

Legend

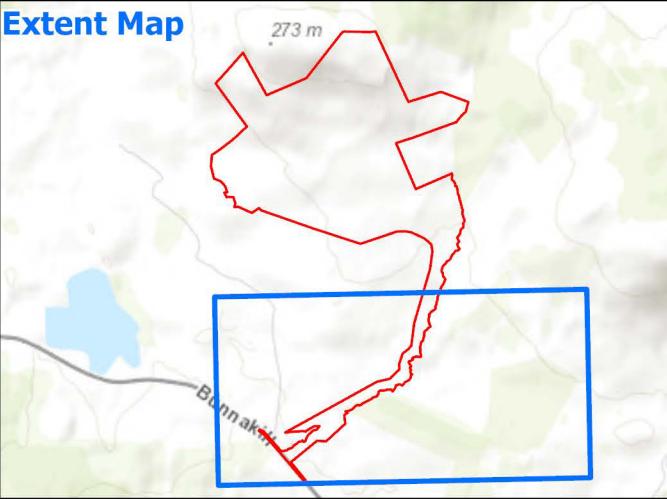
Safety Ratio +20 kPa

Surcharge

- FOS N/A ($\leq 0.5\text{m Peat}$)
- ≤ 1
- > 1

- Temporary Construction Compound
- Redline Boundary
- Hardstand and Roads
- Grid Connection Route

Extent Map

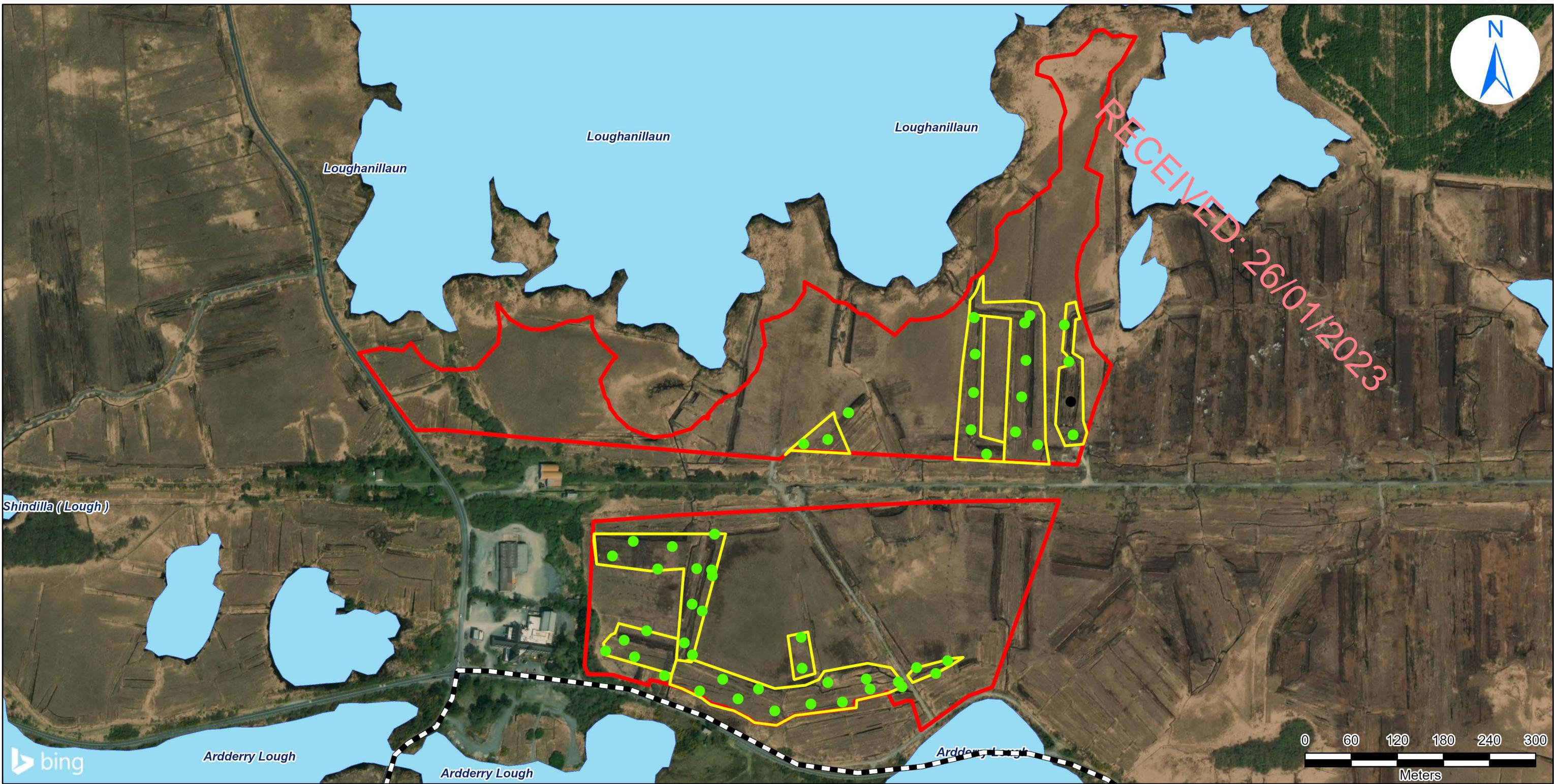


EMPower, Jennings O'Donovan & Partners, Andrew Garne Geotechnical Services and EcoQuest Environmental

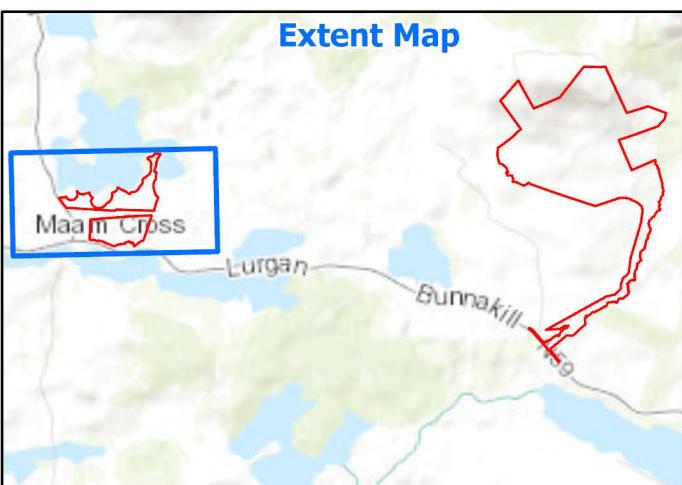
Prepared by EcoQuest Environmental with design data provided by Jennings O'Donovan & Partners and with Peat Depth Data Provided by Andrew Garne Geotechnical Services

© 2022 Microsoft Corporation © 2022 Maxar ©CNES (2022) Distribution Airbus DS, Esri, HERE, Garmin, USGS, NGA, Esri, HERE, Garmin, FAO, USGS, NGA

Client: Jennings O'Donovan & Partners	Project: Tullaghmore Wind Farm
Map Title: Calculated Safety Ratios + 20 kPa for Southern Extent of the Main Site	Spatial Reference
Name: IRENET95 Irish Transverse Mercator	Figure Number: 12
Date Exported: 24/08/2022	Page Size: A3
Revision Number: 5	Scale: 1:6,000
Tel: +353 (91) 897 583	Prepared By: DP
Email: info@ecoquest.ie	Checked By: AG
Web: www.ecoquest.ie	EcoQuest Environmental



Legend	
— Grid Connection Route	
— Spoil Storage Areas	
— Redline Boundary	
■ Lakes	
Safety Ratio +20 kPa Surcharge	
● FOS N/A ($\leq 0.5\text{m Peat}$)	
● > 1	



Client: Jennings O'Donovan & Partners	
Project: Tullaghmore Wind Farm	
Map Title: Calculated Safety Ratios + 20 kPa for Spoil Storage Areas	
Spatial Reference	
Name: IRENET95 Irish Transverse Mercator	
Figure Number: 13	Page Size: A3
Date Exported: 24/08/2022	Scale: 1:5,000
Revision Number: 1	Prepared By: DP
Tel: +353 (91) 897 583	Checked By: AG
Email: info@ecoquest.ie	
Web: www.ecoquest.ie	

EcoQuest Environmental

4.4. Slope Stability Analysis Conclusions

Based on the analyses presented, the locations of the turbines and the substation are considered to be stable. The results give rise to in-situ safety ratios for translational slides which are above the minimum required value for all locations analysed.

Safety ratios which include a surcharge of 20kPa to simulate loading of the peat (by traffic, floating roads or stockpiling) are also shown in Tables 4 and 5. The ratios show that some of the locations are considered to be potentially unstable in the long term without suitable mitigation measures, if they are surcharged by 20kPa (highlighted in red in Tables 4 and 5).

5. PSRA Discussion and Mitigation Measures

The desk study has identified that the site geology comprises predominantly blanket peat overlying shallow granite or quartzite bedrock.

Multiple site walkovers were undertaken which comprised peat probes, hand-held shear vanes and gouge cores at turbine and substation locations with additional peat probes and hand-held shear vane along the proposed access routes at nominal 100m centres. The investigation found a maximum depth of peat of 5.5m.

A quantitative translational landslide stability analysis was also undertaken for the area using information gained from the site walkover, in particular slope angles and peat shear strengths. The results showed that the in-situ safety ratios throughout the site are predominantly above the minimum safety factor required for long-term stability (see Figures 6 to 9). However, when a surcharge is added to the peat, the factor of safety at several locations falls below the minimum ratio of 1.0 (see Figures 10 to 13). The developer has committed to additional safety mitigation measures as outlined below which will be undertaken at these locations to ensure stability during construction.

Loading of the peat during or after construction will be avoided at all times but particularly at the following locations where a Safety Ratio of below 1.0 was calculated with a traffic loading of 20kPa (see Figures 10 to 13):

- To the north and west of turbine T3 (Figure 10).
- Between turbines T2 and T5 (Figure 10).
- At the northern corner of the T6 hardstanding (Figure 11).
- Access tracks south and southwest of T1 (Figures 11 and 12).

Additional mitigation measures to reduce the risk of peat instability will comprise the following:

- Avoidance of stockpiling on the peat, particularly in areas of deep peat or areas with a low safety ratio.
- Additional drainage in areas of construction where a low safety ratio has been calculated.
- Avoidance of drains discharging onto areas of weak or deep peat or areas of low safety ratios.
- Avoidance of blasting, particularly within 1km of areas of low safety ratios.

It should be noted that vehicular access to any areas of deep peat (>1m) during construction will be restricted to low ground pressure vehicles, with all construction vehicles travelling on existing access tracks whenever possible.

The risk of a peat slide occurring at the proposed locations of turbine T2, turbine T5 and the substation are considered to be low, while the risk of a peat slide occurring at the remaining four turbine locations is considered to be negligible due to a recorded peat depth of less than 0.5m. The risk of a slide occurring along the proposed grid route is also considered to be negligible due to a combination of low slopes and generally thin or absent peat in addition to the grid route being located within existing roads and pavements. The risks associated with construction of access roads is considered to be low, with implementation of the above mitigation measures. The developer has committed to properly implement and monitor these mitigation measures.

6. Bibliography

- RECEIVED: 26/01/2023
1. Peat Landslide Hazard and Risk Assessments: Best Practice Guide for Proposed Electricity Developments. Scottish Government. 2nd Edition, April 2017.
 2. Taluntais, Foras. The General Soil Map of Ireland, second edition. s.l. : National Soil Survey of Ireland, 1980.
 3. Department of Environment, Heritage and Local Government. Wind Farm Planning Guidelines. s.l. : DoEHLG, 2006.
 4. Irish Wind Energy Association. Best Practice Guidelines for the Irish Wind Energy Industry. s.l. : IWEA Wind Skillnet, 2012.
 5. IGI. Geology in Environmental Impact Statements. s.l. : Institute of Geologists of Ireland, 2013.
 6. Department of the Environment - Welsh Office. Development on Unstable Land. s.l. : Welsh Government, 1990.
 7. GSI Landslides Working Group. Landslides in Ireland. s.l. : Dept of Communications, Marine & Natural Resources, 2006.
 8. MacCulloch, Frank. Guidelines for the Risk Management of Peat Slips on the Construction of Low Volume/Low Cost Roads Over Peat. s.l. : Forestry Commission, Scotland, 2006.
 9. Jeff Warburton, Andrew Holden, Joseph Mills. Hydrological controls of surficial mass movements in peat. Earth Science Reviews. 2004, 67, pp. 139-156.
 10. Jennings, Dr Paul. Slope Instability in Ireland with particular reference to peat failures. Conference presentation. s.l. : AGEC, 2009.
 11. Boylan, N, Long, M and Jennings, P. Peat slope failure in Ireland. Quarterly Journal of Engineering Geology and Hydrogeology. 2008, Vol. 41, pp. 93-108.
 12. NSAI Standards. Eurocode 7: Geotechnical design - Part 1: General Rules (incl Irish National Annex 2007). s.l. : NSAI, 2005. IS EN 1997-1:2005 + AC:2009.
 13. GSI. Online Landslide Viewer. [Online] Geological Survey of Ireland , 2021. [Cited: 30.11.21.] <https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=b68cf1e4a9044a5981f950e9b9c5625c>
 14. Von Post, L. Sveriges Geologiska Undersökning torvinventering ich nogra as dess hittils vunna resltat. (SGU Peat inventory and some preliminary results). Svenska Mosskulturförings Tidskrift. 36, 1992, pp. 1-36.
 15. Mesri, G, Ajlouni , M. Engineering Properties of Fibrous Peats. Journal of geotechnical and geoenvironmental engineering. 2007, Vol. 133, 7.
 16. Pracht, M., Lees, A., Leake, B., Feely, M., Long, B., Morris, J. and McConnell, B. 2004. Geology of Galway Bay: a geological description to accompany the bedrock geology 1: 100,000 map series, Sheet 14, Galway Bay. Geological Survey of Ireland.
 17. Evaluation of Peat Strengths for Stability Assessments. Boylan, N & Long, M. s.l. : ICE, 2013, Proceedings of the ICE, Geotechnical Engineering. Vol. 166 p1-10.

RECEIVED: 26/01/2023

Appendix 1: Site Walkover Test Results

**Tullaghmore Windfarm. Site Walkover 1 Results 31st August to 3rd September
2020**

Point ID	Latitude	Longitude	Elevation	Probe Depth
1	53.45376098	-9.45720504	82.577873	0.8
2	53.45476798	-9.459832013	87.672867	4.1
3	53.45456203	-9.459765963	87.624695	3.5
4	53.45426297	-9.459777027	85.235786	2.7
5	53.45473101	-9.460193021	87.198959	4.1
6	53.45479103	-9.459483996	87.886169	3.2
7	53.45494702	-9.459940977	88.906212	3.6
8	53.455146	-9.460239038	91.43573	0.5
9	53.45585796	-9.461002965	98.901367	5.2
10	53.45651904	-9.461726993	99.310356	2.8
11	53.457389	-9.462659983	114.118149	1
12	53.45811697	-9.463479985	113.141838	3.6
13	53.45889498	-9.464290012	112.426315	4.1
14	53.45875299	-9.463986	114.336723	2.4
15	53.45867503	-9.464391014	111.196899	4.7
16	53.45906898	-9.464099994	113.615128	1.7
17	53.45902699	-9.464459997	112.757393	2.4
18	53.45922799	-9.464781024	113.596954	2.4
19	53.45982503	-9.465590967	112.822433	0.6
20	53.460308	-9.466066975	108.642319	0.1
21	53.46066398	-9.466513982	106.971741	0.3
22	53.46123101	-9.467410007	104.728493	1.6
23	53.46189603	-9.468428995	104.145363	1.8
24	53.46265996	-9.469189988	113.26017	0.3
25	53.46215302	-9.46872496	102.947632	0.9
26	53.46249903	-9.469058979	107.028969	0.9
27	53.46282701	-9.46904297	113.522011	0.3
28	53.46254898	-9.469482014	105.429405	0.3
29	53.46277697	-9.469438009	110.16423	0.4
30	53.46313496	-9.469889961	110.098145	0.7
31	53.46394197	-9.470610972	106.986366	0.8
32	53.464608	-9.471724005	104.273781	1
33	53.46523597	-9.472786998	106.292297	0.4
34	53.46586503	-9.473869018	109.951416	0.3
35	53.46664304	-9.474889012	116.550957	0.5
36	53.467269	-9.475362003	122.39225	0.5
37	53.46744401	-9.475395028	122.632431	0.6
38	53.46733798	-9.475653023	116.703224	0.3
39	53.46758399	-9.475540034	123.410065	0.3
40	53.46757703	-9.475156981	128.881424	0.3
41	53.46895603	-9.475606	148.939575	0.3
42	53.46753404	-9.472581977	170.923279	0.2
43	53.46821297	-9.470855976	207.114517	0.4

RECEIVED: 26/01/2023

44	53.46990301	-9.468942974	248.807388	0.7
45	53.47062998	-9.467200963	273.944275	0.3
46	53.47094002	-9.465973014	253.587921	2.7
47	53.471023	-9.46550698	254.527008	2.9
48	53.47109701	-9.465218978	250.932999	0.3
49	53.47120497	-9.465181008	249.778152	0.4
50	53.47107899	-9.46492997	254.241745	0.2
51	53.47088101	-9.46522099	255.453064	2.4
52	53.47068697	-9.464658983	247.593628	1.1
53	53.47002698	-9.463418964	236.866333	1.2
54	53.46949196	-9.462296041	225.008453	3.2
55	53.46915904	-9.462184981	223.721756	0.3
56	53.46863098	-9.461211003	208.633926	1
57	53.46804902	-9.460073998	195.772125	0.8
58	53.46804701	-9.460072992	198.071991	1
59	53.46757402	-9.459029026	180.251205	1
60	53.467743	-9.459200017	183.003448	1
61	53.46770704	-9.458836997	178.878479	1
62	53.46744502	-9.458830962	176.390839	0.5
63	53.46742096	-9.459266989	178.999329	0.5
64	53.46710597	-9.458640022	171.824982	0.3
65	53.46636099	-9.458140042	155.879517	1.2
66	53.46544703	-9.457719019	141.490173	1.8
67	53.46449601	-9.457565965	134.553528	2.4
68	53.46366202	-9.456854006	124.604164	1.4
69	53.46303999	-9.455756983	121.187187	1.1
70	53.46320604	-9.455589009	122.138222	1.8
71	53.46318098	-9.45592504	121.123482	1.5
72	53.462911	-9.45597399	120.419174	0.9
73	53.46293899	-9.455534024	119.837234	0.9
74	53.462451	-9.454696001	114.35511	0.7
75	53.46207297	-9.453527983	109.363533	0.8
76	53.46127996	-9.453482972	107.419228	1
77	53.46013097	-9.453288009	101.416649	1.6
78	53.45441502	-9.455752959	82.926025	0.7
79	53.45507199	-9.454071969	86.901314	0.5
80	53.45548698	-9.452700019	95.047791	0.3
81	53.45507098	-9.451923016	93.682991	1.5
82	53.45448903	-9.451173004	99.874886	1.7
83	53.45466496	-9.450145969	100.684235	0.7
84	53.45473797	-9.450072041	100.784195	0.6
85	53.45483302	-9.450034993	100.635376	0.3
86	53.45482497	-9.449818991	101.36953	0.7
87	53.4547	-9.449852016	100.487839	1.3
88	53.45461501	-9.450063994	99.369728	0.5
89	53.46192403	-9.45137199	117.066887	0.3
90	53.46154701	-9.450701019	126.079727	0.3

RECEIVED: 26/01/2023

91	53.461718	-9.451698968	117.171753	0.2
92	53.46079901	-9.44700703	154.545319	0.3
93	53.46092298	-9.446838973	155.439102	0.3
94	53.46059298	-9.447087999	153.218094	0.2
95	53.46073397	-9.447288997	147.16748	0.3
96	53.460827	-9.446850959	154.091217	0.2
97	53.46148901	-9.447031002	154.850098	0.3
98	53.46218999	-9.446465978	164.425323	1
99	53.46466399	-9.447251027	173.087051	0.4
100	53.46632201	-9.444727991	192.43338	0.4
101	53.46638496	-9.444515007	197.887726	0.7
102	53.46623501	-9.445028985	189.321991	0.5
103	53.46641899	-9.444814995	192.509308	0.3
104	53.46624901	-9.444685997	193.738968	0.2
105	53.46618799	-9.445662992	187.43869	0.5
106	53.46714302	-9.449954024	171.533783	0.3
107	53.47323499	-9.448462967	152.854279	0.6
108	53.47323398	-9.449054981	153.994308	0.7
109	53.47331101	-9.44937299	155.302292	0.4
110	53.47339097	-9.449608019	156.729843	0.3
111	53.47347002	-9.449274	158.216721	0.3
112	53.471295	-9.442487005	205.145599	0.2
113	53.47242102	-9.440376023	202.524368	0.2
114	53.47223997	-9.44036697	204.806992	0.2
115	53.47227199	-9.440071005	205.328186	0.9
116	53.47220602	-9.440626977	205.111237	0.3
117	53.47207996	-9.440207966	210.90976	0.3
118	53.47192104	-9.440264963	213.851379	0.4
119	53.46950898	-9.43845598	233.008179	0.2
120	53.46740596	-9.43577704	281.347351	0.3
121	53.46760302	-9.435144039	280.138641	2.9
122	53.46753898	-9.43481002	276.208893	2.5
123	53.46744703	-9.434559988	278.404266	2.1
124	53.46742096	-9.434855031	279.292358	2.2
125	53.46769597	-9.43473299	276.483917	0.7
126	53.46618497	-9.436815977	279.441132	3.4
127	53.46347904	-9.435892962	271.595703	2.6
128	53.46217398	-9.435897991	268.274078	0.5
129	53.46065903	-9.436122961	272.552917	0.2
130	53.46077504	-9.435877036	274.494446	1.3
131	53.46064503	-9.435748961	277.729919	1.2
132	53.46087503	-9.436157998	272.052063	0.5
133	53.46088199	-9.435621975	278.837006	0.3
134	53.46095399	-9.435273036	280.802185	1.9
135	53.46126697	-9.435825991	277.950806	1.1
136	53.45880504	-9.445126969	175.164825	0.2
137	53.46214296	-9.445202993	174.650482	0.3

RECEIVED: 26/01/2023

138	53.46217297	-9.446419962	166.292877	0.6
139	53.455893	-9.452238008	99.805328	0.3
140	53.45441602	-9.455742985	84.534943	0.9
141	53.45361597	-9.457187019	81.741257	0.5
142	53.45276898	-9.457521038	76.288376	1.2
143	53.45208501	-9.458502978	73.085373	1.5
144	53.45130198	-9.458452016	71.419807	0.3
145	53.45078004	-9.459603019	70.366905	0.7
146	53.45043898	-9.460891988	67.619125	0..6
147	53.45000203	-9.462168971	67.839516	0.8
148	53.44957204	-9.463533964	61.930588	0.3
149	53.44920097	-9.464892	62.148785	0.3
150	53.44883099	-9.466223968	59.171219	0.2
151	53.44833403	-9.467327027	56.913158	0.1
152	53.45490402	-9.446111005	129.349045	0.1
153	53.45430002	-9.444387015	133.913116	0.3
154	53.45378302	-9.441467011	142.387329	0.3
155	53.45387296	-9.44118496	147.256882	0.3
156	53.45369602	-9.440841973	146.540375	0.2
157	53.45343199	-9.440662013	144.714249	1.8
158	53.446445	-9.44665499	102.27813	0.7
159	53.44653603	-9.447062016	101.583359	2.2
160	53.44700701	-9.446290964	104.901306	2.7
161	53.44902	-9.45891696	83.79406	1.5
162	53.44908999	-9.459181996	82.556564	2.9
163	53.44912302	-9.459303031	78.332939	0.8
164	53.44886301	-9.459135979	77.807182	1.5
165	53.44942703	-9.459219966	78.009567	1
166	53.45494299	-9.454457033	94.018059	0.2
167	53.45538304	-9.453180972	100.444138	1.1
168	53.45601101	-9.452097025	106.191811	0.7
169	53.45680403	-9.451179039	110.685715	0.3
170	53.45795503	-9.451012993	114.337349	0.2
171	53.45883102	-9.451248022	112.437088	0.2
172	53.45970903	-9.452079004	112.884018	0.2
173	53.46065199	-9.451780021	117.017792	0.2
174	53.46168196	-9.451758983	122.459564	0.2
175	53.46274302	-9.452068023	125.520966	0.2
176	53.463703	-9.452568004	130.183899	0.6
177	53.46426501	-9.453120036	131.177399	0.7
178	53.464163	-9.453812968	131.898804	0.3
179	53.46425797	-9.45469399	130.015137	1.6
180	53.46421304	-9.456066024	130.951752	1.8
181	53.46412503	-9.457876012	129.266937	0.8
182	53.46395002	-9.459477039	133.795013	0.8
183	53.46397801	-9.460742036	132.791138	0.6
184	53.463832	-9.463075977	142.303452	1.3

RECEIVED: 26/01/2023

185	53.46388799	-9.464533003	145.499619	0.3
186	53.44800504	-9.46746801	54.159115	0.5
187	53.44746499	-9.468364036	51.273289	0.3
188	53.44692201	-9.470133036	48.461281	1
189	53.44671699	-9.470717004	50.384346	0.3
190	53.45541196	-9.541005967	44.877026	0.1
191	53.45461803	-9.54214599	46.396835	0.1
192	53.45394596	-9.542407002	46.89069	1.8
193	53.45272204	-9.543028018	44.50156	1.5
194	53.45181302	-9.543718016	44.2085	1.1
195	53.45017201	-9.543835027	44.707596	2.9
196	53.44887299	-9.543741988	43.443512	2.2
197	53.44740397	-9.543712987	46.431938	0.3
198	53.44612598	-9.544248004	40.020012	0.2
199	53.444619	-9.54482602	38.140587	1.2
200	53.44380897	-9.545460027	38.13306	0.1
201	53.44291697	-9.545606039	39.795071	3.8
202	53.44169204	-9.54461203	36.799824	0.5
203	53.44092401	-9.544337019	36.043213	3.6
204	53.44044004	-9.544119006	34.239067	0.3
205	53.43926699	-9.543875009	37.554325	0.5
206	53.43828396	-9.543799991	34.944813	0.8
207	53.43721803	-9.543315014	35.814468	1.7
208	53.43548398	-9.543538978	34.542713	1.8
209	53.43431102	-9.543770989	35.370724	1.5
210	53.43320997	-9.544070978	36.268158	1.1
211	53.43151297	-9.543942986	34.815357	1.7
212	53.43069004	-9.543677028	33.196659	0.3
213	53.42895498	-9.544314975	33.494728	0.3
214	53.42784698	-9.545694971	36.144257	1.1
215	53.42716302	-9.547157027	36.901398	0.5
216	53.426254	-9.548680019	33.455322	0.3
217	53.42502496	-9.549651984	31.997812	0.4
218	53.42369299	-9.550516997	31.114046	0.2
219	53.42248499	-9.550055992	32.585533	0.3
220	53.42173699	-9.548764005	32.888306	0.2
221	53.42099503	-9.54729801	32.082592	0.7
222	53.42028801	-9.545585001	31.86355	0.3
223	53.41923801	-9.545328012	27.385502	0.3
224	53.41840301	-9.544585962	25.115406	0.5
225	53.41762098	-9.544135015	23.609667	0.4
226	53.41676703	-9.543421967	21.483723	0.6
227	53.41560597	-9.542630967	24.657139	0.4
228	53.41462998	-9.540630039	20.679695	1.3
229	53.41308502	-9.539025994	20.013466	0.3
230	53.41131301	-9.53909196	22.644917	0.7
231	53.410477	-9.540237011	22.669479	0.3

RECEIVED: 26/01/2023

232	53.40894797	-9.54078896	22.070173	0.2
233	53.40808497	-9.542103997	22.679953	0.4
234	53.40691301	-9.54244799	12.903727	0.4
235	53.40582403	-9.542140961	9.155997	0.3
236	53.40440799	-9.542120006	7.931431	0.3
237	53.40255601	-9.543509977	3.237064	2.1
238	53.40083999	-9.544422012	3.124165	1.9
239	53.39958102	-9.544731975	6.029983	1.2
240	53.39864099	-9.545084015	7.600652	2.1
241	53.397117	-9.546171986	8.240019	1.8
242	53.39548303	-9.547491968	9.033074	1.5
243	53.39391301	-9.546975978	7.011837	0.5
244	53.39284801	-9.545998983	10.206551	1
245	53.391754	-9.54536397	11.126297	1.2
246	53.39082596	-9.545567986	10.190065	0.7
247	53.38981703	-9.547233973	14.052756	0.4
248	53.38842404	-9.549330035	16.78602	0.3
249	53.38754	-9.55023	22.315189	0.3
250	53.38586597	-9.551634975	20.774914	0.3
251	53.38504496	-9.553255029	14.864775	0.2
252	53.38466702	-9.554333026	15.220066	0.2
253	53.38428598	-9.557367023	7.431934	0.3
254	53.38446602	-9.558601007	10.019199	0.5
255	53.38496097	-9.561053971	7.822348	0.5
256	53.38447499	-9.563617995	7.868964	2.5
257	53.38374401	-9.567195978	9.521697	2.8
258	53.38372196	-9.569205036	11.697447	1.3
259	53.38390896	-9.572799029	14.113009	0.8
260	53.38443803	-9.575699	2.979757	0.9
261	53.38432202	-9.578051968	6.437558	0.5
262	53.38255503	-9.580422034	8.795775	0.5
263	53.38140403	-9.582555983	7.688953	0.2
264	53.38071403	-9.584694039	7.278439	0.5
265	53.45583298	-9.539189022	45.557404	0.5
266	53.454872	-9.532704027	43.556396	2.6
267	53.45510501	-9.528913982	42.719723	2.4
268	53.45452096	-9.527236009	39.710911	1.7
269	53.45345596	-9.525485029	46.637932	1.5
270	53.45312697	-9.523528023	46.769634	1.2
271	53.45342897	-9.518671967	43.765453	0.9
272	53.45376299	-9.515419034	41.404118	0.3
273	53.45375997	-9.513037987	43.379921	0.5
274	53.45395301	-9.510497013	45.464767	0.8
275	53.45395703	-9.507926032	41.902966	2.1
276	53.45366299	-9.50659004	42.609348	3
277	53.45360801	-9.503066037	48.655746	2.5
278	53.45348898	-9.500354994	43.855637	2.2

RECEIVED: 26/01/2023

279	53.45328597	-9.497121004	45.727081	1
280	53.45292899	-9.494674997	49.619598	0.3
281	53.45214402	-9.492609026	47.979141	1.8
282	53.45174496	-9.491368001	47.021183	1.8
283	53.45118002	-9.489276968	46.675083	2.2
284	53.45085296	-9.485708959	48.702251	1.3
285	53.45090501	-9.484322006	50.697739	3
286	53.45080904	-9.481932996	56.581097	0.3
287	53.45072002	-9.480283018	60.492817	0.5
288	53.44994201	-9.477539035	58.225567	1.5
289	53.44848901	-9.474001033	50.007256	1.6
290	53.447811	-9.47244904	48.566151	0.5

RECEIVED: 26/01/2023