

Annex One to Licence MS- 00010172

Coordinates of the route corridors for geophysical surveys of the SHEPD cables in the Moray Firth, Forth and Tay marine region

Cable	Co-ordinates for the survey works, (WGS84)		Co-ordinates for the survey works, (WGS84)		Co-ordinates for EPS licence application form and JNCC noise registry	
	Latitude DMS N	Longitude DMS W	Latitude DD N	Longitude DD W	Latitude DD	Longitude DD
Cromarty Firth	57° 40' 45.709" N	4° 16' 33.100" W	57° 40.762' N	4° 16.552' W	57.67936372	-4.275861227
	57° 40' 56.833" N	4° 16' 26.906" W	57° 40.947' N	4° 16.448' W	57.68245352	-4.274140648
	57° 40' 43.255" N	4° 15' 49.787" W	57° 40.721' N	4° 15.830' W	57.6786819	-4.2638296
	57° 40' 42.447" N	4° 15' 18.933" W	57° 40.707' N	4° 15.316' W	57.6784574	-4.255259164
	57° 40' 18.469" N	4° 14' 12.572" W	57° 40.308' N	4° 14.210' W	57.67179705	-4.236825536
	57° 40' 9.566" N	4° 13' 59.196" W	57° 40.159' N	4° 13.987' W	57.66932382	-4.233109943
	57° 39' 53.333" N	4° 14' 55.455" W	57° 39.889' N	4° 14.924' W	57.66481472	-4.248737512
	57° 40' 23.408" N	4° 16' 13.289" W	57° 40.390' N	4° 16.221' W	57.673169	-4.270358011
	57° 40' 32.046" N	4° 16' 26.216" W	57° 40.534' N	4° 16.437' W	57.67556839	-4.273948894
57° 40' 45.709" N	4° 16' 33.100" W	57° 40.762' N	4° 16.552' W	57.67936372	-4.275861227	
Perth Moncrieff Island North	56° 23' 28.442" N	3° 24' 40.477" W	56° 23.474' N	3° 24.675' W	56.39123381	-3.411243619
	56° 23' 17.755" N	3° 24' 47.597" W	56° 23.296' N	3° 24.793' W	56.3882653	-3.413221333
	56° 23' 4.502" N	3° 25' 18.087" W	56° 23.075' N	3° 25.301' W	56.38458392	-3.421690741
	56° 23' 5.235" N	3° 25' 40.359" W	56° 23.087' N	3° 25.673' W	56.3847876	-3.427877416
	56° 23' 14.490" N	3° 25' 55.175" W	56° 23.241' N	3° 25.920' W	56.38735832	-3.431992941
	56° 23' 34.154" N	3° 25' 54.022" W	56° 23.569' N	3° 25.900' W	56.39282069	-3.431672674
	56° 23' 40.491" N	3° 25' 47.022" W	56° 23.675' N	3° 25.784' W	56.39458087	-3.429728465
	56° 23' 44.438" N	3° 25' 35.747" W	56° 23.741' N	3° 25.596' W	56.39567711	-3.42659645
	56° 23' 42.986" N	3° 24' 56.924" W	56° 23.716' N	3° 24.949' W	56.39527388	-3.415812102
56° 23' 36.834" N	3° 24' 44.739" W	56° 23.614' N	3° 24.746' W	56.393565	-3.412427574	
Perth Moncrieff Island South	56° 22' 46.115" N	3° 25' 31.478" W	56° 22.769' N	3° 25.525' W	56.3794764	-3.425410664
	56° 22' 47.346" N	3° 25' 43.635" W	56° 22.789' N	3° 25.727' W	56.37981837	-3.428787634
	56° 22' 53.929" N	3° 25' 57.548" W	56° 22.899' N	3° 25.959' W	56.38164703	-3.432652211
	56° 23' 3.282" N	3° 26' 1.748" W	56° 23.055' N	3° 26.029' W	56.38424497	-3.433818788
	56° 23' 27.782" N	3° 25' 52.966" W	56° 23.463' N	3° 25.883' W	56.39105055	-3.431379492
	56° 23' 34.243" N	3° 25' 40.684" W	56° 23.571' N	3° 25.678' W	56.39284522	-3.427967771
	56° 23' 35.927" N	3° 25' 25.900" W	56° 23.599' N	3° 25.432' W	56.39331298	-3.423860972
	56° 23' 33.285" N	3° 25' 11.578" W	56° 23.555' N	3° 25.193' W	56.39257905	-3.419882794
	56° 23' 27.025" N	3° 25' 1.558" W	56° 23.450' N	3° 25.026' W	56.39084015	-3.417099462
	56° 23' 3.152" N	3° 24' 57.013" W	56° 23.053' N	3° 24.950' W	56.3842089	-3.415836863
	56° 22' 55.861" N	3° 25' 1.050" W	56° 22.931' N	3° 25.018' W	56.38218359	-3.416958403
56° 22' 51.246" N	3° 25' 7.677" W	56° 22.854' N	3° 25.128' W	56.3809016	-3.418799107	
Rossie Island - Ferryden	56° 42' 11.804" N	2° 28' 8.961" W	56° 42.197' N	2° 28.149' W	56.70327901	-2.469155935
	56° 42' 19.427" N	2° 28' 6.182" W	56° 42.324' N	2° 28.103' W	56.70539633	-2.468383968
	56° 42' 12.125" N	2° 27' 50.468" W	56° 42.202' N	2° 27.841' W	56.70336816	-2.464018882
	56° 42' 12.121" N	2° 27' 17.473" W	56° 42.202' N	2° 27.291' W	56.70336693	-2.454853638
	56° 42' 16.085" N	2° 27' 10.927" W	56° 42.268' N	2° 27.182' W	56.70446812	-2.453035312
	56° 42' 7.184" N	2° 27' 9.722" W	56° 42.120' N	2° 27.162' W	56.70199569	-2.45270061
	56° 42' 4.420" N	2° 27' 52.689" W	56° 42.074' N	2° 27.878' W	56.70122772	-2.464635953
	56° 42' 11.804" N	2° 28' 8.961" W	56° 42.197' N	2° 28.149' W	56.70327901	-2.469155935

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	Latitude DMS N	Longitude DMS W	Latitude DD N	Longitude DD W	Latitude DD	Longitude DD
Tay Crossing East	56° 21' 24.216" N	3° 18' 26.122" W	56° 21.404' N	3° 18.435' W	56.35672668	-3.307256099
	56° 21' 34.211" N	3° 18' 21.390" W	56° 21.570' N	3° 18.357' W	56.35950319	-3.305941682
	56° 21' 28.336" N	3° 18' 10.549" W	56° 21.472' N	3° 18.176' W	56.35787099	-3.302930253
	56° 21' 29.570" N	3° 17' 28.954" W	56° 21.493' N	3° 17.483' W	56.35821398	-3.291376038
	56° 21' 3.598" N	3° 17' 25.657" W	56° 21.060' N	3° 17.428' W	56.35099951	-3.290460161
	56° 21' 4.823" N	3° 17' 59.442" W	56° 21.080' N	3° 17.991' W	56.35133981	-3.29984487
	56° 20' 54.597" N	3° 18' 16.366" W	56° 20.910' N	3° 18.273' W	56.34849906	-3.304546183
	56° 20' 59.001" N	3° 18' 21.389" W	56° 20.983' N	3° 18.356' W	56.34972245	-3.305941341
	56° 21' 12.783" N	3° 18' 4.408" W	56° 21.213' N	3° 18.073' W	56.35355093	-3.301224466
	56° 21' 16.328" N	3° 18' 23.498" W	56° 21.272' N	3° 18.392' W	56.3545356	-3.306527357
	56° 21' 24.216" N	3° 18' 26.122" W	56° 21.404' N	3° 18.435' W	56.35672668	-3.307256099
Tay Crossing West	56° 21' 29.456" N	3° 17' 30.317" W	56° 21.491' N	3° 17.505' W	56.35818229	-3.291754585
	56° 21' 4.112" N	3° 17' 29.938" W	56° 21.069' N	3° 17.499' W	56.35114224	-3.291649428
	56° 21' 4.823" N	3° 17' 59.442" W	56° 21.080' N	3° 17.991' W	56.35133981	-3.29984487
	56° 20' 53.259" N	3° 18' 19.389" W	56° 20.888' N	3° 18.323' W	56.34812738	-3.305385846
	56° 20' 57.303" N	3° 18' 24.636" W	56° 20.955' N	3° 18.411' W	56.34925085	-3.30684339
	56° 21' 12.431" N	3° 18' 4.373" W	56° 21.207' N	3° 18.073' W	56.35345309	-3.30121466
	56° 21' 20.816" N	3° 18' 29.027" W	56° 21.347' N	3° 18.484' W	56.35578216	-3.308063173
	56° 21' 37.570" N	3° 18' 23.346" W	56° 21.626' N	3° 18.389' W	56.36043623	-3.306485103
	56° 21' 28.336" N	3° 18' 10.549" W	56° 21.472' N	3° 18.176' W	56.35787099	-3.302930253
56° 21' 29.456" N	3° 17' 30.317" W	56° 21.491' N	3° 17.505' W	56.35818229	-3.291754585	