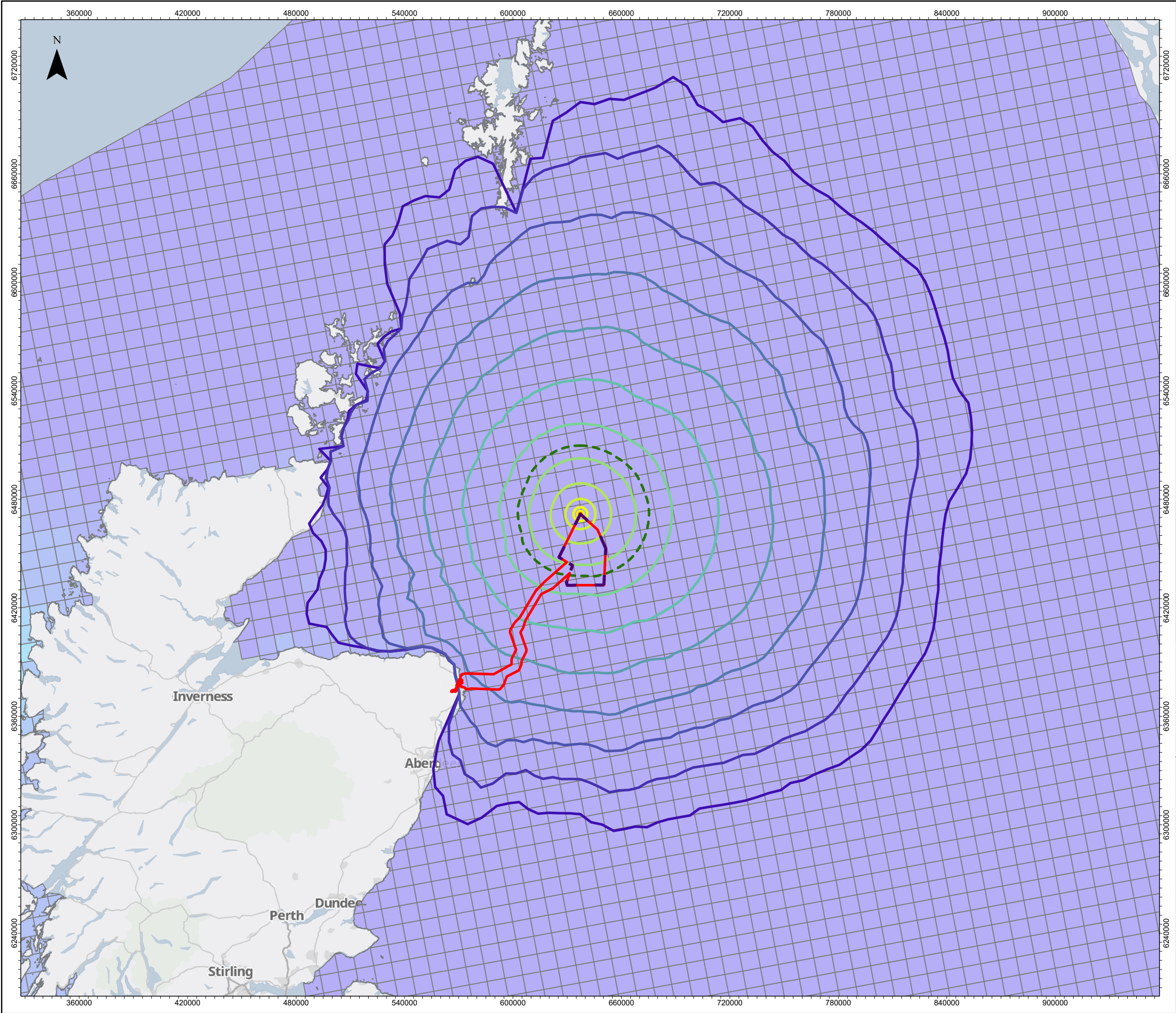




Red Line Boundary

Option Agreement Area

Level B Threshold (160dB)

0.8 - 0.85

0.85 - 0.9

0.9 - 1

>1

0 - 0.025

0.025 - 0.05

0.05 - 0.1

0.1 - 0.15

0.15 - 0.2

0.2 - 0.25

0.25 - 0.3

0.3 - 0.35

0.35 - 0.4

0.4 - 0.45

0.45 - 0.5

0.5 - 0.55

0.55 - 0.6

0.6 - 0.65

0.65 - 0.7

0.7 - 0.75

0.75 - 0.8

120

125

130

135

140

145

150

155

160

165

170

175

180

185

190

195

200

Bottlenose Dolphin Density (ind./km²)

0 - 0.025

0.025 - 0.05

0.05 - 0.1

0.1 - 0.15

0.15 - 0.2

0.2 - 0.25

0.25 - 0.3

0.3 - 0.35

0.35 - 0.4

0.4 - 0.45

0.45 - 0.5

0.5 - 0.55

0.55 - 0.6

0.6 - 0.65

0.65 - 0.7

0.7 - 0.75

0.75 - 0.8

SELss dB re 1 µPa²s (5dB)

120

125

130

135

140

145

150

155

160

165

170

175

180

185

190

195

200

0

50

100

Kilometres

Oslo

Denmark

United Kingdom

North Sea

Scale: 1:20,000,000

3	03/11/2025	EH	LT	MR	NC
2	15/10/2025	EH	LT	MR	NC
1	03/09/2025	EH	LT	MR	NC
REV	REV DATE	GIS CREATOR	GIS REVIEWER	TECHNICAL CHECKER	TECHNICAL APPROVER

WSP DRAWING NUMBER

808368-WEIS-IA-E5-FG-M8-30496

MarramWind DRAWING NUMBER

MAR-GEN-ENV-MAP-WSP-000441

DATUM	ETRS 89	PROJECTION	UTM Zone 30N
SCALE	1:2,000,000	PAGE SIZE	A3

PROJECT TITLE

MarramWind Offshore Wind Farm

DRAWING TITLE

Figure 11.6 Noise contours (SELss) and Level B disturbance contour for piling at the offshore substation north location overlain on the bottlenose dolphin density surface from Gilles *et al.* (2025)

Environmental Impact Assessment Report

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NOT TO BE USED FOR NAVIGATION

wsp

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