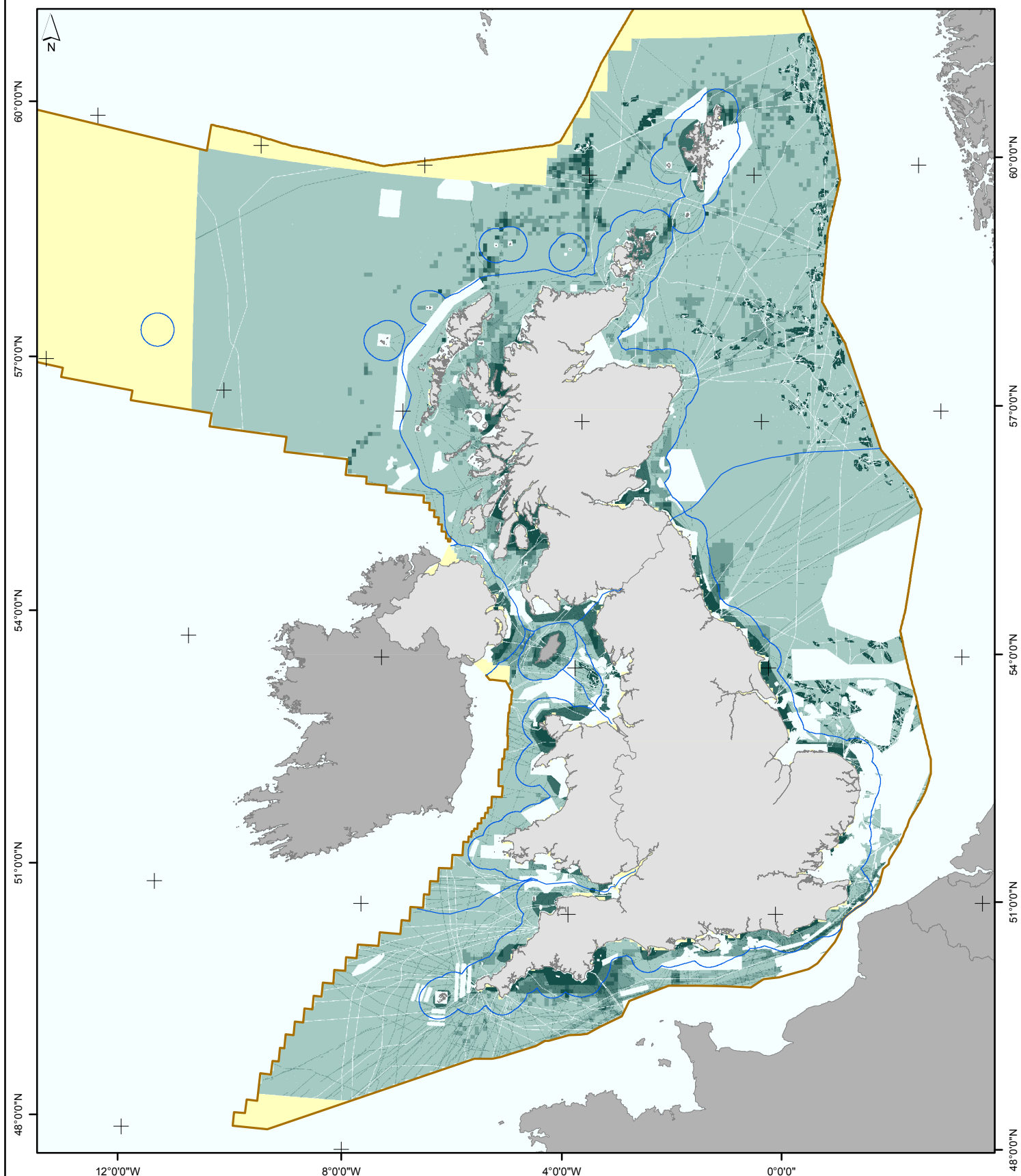
UK Wave Energy Resource Estimate

Chart 4
Offshore resource sensitivity test

January 2012
29603-R05.mxd tugwc



Chart 5 - Offshore Constraints - UK



Non-Technical Wave Model - Offshore



No Data

Territorial Waters Limit

UK Continental Shelf Limit

United Kingdom

Europe

0 260 520 km

1:7,000,000 Size : A4 Author : MM QA : JM MaRS/1110/24 27th Feb 2012

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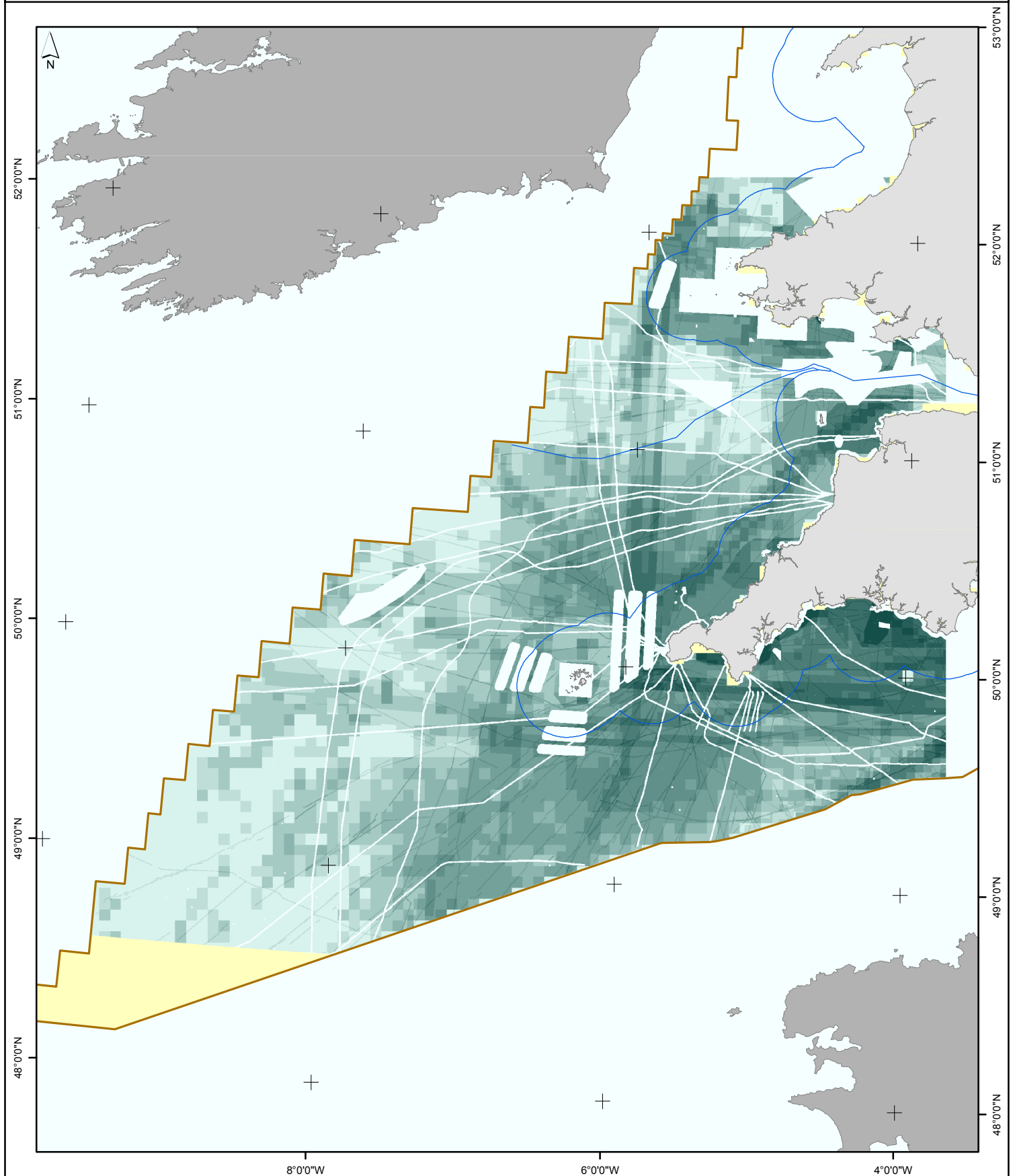
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Chart 6 Offshore Constraints - Southwest



Non-Technical Wave Model - Offshore

Less Constraint

More Constraint

No Data

Territorial Waters Limit

UK Continental Shelf Limit

United Kingdom

Europe

0 100 200 km

1:2,600,000 Size : A4 Author : MM QA : JM MaRS/1110/24 27th Feb 2012

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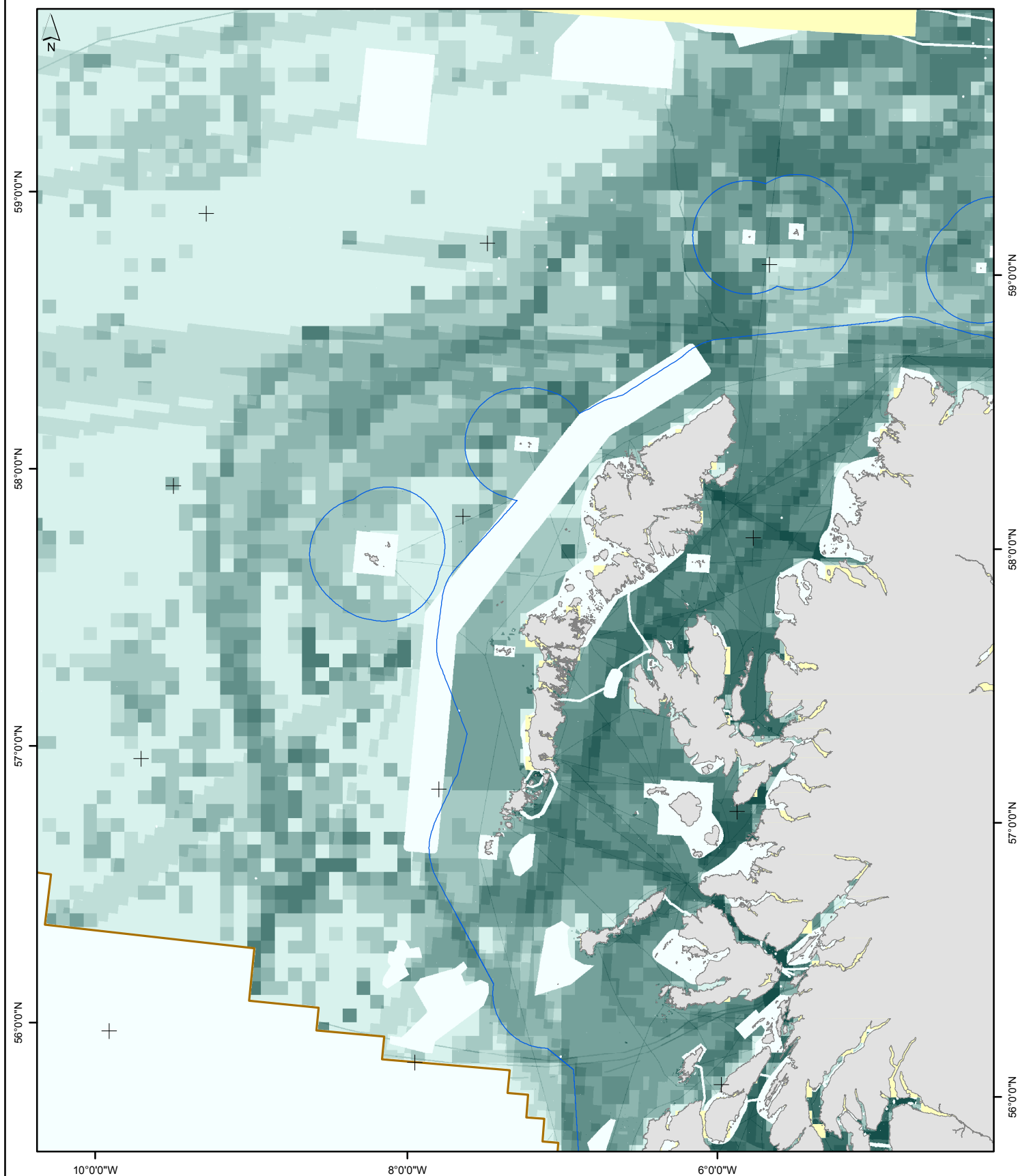
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Chart 7 Offshore Constraints - West



Non-Technical Wave Model - Offshore

Less Constraint

More Constraint

No Data

Territorial Waters Limit

UK Continental Shelf Limit

United Kingdom

Europe



0 80 160 km

1:2,100,000 Size : A4 Author : MM QA : JM MaRS/1110/24 27th Feb 2012

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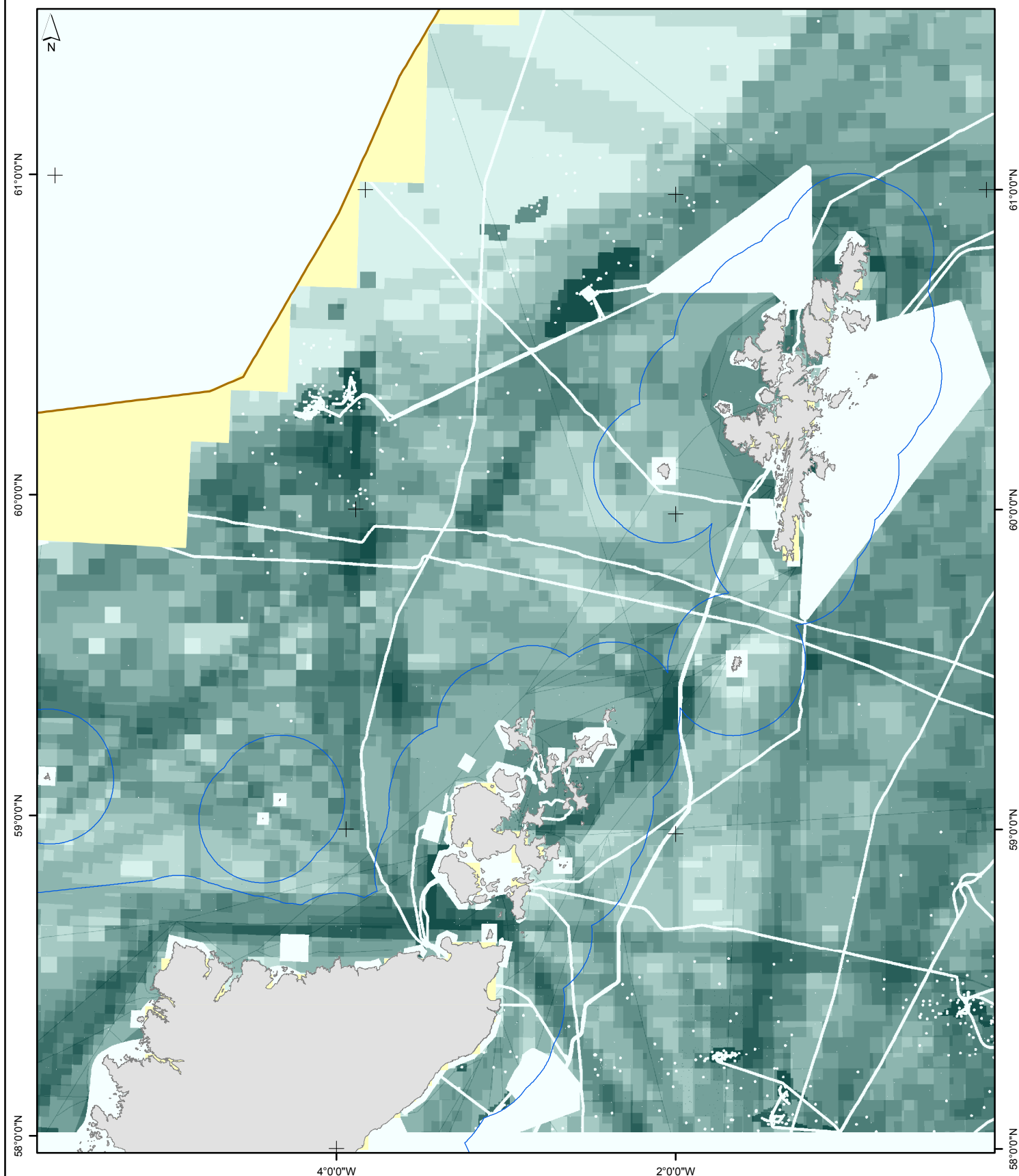
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Chart 8 Offshore Constraints - North



Non-Technical Wave Model - Offshore

Less Constraint

More Constraint

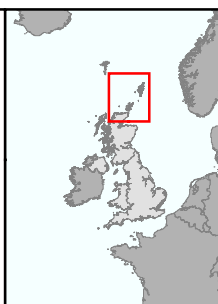
No Data

Territorial Waters Limit

UK Continental Shelf Limit

United Kingdom

Europe



0 70 140 km

1:1,800,000 Size : A4 Author : MM QA : JM MaRS/1110/24 27th Feb 2012

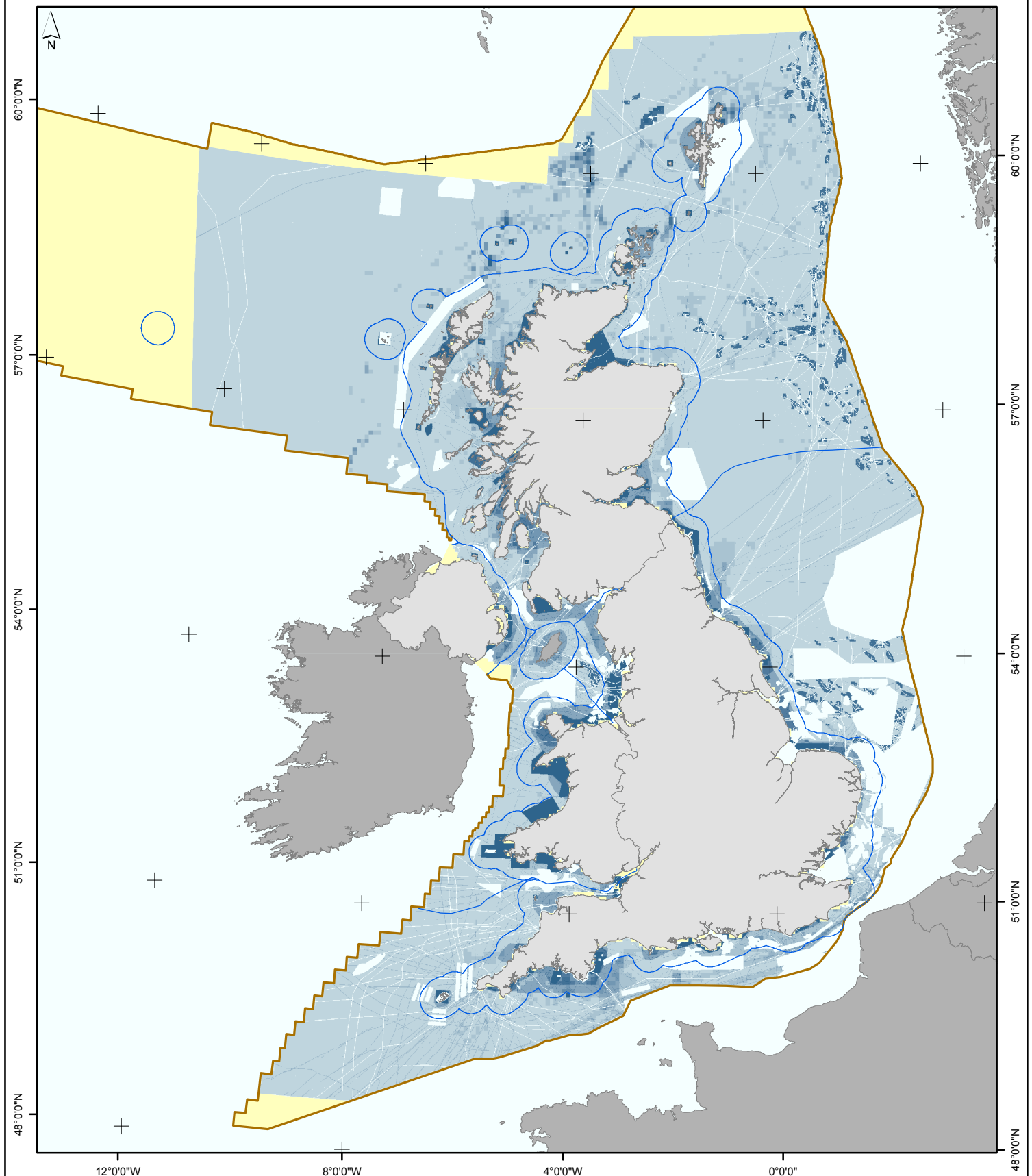
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Chart 9 Nearshore Constraints - UK



Non-Technical Wave Model - Nearshore

Less Constraint

More Constraint

No Data

Territorial Waters Limit

UK Continental Shelf Limit

United Kingdom

Europe



0 270 540 km

1:7,000,000 Size : A4 Author : MM QA : JM MaRS/1110/24 27th Feb 2012

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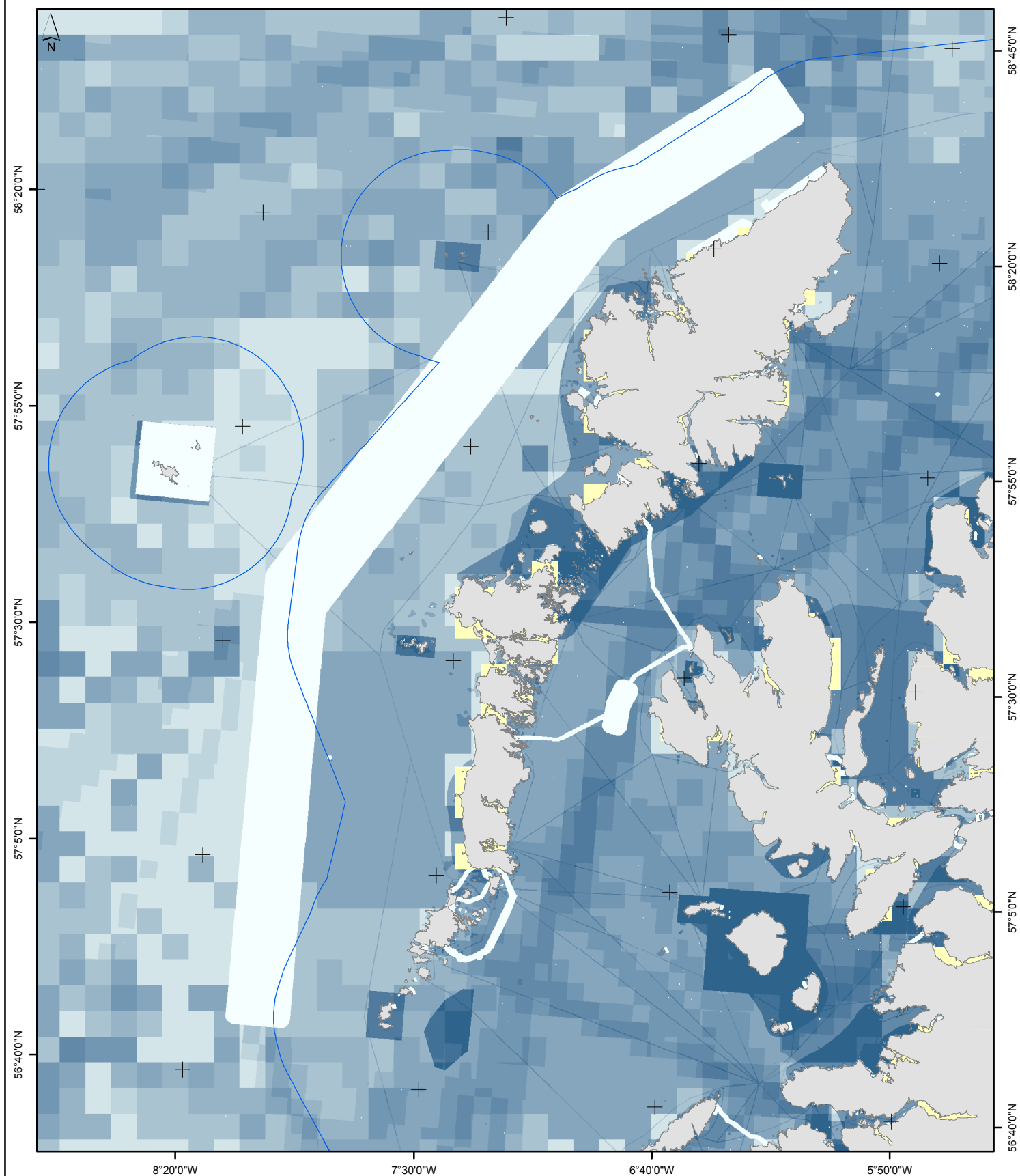
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Chart 10 Nearshore Constraints - Western Isles



Non-Technical Wave Model - Nearshore

Less Constraint

More Constraint

No Data

Territorial Waters Limit

UK Continental Shelf Limit

United Kingdom

Europe



0 40 80 km

1:1,115,000 Size: A4 Author: MM QA: JM MaRS/1110/24 27th Feb 2012

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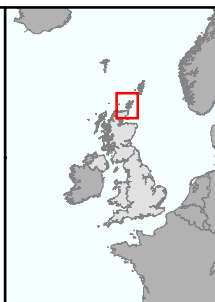
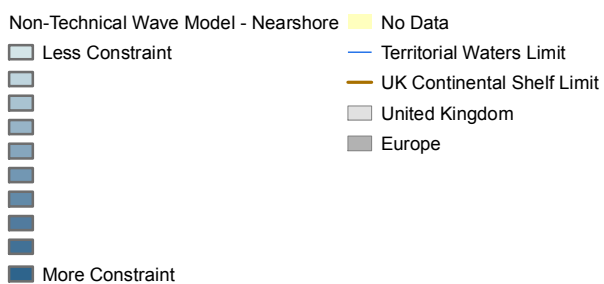
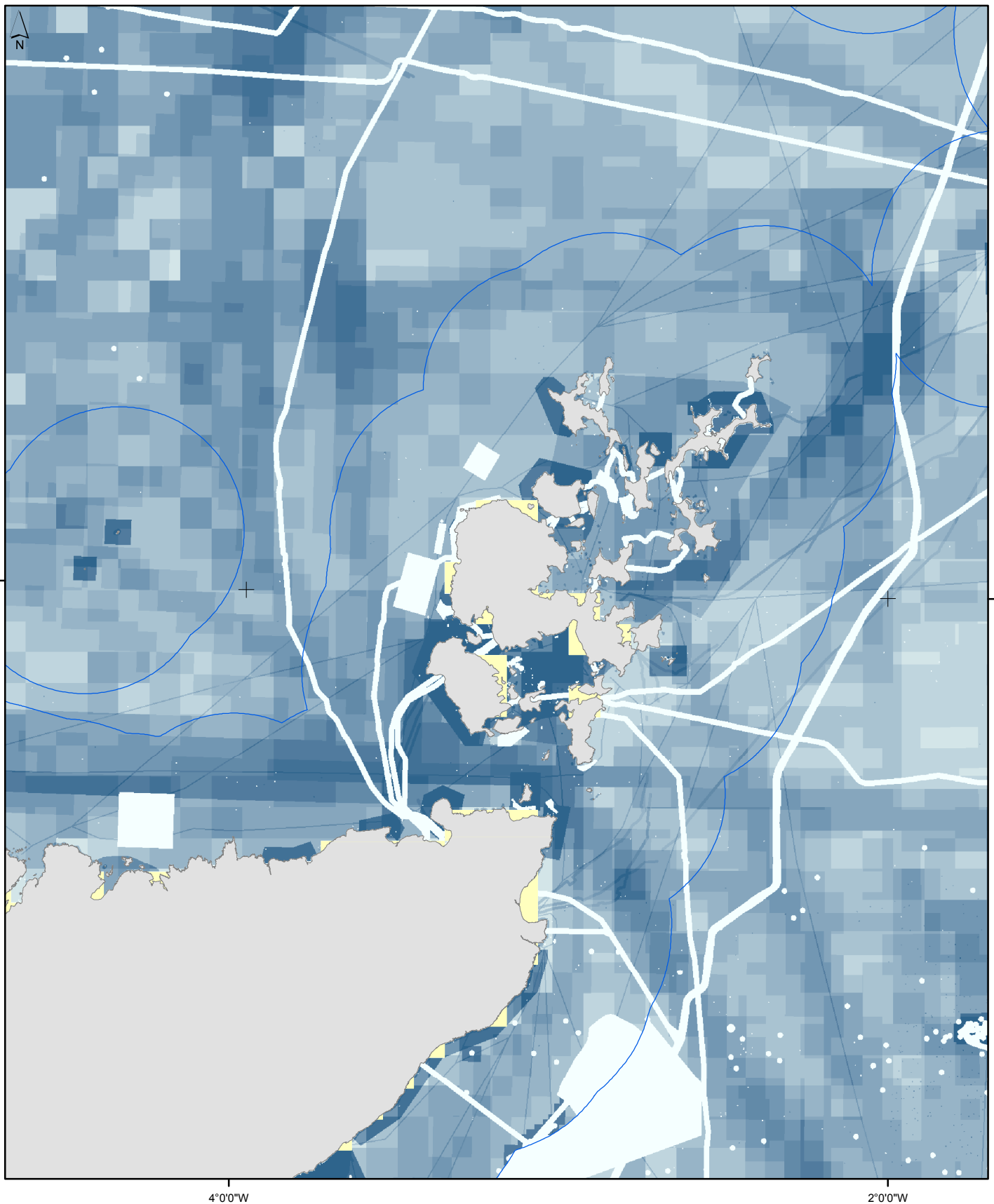
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Chart 11 Nearshore Constraints - Orkney



0		35		70	
km					
1:950,000	Size : A4	Author : MM	QA : JM	MaRS/1110/24	27 th Feb 2012

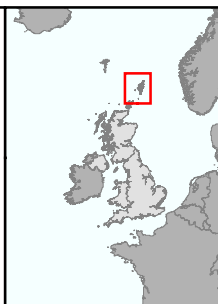
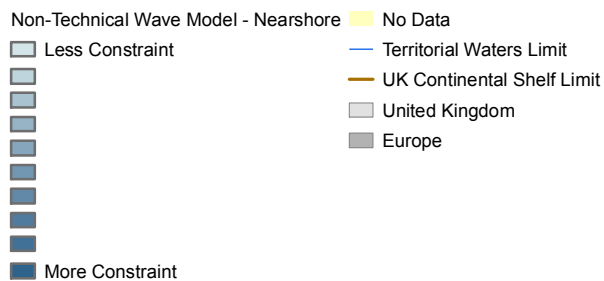
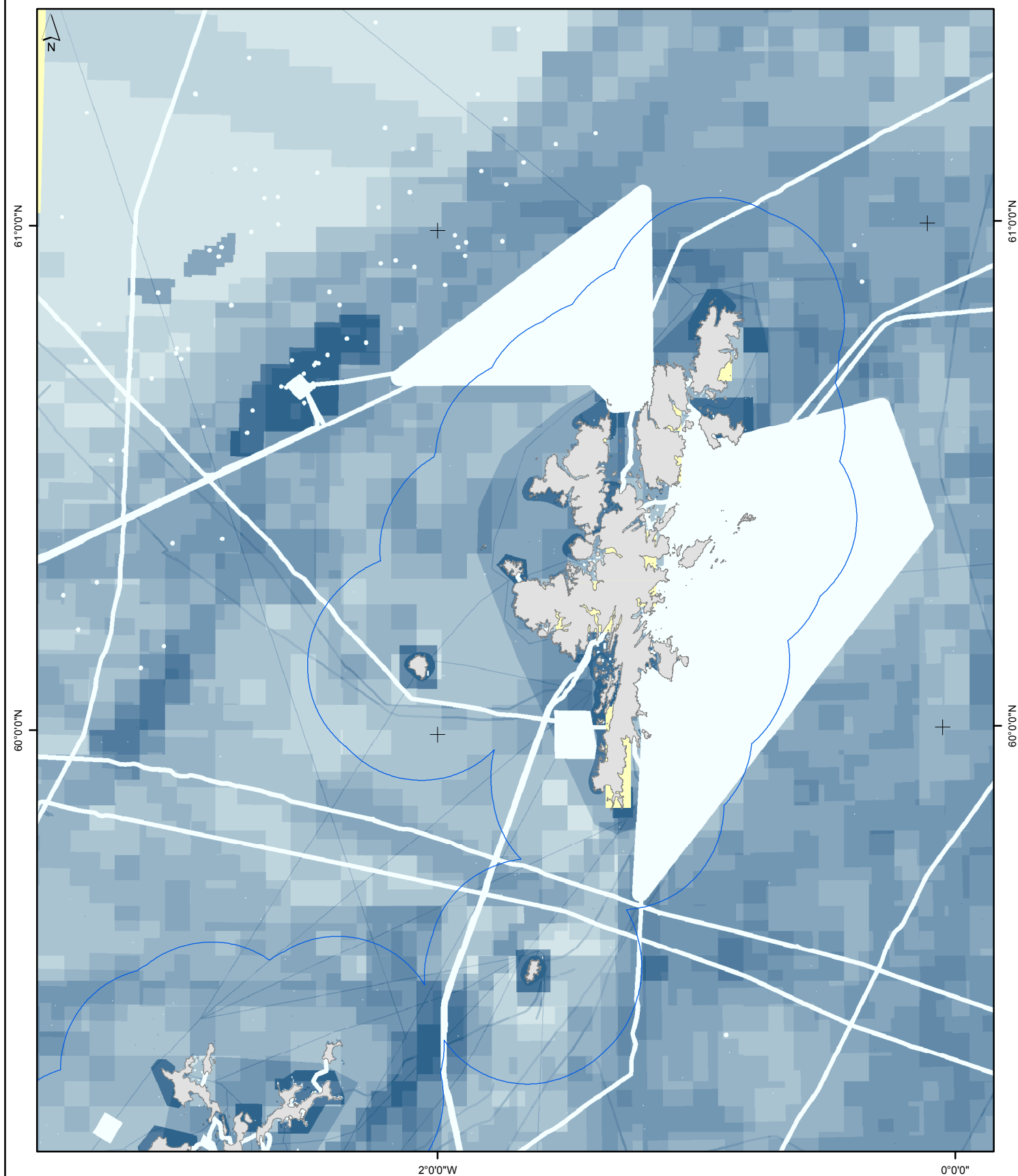
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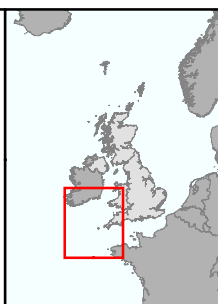
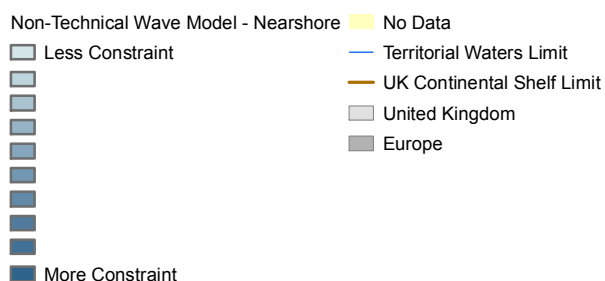
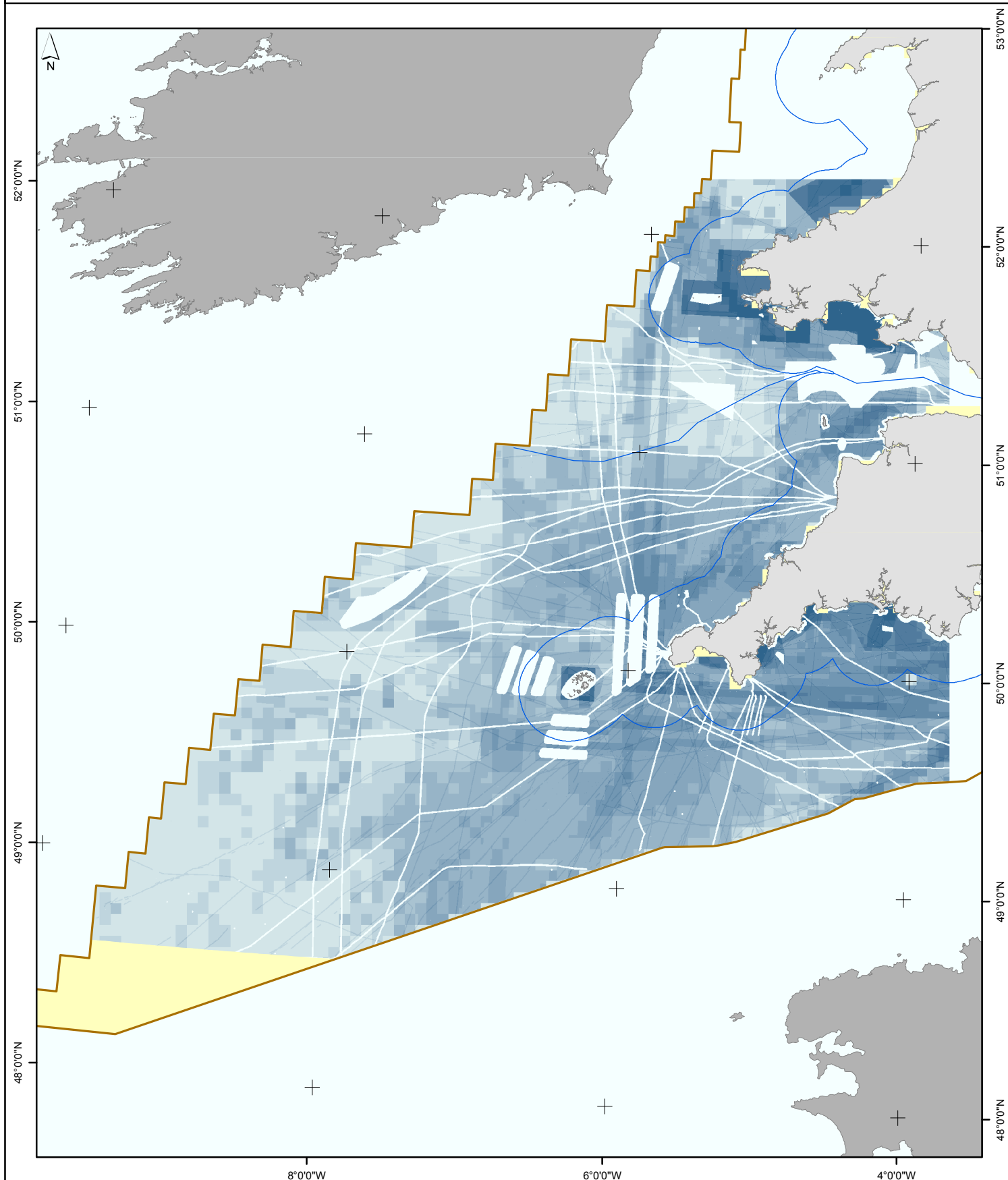
Chart 12 Nearshore Constraints - Shetland



0 40 80 km	
1:1,140,000	Size : A4 Author : MM QA : JM MaRS/1110/24 27 th Feb 2012
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Chart 13 Nearshore Constraints - Cornwall/Southwest



0		100		200	
km					
1:2,600,000	Size : A4	Author : MM	QA : JM	MaRS/1110/24	27 th Feb 2012

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