



**Legend**

- Beatrice Offshore Wind Farm Site
- Beatrice Amended OfTW Corridor
- Moray Firth Round 3 Zone Wind Farm
- x Pile Position

**Grey Seal Density (At-Sea Usage)**  
**Proportion per 4 x 4 km Grid Square**

	0 -< 1
	1 -< 5
	5 -< 10
	10 -< 50
	>50

**Area of Behavioural Effect**

- 75 dB<sub>(ht)</sub>
- 90 dB<sub>(ht)</sub>

**Area of Permanent Threshold Shift**

- 198 dB re. 1  $\mu\text{Pa}^2/\text{s}$  - Fleeing

**Grey Seal Numbers**

<span style="color: blue; font-size: 10px;">o</span>	1 - 5	<span style="color: blue; font-size: 20px;">o</span>	101 - 200	<span style="color: blue; font-size: 40px;">o</span>	501 - 1,000
<span style="color: blue; font-size: 12px;">o</span>	6 - 10	<span style="color: blue; font-size: 25px;">o</span>	201 - 300	<span style="color: blue; font-size: 35px;">o</span>	301 - 500
<span style="color: blue; font-size: 14px;">o</span>	11 - 20	<span style="color: blue; font-size: 30px;">o</span>			
<span style="color: blue; font-size: 16px;">o</span>	21 - 30				
<span style="color: blue; font-size: 18px;">o</span>	31 - 50				
<span style="color: blue; font-size: 20px;">o</span>	51 - 100				

Source: Cheney *et al.* 2011  
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0 10 20 40 km    0 4 8 16 Nm

UK Offshore Development  
 Figure 6.15ii  
 Noise Contours Overlaid on Grey Seal  
 Densities for the Stepped  
 Cumulative Scenario

Drawn: MM	Checked: RJ	Approved: TJM
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Drawing Number: BEA-MAP-EWF-BOWL-353	Revision: 02	
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