



Legend

Sound effect threshold (Popper et al., 2014) for 3,000kj monopile (S2 Alpha)

186 dB: TTS

203 dB: Recover/Injury

207 dB: Mortality

Spawning Grounds (Coull et al., 1998)

Nursery Grounds (Cefas, 2010)

High Intensity

Low Intensity

Average herring larvae density pr. m2 (IHLS, TotPerm2)

0 - 50

50 - 100

100 - 500

500 - 1000

1000 - 5397

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

W

E

N

S

Project:
Firth of Forth Offshore Wind Farm



Figure / Drawing Title:
NOISE CONTOURS (GROUP 3 FISH INCLUDING HERRING) FOR 3,000KJ MONOPILE INSTALLATION AT PROJECT ALPHA

Figure/Drawing Number: Figure 9.16

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	26 06 2018	FOR FORMAL SUBMISSION	CFI	NB	LR	HD