Field New Deer Ltd

New Deer 2 BESS

Peat Depth Survey Report

2761193

March 2025

WRC GENERAL NOTES

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1 INTRODUCTION

The Client, Field New Deer Ltd (t/a Field), recently commissioned WRc to undertake a peat depth survey for a Battery Energy Storage System (BESS) and associated infrastructure (the Proposed Development) on land at Wagglehill North and South, Cuminestown, Turiff, Aberdeenshire, AB53 8JJ.The aim of the survey was to investigate the peat depths within the BESS Site – herein referred to collectively as 'the Site'. The survey covered an area of approximately 33 hectares (ha) and included 288 peat depth probing locations. Peat probes were taken to full depth or refusal. In-situ assessments were carried out at each location for ground conditions and hydrology. A visual assessment of ground conditions, peatland condition and general environmental setting were recorded as part of the survey effort.

This document outlines the results from the peat depth survey undertaken in February 2025.

1.1 Assessment Method

1.1.1 Peat depth survey

A peat depth and condition survey was undertaken based on proposed infrastructure design. A grid of peat depths was surveyed at approximately 50 m intervals across the Site to develop a picture of the overall pattern of peat depth and extent. Survey effort was increased to approximately 25 m intervals in areas of where infrastructure was proposed at the time of survey, including the BESS, construction compounds and tracks.

Equipment used to complete the survey included peat probes and a tablet for data recording and photography.

One peat depth was recorded at each of the predetermined locations to full depth below ground level using peat probes. At each location, the following information was recorded:

- Maximum peat depth;
- Surface hydrological conditions (well drained, slightly boggy, boggy);
- Indication of soil/rock materials at the base of the peat probe, e.g. glacial till, weathered rock;
- Peatland condition, drainage and erosion patterns; and
- Photographs of site conditions, topography and vegetation.

All raw data was collated in Excel spreadsheet format and is provided in **Annex 1**: Raw Peat Depth Data.

1.1.2 Health and safety

WRc has stringent health and safety procedures in place to mitigate against harm to survey personnel and the environment. A site-specific risk assessment and method statement (RAMS) was provided to the Client prior to the survey being undertaken. Agreements were made between the two parties that PPE would be worn to meet the requirements of the Client's HSE policy. This included the use of:

- Safety boots with steel toe cap and protective mid-sole;

- Hi-vis minimum class 2 standard; and
- Safety gloves suitable for the work being undertaken.

1.1.3 Analysis and reporting

Peat survey data was used to generate interpolated peat depth mapping for the site. A desk study was undertaken to understand the development setting and the wider environmental conditions. This included a review of published mapping including:

- BGS geological mapping;
- Scotland's Soils soil and peat mapping;
- NatureScot Carbon and peatland mapping;
- SEPA's water classification and water environment hubs; and
- SEPA's online flood risk mapping.

1.1.4 Approach to assessment

The report uses terminology to refer to the development including:

- The 'Site' referring to the land within the red line boundary; and
- The 'Study Area' referring to the Site plus any additional area covered by desk or field-based assessments.

In this situation, as the main focus of the assessment is on peat and soils, a buffer of 1 km from the Site boundary has been included in the Study Area.

1.1.5 Definition of peat

Scotland's Soils (2025) classifies peat as:

> *An accumulation of partially decomposed organic material, usually formed in waterlogged conditions. Peat soils have an organic layer more than 50 cm deep from the soil surface which has an organic matter content of more than 60%.*

Organic soils which are 50 cm or thinner can also support peatland vegetation and as a result are also considered within Scotland's broader peatland system in Scotland's National Peatland Plan (NatureScot, 2015). These are often described as 'peaty gleys' or 'peaty podzols', reflecting key aspects of the underlying soil. Peaty soils have a higher plant fibre content and are less decomposed than peat.

Active peatland typically consists of two layers: the surface layer (acrotelm) and the deeper layer (catotelm). The acrotelm contains the living vegetation and consists of living and partially decayed plant material. It typically has a low but variable hydraulic conductivity and allows some through-flow of water within the plant material. The underlying catotelm is denser, with a very low hydraulic conductivity, and is formed from older decayed plant material. The catotelm varies in structure, in some areas retaining a proportion of fibrous material and in other areas being more humified and amorphous. The degree of humification typically increases with depth.

Underneath the peat-forming layers, the basal substrate can be a mineral soil, a superficial deposit such as glacial material, or bedrock. There may be a transition zone through a mineral-rich peaty layer at the base of the peat, although this is usually no more than 5 cm in thickness.

For context, the following thresholds for peat depths have been used:

- Depths less than 0.5 m are not considered to be peat but may constitute peaty soils;
- Depths between 0.5 m and 1.5 m are referred to as peat;
- Depths from 1.5 m to 2.5 m are considered deep peat; and
- Depths probed deeper than 2.5 m are very deep peat.

1.1.6 Importance of peat

Peatland forms a key part of the Scottish landscape, covering more than 20% of the country's land area, and forming a significant carbon store (Scotland's Soils, 2019). In addition, peatland is an internationally important habitat.

Active and healthy peatlands develop continuously, removing carbon dioxide from the atmosphere and storing it within the peat soil. Peatland protection and restoration form key parts of the Scottish Government's Climate Change Plan, which targets restoration of 250,000 ha of degraded peat by 2030 (Scottish Government, 2018). As of March 2020, over 25,000 ha of peatland had begun restoration, and in 2020 the government announced a £250 million ten-year funding package to support the restoration of degraded peat with an annual target of 20,000 ha (Scottish Government, 2020). Figures show that from 2020-22, over 10,000 ha of peatland were restored (Scottish Government, 2023). To deliver on targets, restoration will need to be conducted at a much faster pace.

It is therefore important that developments in peatland areas recognise the importance of peatland as a habitat and carbon store. Careful planning of developments and infrastructure design can remove or minimise the disturbance of peat that would be needed to allow development to proceed.

2 SITE OVERVIEW

2.1 Location & Survey Conditions

The Site is located approximately 8 km west of the small settlement of New Deer, and approximately 1.5 km south east of Cuminestown, in Aberdeenshire. The Site location is shown in **Figure 2.1**.

Land within the Site is currently used for forestry. Currently, the Site is covered by a combination of young and semi-mature conifers, with evidence of previous clearfell of more mature trees. Land in the wider area is mostly used for agricultural purposes with occasional plots of commercial forestry.

The weather at the time of the survey was very windy, overcast with occasional light showers.

2.2 Baseline Conditions

Important features of relevance to geology, hydrogeology, hydrology and soils within the survey and surrounding areas are considered in the following sections.

2.2.1 Topography

The topography of the survey area is relatively uniform with gently sloping ground. The Site slopes gently down to the north and west from the higher ground in the southern section at approximately 170 m above Ordnance Datum (AOD). The wider area is characterised by gently undulating agricultural land, with slightly steeper slopes to the north-west around the valley of the Teuchar Stank.

2.2.2 Geology

Geological information is derived from the BGS GeoIndex online geological mapping at a 1:50,000 scale (BGS, 2025a) and the BGS Lexicon of Named Rock Units (BGS, 2025b).

Bedrock Geology

The bedrock at the Site consists of a series of metasedimentary strata from the Macduff Formation, part of the Dalradian Supergroup of Pre-Cambrian age. These are present as slates, phyllites and mica schists with significant local variation.

No faults or dykes are present within the Site or in the wider Study Area.

Superficial Deposits

Superficial deposits in the eastern half of the Site are mapped as peat, described as a partially decomposed mass of semi-carbonised vegetation which has grown under waterlogged, anaerobic conditions, usually in bogs or swamps.

The western half is without mapped superficial deposits.

The wider area is predominantly underlain by superficial deposits of diamicton till, described as unsorted and stratified drift, consisting of a mixture of clay, sand, gravel and boulders varying widely in size and shape. Small pockets of peat are mapped in the wider Study Area.

Mining and Mineral Excavation

No records of historic mining are recorded in the area. Several quarries are mapped within the Study Area which are now either ceased or inactive.

2.2.3 Soils and vegetation

The National Soil Map of Scotland (updated October 2024) identifies the main soil types within the Site as peaty podzols with some humus-iron podzols and gleys of the Durnhill Association.

NatureScot's Carbon and Peatland (updated July 2023) mapping indicates that most of the Site is underlain by Class 4 peatland, described as mineral soil with some peat soil. A section in the central eastern area of the Site is underlain by Class 5 peatland, described as peat soil with no peatland vegetation. This was evident during the peat survey with all probe records returning depths below 0.5 m. A peat depth and interpolated peat contour map is provided in **Figure 2.2**.

NatureScot's Habitat Mapping of Scotland indicates land cover at the Site to be coniferous woodland and bare fields. Land in the Study Area includes large areas of mesic grassland (relatively fertile, species-rich grasslands, including improved pasture) and arable land, with smaller areas of mixed deciduous and coniferous woodland and scrub.

2.2.4 Hydrogeology

The bedrock underlying the survey area is a low productivity aquifer of the Southern Highland Group with small amounts of groundwater in the near surface weathered zone and flow through fractures and discontinuities.

The Site is underlain by two groundwater bodies. The Ellon groundwater body (ID: 150676) in the east and the New Byth groundwater body (ID: 150454) in the west. The Elon groundwater body is considered to be in poor overall condition with pressure arising from diffuse sources impacting water quality. New Byth groundwater body is considered to be in good overall condition with no identifiable pressures.

Groundwater vulnerability within the Site is mapped as Class 4b and 5. Class 4b vulnerability is considered to be 'vulnerable to those pollutants not readily adsorbed or transformed' and is more likely to have clay present in superficial deposits (therefore generally lower vulnerability than 4a). Class 5 vulnerability is considered to be 'vulnerable to most pollutants, with rapid impact in many scenarios'. This indicates that the groundwater present within the project area has a high level of vulnerability to individual events where potentially contaminating substances are involved.

2.2.5 Hydrology

There are no watercourses mapped within the Site. Watercourses in the wider search area include the Teuchar Stank to the west of the Site, a tributary to the Burn of Monquhitter and the Idoch Water, and the Burn of Greens to the north and east of the Site, a tributary to the Little Water. There are several drains mapped within the Site and Study Area which appear to have been installed in an attempt to improve drainage for forestry plantations and agricultural land.

SEPA's Water Environment Hub (2020) identifies key details in relation to the waterbodies; these are provided in **Table 2.1**.

Table 2.1: Summary of surface waterbody status

Waterbody name & ID	Status	Identified pressures
23237: Little Water/ Black Burn	Overall: Moderate Access for fish migration: High Water flows and levels: Good Physical condition: Good Freedom from invasive species: High Water quality: Moderate	Physical condition – modification to bed, banks and shores from farming. Water quality – diffuse pollution from rural sources.
23161: Idoch Water	Overall: Moderate Access for fish migration: High Water flows and levels: Good Physical condition: Good Freedom from invasive species: High Water quality: Moderate	Physical condition – modification to bed, banks and shores from farming. Water quality – diffuse pollution from rural sources.

Private Water Supplies

The rural nature of the development means that there is a chance that properties in the area rely on private water supplies (PWS). Identification and assessment of PWS is outwith the scope of this report; however, this should be carried out prior to any works commencing.

Flood Risk

SEPA's Flood Map (2025) indicates that there is no fluvial flood risk within the Site. High likelihood of flood risk (10% chance per year) is largely restricted to watercourse channels, notably in the channels of Little Water and the Burn of Monquhitter.

There is a limited level of pluvial flooding within the Site. Small pockets within the Site have a high likelihood (10% chance) of flooding each year. Pools of surface water were noted during the Site visit.

2.2.6 Designated sites

NatureScots SiteLink Map (2025) indicates that there are no designated sites within the Site or within the wider Study Area.

Figure 2.1: BESS Site Location

Figure 2.2: Peat Depths

3 MAIN FINDINGS

3.1 Ground Conditions

The Site is planted with young and semi-mature conifers, generally ranging from 1 to 3 m in height. The ground lacks vegetation in many places, having instead a combination of exposed soils over a layer of diamicton till or mineral soil. Where conditions were favourable, a ground flora of grasses, heather and mosses has developed. Large stumps and brash of harvested trees from a previous plantation remain in parts of the Site. Vegetation has accumulated around the periphery of the Site where forestry operations have been less intensive. **Figure 3.1** provides a good overall representation of vegetation and ground conditions at the Site.

Figure 3.1: Representative ground conditions at the Site

3.2 Hydrology and Geology

The surface hydrology on Site was predominantly well-drained, with a small number of locations described as boggy. The well-drained nature of the Site corresponds with the shallow peat depths recorded. The root systems of conifers would act to further dry out the ground. The Site was generally dry with small pools of surface water noted in places. These were mostly in drainage ditches and ruts created by forestry operations.

The underlying soil/rock material at the base of each probe location was noted in the field. Hard bedrock was recorded for most of the probe locations.

3.3 Peat and Soil Characteristics

Soils at the Site are almost entirely modified due to afforestation and artificial drainage. Peat condition was noted to be modified at all probe locations. A total of 288 probes were taken during the peat depth survey. Maximum and minimum probe depths recorded within the Site were 0.41 m and 0.01 m respectively. The mean probe depth recorded was 0.18 m. The median depth was also 0.18 m. Peat depths at this level are considered to constitute peaty soils.

The Scottish definition of peat (**Section 1.1.5**) states that peat has an organic layer of 50 cm deep and above. The Site-wide absence of soils meeting this definition indicates that a Peat Management Plan is not necessary for the Proposed Development as there is no peat present within the Site. Although there was evidence of peaty soils, these have undergone significant disturbance and are in very poor ecological condition.

The Scottish Government, NatureScot and SEPA afford peat a high value due to its capacity to sequester and store carbon and its importance to biodiversity. However, the situation at the Site is such that the peaty soils in their current condition are unlikely to offer carbon storage or have significant ecological value.

4 CONCLUSIONS

The Site is located within an area of current and former conifer plantation and has undergone considerable disturbance arising from the associated excavation and drainage to support tree growth. As a result, the soils present have been highly disturbed, are in poor condition throughout the area and offer little ecological value in their current state.

Probe results returned entirely shallow soil depths which constitute peaty soil and mineral soil. All infrastructure at the Site is proposed to be constructed on mineral soils or peaty soils which are less than 0.5 m in depth.

The combination of these factors indicates that a Peat Management Plan is not required for the development as there is no peat present.

5 REFERENCES

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6 ANNEX 1: RAW PEAT DEPTH DATA

Project Name:	New Deer 2 BESS
Project No:	2761193
Surveyors:	RL/DM

ID	Peat Depth (m)	Hydrology	Geology	Condition	xcoord	ycoord
1	0.13	well drained	hard	modified	380833	848380
2	0.13	well drained	hard	modified	380822	848357
3	0.09	well drained	hard	modified	380811	848335
4	0.16	well drained	hard	modified	380800	848312
5	0.02	well drained	hard	modified	380789	848290
6	0.03	well drained	hard	modified	380778	848267
7	0.18	well drained	hard	modified	380767	848245
8	0.21	well drained	hard	modified	380757	848222
9	0.03	boggy	gritty	modified	380746	848200
10	0.18	well drained	hard	modified	380735	848177
11	0.18	well drained	hard	modified	380724	848155
12	0.1	well drained	hard	modified	380713	848133
13	0.3	well drained	hard	modified	380702	848110
14	0.13	well drained	hard	modified	380856	848369
15	0.12	well drained	hard	modified	380845	848346
16	0.21	well drained	hard	modified	380834	848324
17	0.12	well drained	hard	modified	380823	848301
18	0.01	well drained	hard	modified	380812	848279
19	0.27	well drained	hard	modified	380801	848256
20	0.1	well drained	hard	modified	380790	848234
21	0.04	well drained	hard	modified	380779	848211
22	0.17	well drained	hard	modified	380768	848189
23	0.06	well drained	hard	modified	380757	848166
24	0.24	well drained	hard	modified	380746	848144
25	0.21	well drained	stiff	modified	380735	848122
26	0.32	well drained	hard	modified	380724	848099
27	0.23	well drained	hard	modified	380878	848358
28	0.02	well drained	gritty	modified	380867	848335
29	0.16	well drained	hard	modified	380856	848313
30	0.03	well drained	hard	modified	380845	848290
31	0.03	well drained	gritty	modified	380834	848268
32	0.08	well drained	hard	modified	380823	848245
33	0.28	well drained	hard	modified	380812	848223
34	0.21	well drained	hard	modified	380801	848200
35	0.26	well drained	hard	modified	380790	848178
36	0.18	well drained	hard	modified	380779	848156

ID	Peat Depth (m)	Hydrology	Geology	Condition	xcoord	ycoord
37	0.12	well drained	gritty	modified	380769	848133
38	0.28	well drained	hard	modified	380758	848111
39	0.14	boggy	hard	modified	380747	848088
40	0.16	well drained	hard	modified	380901	848347
41	0.18	well drained	hard	modified	380890	848324
42	0.24	well drained	hard	modified	380879	848302
43	0.08	well drained	hard	modified	380868	848279
44	0.04	well drained	hard	modified	380857	848257
45	0.2	well drained	hard	modified	380846	848234
46	0.13	well drained	hard	modified	380835	848212
47	0.25	well drained	hard	modified	380824	848189
48	0.1	well drained	hard	modified	380813	848167
49	0.18	well drained	hard	modified	380802	848145
50	0.06	well drained	hard	modified	380791	848122
51	0.27	well drained	hard	modified	380780	848100
52	0.27	well drained	hard	modified	380769	848077
53	0.16	well drained	hard	modified	380923	848336
54	0.17	well drained	hard	modified	380912	848313
55	0.27	well drained	hard	modified	380901	848291
56	0.22	well drained	hard	modified	380890	848268
57	0.02	well drained	hard	modified	380879	848246
58	0.12	well drained	hard	modified	380868	848223
59	0.07	boggy	hard	modified	380857	848201
60	0.09	well drained	hard	modified	380846	848178
61	0.23	well drained	hard	modified	380835	848156
62	0.17	well drained	hard	modified	380824	848134
63	0.21	well drained	hard	modified	380813	848111
64	0.19	well drained	hard	modified	380802	848089
65	0.27	well drained	hard	modified	380791	848066
66	0.17	well drained	hard	modified	380946	848325
67	0.06	well drained	hard	modified	380935	848302
68	0.02	veryboggy	hard	modified	380924	848280
69	0.12	boggy	hard	modified	380913	848257
70	0.09	well drained	hard	modified	380902	848235
71	0.26	well drained	hard	modified	380891	848212
72	0.11	well drained	hard	modified	380880	848190
73	0.21	well drained	hard	modified	380869	848168
74	0.23	well drained	hard	modified	380858	848145
75	0.22	well drained	hard	modified	380847	848123
76	0.06	well drained	hard	modified	380836	848100
77	0.13	well drained	hard	modified	380825	848078
78	0.18	well drained	hard	modified	380814	848055
79	0.34	well drained	stiff	modified	380968	848314
80	0.18	well drained	hard	modified	380957	848291

ID	Peat Depth (m)	Hydrology	Geology	Condition	xcoord	ycoord
81	0.23	well drained	hard	modified	380946	848269
82	0.28	well drained	gritty	modified	380935	848246
83	0.01	well drained	hard	modified	380924	848224
84	0.37	well drained	hard	modified	380913	848201
85	0.04	well drained	hard	modified	380902	848179
86	0.09	well drained	hard	modified	380891	848157
87	0.12	well drained	hard	modified	380880	848134
88	0.11	well drained	hard	modified	380869	848112
89	0.16	well drained	hard	modified	380858	848089
90	0.38	well drained	hard	modified	380847	848067
91	0.19	well drained	hard	modified	380836	848044
92	0.32	well drained	hard	modified	380813	847977
93	0.16	boggy	hard	modified	380802	847954
94	0.21	well drained	hard	modified	380791	847932
95	0.02	well drained	gritty	modified	380991	848303
96	0.3	well drained	hard	modified	380980	848280
97	0.24	well drained	hard	modified	380969	848258
98	0.06	well drained	gritty	modified	380958	848235
99	0.02	boggy	hard	modified	380947	848213
100	0.28	well drained	hard	modified	380936	848190
101	0.17	well drained	stiff	modified	380925	848168
102	0.16	well drained	hard	modified	380914	848146
103	0.03	well drained	hard	modified	380903	848123
104	0.32	well drained	hard	modified	380892	848101
105	0.18	well drained	hard	modified	380881	848078
106	0.16	well drained	hard	modified	380870	848056
107	0.38	boggy	hard	modified	380859	848033
108	0.29	well drained	hard	modified	380836	847966
109	0.1	well drained	hard	modified	380825	847943
110	0.21	well drained	hard	modified	380814	847921
111	0.03	well drained	gritty	modified	381013	848292
112	0.3	well drained	stiff	modified	381002	848269
113	0.28	well drained	hard	modified	380991	848247
114	0.23	well drained	hard	modified	380980	848224
115	0.02	well drained	hard	modified	380969	848202
116	0.38	well drained	hard	modified	380958	848180
117	0.03	well drained	hard	modified	380947	848157
118	0.08	well drained	hard	modified	380936	848135
119	0.21	well drained	hard	modified	380925	848112
120	0.22	well drained	hard	modified	380914	848090
121	0.22	boggy	hard	modified	380903	848067
122	0.17	boggy	hard	modified	380892	848045
123	0.35	well drained	hard	modified	380881	848022
124	0.38	well drained	stiff	modified	380858	847955

ID	Peat Depth (m)	Hydrology	Geology	Condition	xcoord	ycoord
125	0.18	well drained	hard	modified	380847	847932
126	0.38	well drained	hard	modified	380836	847910
127	0.28	well drained	stiff	modified	381036	848281
128	0.22	well drained	hard	modified	381025	848258
129	0.02	well drained	hard	modified	381014	848236
130	0.06	very boggy	hard	modified	381003	848213
131	0.16	well drained	hard	modified	380992	848191
132	0.16	well drained	hard	modified	380981	848169
133	0.21	well drained	hard	modified	380970	848146
134	0.01	well drained	hard	modified	380959	848124
135	0.01	well drained	hard	modified	380948	848101
136	0.01	well drained	hard	modified	380937	848079
137	0.21	boggy	hard	modified	380931	848052
138	0.22	well drained	hard	modified	380915	848034
139	0.32	well drained	hard	modified	380904	848011
140	0.19	well drained	hard	modified	380881	847944
141	0.15	well drained	hard	modified	380870	847921
142	0.34	well drained	hard	modified	380859	847899
143	0.23	well drained	hard	modified	381058	848270
144	0.3	well drained	hard	modified	381047	848247
145	0.13	well drained	hard	modified	381036	848225
146	0.28	well drained	hard	modified	381025	848202
147	0.13	boggy	hard	modified	381014	848180
148	0.26	well drained	hard	modified	381003	848158
149	0.33	well drained	hard	modified	380992	848135
150	0.06	well drained	hard	modified	380981	848113
151	0.08	well drained	hard	modified	380970	848090
152	0.06	well drained	hard	modified	380959	848068
153	0.11	well drained	hard	modified	380948	848045
154	0.21	well drained	hard	modified	380937	848023
155	0.4	well drained	stiff	modified	380926	848000
156	0.23	well drained	stiff	modified	380903	847933
157	0.1	well drained	hard	modified	380892	847910
158	0.11	well drained	hard	modified	380881	847888
159	0.25	well drained	hard	modified	381080	848259
160	0.23	well drained	hard	modified	381069	848236
161	0.02	well drained	hard	modified	381058	848214
162	0.28	well drained	hard	modified	381048	848191
163	0.07	well drained	hard	modified	381037	848169
164	0.29	well drained	hard	modified	381026	848147
165	0.02	well drained	hard	modified	381015	848124
166	0.03	well drained	hard	modified	381004	848102
167	0.39	well drained	hard	modified	380993	848079
168	0.21	well drained	hard	modified	380982	848057

ID	Peat Depth (m)	Hydrology	Geology	Condition	xcoord	ycoord
169	0.12	well drained	hard	modified	380971	848034
170	0.18	well drained	hard	modified	380960	848012
171	0.21	well drained	hard	modified	380949	847989
172	0.14	well drained	hard	modified	380926	847922
173	0.29	well drained	stiff	modified	380915	847899
174	0.19	well drained	hard	modified	380904	847877
175	0.04	well drained	hard	modified	381103	848248
176	0.12	well drained	hard	modified	381092	848225
177	0.18	well drained	hard	modified	381081	848203
178	0.12	well drained	hard	modified	381070	848181
179	0.35	well drained	gritty	modified	381059	848158
180	0.3	well drained	hard	modified	381048	848136
181	0.26	well drained	hard	modified	381037	848113
182	0.01	well drained	hard	modified	381026	848091
183	0.16	well drained	hard	modified	381015	848068
184	0.12	well drained	hard	modified	381004	848046
185	0.23	well drained	hard	modified	380993	848023
186	0.24	well drained	hard	modified	380982	848001
187	0.12	well drained	hard	modified	380971	847978
188	0.31	well drained	stiff	modified	380948	847911
189	0.13	well drained	hard	modified	380937	847889
190	0.37	well drained	stiff	modified	380926	847866
191	0.19	well drained	gritty	modified	380719	848485
192	0.13	well drained	gritty	modified	380698	848439
193	0.25	well drained	hard	modified	380677	848394
194	0.29	well drained	hard	modified	380657	848348
195	0.3	well drained	hard	modified	380636	848303
196	0.12	well drained	hard	modified	380615	848257
197	0.29	well drained	hard	modified	380595	848212
198	0.12	well drained	hard	modified	380574	848166
199	0.09	well drained	hard	modified	380553	848121
200	0.32	well drained	hard	modified	380533	848075
201	0.31	well drained	stiff	modified	380521	848030
202	0.16	well drained	hard	modified	380764	848464
203	0.16	well drained	hard	modified	380744	848419
204	0.16	well drained	hard	modified	380723	848373
205	0.11	well drained	hard	modified	380702	848328
206	0.27	well drained	hard	modified	380681	848282
207	0.09	well drained	hard	modified	380661	848237
208	0.21	well drained	hard	modified	380640	848191
209	0.22	well drained	hard	modified	380619	848146
210	0.2	well drained	hard	modified	380599	848100
211	0.22	well drained	hard	modified	380578	848055
212	0.11	well drained	hard	modified	380557	848009

ID	Peat Depth (m)	Hydrology	Geology	Condition	xcoord	ycoord
213	0.33	well drained	hard	modified	380546	847964
214	0.39	well drained	hard	modified	380810	848444
215	0.19	well drained	hard	modified	380789	848398
216	0.1	well drained	gritty	modified	380768	848353
217	0.32	well drained	hard	modified	380748	848307
218	0.12	well drained	hard	modified	380727	848262
219	0.21	well drained	hard	modified	380706	848216
220	0.28	well drained	hard	modified	380686	848171
221	0.19	well drained	hard	modified	380665	848125
222	0.33	well drained	hard	modified	380644	848079
223	0.1	well drained	hard	modified	380624	848034
224	0.29	well drained	hard	modified	380603	847988
225	0.13	well drained	hard	modified	380582	847943
226	0.18	well drained	hard	modified	380566	847897
227	0.15	well drained	hard	modified	380690	848059
228	0.13	well drained	hard	modified	380669	848013
229	0.22	well drained	hard	modified	380648	847968
230	0.3	well drained	hard	modified	380628	847922
231	0.17	well drained	hard	modified	380607	847877
232	0.08	well drained	hard	modified	380934	848446
233	0.19	well drained	gritty	modified	380901	848402
234	0.14	well drained	hard	modified	380735	848038
236	0.13	well drained	hard	modified	380694	847947
237	0.18	well drained	hard	modified	380673	847902
238	0.11	well drained	hard	modified	380652	847856
239	0.17	well drained	hard	modified	381095	848645
240	0.18	well drained	hard	modified	381072	848605
241	0.19	well drained	hard	modified	381029	848564
242	0.2	well drained	hard	modified	381008	848518
243	0.16	well drained	hard	modified	380988	848473
244	0.11	well drained	hard	modified	380967	848427
245	0.28	well drained	hard	modified	380946	848382
246	0.19	well drained	hard	modified	380781	848017
247	0.16	well drained	hard	modified	380760	847972
248	0.29	well drained	hard	modified	380739	847926
249	0.1	well drained	hard	modified	380719	847881
250	0.18	well drained	hard	modified	380688	847846
251	0.28	well drained	hard	modified	381091	848584
252	0.32	well drained	hard	modified	381075	848543
253	0.32	well drained	hard	modified	381043	848499
254	0.31	well drained	hard	modified	381033	848452
255	0.1	well drained	hard	modified	381013	848406
256	0.21	well drained	gritty	modified	380992	848361
257	0.37	boggy	stiff	modified	380816	847998

ID	Peat Depth (m)	Hydrology	Geology	Condition	xcoord	ycoord
258	0.16	well drained	hard	modified	380785	847906
259	0.27	well drained	hard	modified	380764	847860
260	0.31	well drained	stiff	modified	380747	847822
261	0.15	well drained	gritty	modified	381080	848483
262	0.1	well drained	hard	modified	381079	848431
263	0.1	well drained	hard	modified	381058	848386
264	0.35	well drained	gritty	modified	381037	848340
265	0.41	well drained	stiff	modified	380872	847976
267	0.2	well drained	hard	modified	380830	847885
268	0.28	well drained	stiff	modified	380810	847839
269	0.29	well drained	stiff	modified	380794	847808
270	0.11	well drained	hard	modified	381086	848368
271	0.1	well drained	hard	modified	381083	848319
272	0.2	well drained	hard	modified	380917	847955
273	0.24	well drained	hard	modified	380876	847864
274	0.11	well drained	hard	modified	380855	847819
275	0.1	well drained	hard	modified	380849	847787
276	0.11	well drained	hard	modified	381086	848148
277	0.2	well drained	hard	modified	381066	848102
278	0.18	well drained	hard	modified	381045	848057
279	0.21	well drained	hard	modified	381024	848011
280	0.19	well drained	hard	modified	381003	847966
281	0.23	well drained	stiff	modified	380963	847935
282	0.21	well drained	hard	modified	380921	847844
283	0.11	well drained	hard	modified	380901	847798
284	0.19	well drained	hard	modified	380722	848527
285	0.1	well drained	hard	modified	380573	848182
286	0.37	boggy	stiff	modified	380795	847955
287	0.22	well drained	hard	modified	380715	847993
288	0.21	boggy	hard	modified	380784	847934