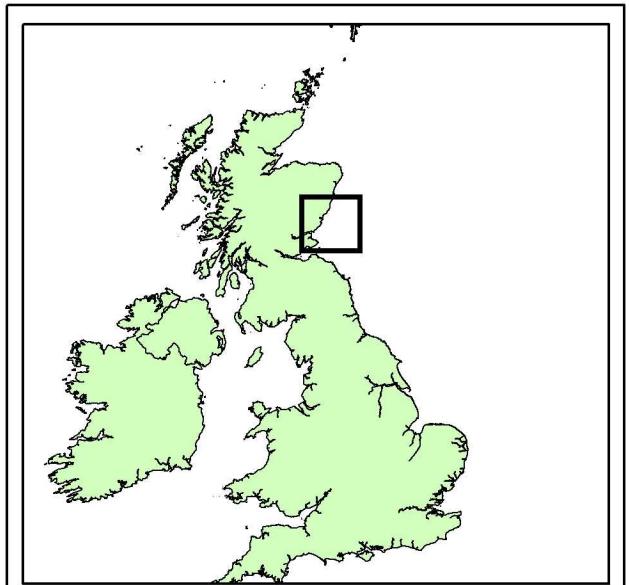


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**Legend**

- Project Alpha and Project Bravo Boundaries
- Grey Seal At-Sea Usage (#/cell)
  - 0 - 1
  - 1 - 5
  - 5 - 10
  - 10 - 50
  - 50 - 100
  - >100
- Unweighted SELss Noise Contours
  - 150 dB re 1µPa<sup>2</sup>s
  - 155 dB re 1µPa<sup>2</sup>s
  - 160 dB re 1µPa<sup>2</sup>s
  - 165 dB re 1µPa<sup>2</sup>s

**Coordinate System**  
 UTM Zone 30 North (WGS84)  
 Projection: Transverse Mercator  
 Central Meridian: -3° East  
 Scale Factor: 0.9996  
 Latitude of Origin: 0° North  
 False Easting: 500000.0  
 False Northing: 0.0  
 Reference Spheroid: WGS84  
 Semi-major Axis: 6378137.0  
 Inverse Flattening: 298.2572236



Project:  
**Firth of Forth Offshore Wind Farm**



Figure / Drawing Title:  
**PROJECT ALPHA MONOPILE INSTALLATION  
 DOSE-RESPONSE UNWEIGHTED SELss NOISE CONTOURS  
 OVERLAIN ON THE GREY SEAL AT-SEA USAGE GRID**

Figure/Drawing Number: FIGURE 10.11

UNLESS THE REVISION IS B OR HIGHER THE DRAWING IS NOT TO BE USED FOR DESIGN OR CONSTRUCTION

REV	DATE	DESCRIPTION	BY	CKD	APPR DEV	APPR ENG
B0	13 JUN 18	FOR FORMAL SUBMISSION	RP	NB	LR	HD
A0	25 MAY 18	FOR REVIEW	RP	NB	LR	HD

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 Seal usage data from Russell et al. 2017