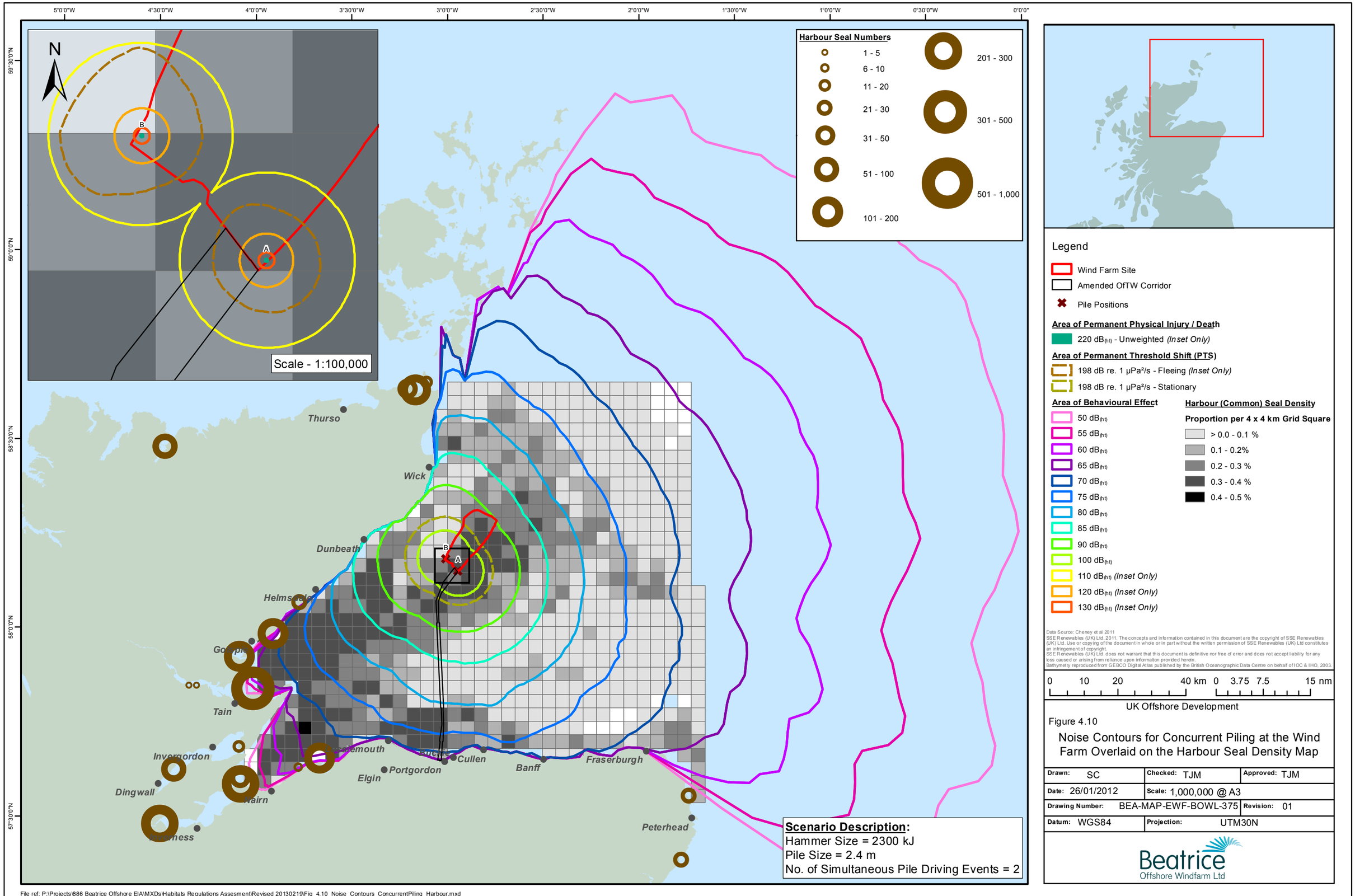

Legend

- Wind Farm Site
- Amended OfTW Corridor
- Pile Positions

Area of Permanent Physical Injury / Death

- 220 $dB_{(ht)}$ - Unweighted *(Inset Only)*

Area of Permanent Threshold Shift (PTS)

- 198 dB re. 1 $\mu Pa^2/s$ - Fleeing *(Inset Only)*
- 198 dB re. 1 $\mu Pa^2/s$ - Stationary

Area of Behavioural Effect

- 50 $dB_{(ht)}$
- 55 $dB_{(ht)}$
- 60 $dB_{(ht)}$
- 65 $dB_{(ht)}$
- 70 $dB_{(ht)}$
- 75 $dB_{(ht)}$
- 80 $dB_{(ht)}$
- 85 $dB_{(ht)}$
- 90 $dB_{(ht)}$
- 100 $dB_{(ht)}$
- 110 $dB_{(ht)}$ *(Inset Only)*
- 120 $dB_{(ht)}$ *(Inset Only)*
- 130 $dB_{(ht)}$ *(Inset Only)*

Harbour (Common) Seal Density

Proportion per 4 x 4 km Grid Square

- > 0.0 - 0.1 %
- 0.1 - 0.2%
- 0.2 - 0.3 %
- 0.3 - 0.4 %
- 0.4 - 0.5 %

Data Source: Cheney et al 2011
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0 10 20 40 km 0 3.75 7.5 15 nm

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Figure 4.10

Noise Contours for Concurrent Piling at the Wind Farm Overlaid on the Harbour Seal Density Map

Drawn: SC	Checked: TJM	Approved: TJM
Date: 26/01/2012	Scale: 1,000,000 @ A3	
Drawing Number: BEA-MAP-EWF-BOWL-375		Revision: 01
Datum: WGS84	Projection: UTM30N	

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File ref: P:\Projects\886 Beatrice Offshore EIA\MXDs\Habitats Regulations Assesment\Revised 20130219\Fig_4.10_Noise_Contours_ConcurrentPiling_Harbour.mxd