



Moray Offshore Renewables Ltd

**KEY**  
**Median detection positive hours for harbour porpoise 2009 and 2010**

-  Present
-  Absent

Horizontal Scale: 1:175,000 A3 Chart  
 0 4,000 8,000 Meters

Geodetic Parameters: WGS84 UTM Zone 30N

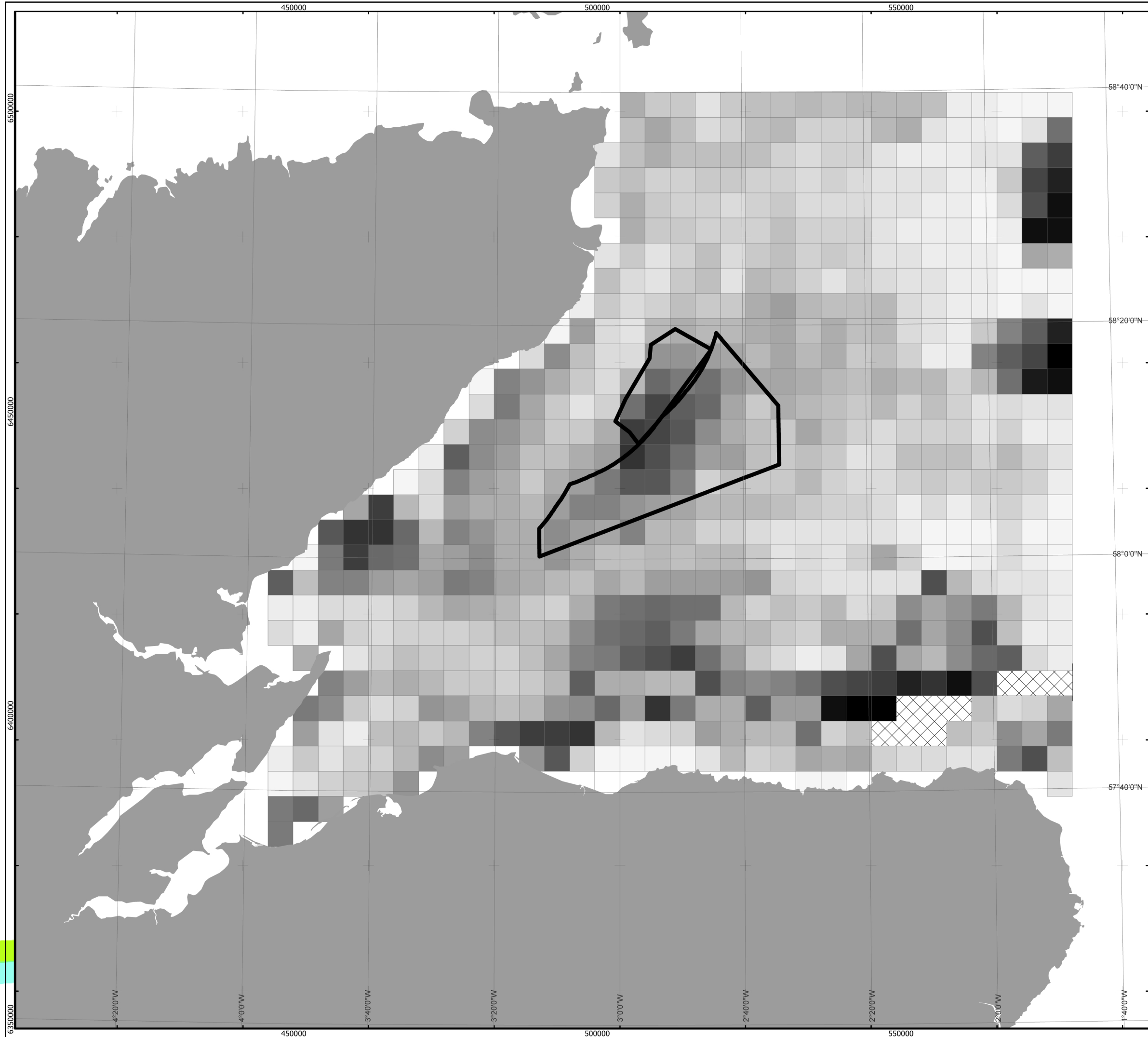
Produced: KLB  
 Reviewed: PMT  
 Approved: PH

Date: 19/05/2012 Revision: A  
 REF: 8460001-PPW0201-UAB-MAP-004

**Fig 4.4-10 Detection Days for Harbour Porpoise (Windfarm)**

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**KEY**

**Predicted harbour porpoise**

1	16
2	17
3	18
4	19
5	20
6	21
7	22
8	23
9	24
10	25
11	26
12	27
13	28
14	29
15	30

Horizontal Scale: 1:600,000 A3 Chart  
0 13,000 26,000 Meters

Geodetic Parameters: WGS84 UTM Zone 30N

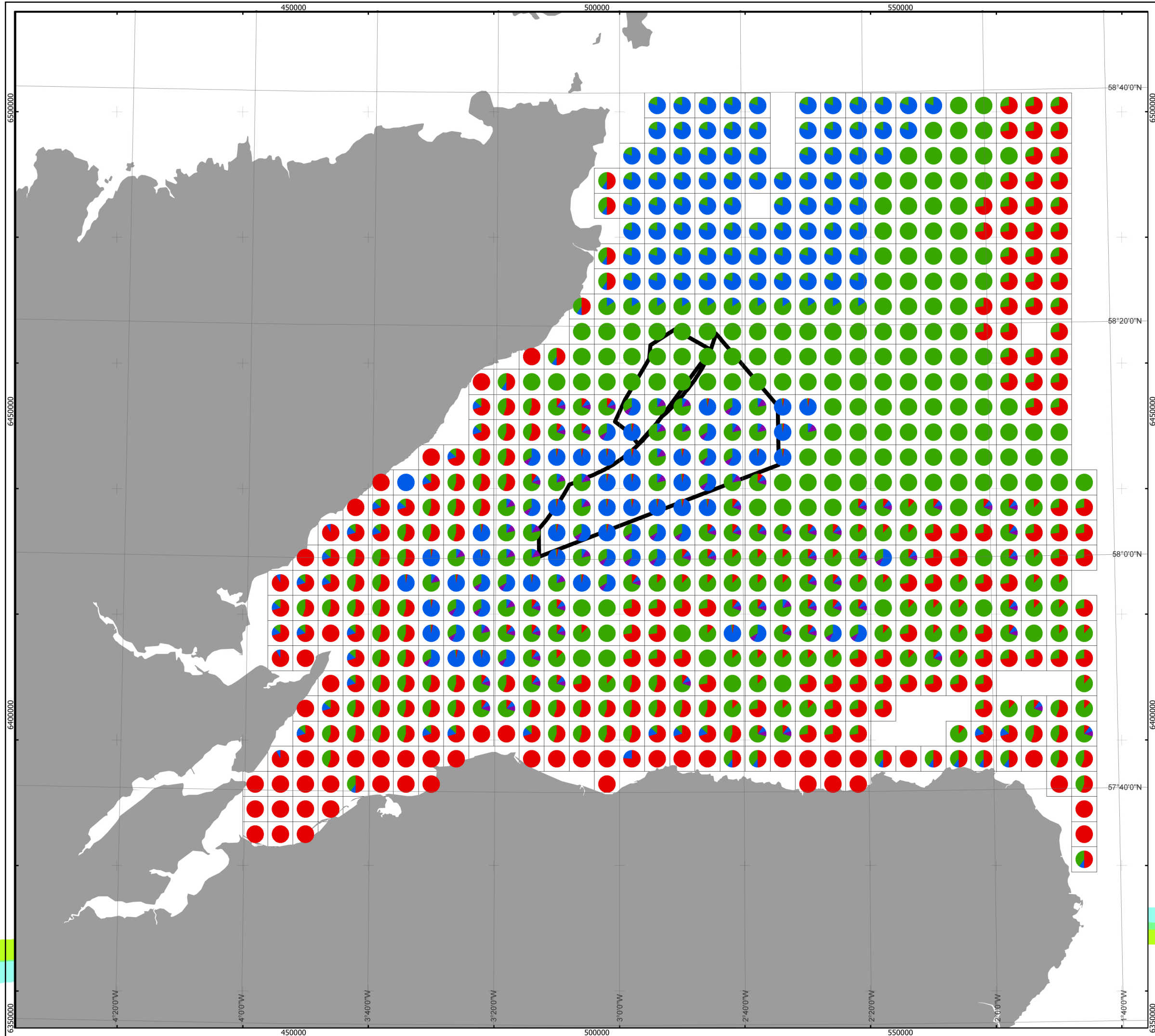
Produced: KLB  
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**Fig 4.4-11 Predicted  
Harbour Porpoise Grid**

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**KEY**  
**Dolphin species**

- Bottlenose dolphin
- Common dolphin
- Risso's dolphin
- White beaked dolphin

Horizontal Scale: 1:600,000 A3 Chart  
0 13,000 26,000 Meters

Geodetic Parameters: WGS84 UTM Zone 30N

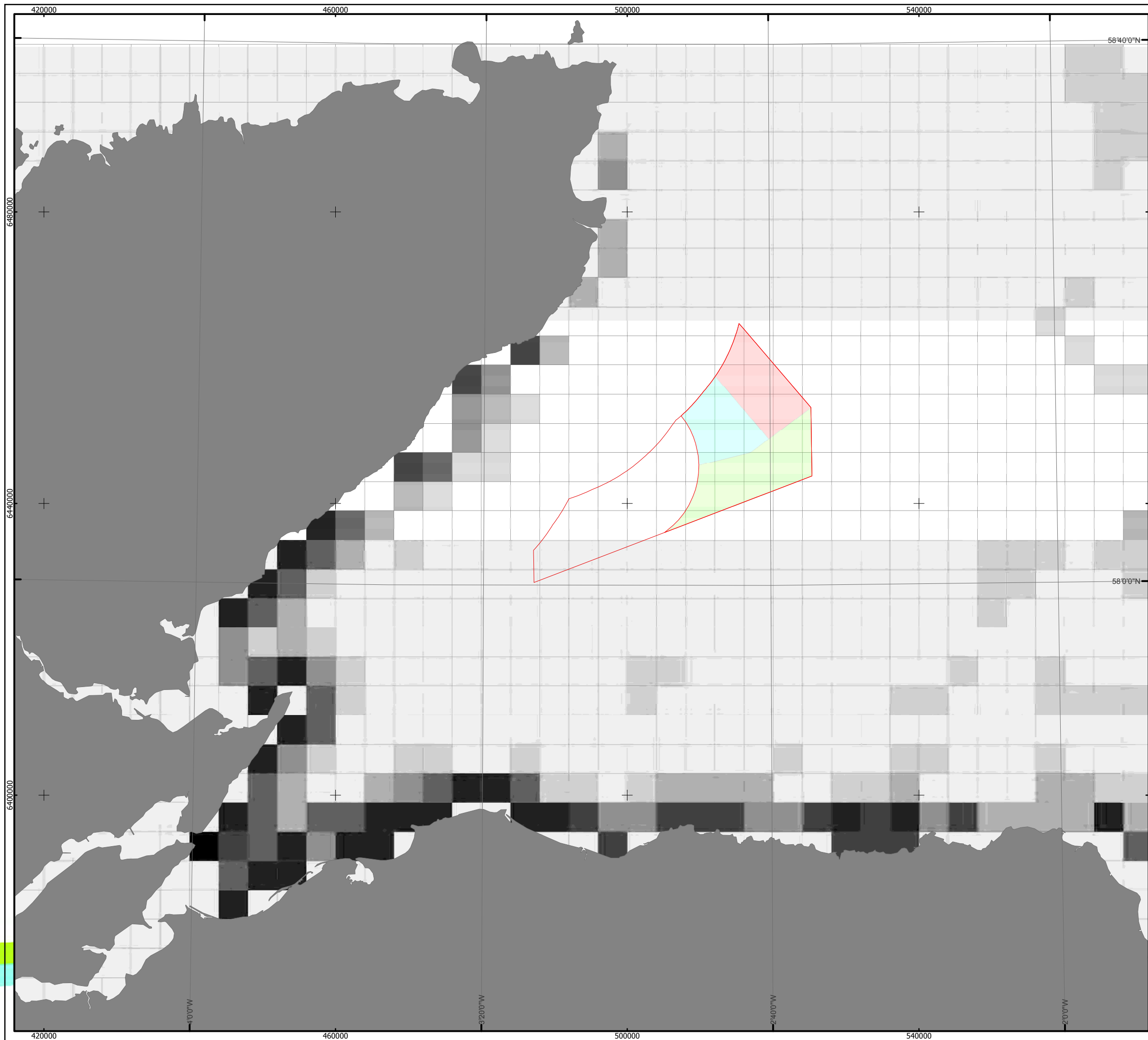
Produced: KLB  
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Fig 4.4-12 Dolphin Species Grid

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**KEY**

- MORL Development Boundary
- MacColl Windfarm
- Stevenson Windfarm
- Telford Windfarm

**4km Bottlenose Dolphin Distribution Grid  
Predicted Probability of Occurrence**

- 0.00 - 0.100
- 0.101 - 0.200
- 0.201 - 0.300
- 0.301 - 0.400
- 0.4001 - 0.500
- 0.5001 - 0.600
- 0.6001 - 0.700
- 0.7001 - 0.800

Horizontal Scale: 1:500,000 A3 Chart

Geodetic Parameters: WGS84 UTM Zone 30N

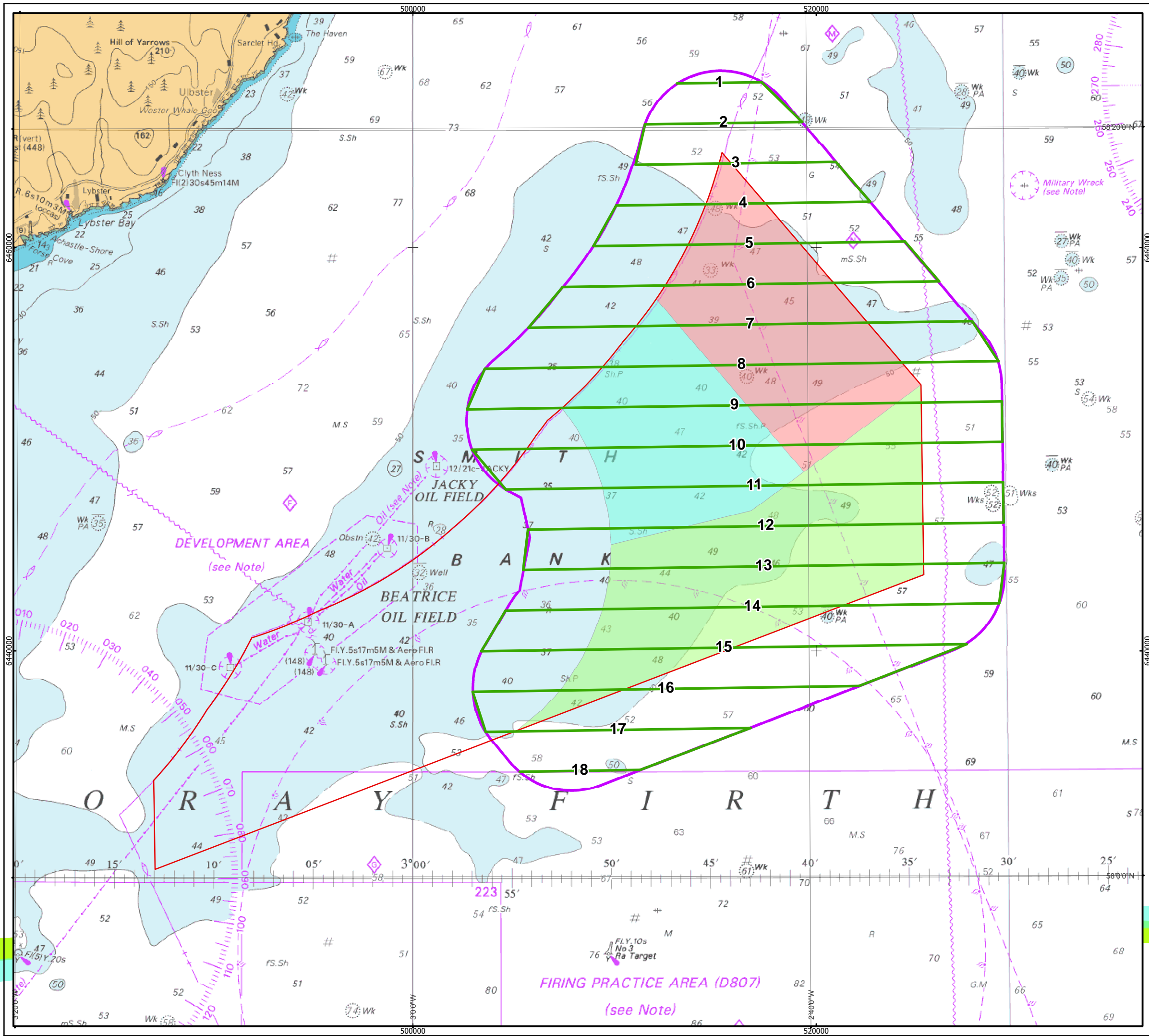
Produced: KLB  
 Reviewed: PH  
 Approved: CR/SP

Date: 27/04/2012 Revision: B  
 REF: 8460001-PPW0201-UAB-MAP-008

**Fig 4.4-13 - Predicted number of bottlenose dolphins**







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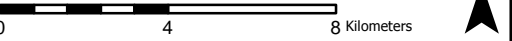
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**Moray Offshore Renewables Ltd**

**KEY**

-  Boat-based survey transects
-  Boat-based survey area
-  MORL Zone Boundary
-  Telford Windfarm
-  Stevenson Windfarm
-  MacColl Windfarm

Horizontal Scale: 1:180,000 A3 Chart  


Geodetic Parameters: WGS84 UTM Zone 30N

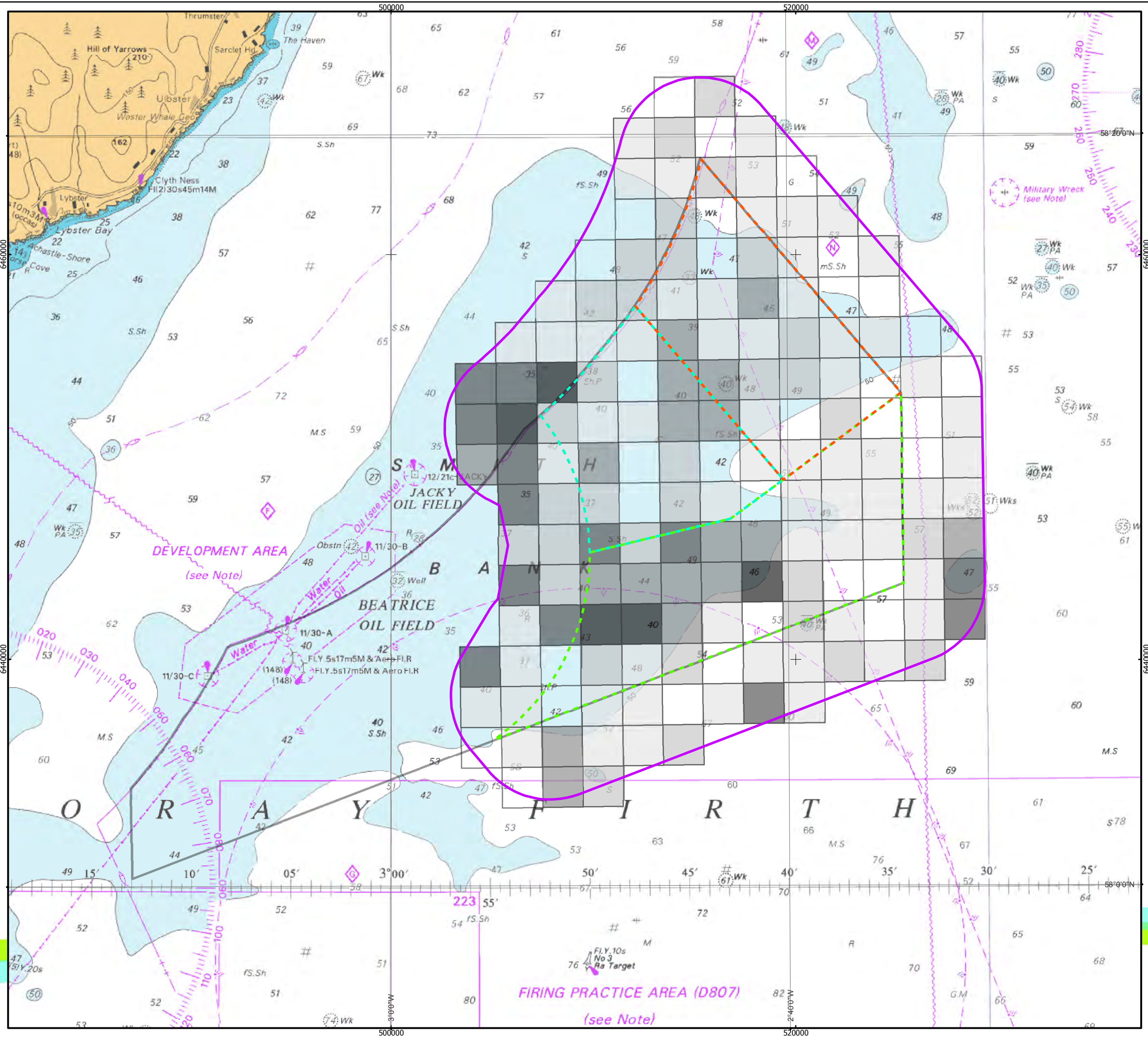
Produced: LG  
 Reviewed: SC  
 Approved: CJP

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**Figure 4.4-14: Boat-based Survey Area (2010 - 2012)**

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**KEY**

- Telford OWF
- Stevenson OWF
- MacColl OWF
- Boat-based survey area

**Mean number of harbour porpoise observed per survey per grid square**

- 0 - 0.15
- >0.15 - 0.3
- >0.3 - 0.5
- >0.5 - 0.8
- >0.8 - 1.3

Mean number calculated across 19 surveys

Horizontal Scale: 1:180,000 A3 Chart

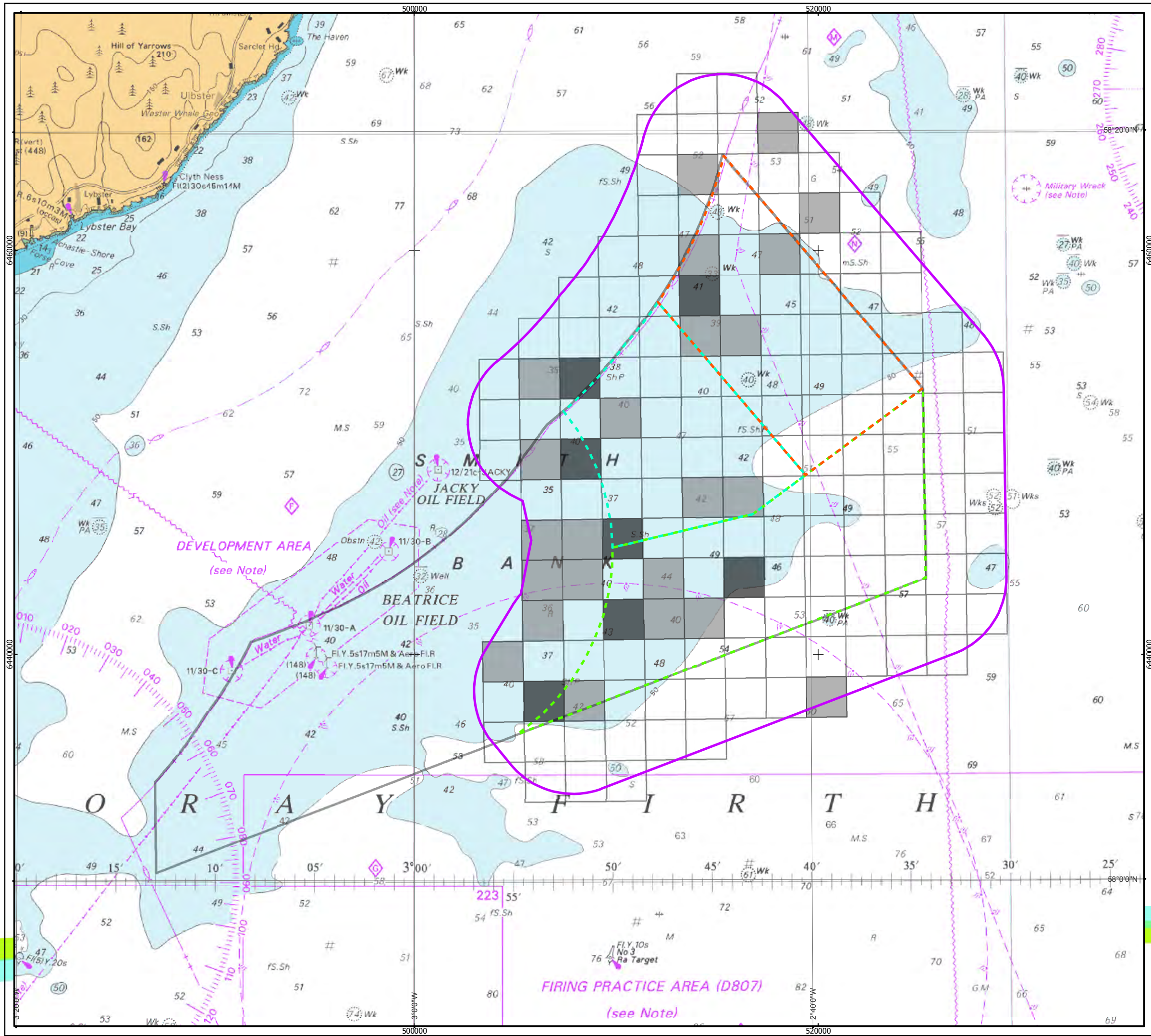
Geodetic Parameters: WGS84 UTM Zone 30N

Produced: LG  
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**Fig 4.4-15a: Harbour Porpoise Density (April 2010 - July 2011)**

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**KEY**

- Telford OWF
- Stevenson OWF
- MacColl OWF
- Boat-based survey area

**Mean number of minke whale observed per survey per grid square**

- 0 - 0.05
- >0.05 - 0.1
- >0.1 - 0.16

Mean number calculated across 19 surveys

Horizontal Scale: 1:180,000 A3 Chart  
N

Geodetic Parameters: WGS84 UTM Zone 30N

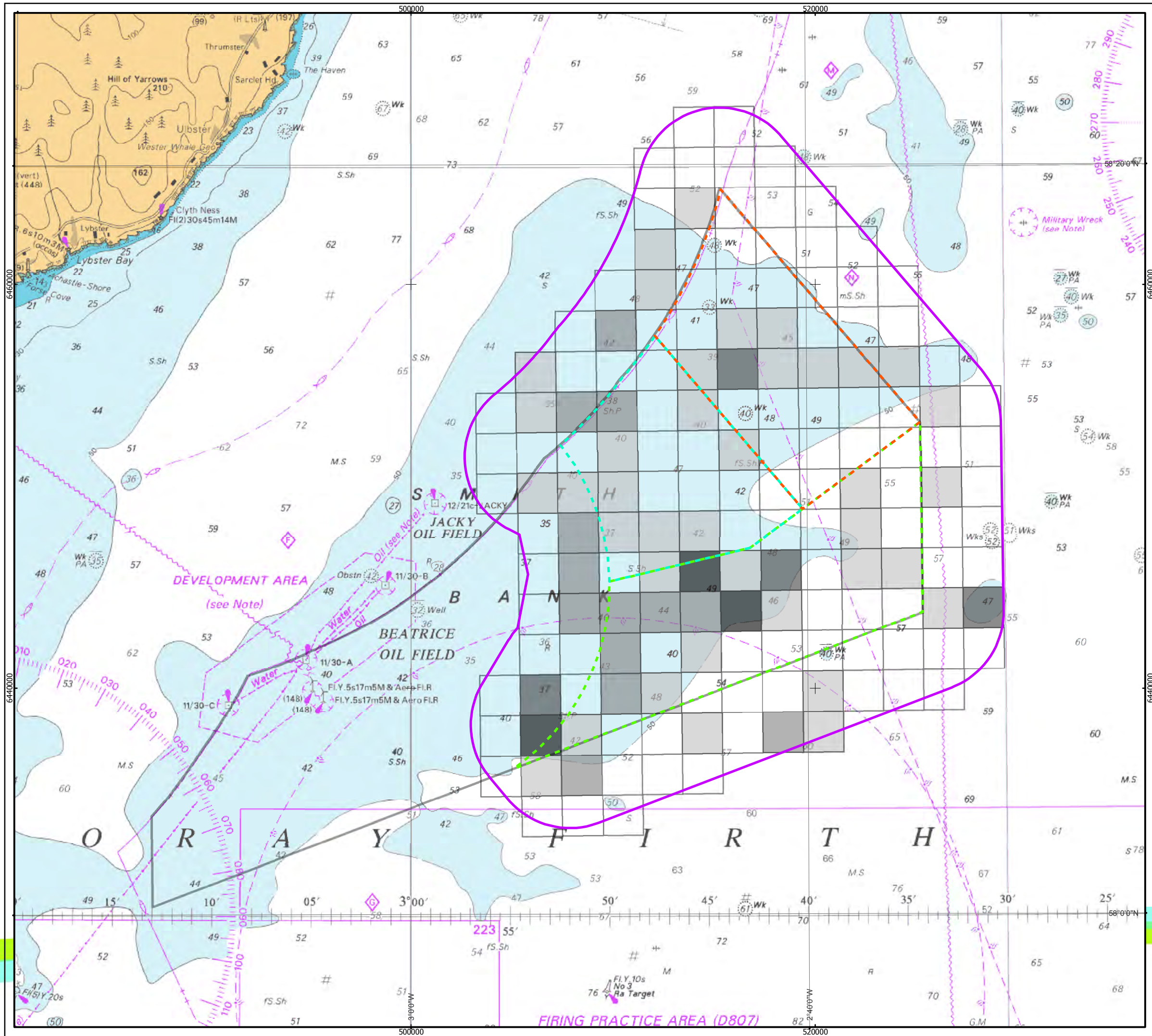
Produced: LG  
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**Fig 4.4-15b: Minke Whale Density (April 2010 - July 2011)**

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**KEY**

- Telford OWF
- Stevenson OWF
- MacColl OWF
- Boat-based survey area

**Mean number of grey seal observed per survey per grid square**

- 0 - 0.05
- >0.05 - 0.1
- >0.1 - 0.15
- >0.15 - 0.2
- >0.2 - 0.27

Mean number calculated across 19 surveys

Horizontal Scale: 1:180,000 A3 Chart

0 4 8 Kilometers N

Geodetic Parameters: WGS84 UTM Zone 30N

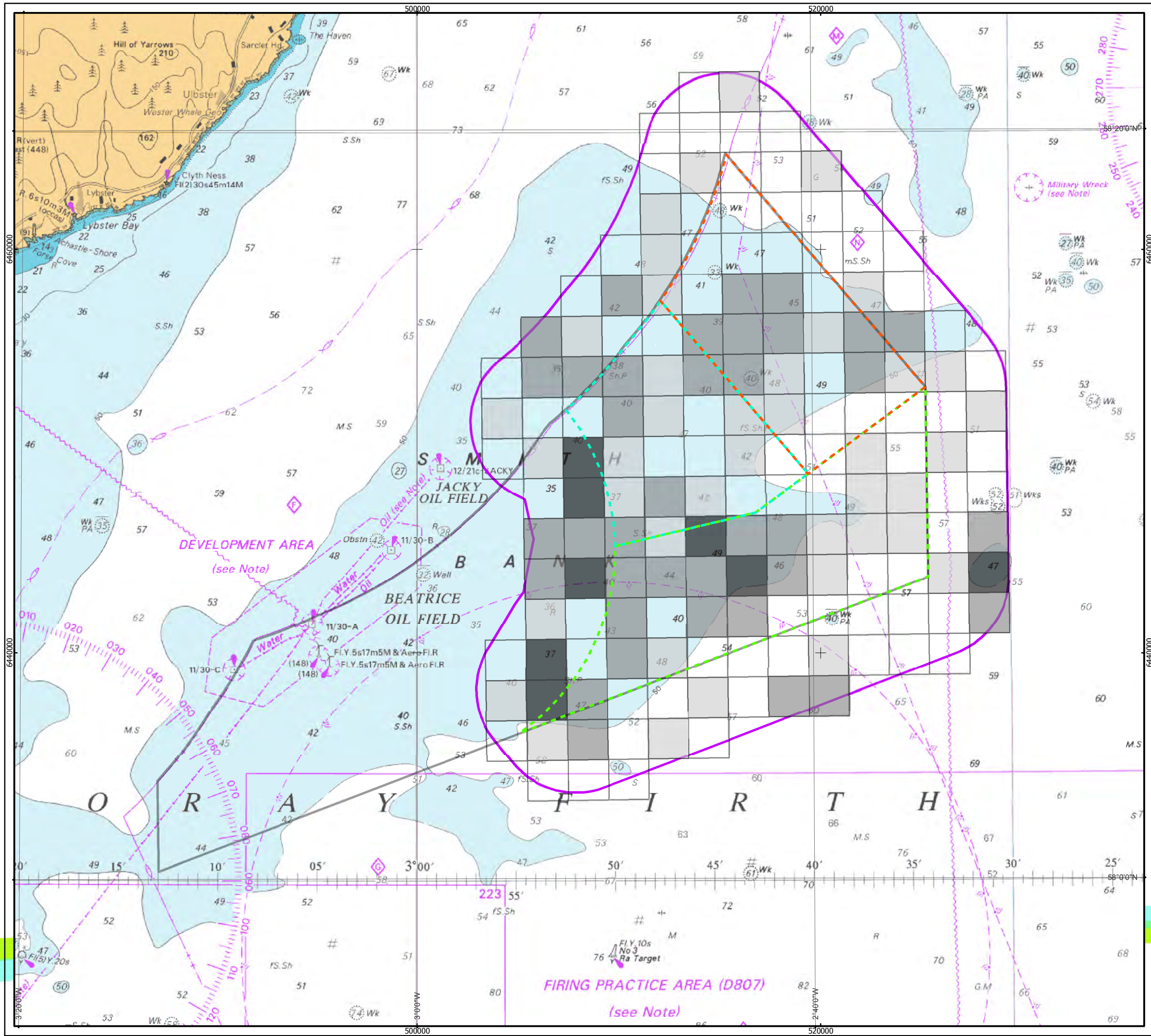
Produced: LG  
Reviewed: SC  
Approved: CJP

Date: 17/11/2011 Revision: A  
REF: 8460001-PPW0200-NPW-MAP-022

**Fig 4.4-15c: Grey Seal Density (April 2010 - July 2011)**

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**Moray Offshore Renewables Ltd**

**KEY**

- Telford OWF
- Stevenson OWF
- MacColl OWF
- Survey area

**Mean number of seals observed per survey per grid square**

- >0 - 0.1
- >0.1 - 0.25
- >0.25 - 0.48

Mean number calculated across 19 surveys

Horizontal Scale: 1:180,000 A3 Chart

Geodetic Parameters: WGS84 UTM Zone 30N

Produced: LG  
 Reviewed: SC  
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 REF: 8460001-PPW0200-NPW-MAP-023

**Fig 4.4-15d: Combined Seal Density (April 2010 - July 2011)**

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