

Notice to Mariners

Vessels and General Safety Advice

Introduction

Date of notice:	14 th May 2026
Notice Number:	LIR-LIR-ENV-OFF-GLN-0001
Issued by:	LirIC Interconnector Project
Activity Type:	Unexploded Ordnance (UXO) Investigation and Geotechnical Surveys
Area of Operations:	Kilroot in Northern Ireland & Hunterston in Scotland
<i>Charts and coordinates for the activities are included below.</i>	

Mariners are advised of forthcoming marine survey works associated with the LirIC Interconnector Project. TI LirIC Limited is undertaking this survey in relation to a proposed interconnector between Kilroot in Northern Ireland and Hunterston in Scotland.

Details of the survey and support vessels, including descriptions and contact information, are provided below. Charts of the marine survey corridor are presented in Figures 1-8 and coordinates are presented in Table 1.

Survey Description

The marine survey will be undertaken by GeoXYZ who are due to commence marine surveys on **24th May 2026**. The scope of work comprises:

- Unexploded Ordnance (UXO) Investigation Surveys (Magnetometer); and
- Geotechnical Cone Penetration Testing (CPTs) and Vibrocores.

The UXO works are investigative in nature and are being carried out for the identification of potential UXO targets only. **No UXO detonation or disposal activities will be undertaken as part of this programme.**

Operations are anticipated to be completed by approximately **8th July 2026**, subject to weather and operational constraints.

The survey is being conducted under the following consents and licences:

- Northern Ireland (DAERA) Marine Licence: **MLVAR2025049**
- The Crown Estate Seabed Survey Licence: **CP_LIRIC_01c**
- Crown Estate Scotland Seabed Survey Licence: **EI/0037/DH**
- Clydeport (Peel Ports) Small Works Licence: **WL 02/2026**
- MD-LOT Sediment Sampling Exemption

Vessel Details

The GEOxyz Vessel 'Geo Ocean IX' will be conducting offshore unexploded ordnance (UXO) investigation works, utilizing towed equipment. Geo Ocean IX will also be conducting Geotechnical survey works including Cone Penetration Testing (CPT), vibrocore sampling. GeoSurveyor VIII will be conducting the nearshore surveys (water depths less than 10m LAT).

Offshore Vessel – Geo Ocean IX



Call Sign: LXAJ5
IMO : 9668518
MMSI : 253000082

GeoXYZ Project Manager – Cinthia Labails
+33 6 32 29 57 09 cinthia.labails@geoxyz.eu

Master VSAT:
+311 080 80931 master.geo-ocean9@geoxyz.eu

Bridge:
FBB : +87 07730 66716 bridge.geo-ocean9@geoxyz.eu

Nearshore Vessel - GeoSurveyor VIII



Call Sign: 2FUH9
MMSI: 235094317

GeoXYZ GeoSurveyor
Geosurveyor@geoxyz.eu

General Safety Advice

The vessels will be restricted in their ability to manoeuvre and will display the appropriate lights and shapes prescribed by the International Regulations for Preventing Collisions at Sea. Other vessels are requested to provide a minimum clearance of 500m from the survey vessel during marine operations and pass at a safe speed. Regular Security Messages will be issued on VHF Channel 16 and this Channel will be always monitored by the vessel. The vessel will also transmit regular Automatic Transmission Identification System (AIS) messages.

Fisheries Liaison Contact Details

Fishing liaison for the operations will be coordinated by Blackhall & Powis Ltd. Please see contact details below:

Name	Contact No.	Email
Tommy Finn Director	07787 503119	Tommy.Finn@blackhallpowis.com
Douglas Brander Operations Manager	07307 195830	Douglas.Brande@blackhallpowis.com

The local Fishing Industry Representatives (FIR) will also be in place to liaise with the vessels and fishing operations in the survey area.

Name	Contact No.	Email
James Jack FIR, Firth of Clyde	07795 576560	jimmyjack808@gmail.com
Brian Chambers FIR, Northern Ireland	07729 061695	brian@anifpo.com

Legal Notice

Please be advised that this Notice to Mariners should be treated as official notice of the nature, duration and location of the works which are scheduled to take place. During the period of this notice, we request that you plan your activities around our short-term, temporary activities.

Any failure to remove equipment or entry into the identified location in a manner that would constitute a hazard would be a breach of your duties of safe seamanship as described in the Convention on International Regulations for Preventing Collisions at Sea 1972 and/or the Merchant Shipping Act 1995 and may result in removal of the relevant equipment. Failure to remove equipment or entry into the identified location in a manner that would constitute a hazard may constitute a breach of duty of care at common law, and a failure to protect submarine cables for successful seabed user co-existence under Scotland's National Marine Plan.

Figure 1: Overview

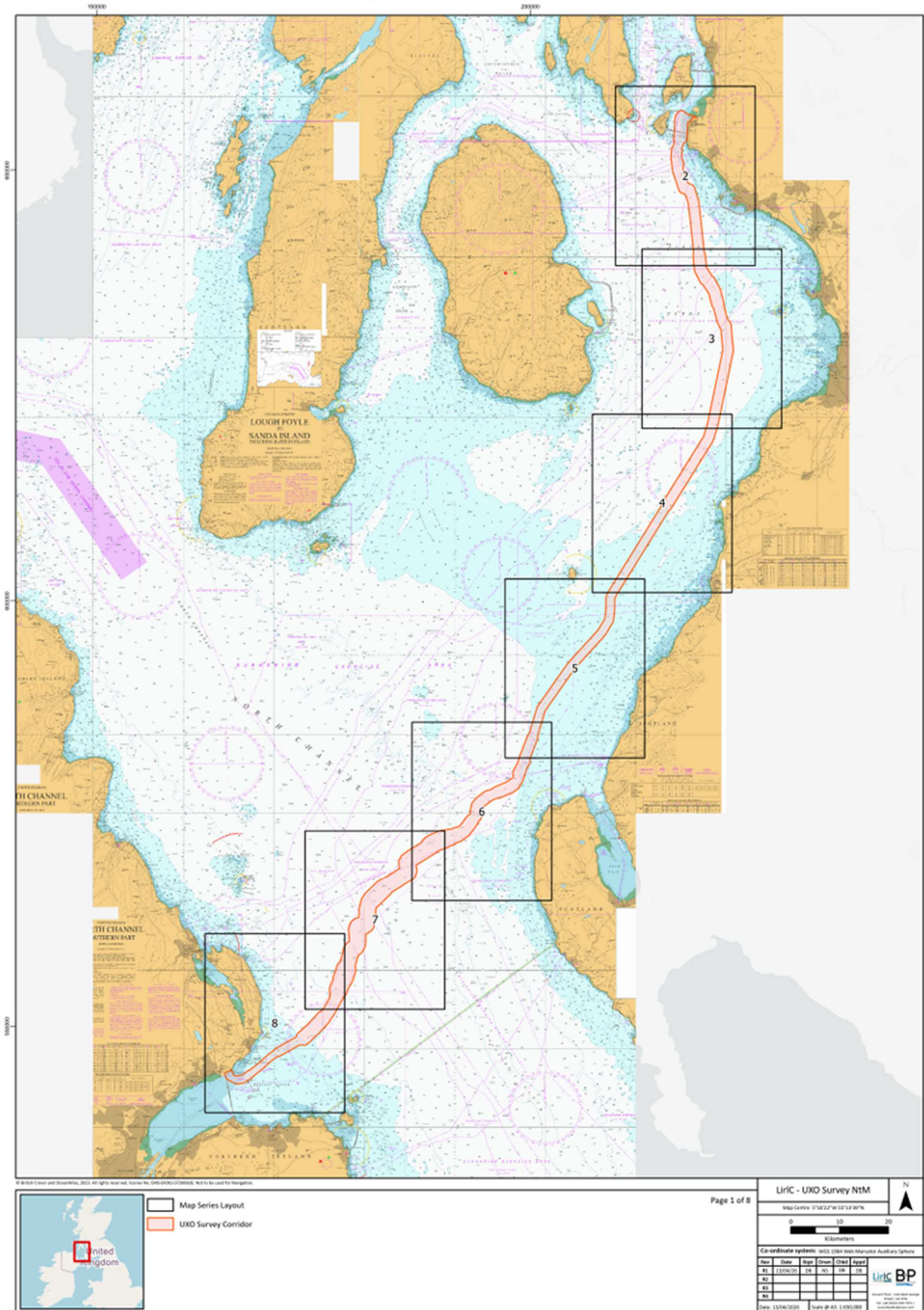


Figure 2: Marine Survey Corridor

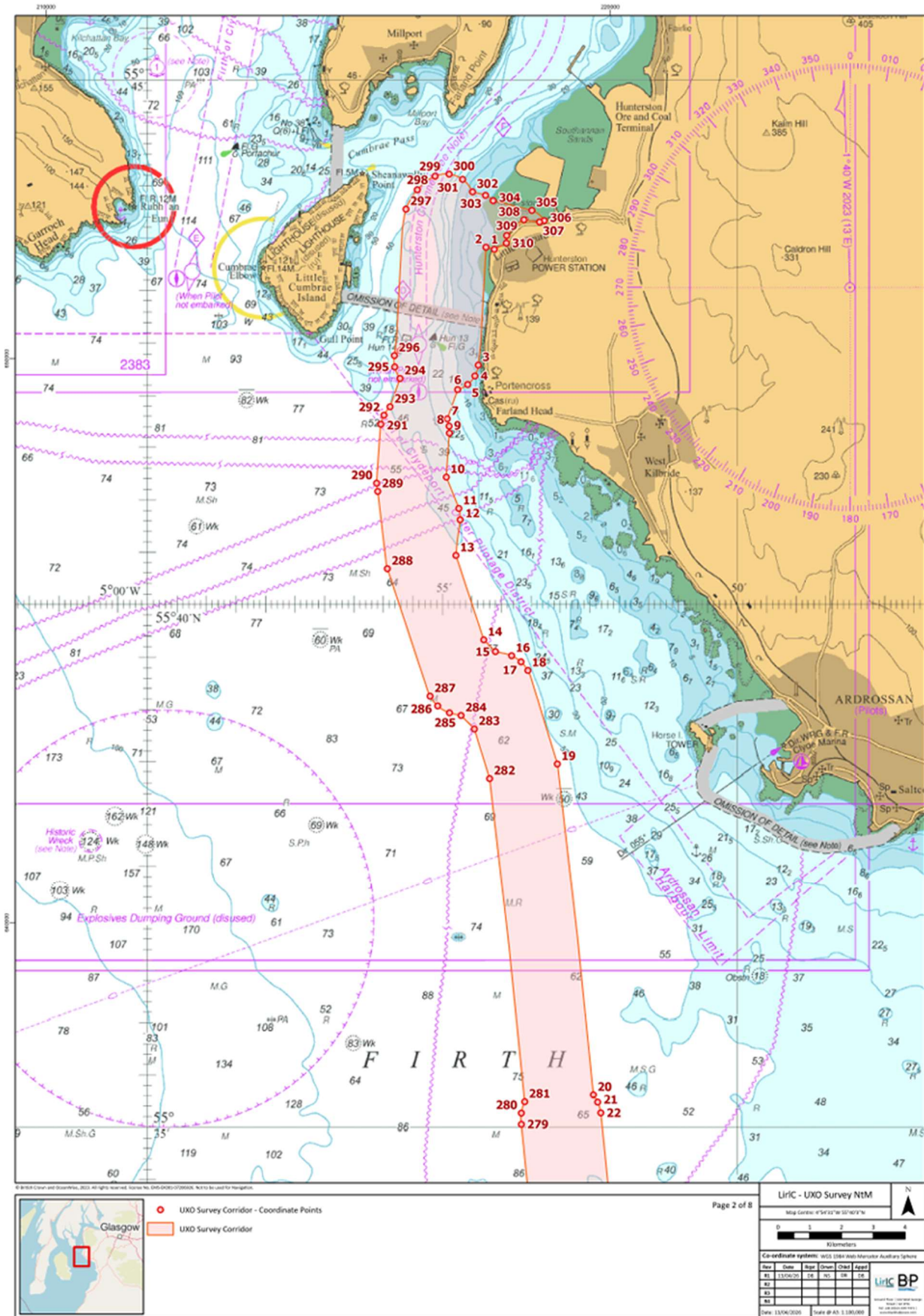


Figure 3: Marine Survey Corridor

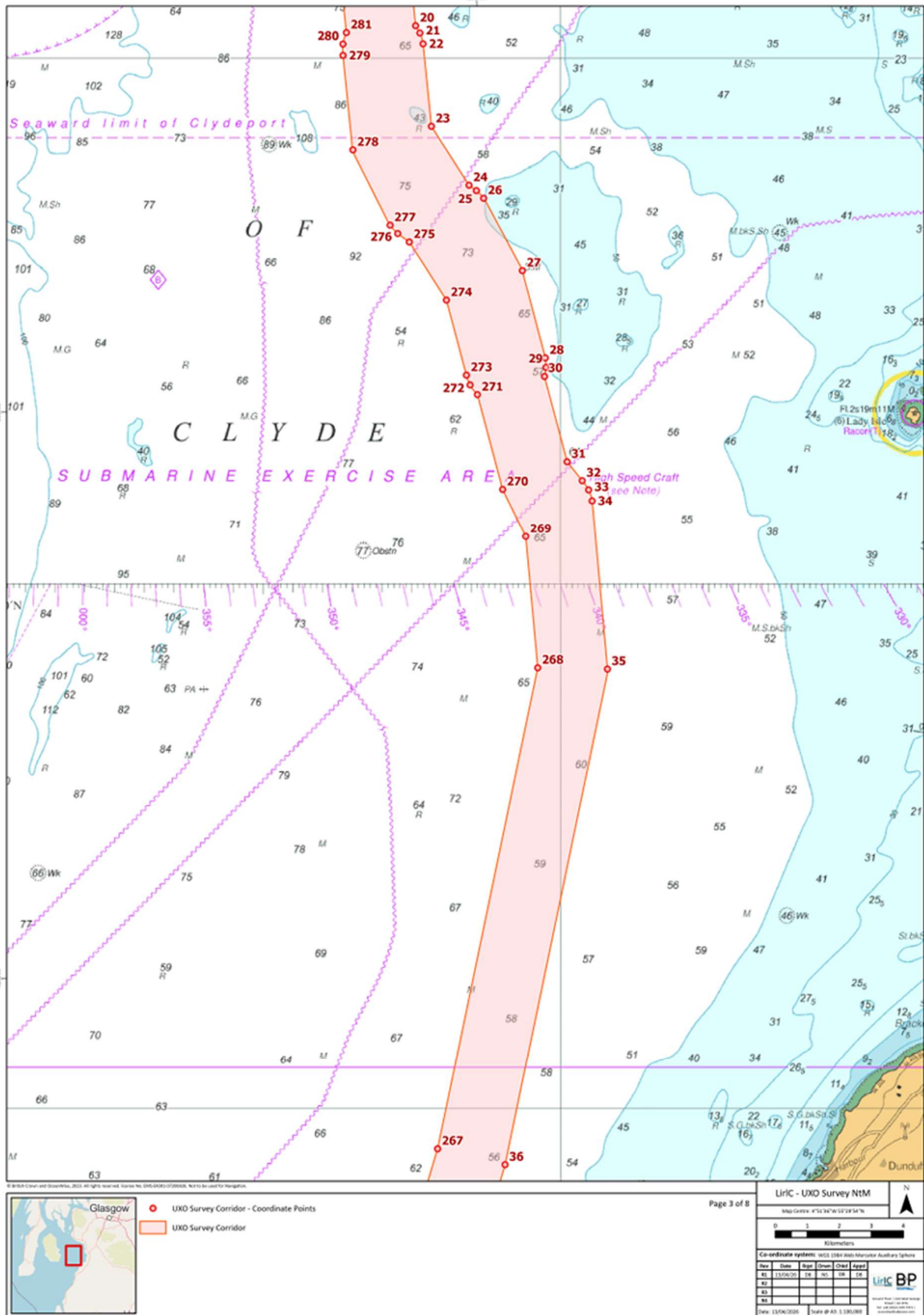


Figure 5: Marine Survey Corridor

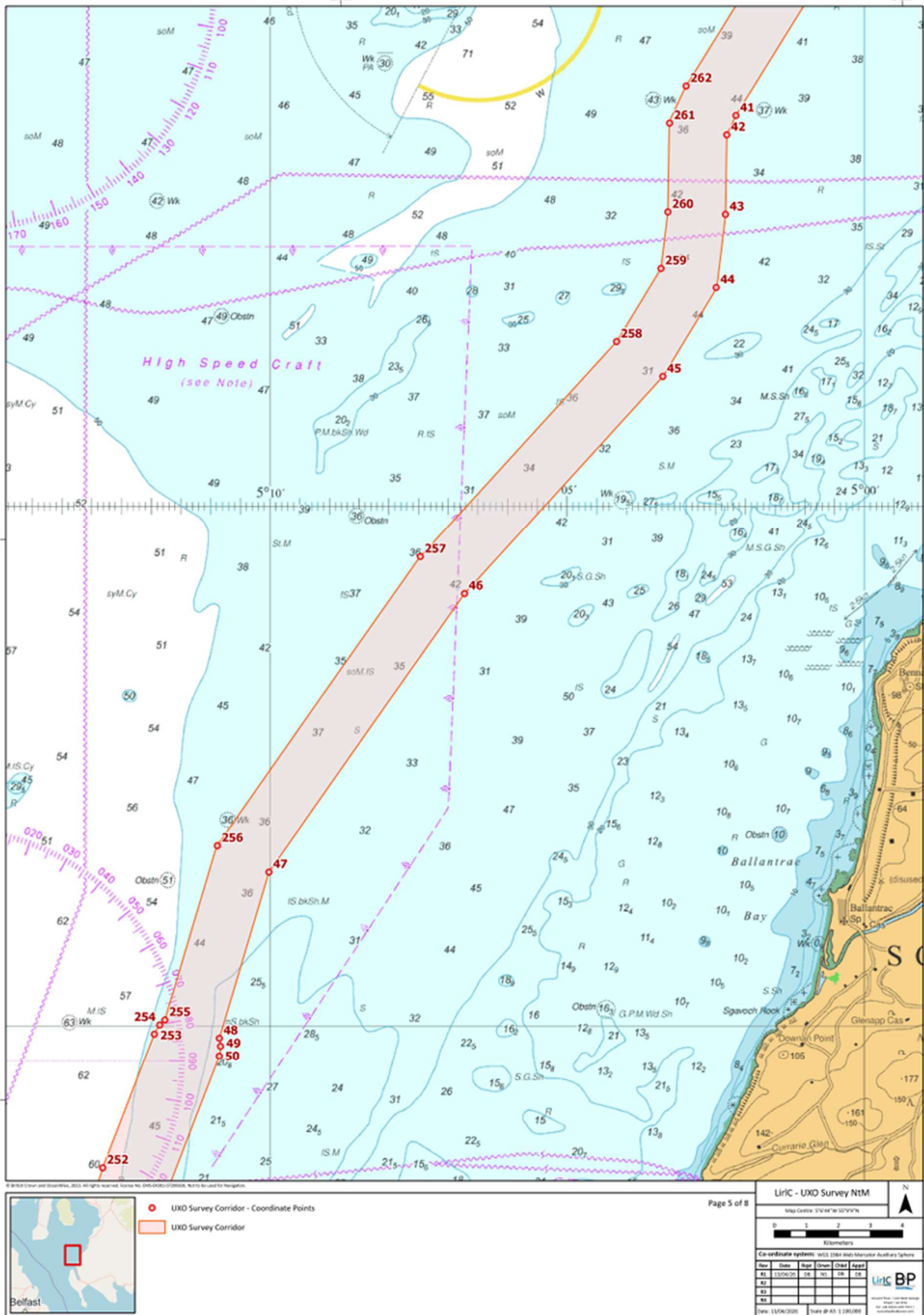


Figure 8: Marine Survey Corridor

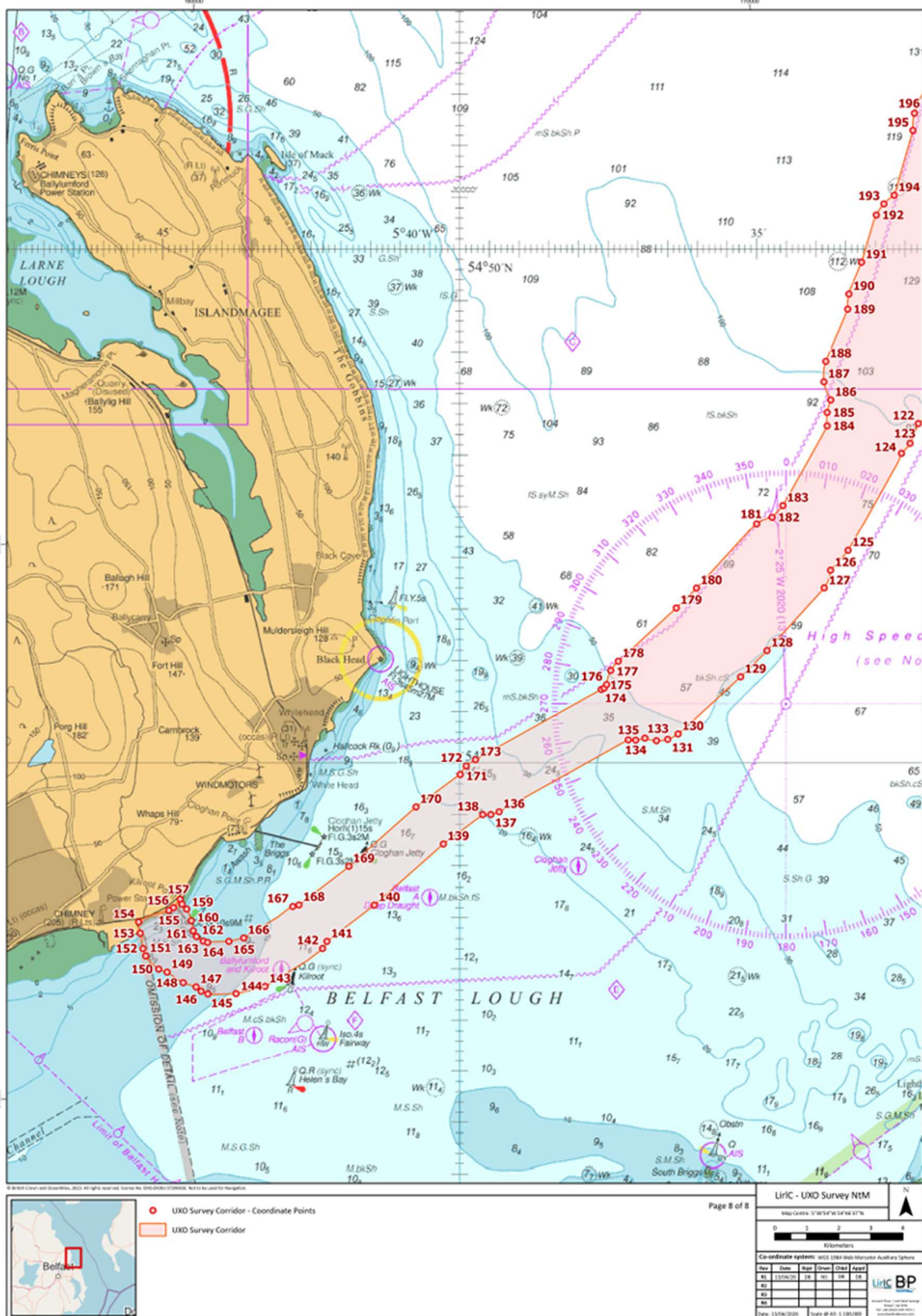


Table 1: Marine Survey Corridor

Vertices	Latitude DDM	Longitude DDM	Vertices Cont.	Latitude DDM	Longitude DDM
1	55° 43.388' N	004° 54.115' W	156	54° 43.592' N	005° 44.817' W
2	55° 43.408' N	004° 54.257' W	157	54° 43.673' N	005° 44.704' W
3	55° 42.285' N	004° 54.387' W	158	54° 43.626' N	005° 44.673' W
4	55° 42.182' N	004° 54.444' W	159	54° 43.577' N	005° 44.596' W
5	55° 42.1' N	004° 54.567' W	160	54° 43.465' N	005° 44.517' W
6	55° 42.052' N	004° 54.736' W	161	54° 43.367' N	005° 44.486' W
7	55° 41.773' N	004° 54.912' W	162	54° 43.311' N	005° 44.43' W
8	55° 41.704' N	004° 54.881' W	163	54° 43.267' N	005° 44.316' W
9	55° 41.637' N	004° 54.877' W	164	54° 43.254' N	005° 44.244' W
10	55° 41.211' N	004° 54.928' W	165	54° 43.264' N	005° 43.885' W
11	55° 40.912' N	004° 54.717' W	166	54° 43.297' N	005° 43.635' W
12	55° 40.804' N	004° 54.694' W	167	54° 43.603' N	005° 42.809' W
13	55° 40.465' N	004° 54.766' W	168	54° 43.618' N	005° 42.706' W
14	55° 39.66' N	004° 54.293' W	169	54° 43.994' N	005° 41.865' W
15	55° 39.547' N	004° 54.096' W	170	54° 44.57' N	005° 40.736' W
16	55° 39.508' N	004° 53.822' W	171	54° 44.885' N	005° 39.99' W
17	55° 39.45' N	004° 53.662' W	172	54° 44.968' N	005° 39.89' W
18	55° 39.367' N	004° 53.546' W	173	54° 45.029' N	005° 39.734' W
19	55° 38.475' N	004° 53.046' W	174	54° 45.711' N	005° 37.617' W
20	55° 35.306' N	004° 52.435' W	175	54° 45.725' N	005° 37.567' W
21	55° 35.237' N	004° 52.362' W	176	54° 45.759' N	005° 37.525' W
22	55° 35.134' N	004° 52.309' W	177	54° 45.896' N	005° 37.456' W
23	55° 34.35' N	004° 52.169' W	178	54° 45.986' N	005° 37.33' W
24	55° 33.791' N	004° 51.536' W	179	54° 46.502' N	005° 36.353' W
25	55° 33.74' N	004° 51.412' W	180	54° 46.695' N	005° 36.013' W
26	55° 33.667' N	004° 51.29' W	181	54° 47.326' N	005° 35.0' W
27	55° 32.979' N	004° 50.639' W	182	54° 47.39' N	005° 34.739' W
28	55° 32.149' N	004° 50.252' W	183	54° 47.504' N	005° 34.558' W
29	55° 32.059' N	004° 50.241' W	184	54° 48.278' N	005° 33.813' W
30	55° 31.973' N	004° 50.266' W	185	54° 48.407' N	005° 33.813' W
31	55° 31.162' N	004° 49.885' W	186	54° 48.529' N	005° 33.752' W
32	55° 30.982' N	004° 49.632' W	187	54° 48.705' N	005° 33.867' W
33	55° 30.894' N	004° 49.523' W	188	54° 48.903' N	005° 33.836' W
34	55° 30.789' N	004° 49.464' W	189	54° 49.409' N	005° 33.467' W
35	55° 29.181' N	004° 49.207' W	190	54° 49.556' N	005° 33.447' W
36	55° 24.452' N	004° 50.93' W	191	54° 49.864' N	005° 33.234' W
37	55° 23.459' N	004° 51.458' W	192	54° 50.322' N	005° 32.986' W
38	55° 19.198' N	004° 56.111' W	193	54° 50.43' N	005° 32.858' W
39	55° 19.138' N	004° 56.208' W	194	54° 50.514' N	005° 32.684' W
40	55° 19.093' N	004° 56.336' W	195	54° 51.142' N	005° 32.369' W
41	55° 13.743' N	005° 2.161' W	196	54° 51.309' N	005° 32.343' W
42	55° 13.557' N	005° 2.315' W	197	54° 51.679' N	005° 31.973' W
43	55° 12.794' N	005° 2.336' W	198	54° 51.818' N	005° 31.684' W
44	55° 12.093' N	005° 2.493' W	199	54° 52.059' N	005° 31.662' W
45	55° 11.239' N	005° 3.391' W	200	54° 52.566' N	005° 31.766' W
46	55° 9.148' N	005° 6.727' W	201	54° 52.776' N	005° 31.69' W
47	55° 6.472' N	005° 10.018' W	202	54° 53.066' N	005° 31.447' W
48	55° 4.872' N	005° 10.852' W	203	54° 53.204' N	005° 31.163' W
49	55° 4.795' N	005° 10.833' W	204	54° 53.305' N	005° 30.831' W
50	55° 4.699' N	005° 10.854' W	205	54° 53.326' N	005° 30.64' W
51	55° 3.452' N	005° 11.691' W	206	54° 53.572' N	005° 30.579' W
52	55° 3.229' N	005° 11.683' W	207	54° 53.9' N	005° 30.588' W
53	55° 3.127' N	005° 11.73' W	208	54° 54.483' N	005° 30.329' W

54	55° 3.037' N	005° 11.832' W	209	54° 54.615' N	005° 30.213' W
55	55° 2.976' N	005° 11.926' W	210	54° 54.693' N	005° 30.098' W
56	55° 2.898' N	005° 12.003' W	211	54° 54.846' N	005° 29.948' W
57	55° 2.198' N	005° 12.393' W	212	54° 55.667' N	005° 28.453' W
58	55° 2.139' N	005° 12.416' W	213	54° 55.733' N	005° 28.206' W
59	55° 1.955' N	005° 12.544' W	214	54° 56.183' N	005° 26.943' W
60	55° 1.736' N	005° 12.828' W	215	54° 56.502' N	005° 26.095' W
61	55° 1.639' N	005° 12.891' W	216	54° 56.736' N	005° 26.188' W
62	55° 1.526' N	005° 13.052' W	217	54° 56.946' N	005° 26.188' W
63	55° 1.305' N	005° 13.607' W	218	54° 57.242' N	005° 25.966' W
64	55° 0.948' N	005° 15.125' W	219	54° 57.355' N	005° 25.783' W
65	55° 0.945' N	005° 15.349' W	220	54° 57.644' N	005° 25.093' W
66	55° 0.823' N	005° 15.855' W	221	54° 58.146' N	005° 23.685' W
67	55° 0.781' N	005° 15.935' W	222	54° 58.283' N	005° 23.556' W
68	55° 0.734' N	005° 16.081' W	223	54° 58.461' N	005° 23.236' W
69	55° 0.427' N	005° 16.763' W	224	54° 58.663' N	005° 22.606' W
70	55° 0.301' N	005° 16.948' W	225	54° 58.852' N	005° 21.804' W
71	55° 0.086' N	005° 17.022' W	226	54° 58.921' N	005° 21.383' W
72	54° 59.742' N	005° 17.041' W	227	54° 58.921' N	005° 21.085' W
73	54° 59.64' N	005° 17.112' W	228	54° 58.983' N	005° 20.663' W
74	54° 59.557' N	005° 17.224' W	229	54° 58.979' N	005° 20.464' W
75	54° 59.425' N	005° 17.441' W	230	54° 59.108' N	005° 19.843' W
76	54° 59.29' N	005° 17.524' W	231	54° 59.118' N	005° 19.641' W
77	54° 58.555' N	005° 18.51' W	232	54° 59.176' N	005° 19.492' W
78	54° 58.34' N	005° 19.05' W	233	54° 59.519' N	005° 19.017' W
79	54° 58.275' N	005° 19.162' W	234	54° 59.815' N	005° 18.631' W
80	54° 58.219' N	005° 19.32' W	235	54° 59.883' N	005° 18.429' W
81	54° 58.081' N	005° 19.958' W	236	54° 59.968' N	005° 18.29' W
82	54° 57.993' N	005° 20.163' W	237	55° 0.162' N	005° 18.284' W
83	54° 57.917' N	005° 20.544' W	238	55° 0.631' N	005° 18.099' W
84	54° 57.812' N	005° 20.836' W	239	55° 0.951' N	005° 17.646' W
85	54° 57.756' N	005° 21.145' W	240	55° 1.375' N	005° 16.693' W
86	54° 57.614' N	005° 21.744' W	241	55° 1.428' N	005° 16.449' W
87	54° 57.516' N	005° 22.053' W	242	55° 1.434' N	005° 16.306' W
88	54° 57.418' N	005° 22.254' W	243	55° 1.557' N	005° 15.79' W
89	54° 57.371' N	005° 22.418' W	244	55° 1.665' N	005° 15.576' W
90	54° 57.307' N	005° 22.563' W	245	55° 1.982' N	005° 14.257' W
91	54° 56.765' N	005° 24.093' W	246	55° 2.163' N	005° 13.799' W
92	54° 56.681' N	005° 24.293' W	247	55° 2.193' N	005° 13.672' W
93	54° 56.402' N	005° 24.196' W	248	55° 2.292' N	005° 13.551' W
94	54° 56.19' N	005° 24.25' W	249	55° 2.59' N	005° 13.582' W
95	54° 55.987' N	005° 24.36' W	250	55° 2.688' N	005° 13.539' W
96	54° 55.808' N	005° 24.573' W	251	55° 3.167' N	005° 13.066' W
97	54° 55.689' N	005° 24.883' W	252	55° 3.619' N	005° 12.817' W
98	54° 55.551' N	005° 25.306' W	253	55° 4.912' N	005° 11.947' W
99	54° 54.94' N	005° 26.986' W	254	55° 5.001' N	005° 11.856' W
100	54° 54.8' N	005° 27.142' W	255	55° 5.049' N	005° 11.771' W
101	54° 54.032' N	005° 28.529' W	256	55° 6.726' N	005° 10.886' W
102	54° 53.973' N	005° 28.681' W	257	55° 9.505' N	005° 7.471' W
103	54° 53.797' N	005° 28.764' W	258	55° 11.574' N	005° 4.169' W
104	54° 53.499' N	005° 28.757' W	259	55° 12.276' N	005° 3.422' W
105	54° 52.699' N	005° 28.981' W	260	55° 12.818' N	005° 3.307' W
106	54° 52.52' N	005° 29.186' W	261	55° 13.669' N	005° 3.277' W
107	54° 52.334' N	005° 29.645' W	262	55° 14.025' N	005° 3.0' W
108	54° 52.291' N	005° 29.876' W	263	55° 19.386' N	004° 57.162' W
109	54° 52.078' N	005° 29.836' W	264	55° 19.484' N	004° 57.141' W
110	54° 51.548' N	005° 29.893' W	265	55° 19.564' N	004° 57.079' W
111	54° 51.372' N	005° 30.012' W	266	55° 23.717' N	004° 52.536' W

112	54° 51.095' N	005° 30.311' W	267	55° 24.603' N	004° 52.065' W
113	54° 50.962' N	005° 30.623' W	268	55° 29.194' N	004° 50.38' W
114	54° 50.87' N	005° 30.726' W	269	55° 30.446' N	004° 50.582' W
115	54° 50.25' N	005° 31.033' W	270	55° 30.898' N	004° 50.97' W
116	54° 50.101' N	005° 30.953' W	271	55° 31.8' N	004° 51.395' W
117	54° 49.938' N	005° 30.961' W	272	55° 31.893' N	004° 51.518' W
118	54° 49.431' N	005° 31.221' W	273	55° 31.985' N	004° 51.58' W
119	54° 49.107' N	005° 31.467' W	274	55° 32.699' N	004° 51.916' W
120	54° 48.982' N	005° 31.651' W	275	55° 33.251' N	004° 52.541' W
121	54° 48.404' N	005° 32.095' W	276	55° 33.331' N	004° 52.735' W
122	54° 48.3' N	005° 32.277' W	277	55° 33.411' N	004° 52.864' W
123	54° 48.108' N	005° 32.417' W	278	55° 34.127' N	004° 53.49' W
124	54° 48.011' N	005° 32.561' W	279	55° 35.024' N	004° 53.657' W
125	54° 47.063' N	005° 33.46' W	280	55° 35.131' N	004° 53.657' W
126	54° 46.869' N	005° 33.756' W	281	55° 35.241' N	004° 53.6' W
127	54° 46.698' N	005° 33.862' W	282	55° 38.336' N	004° 54.195' W
128	54° 46.088' N	005° 34.825' W	283	55° 38.809' N	004° 54.453' W
129	54° 45.834' N	005° 35.27' W	284	55° 38.938' N	004° 54.679' W
130	54° 45.279' N	005° 36.323' W	285	55° 38.963' N	004° 54.875' W
131	54° 45.227' N	005° 36.497' W	286	55° 39.029' N	004° 55.075' W
132	54° 45.213' N	005° 36.687' W	287	55° 39.122' N	004° 55.204' W
133	54° 45.239' N	005° 36.881' W	288	55° 40.338' N	004° 55.929' W
134	54° 45.219' N	005° 37.036' W	289	55° 41.075' N	004° 56.092' W
135	54° 45.222' N	005° 37.161' W	290	55° 41.153' N	004° 56.111' W
136	54° 44.522' N	005° 39.336' W	291	55° 41.722' N	004° 56.039' W
137	54° 44.496' N	005° 39.475' W	292	55° 41.808' N	004° 55.986' W
138	54° 44.495' N	005° 39.61' W	293	55° 41.888' N	004° 55.883' W
139	54° 44.21' N	005° 40.274' W	294	55° 42.158' N	004° 55.713' W
140	54° 43.616' N	005° 41.436' W	295	55° 42.268' N	004° 55.804' W
141	54° 43.263' N	005° 42.235' W	296	55° 42.376' N	004° 55.81' W
142	54° 43.194' N	005° 42.308' W	297	55° 43.771' N	004° 55.614' W
143	54° 42.826' N	005° 43.276' W	298	55° 43.955' N	004° 55.421' W
144	54° 42.755' N	005° 43.764' W	299	55° 44.085' N	004° 55.12' W
145	54° 42.752' N	005° 44.238' W	300	55° 44.104' N	004° 54.88' W
146	54° 42.779' N	005° 44.352' W	301	55° 44.055' N	004° 54.653' W
147	54° 42.82' N	005° 44.438' W	302	55° 43.936' N	004° 54.484' W
148	54° 42.862' N	005° 44.653' W	303	55° 43.902' N	004° 54.264' W
149	54° 42.964' N	005° 44.926' W	304	55° 43.852' N	004° 54.135' W
150	54° 42.994' N	005° 45.067' W	305	55° 43.758' N	004° 53.478' W
151	54° 43.122' N	005° 45.286' W	306	55° 43.661' N	004° 53.269' W
152	54° 43.194' N	005° 45.331' W	307	55° 43.649' N	004° 53.348' W
153	54° 43.343' N	005° 45.377' W	308	55° 43.67' N	004° 53.613' W
154	54° 43.452' N	005° 45.404' W	309	55° 43.52' N	004° 53.906' W
155	54° 43.564' N	005° 44.895' W	310	55° 43.448' N	004° 53.911' W