

# Appendix 10.1

## Peat Survey Information

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## 1 Introduction

- 1.1.1 In support of **Chapter 10 (Volume 1)** of the Design Manual for Roads and Bridges (DMRB) Stage 3 Environmental Impact Assessment (EIA) report; this technical appendix describes the nature and findings of peat survey work undertaken for Project 9 – Crubenmore to Kincaig of the A9 Dualling Programme (hereafter referred to as the Proposed Scheme). It describes the importance of peatland, its functions, values and general characteristics, followed by the scope, method and findings of field surveys completed for the Proposed Scheme.
- 1.1.2 The information available and presented herein, supports the potential impacts assessed within **Chapter 10 (Volume 1)**, the preliminary peat landslide risk assessment analysis in **Appendix 10.5 (Volume 2)** and the Outline Peat Management Plan (OPMP) in **Appendix 10.6 (Volume 2)**. These and other relevant aspects of the DMRB Stage 3 EIA should therefore be referred to as necessary.

## 2 Background and Definitions

### 2.1 Definition of Peat

- 2.1.1 In Scotland, peat is defined as “*an organic soil which contains more than 60 per cent of organic matter and exceeds 50cm in thickness*” (Macaulay Institute, 1984). Scotland’s National Peatland Plan also encompasses organic soil less than 50cm, which can support typical peatland vegetation (SNH, 2015a). Organic deposits less than 50cm in thickness are therefore considered in this Appendix and related aspects of the DMRB Stage 3 EIA as ‘peaty soils’. The Joint Nature Conservation Committee (JNCC) (2011) and Scottish Government (2014) guidance on peat surveys also follow this peaty soil definition. ‘Deep peat’ is considered to be a peat soil with a surface organic layer greater than 1.00m thickness (Bruneau and Johnson, 2014).
- 2.1.2 The structure of an active peatland typically comprises a thin surface layer of living vegetation (the *acrotelm*) overlying a usually thicker layer of well decayed and humified peat, comprising the consolidated remains of former surface vegetation (the *catotelm*). Below the peat forming layers is the basal *substrate*, either a mineral soil, mineral superficial deposit or bedrock.
- 2.1.3 The acrotelm is the upper aerobic layer of peat and consists of living and partially decayed plant material. It typically has a higher hydraulic conductivity than underlying peat and is usually defined in relation to the water table. Acrotelm thickness varies with topography – such as hummocks, peat hags, hollows and with time, especially in dry periods or when it is drained.
- 2.1.4 The catotelm layer sits beneath the acrotelm and consists of well decayed and humified material, and is denser with a very low hydraulic conductivity. Conditions are anaerobic and anoxic because the catotelm is permanently below the water table.

### 2.2 Peatland Importance

- 2.2.1 Over 20% of Scotland’s land area is covered by peatlands, and Scotland hosts a significant proportion of the European and world resource. Foremost, peatlands are long-term carbon stores, important to tackling climate change; but they are also important to rural farming, tourism, in providing clean water and in lowering flood risks. Scotland’s National Peatland Plan published by Scottish Natural Heritage (SNH) also notes that they form beautiful landscapes, represent key habitats and are a defining characteristic of wild Scotland (SNH, 2015a).
- 2.2.2 Drying and physical damage to peat can release greenhouse gases, reduce water quality and diminish a range of other services. Peat is also geotechnically complex, and special consideration

must be given to the practicalities of engineering in peat and peat soils, with careful management of construction activities required to avoid such damage.

## 2.3 Peatland Habitats and Vegetation

2.3.1 The internationally recognised term for a peat forming system is a *mire*. However, important peat deposits can be present where peat is not actively forming and therefore, peatland is a more appropriate term to consider in this context. A definition of peatland, modified from the Ramsar Convention of 1971 is “*land with a peat deposit that may currently support a vegetation that is peat forming, may not, or may lack vegetation entirely*” (IUCN, 2014).

2.3.2 Peatland types can be defined in different ways; according to vegetation, soil or geology. However, Scotland’s National Peat Management Plan (SNH, 2015) and peat bog ecosystem guidance by IUCN (2014) provide useful, similar differentiations between broad types of natural peatland, which consider a range of factors. The four main natural types include:

- **Blanket bog:** found in few parts of the world with cool, wet and typically oceanic climates. Under these conditions, bog mosses and other plants break down very slowly and gradually to form a layer of peat. Peat depth varies, but is usually between 0.50 and 3.00m deep, and with depths of up to 8.00m not uncommon. The source of water for these is directly from rainfall.
- **Raised bog:** mainly found in lowlands, these bogs appear as domes growing up to 10.00m or more in height. As with blanket bog, the source of water for these is directly from rainfall.
- **Fen:** usually low, marshy wetlands where groundwater, enriched by the chemistry of mineral soils, causes waterlogging. In upland environments, this habitat type includes valley mires, which can transition to blanket bog on valley sides.
- **Bog woodland:** similar to the open peatlands described above, but supports tree species such as Scots pine, birch and willow.

2.3.3 All peatlands in the UK have developed under peat-forming vegetation, but a wide range of other vegetation types can also occur over peatlands as a result of land management. Many of these can represent habitats or include vegetation species of conservation importance, including those listed in Annex 1 of the European Council Habitats Directive 92/43/EEC (Council of the European Communities, 1992), identified as UK Biodiversity Action Plan priority habitats or vegetation, or identified on the Scottish Biodiversity List (SBL) (Scottish Government, 2013).

2.3.4 Several vegetation types are associated with wet conditions conducive to peat formation within peatland habitats, and represent their most active and least damaged state. Based on Bruneau and Johnson (2014), these may include:

- **Bog vegetation:** National Vegetation Classification (NVC) communities M17 to M20 define the core range of blanket bog and raised bog vegetation in the UK, with the representation of bog-pool communities M1 to M3 varying in relation to climate and land management.
- **Fen vegetation:** in nutrient **rich fen**, vegetation may include M9, M10, M13, M14 and S24; with these developing at locations subject to the influence of calcareous, but nutrient-poor water. Nutrient-poor, acidic water promotes bog-like **poor fen** vegetation including M4 to M8 and M21 vegetation of bog mosses, sedges, cotton-grass and dwarf shrubs. Many examples of poor fen also occur as soligenous features (flushes and springs), often in association with bog or marshy grassland vegetation.
- **Purple moor-grass:** M25 is a deciduous grass and a natural component of bog and poor fen vegetation. Under certain drainage and burning management, such peatlands can become

almost completely dominated by this species, thus representing degraded or modified bog. The annual build-up of purple moor-grass litter can form peat, especially where it accumulates in pools. However, the extent to which purple moor-grass dominated vegetation is important in on-going peat formation is not known.


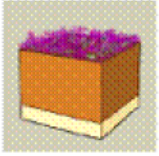
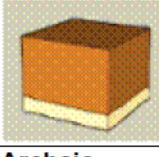
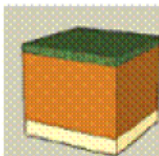
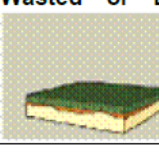
- **Wet heath vegetation:** NVC communities M15 and M16 cross-leaved heath, deer-grass and bog moss are most widespread on shallow peaty soils, but can also occur on deeper peats influenced by drainage, burning or cutting.

2.3.5 Other types of semi-natural vegetation not associated with the formation of waterlogged peat can also occur over peaty soils as a result of management and environmental impacts. On blanket bogs and shallow peatlands for example, drainage, rotational burning, grazing and air pollution can be responsible for the development of **dry heath** vegetation (H8 to H10 and H12). This is however most usually associated with the formation of thinner organic or peaty soils in freely draining areas and is unlikely to form deep peat under the current climate.

## 2.4 Condition and Function of Peatland

2.4.1 Peatland characterisation has traditionally focused on vegetation, hydrological or developmental criteria, but they can also be described according to their degree of degradation, condition and function, as summarised in **Table 1** (after Bruneau and Johnson, 2014).

Table 1: Categories and Condition of Peatland

Peat Category	Structure, Vegetation and Management	Water table	Organic matter dynamics
<b>Active</b> 	Semi-natural vegetation cover of bog mosses, cotton grasses and dwarf shrubs (bogs, poor-fens) and medium-tall graminoids, forbs and hypnoid mosses (other fens). Might include Purple moor-grass dominated vegetation in some circumstances. Diplotelmic structure in case of bogs and some fens, with true acrotelm of living bog mosses and/or recently deposited plant litter Sympathetically managed and restored mires.	Water table mostly fluctuates within acrotelm rooting zone. Catotelm /deeper peat remains more or less permanently waterlogged.	Organic matter fixed and starts to degrade in acrotelm, releasing some CO <sub>2</sub> New peat material enters long-term storage at top of catotelm – little CO <sub>2</sub> released, slow release of CH <sub>4</sub> . Acrotelm may oxidise some CH <sub>4</sub> into CO <sub>2</sub> . Optimal state for long-term storage of carbon in catotelm
<b>Degraded</b> 	Semi-natural vegetation, but with balance of graminoids/forbs/ericoids and bryophytes changed by adverse/lack of management. Acrotelm absent or impacted. Could include forestry if some bog flora remains. Associated with burning, drainage, afforestation of peatland.	Water table fluctuates within previously accumulated catotelm peat. Taller vegetation draws water from peat surface layers.	Falling litter degrades at peat surface, or in upper peat layers. Little new organic matter reaches area of permanent waterlogging. Upper catotelm peat degrades into CO <sub>2</sub> and becomes more decomposed (humified). More CH <sub>4</sub> is oxidised in upper peat layers. Can be subject to peat shrinkage.
<b>Bare</b> 	No true acrotelm. No vegetation. Associated with peat cutting, wildfire, pollution, overstocking or cultivation of peatlands. Some erosion complexes are long-standing and apparently natural.	Water table fluctuates within previously accumulated catotelm peat. Upstanding dry hags alternate with lower wetter but periodically dehydrated peat.	No new litter entering system. Catotelm peat degrades into CO <sub>2</sub> but extremes of temperature probably retard degradation. CH <sub>4</sub> emissions may increase – mechanism unknown. Much peat lost through erosion by wind and water.
<b>Archaic</b> 	No true acrotelm Agricultural vegetation (grassland/ cropland) including cultivated land Forestry where no bog flora remains. Usually deep drained.	Water table controlled by ditch system, often with under-drainage Held typically at ~40-80cm below peat surface in catotelm May be brought closer to surface during winter in grasslands.	Plant litter degrades at peat surface or in upper layers. Upper catotelm peat degrades into CO <sub>2</sub> and becomes more decomposed (humified). Cultivation of soil increases oxidation of organic matter releasing more CO <sub>2</sub> . Little CH <sub>4</sub> released – dry surface peat may oxidise atmospheric CH <sub>4</sub> . Peat surface rapidly lowers due to decomposition and erosion of peat.
<b>Wasted or Lost</b> 	No true acrotelm or catotelm. Most peat has been lost or removed. Agricultural vegetation (grassland/cropland).	Water table mainly fluctuates within underlying mineral soils.	Peat organic matter increasingly mixed with soil mineral material. Some peat material stabilised. Decomposition of organic matter slows releasing less CO <sub>2</sub> . Little CH <sub>4</sub> released and some atmospheric CH <sub>4</sub> oxidised.

- 2.4.2 Bruneau and Johnson (2014) also clarify that all intermediate stages between active and bare peat are degraded. In such instances, the peat retains a semi-natural vegetation cover but is dominated by graminoid (grassy) or ericoid (heather-like) vegetation. Furthermore, the presence of erosion features such as gullies and peat hags can also result in mixtures of degraded and bare peat within a wider peatland environment.
- 2.4.3 SNH (2016) present a series of sub-categories, specifically aimed to allow the description of the degree of degradation in blanket bog, including:
- **Near natural condition:** sphagnum dominated, no known fires (either prescribed or wild) within living memory, evidence of grazing and trampling is rare or absent, little or no bare peat surface is present and heather (*Calluna vulgaris*) is not dominant.
  - **Modified:** bare peat in small patches, fires or fire history, frequent impacts of grazing and trampling, sphagnum mosses rare or absent, extensive cover of heather (*Calluna vulgaris*) or purple moor-grass (*Molinia caerulea*), an undesirable level of scrub drying out the bog.
  - **Drained:** within 30m of either an artificial drain (grip) or re-vegetated hagg/ gully system.
  - **Actively eroding:** actively eroding hagg/ gully system (most of their length having no vegetation in gully bottoms with steep, bare peat 'cliffs'), extensive continuous bare peat surfaces (peat 'pans'), extensive bare peat surfaces at former peat cutting sites, restoration may require a period of livestock removal and exclusion of wild herbivores.
- 2.4.4 According to the '*Wise Use of Mires and Peatlands*' (Clarke and Joosten, 2002), there are several functions and values of peatlands that also make them valuable ecosystems. Although definitions of functions or values vary according to individual perception and interest, some of them are widely recognized as core ecosystem services. Based on the UK National Ecosystem Assessment (UK NEA) in this respect, the recognised services can be sub-divided by different types of peat-based habitats, as detailed in **Table 2** (UK NEA, 2011; JNCC, 2011) and where values range from negligible (-) to high (+++) importance.

Table 2: Ecosystem Services (Functions and Values) of Peatland

	Bracken	Dwarf shrub heath	Upland fen, marsh, swamp	Bogs	Montane	Fens	Grazing marsh	Lowland raised bogs	Headwater wetlands	Wet woodlands	Native pine wood
Likely soil associated	Shallow peat Mineral	Shallow peat Mineral	Deep peat	Deep peat	Shallow peat Mineral	Deep peat	Shallow peat	Deep peat	Mix	Shallow / deep peat	Shallow peat
<b>Provisioning services</b>											
Crops livestock and fisheries	+	+++	+	++	++	+	++	+	+++	+	++
Trees, standing vegetation and peat	-	-	-	+	-	+	+	++	+	+++	+++
Trees for timber, bio/woodfuel	-	-	-	-	-	-	-	-	-	-	-
Wild species diversity	+	+++	+++	+++	+++	+++	++	+++	++	++	++
Water supply	-	+	++	+++	+	+++	+++	+++	+++	++	+
<b>Regulating services</b>											
Climate, GHG, carbon	+	++	+++	+++	++	+++	++	+++	+++	+++	++
Hazard	+	+++	+	++	-	+++	+++	++	+++	++	+
Disease and pest	++	++	+	++	+	++	++	+	++	+	+
Pollution control / Detoxification and purification	+	++	++	+++	++	+++	+++	+++	+++	++	+
Pollination	+	+	+	+	+	+	+	+	+	+	+
<b>Cultural services</b>											
Religion and spirituality	+	++	++	++	+++	++	++	++	++	+	+
Cultural heritage / aesthetics	+	++	+++	++	++	++	++	+++	+++	+	+++
Social cohesion	+	++	++	++	+	+	+	+	+	++	++
Tourism and recreation	+	++	+	++	++	++	+	++	+	++	++
Education	+	+	+	+	+++	+	+	++	+	+	+
<b>Supporting services</b>											
Soil formation	+++	+++	+++	+++	+++	+++	+++	+++	+++	+++	+++
Nutrient / water cycling oxygen production	++	+++	+++	+++	+++	+++	+++	+++	+++	+++	+++
Biodiversity	++	+++	+++	+++	+++	+++	+++	+++	+++	+++	+++



## 2.5 Peatland Geomorphology

- 2.5.1 The geomorphology of peatlands varies depending on the nature of the peatland and the scale at which the geomorphological features are considered. Evans and Warburton (2007) categorise these features by scale.
- 2.5.2 At the large end of this scale are ‘macrotopes’ which are roughly synonymous to blanket bog, raised bog and fen. Morphologically at this scale, blanket bog is a mosaic of peat environments which ‘blankets’ uplands with peat and is comprised of a series of smaller components. Raised bogs and fen being domed bodies of peat and low-lying marshy peatland respectively, are both also comprised of smaller components.
- 2.5.3 At the next level down, Evans and Warburton (2007) describe a series of ‘mesotopes’ within blanket bog complexes comprising watershed mires, spur mires, saddle mires, valley side mires and ladder fens. Some of these may formerly have been distinctly separate morphological units, but over time have been incorporated into the overall bog complex as peat has accumulated. SNH (2015b) divide raised bogs at a similar scale, detailing three specific areas of a raised bog; the central, extensive, raised and rather level *mire expanse* and a *rand* of deep peat which slopes towards the *lagg*, which is the outermost lowest zone and only has a thin patchy peat cover so there is some nutrient enrichment from the underlying mineral soils. Equivalent sub-divisions at this scale in lowland fens are principally vegetation based (SNH, 2015c), but swamps and valley mire are specific sub-divisions likely to be found at this mesotope level.
- 2.5.4 At the smallest scale, Evans and Warburton (2007) describe a series of ‘microforms’. They describe several ‘hydro-ecological’ microforms present in blanket bogs including hummocks, ridges (high or low), hollows (sphagnum or mud-bottomed) and pools (permanent or ephemeral). IPCC (2016) describe a series of equivalent ‘ecotopes’ for raised bogs which include hummocks, flats, lawns, hollows and pools. In addition to these hydro-ecological microforms, Evans and Warburton (2007) also describe a series of geomorphological forms commonly found in blanket bog which include erosion gullies, erosion hags and peat mounds.
- 2.5.5 The geomorphological features described above are generally those found naturally in peatlands. However, artificial features can also be present and affect the geomorphology and function of peatland, particularly artificial drainage and scars from peat cutting and mineral extraction.

## 3 Approach and Methods

### 3.1 Scope and Guidance

- 3.1.1 Baseline conditions in relation to peat for the Proposed Scheme have been determined through desk-based data assessments, ground investigations (GI), dedicated walkovers and field surveys, as summarised in **Chapter 10 (Volume 1)**; with the level of information being progressive and reflective of the DMRB assessment stage and design development process described in **Chapter 4 (Volume 1)**.
- 3.1.2 Each aspect of the assessment and surveys completed have been undertaken in accordance with guidance provided in ‘*Developments on Peatland: Site Surveys*’ (Scottish Government *et al.*, 2014), ‘*Peat Depth Survey Guidance*’ (SNH, 2015d), ‘*Peatland Condition Assessment*’ (SNH, 2016), ‘*Peat Landslide Hazard and Risk Assessments: Best Practice Guide for Proposed Electricity Generation Developments*’ (Scottish Government, 2017) and ‘*Guidance on Developments on Peatland: Peatland Survey*’ (Scottish Government, SNH and SEPA, 2017).

## 3.2 Baseline Data

3.2.1 Several peat probing, sampling and walkover surveys and phases of GI have been undertaken prior to or in support of the DMRB Stage 3 EIA. The scope of work for these and data available for consideration in the assessment is summarised below:

- **Advanced Ground Investigation (Raeburn Drilling and Geotechnical Ltd (Raeburn), September to December 2015):** comprising 62 (no.) trial pits and 37 (no.) boreholes across and adjacent to the Proposed Scheme, with 24 (no.) basic peat and/ or von Post (Hobbs, 1986) peat and substrate descriptions, where encountered.

A total of 126 (no.) peat depth probe measurements were also advanced throughout the study area, targeting areas of peat highlighted by British Geological Survey (BGS) mapping, though no descriptions of peat or substrates were obtained.

- **DMRB Stage 3 Peat Survey (CH2M Fairhurst Joint Venture (CFJV), February to March 2017):** comprising a total of 730 (no.) peat depth probe measurements across and adjacent to the Proposed Scheme.
- **DMRB Stage 3 Supplementary Peat Survey (CFJV, June 2017):** comprising a total of 153 (no.) peat depth probe measurements across and adjacent to the Proposed Scheme, focusing on areas with little/ no coverage from the previous survey. Core samples were recovered from 26 (no.) locations to obtain basic, von Post (Hobbs, 1986) and Troels-Smith (Norbury, 2016) descriptions of peat and substrate, where encountered.
- **Preliminary Ground Investigation (BAM Ritchies, November 2017 to January 2018):** a total of 1,586 (no.) peat depth probe measurements were completed across and adjacent to the Proposed Scheme footprint. Core samples were recovered from 36 (no.) locations to obtain basic peat/ peaty soil and/ or von Post (Hobbs, 1986) descriptions of peat and substrate, where encountered.

Additionally, 194 (no.) trial pits and 148 (no.) boreholes were advanced across and adjacent to the Proposed Scheme, with 64 (no.) basic peat/ peaty soil and/ or von Post (Hobbs, 1986) peat and substrate descriptions obtained, where encountered. Laboratory testing of peaty soil and peat samples for all or a selection of nutrients, loss on ignition, moisture content, bulk density, pH, total carbon and total organic carbon from selected locations.

3.2.2 Dedicated site walkovers were undertaken to assess peatland areas (CFJV, March and November 2017) and to understand morphology and stability features. This was additionally supported and guided by Phase 1 Habitat (CH2M, 2014) and NVC Survey (MacArthur Green, 2015) findings.

3.2.3 Photographs obtained during the site walkovers are presented in **Annex 10.1.1** and their geo-referenced locations are shown in **Drawings 10.1.1 to 10.1.6 (Volume 3)**. All available depth and characteristic data is also attached in **Annex 10.1.2** and **Annex 10.1.3**, while Phase 1 Habitat and NVC Survey findings are described in **Appendix 12.2** and **12.3 (Volume 2)**, respectively.

## 3.3 Field Methods

3.3.1 For each relevant stage of the surveys and GI, the investigative works were targeted to specific Proposed Scheme elements and to gain an understanding of peat depth and characteristics across the study area. The following principles and methods were applied to the peat probing and sampling aspects of these:

- Survey areas and extents were identified and informed by published BGS and soil mapping, previous probing or GI information available at that time, and inferences of potential peat presence based on Phase 1 Habitat and NVC Surveys
- Peat probe depth measurements were taken using a 1.20m Van Walt Utility or Mackintosh Peat Probes with extensions, at least once every 100m across the Proposed Scheme, equivalent to a low resolution first pass (Scottish Government, 2014). Where peat and elements of the Proposed Scheme were expected to coincide, a more resolute density of measurements was applied
- Peat probe depth measurements were undertaken to refusal and full depth at all locations and, in the case of core samples, until substrate was evident in the core, if possible
- Core samples were retrieved across the full peat or peaty soil profile penetrable by hand, using either a 30mm diameter and 1.00m length gouge auger or Russian Corer for logging and/ or laboratory testing
- Core samples retrieved were targeted to the range of peat-based habitats and environments present (within and adjacent to the infrastructure footprint) and were described using the von Post (after Hobbs, 1986) and/ or Troels-Smith (Norbury, 2016) classification schemes
- At each core location, descriptions of the peat/ soil using the classification schemes were obtained at 0.50m intervals across the full profile recovered – including the uppermost peat/ sediments, nature of the substrate, depth to groundwater and details of the depth below ground level of the contact between the acrotelm and catotelm, if identifiable
- Sample descriptions have been retrieved at a combined total of 150 (no.) locations, equivalent to approximately 5% of all depth measurements available – which is in accordance with the minimum recommendations provided in *'Developments on Peatland: Site Surveys'* (Scottish Government, 2014) and *'Guidance on Developments on Peatland: Peatland Survey'* (Scottish Government, SNH and SEPA, 2017).
- Survey locations were recorded using a hand-held GPS (probe and core sample locations) or GPS Total Station (trial pit and borehole locations) and photographs were obtained at each core location to provide context. Where hand-held GPS failed or signals were weak, standard navigation techniques were employed to establish measurement point locations.

### 3.4 Peat Depth Model

- 3.4.1 All available data has been used to generate a detailed map of peat and peaty soil depth for the Proposed Scheme. This was created using ArcGIS 10.3.1 geographical information system software as described in **Annex 10.1.4**. The resultant model is shown in **Drawings 10.11 to 10.22 (Volume 3)**, together with the positions of the various probe, core, trial pit and borehole locations that have been advanced and that are available for consideration.

## 4 Peat Conditions

### 4.1 Published Mapping

- 4.1.1 As summarised in **Chapter 10 (Volume 1)** and shown in **Drawing 10.1 (Volume 3)**, BGS mapping identifies scattered areas of peat throughout the study area. The majority of these are located south and east of the existing A9 starting at ch. 40,000 and continuing to ch. 44,000, along with two smaller areas lying to the north near Raliabeag. The remaining areas are located north and west of Kingussie, between ch. 50,200 and ch. 56,645, with the largest of these lying directly

south of the existing A9 between ch. 51,600 and ch. 52,200. Published soil mapping (JHI, 2013) shown in **Drawings 10.4 and 10.5 (Volume 3)** also identifies areas of peaty soils, including peaty gleys, peaty podzols, peaty gleyed podzols and peaty alluvial soils.

- 4.1.2 SNH Carbon and Peatland mapping shown in **Drawing 10.6 (Volume 3)** shows that there are no areas of priority peatland (nationally important carbon-rich, peaty soils and deep peat present) within the study area, with it almost exclusively comprising Class 0 (mineral soils where peatland habitats are not typically found).

## 4.2 Geomorphology

- 4.2.1 The study area is situated within Badenoch landscape character area (SNH, 1996), with the southern extents predominantly located to the south of the River Spey on the river terraces and sloping ground which ultimately lead to the Cairngorm Massif. The study area then crosses the flat open Strath floor and the River Spey itself. North of the River Spey, the study area covers the very lowest parts of the gently undulating hills which lead up to Monadhliath Mountains.
- 4.2.2 Much of the flat-lying floor of the Strath Spey valley is occupied by extensive marsh and wetlands of northern fen. The predominant influences on the landscape have been glaciation and subsequent deglaciation during the Pleistocene, with powerful flows of ice over 700m thick across the study area, directed along Strath Spey from Rannoch Moor (Young, 1978; Hall *et al.*, 2016). Glaciation, deglaciation and associated processes have therefore created many of the landforms, as there is little to no observable geological control on either the topography or the drainage systems (Young, 1978). The predominant controls on the current landscape appearance are either erosion, deposition or subsequent erosion and reworking of glacial deposits by glacial movement and melt before circa 13,000 years ago; evidenced by the presence of glacial features such as dead ice topography and kettle holes, and glaciofluvial features such as outwash fans (Sissons and Walker, 1974; Young, 1978).
- 4.2.3 As shown in **Drawing 10.1 (Volume 3)**, published BGS mapping indicates that the study area is predominantly comprised of widespread alluvial deposits and less widespread peat in the valley bottom, above which river terrace deposits (floodplain abandoned as the river has cut down) and glaciofluvial deposits in some areas are often found. Alluvial fans are also present at the outflow of larger tributaries to the River Spey, including the River Calder, Gynack Burn, Allt Cealgach and Raitts Burn. A substantial alluvial fan also exists between Gynack Burn and Allt Cealgach on an unnamed watercourse. The formation of these fans again relates to a glacial control, as a result of large volumes of meltwater containing great sediment loads draining directly towards the current course of the River Spey along meltwater channels. Some of these meltwater channels, as indicated, are presently streamless (Young, 1978) or contain streams too small to have formed the alluvial fans through which they flow. The hillslopes further from the existing A9 in the study area are mantled with diamicton till, with peaty soils and some areas of peat. Bedrock is generally reached at shallow depths except in some locations on the strath floor (Young, 1978).
- 4.2.4 Based on the geology and wider geomorphological context (Evans and Warburton, 2007), the study area provides two principal environments ('macrotopes') in which discontinuous mosaics of peat-forming areas exist; flatter flood plains and terraces (where local areas of peatland are low lying and marshy, most comparable to low-lying fens, floodplain and transition mire) and hillslopes (where areas of peatland are most comparable to upland blanket peat).
- 4.2.5 Peat cover deeper than 0.50m is discontinuous in these mosaic environments and smaller-scale morphological ('mesotope' and 'microtope') features are therefore sporadic. However, some are evident within and to the south and east of the study area; including flushes and hummocks on

sloping ground, and some localised hollows and bog pools around Newtonmore, Nuide, south of Kingussie and across the Insh Marshes.

- 4.2.6 No peat gullies or pipes have been identified and the otherwise lack of these smaller-scale hydro-ecological features is likely to be a result of anthropogenic impacts over time throughout the study area via muirburn, grazing, drainage, agricultural land use and woodland.

### 4.3 Habitats and Vegetation

- 4.3.1 Based on Phase 1 Habitat and NVC Surveys, peatland habitats and peat-forming or successional vegetation types have been identified locally in the study area. These include mire, blanket mire, wet heaths or mosaics of these and others, with some of the typical and indicative core vegetation ranges (Bruneau and Johnson, 2014) of **blanket bog** (M17, M19 and M1 to M3), **wet heaths** (M15 and M16), **degraded bog** (M25), **fens and flushes** (M4, M5, M6 and M10) and **wet woodland** (W3, W4, W6 and W7) represented. Semi-natural vegetation not associated with waterlogged peat formation, but that can occur over thinner organic and peaty soils on shallow peatlands includes **dry heath** (H10 and H12), **acid grasslands** (U2 and U4 to U6), **semi-natural grasslands** (MG9 and MG10), **bracken** (U20) and **scrub** (W23).

- 4.3.2 The distribution of habitats and vegetation types within the study area is shown in **Drawings 12.8 to 12.27 (Volume 3)** and described within **Chapter 12 (Volume 1)**. In summary and approximately however, those which are indicative of blanket bog account for 2% in total, with wet heaths (including areas in mosaic with blanket bog) accounting for 4%, dry heath around 17%, grasslands approximately 33%, and fens, flushes and swamp around 6%. Most of the vegetation appears to have been impacted anthropogenically over time. However, some areas of wet heath, blanket bog, other mires, fen, marsh and swamp located within and adjacent to the Proposed Scheme at Newtonmore, Nuide and across the Insh Marshes also appear sufficiently wet and/ or contain bog pool communities indicative of good condition.

### 4.4 Hydrology

- 4.4.1 A detailed hydrological catchment baseline survey for the study area based on field visits (CFJV, 2016 and 2017) and desk-based data assessments is presented in **Appendix 11.4 (Volume 2)**. This indicates that the study area drains to the River Spey. There are also several major and/ or minor watercourses present, the majority of which are direct tributaries of the River Spey; and **Chapter 11 (Volume 1)** identifies individual sub-catchments for each of these.

- 4.4.2 A network of artificial drainage channels of varying continuity and length also exist across parts of the study area, variably draining to existing watercourses and the points at which they cross the existing A9; as illustrated in **Drawings 10.5.8 (Volume 3)**. These are most frequent at the margins of existing or recent infrastructure and arable fields; and some are located in or adjacent to areas of peat. Where present, such artificial drainage will lower water table levels in and degrade areas of peat to make them more amenable for a particular purpose, but water has been observed at, or near, the surface in or nearby some areas; indicating local saturation as previously noted.

- 4.4.3 No sub-surface peat pipes were identified in the peat profiles during investigations, peat probing or other walkover surveys completed.

### 4.5 Peat Characteristics

- 4.5.1 The following sections present detail of the basic peaty soil and peat characteristics based on available depth and characteristic data, as presented in **Annex 10.1.2** and **Annex 10.1.3**.

Peat Depth

- 4.5.2 The occurrences of peaty soils and peat correspond reasonably well with the ecology survey findings; with peaty soils and topsoil (less than 0.50m thickness) predominant in areas of dry or wet heath and mosaics of these and grassland transitions. These ranged from 0.05 to 0.50m in thickness and were generally described to vary from sandy, silty, clayey soil or topsoil that is variably peaty or contains pockets of peat with fibrous or pseudo-fibrous elements, but also occasional thin fibrous or pseudo-fibrous peat horizons. Discontinuous pockets of shallow peat (between 0.50 and 1.00m thickness) are present in similar areas locally, with some areas of deep peat (greater than 1.00m thickness) located in areas of wet heath, blanket bog, mosaics of these, other mires, fens, marshes and swamp.
- 4.5.3 The full range of recorded peat and peaty soil depths across areas investigated for the Proposed Scheme varied from 0.05 to 4.85m, as illustrated in **Drawing 10.11 to 10.22 (Volume 3)**. However as summarised in **Figure 1**, the vast majority of areas (around 77%) within the permanent and temporary works boundaries are underlain by peaty soil or topsoil less than 0.50m thickness, and around 11% is underlain by no peat. Shallow peat is present underlying less than 4% of the areas and less than 1% is underlain by deep peat. Available GI has also identified peat strata, between 0.10 and 3.30m thickness, buried beneath granular horizons of made ground and/ or sands and gravels at several locations.
- 4.5.4 Approximately 7% of the permanent and temporary works boundaries of the Proposed Scheme is without real or interpolated peat depth data. However, desk-based and ecological survey information indicate that peat greater than 0.50m is unlikely to be present in most of these areas as they are predominantly situated on superficial deposits of glaciofluvial origin.

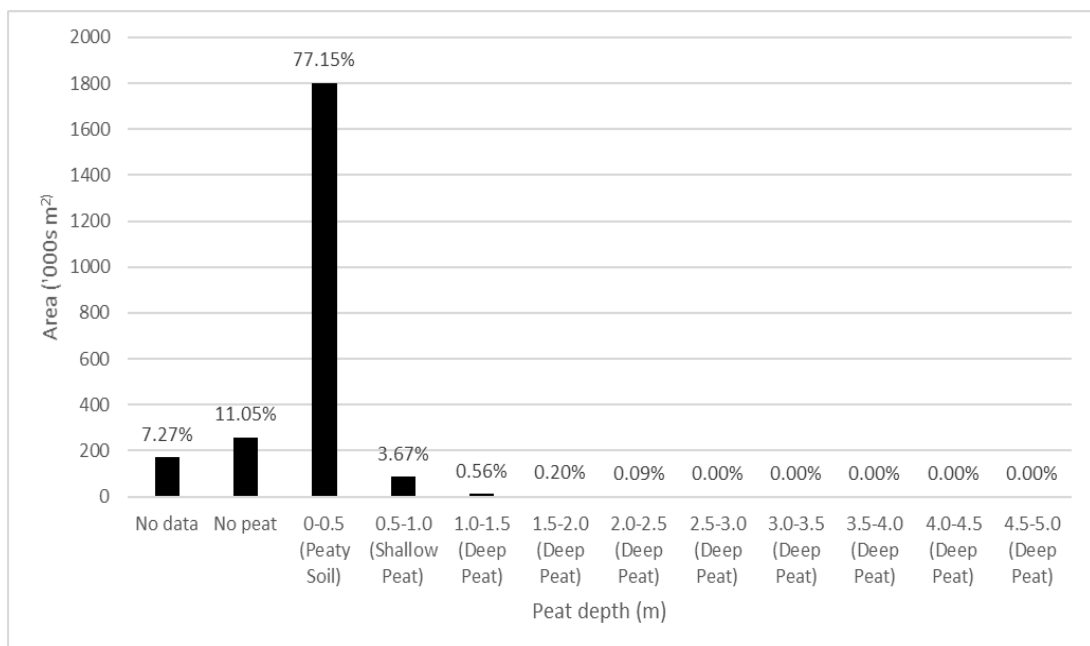


Figure 1: Peaty Soil and Peat Depth Distribution

Acrotelm-Catotelm

- 4.5.5 The true depth of the acrotelm is often difficult to determine in the field and may be deeper than suggested by indicators such as living mosses and poorly decomposed plant material. Indeed, it has frequently been the case from investigation information available for the Proposed Scheme

that the acrotelm (i.e. that part of the peat profile which experiences fluctuations in water table) was recorded to be impacted or degraded.

4.5.6 In this respect, the acrotelm across the Proposed Scheme has been observed to predominantly comprise thin (0.05 to 0.30m) variably decomposed (H1 to H6, locally greater) layers and variably distinct semi-natural vegetation. The decomposition varied throughout, with several areas with decomposition ratings higher than would be expected for an acrotelm that is healthy and actively peat-forming. However, areas showing no or only very slight decomposition (H1 to H3) with distinct vegetation indicating good condition were also observed locally – around the proposed Newtonmore junction (ch. 42,700 to ch. 43,600) and an area of mire located at Nuide (ch. 46,000). In areas conducive to flooding, within the River Spey floodplain and Insh Marshes, high proportions of mineral content (sand, gravel and silt) were observed in the acrotelm layers.

4.5.7 The catotelm layers underlying the acrotelm were recorded to vary between spongy, plastic and firm condition. The type of peats also varied from dark brown and black fibrous to pseudo-fibrous, and locally amorphous; with highly variable root, wood, sand and silt content. Pseudo-fibrous peat was typically described as H3 to H7 on the von Post scale (very slight to strong decomposition), fibrous peat was typically described as H1 to H5 (no decomposition to moderate decomposition), while locally more amorphous peat or amorphous content within it was described as H8, H9 or H10 (very strong, nearly complete or complete decomposition).

#### Humification

4.5.8 **Figure 2** summarises the degrees of humification recorded on the von Post scale across the study area, versus the depths at which these were observed.

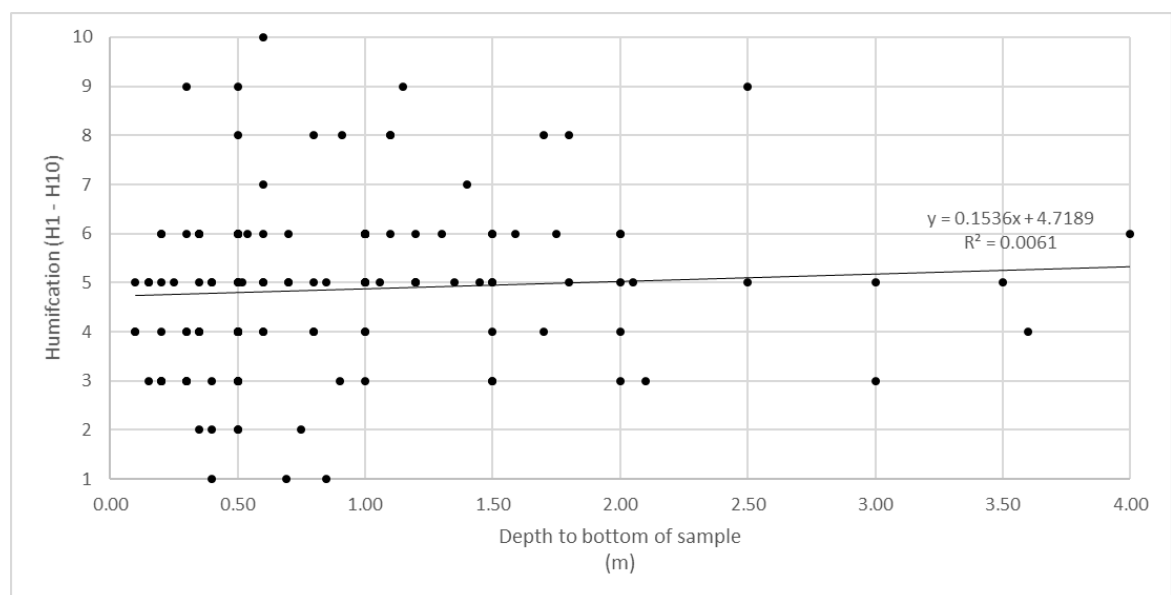


Figure 2: Degree of von Post Humification versus Sample Depth

4.5.9 Approximately 75% of samples obtained at less than 1.00m were described as H5 or less on the von Post scale, with 17% classified as H6 and 8% classified as H7 or greater. Samples from 1.00m or deeper recorded 75% of samples to be H5 or higher, and peat that was very strongly or completely decomposed (H8 or greater) was recorded at the base of the profile in some samples.

4.5.10 Overall, the results indicate that there is a very weak trend for humification to increase with depth due to the local instances of very strongly, nearly complete or completely humified (H8 or

greater) peat being found at shallow depths less than 0.50 or 1.00m. This may reflect the modified nature of the peatland environments in the vicinity of the Proposed Scheme.

### Water Content

- 4.5.11 Estimated water contents of samples have covered the full range of possible values on the Von Post scale. **Figure 3** illustrates that there appears to be practically no correlation between water content and depth. This may reflect, at least in part, the timing of the sampling. Particularly at shallow depths, the water content will have been dependent on the antecedent conditions, such as during winter when the water table is likely to be seasonally higher.

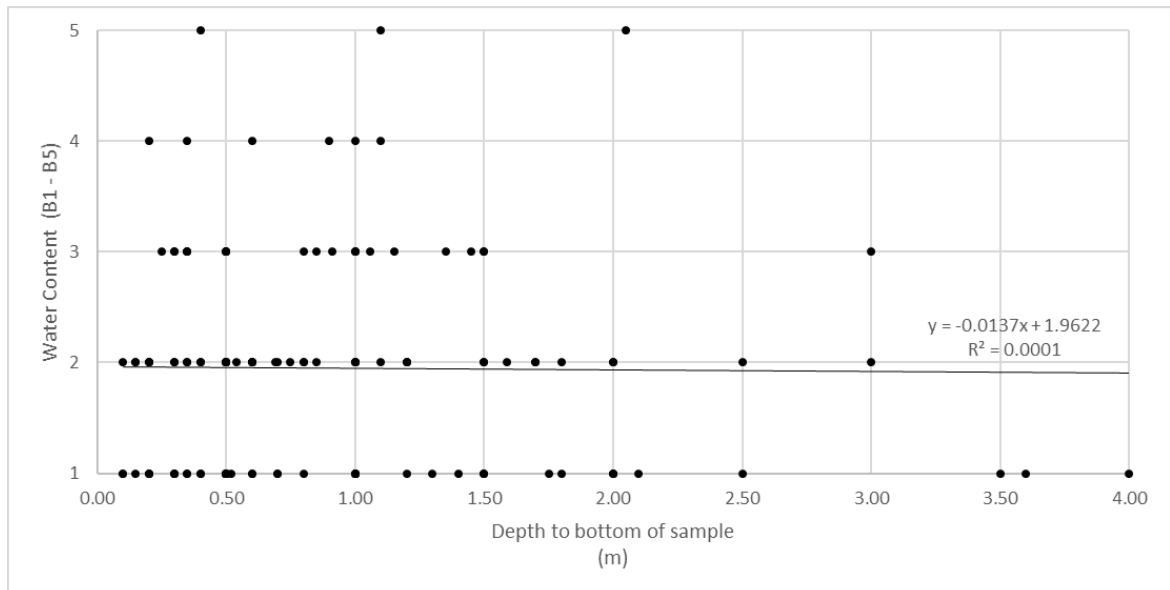


Figure 3: Estimated Water Contents versus Sample Depth

### Fibrous Content

- 4.5.12 Low to moderate proportions of the coarse fibres (R0 to R2) of sphagnum mosses, herbaceous or woody plants were observed at shallow depths within younger parts of the peat profiles; the type being dependent on the surrounding habitat and vegetation. The proportions generally decreased to low or absent (R1 to R0) with depth; where low to moderate content of fine fibres (F1 to F3) of similar species were observed, albeit being less distinct as would be expected.

### Wood Remnants

- 4.5.13 Some samples were observed to contain wood remnants, comprising between 25 and 75% of certain profiles. Those at shallower depth distinctly corresponded to more recent deposition of the roots and stumps of woody plants such as heather in areas of wet heath and blanket bog, with less distinct detrital fragments at greater depths.

### Sediment Types

- 4.5.14 The organic sediments within the peat were observed to variably be comprised of the humified roots, stem, rhizome or leaf remains from sphagnum mosses, herbaceous or woody plants; the type being dependent on the surrounding habitat and vegetation as previously noted. These and



detrital fragments of the same variably made up 25% to 50% of the peat profiles and became less distinct with depth.

- 4.5.15 Intercalated mineral content within the peat profiles varied, but the highest proportions were generally observed in areas within the River Spey floodplain and Insh Marshes. Clay and sand were observed to frequently comprise between 25% and 75% of the components in several samples, with gravel and silt were also noted at between 25% and 50% of certain profiles or as minor components less than this.

#### Substrate

- 4.5.16 The substrates underlying the peats within the study area are predominantly granular and were frequently difficult to penetrate and recover with the sampling equipment used. However, this corresponds well with published BGS mapping indications. Some trial pits, boreholes and peat coring locations also identified the presence of clay or silt substrate beneath the peats, but in all instances, these had notable amounts of sand as a secondary component and are therefore likely to be fine-grained tills.

#### Laboratory Testing

- 4.5.17 Laboratory testing of peaty soil and peat samples for all, or a selection of loss on ignition, moisture content, bulk density, pH, total carbon and total organic carbon from selected peat core locations was undertaken as part of the Preliminary GI. The results available across the profiles for each are presented in **Annex 10.1.3** together with vegetation/ habitat types at each sample location, and a summary is presented in **Table 3**.

Table 1: Laboratory Testing Results

Parameter	Peaty Soil/ Topsoil			Shallow Peat			Deep Peat		
	Min.	Max.	Mean	Min.	Max.	Mean	Min.	Max.	Mean
Bulk Density (Mg/m <sup>3</sup> )	0.07	0.29	0.21	0.33	0.49	0.41	0.14	0.58	0.39
Dry Density (Mg/m <sup>3</sup> )	0.02	0.05	0.03	0.03	0.09	0.06	0.02	0.22	0.06
Moisture Content (%)	98	1443	516.27	272	1423	624.33	98	1372	697.83
Loss on Ignition (%)	19	97	64.25	15	94	66.29	30	100	77.81
Total Carbon Content (%)	6.80	46.00	23.58	4.90	51.00	30.43	15.00	54.00	35.25
Total Organic Carbon (%)	5.50	44.00	21.78	5.40	43.00	27.49	11.00	55.00	33.33
pH (Units)	3.60	5.90	4.49	3.50	5.30	4.27	3.70	6.60	4.60

- 4.5.18 With the exception of two samples recorded at 42 and 46%, the results indicate that the vast majority of peaty soils and topsoils in the study area have a low or very low % carbon between 2 and 20%. Shallow peat profiles also exhibited low % carbon, with approximately 50% of the samples ranging between 5 and 33%. Deeper peats had generally higher ranges between 30 and 54%; but with lower % content in some samples from shallower parts of the profiles – likely to be indicative of degradation to these.
- 4.5.19 The results otherwise confirm some expected relationships and properties, such as the acidic and nutrient-poor nature of the soils and peats, with variable moisture content. However, the bulk dry density results for the shallow and deep peat samples is noted to be lower than ranges typically expected (Scottish Government, 2014; SEPA and James Hutton Institute, 2015).

## 5 Conclusions

- 5.1.1 Based on the baseline peat characteristics, geomorphology, habitats and hydrology; areas of peaty soils and peat within the study area are considered to be predominantly drained and/ or modified in condition due to historical and recent development or land management activity. However, and although not pristine, some areas also appear to locally be in good condition, with a relatively intact hydrological regime and containing bog pool communities.
- 5.1.2 At a broad scale based on the criteria in **Table 10-1** within **Chapter 10 (Volume 1)** and SNH Carbon and Peatland mapping (SNH, 2016); the entirety of the Proposed Scheme extent would be considered negligible sensitivity in relation to peaty soils and peat – as there are no areas of priority peatland present. At a more local scale however, it is noted that this is contradicted by the occurrence of certain habitats and peat-forming vegetation types within the study area.
- 5.1.3 In this respect, the broader functions, values and core ecosystem services (including carbon storage) which these areas may provide are recognised based on those set out by the UK NEA (2011) and JNCC (2011) in **Table 2**; particularly in relation to the regulating, cultural and supporting services for blanket bog, wet heath, fen, marshes and swamp. The various habitats within the study area are also likely to be strongly influenced by the soils present (be it peaty soils, shallow or deep peat), with those habitats in turn either being important for local diversity, listed in Annex 1 of the European Council Habitats Directive 92/43/EEC (Council of the European Communities, 1992) and/ or being located within, adjacent to or nearby areas of environmental designation associated with the Insh Marshes.
- 5.1.4 All aspects taken together, the habitats and vegetation suggest that some areas of peaty soil and peat across the Proposed Scheme would be considered medium or high sensitivity, for one or more reasons. Such areas are reasonably indicated through the distribution of blanket bog, wet heath, mosaics of these, other mires, fen, marsh and swamp shown in **Drawings 12.8 to 12.27 (Volume 3)**; as these correspond to the areas of deepest peat and otherwise, areas of higher conservation value. The remaining areas of peaty soils mostly correspond to occasionally wet, but predominantly dry, acidic and more fragmented areas of dry heath, wet heath and grassland or open vegetation transition types. These don't represent priority peatland and are otherwise, areas of generally lower conservation interest which would be low or negligible sensitivity.
- 5.1.5 The key areas of medium and high sensitivity based on the information available are considered to include shallow and deep peat associated with wet heath and blanket bog within and adjacent to the proposed junction at Newtonmore (ch. 42,700 to ch. 43,600), an area of mire located at Nuide (ch. 46,000), a wet heath, blanket bog, mire and swamp complex south of the existing A9 at Cemetery Marsh (ch. 51,400 to ch. 52,200) and otherwise, the wider areas of fen, marsh and swamp associated within and throughout the River Spey – Insh Marshes Ramsar, Special Protection Area (SPA) and Site of Special Scientific Interest (SSSI) and the Insh Marshes Special Area of Conservation (SAC) and National Nature Reserve (NNR).

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# Annex 10.1.1

## Peat Walkover Survey Photographs



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P09\_PH003



P09\_PH004



P09\_PH005



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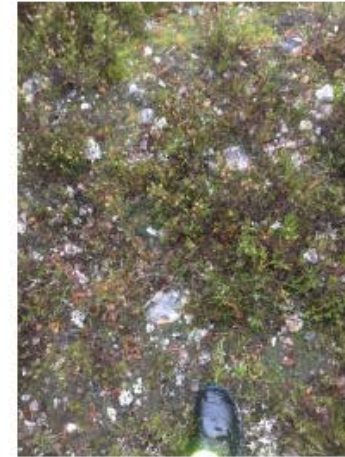
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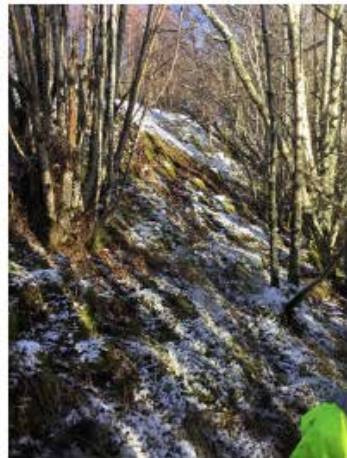
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# Annex 10.1.2

## Peat Depth Data

Table 1: Advanced Ground Investigation (Raeburn, September to November 2015) (Boreholes and Trial Pits)

Date	Location ID	Easting	Northing	Ground Level (mAOD)	Thickness (m)	Basic Peat/ Peaty Soil Description	Groundwater Level (m)	Basic Substrate Description	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
21 September 2015	BH9-001	269376.7	795883.5	271.25	0.00	-	DRY	-	H12a
22 September 2015	BH9-001A	269377.1	795884.4	271.24	0.00	-	DRY	-	H12a
04 November 2015	BH9-002	269657.0	796344.7	278.79	0.00	-	DRY	-	H12a
09 September 2015	BH9-003	270433.1	796980.9	257.25	0.00	-	3.10 / 4.90	-	U4a
16 September 2015	BH9-004	271067.8	797315.7	278.5	0.00	-	4.60	-	H12a
15 September 2015	BH9-005	270780.3	797046.9	276.97	0.00	-	10.00	-	M15b
15 September 2015	BH9-005A	270782.5	797046.2	276.92	0.00	-	DRY	-	M15b
09 September 2015	BH9-006	273149.8	798446.4	237.67	0.00	-	8.00	-	MG6/U4/OV25
07 September 2015	BH9-007	273879.1	798722.8	249.84	0.00	-	DRY	-	U4b/U1b/CG10a/H10a
07 September 2015	BH9-007A	273878.3	798722.1	249.7	0.00	-	-	-	U4b/U1b/CG10a/H10a
09 November 2015	BH9-008	274720.2	798944.9	238.71	0.00	-	-	-	W17d/U4b
06 October 2015	BH9-009	275490.3	799205.6	252.46	0.00	-	DRY	-	W11d
06 October 2015	BH9-009A	275492.1	799204.6	252.45	0.00	-	-	-	W11d
21 October 2015	BH9-011	276443.8	800564.4	233.92	0.00	-	14	-	MG6
11 November 2015	BH9-011A	276446.7	800564.0	233.83	0.00	-	-	-	MG6
14 October 2015	BH9-012	276595.1	800886.2	229.4	0.00	-	8.50 / 16.50	-	U4b/U4a/OV25
14 October 2015	BH9-013	276659.0	801025.5	222.69	1.00	Dark brown slightly gravelly peaty fine to coarse SAND	1.00	SAND and GRAVEL	U4b/U4a/OV25
27 November 2015	BH9-014	277438.2	801721.8	223.36	1.90	Dark brown sandy fibrous PEAT with roots	2.50	SAND	U4a
11 November 2015	BH9-015	277696.4	801867.6	247.08	0.00	-	7.50 / 15.50	-	MG7/U20a
14 September 2015	BH9-016	277934.9	801905.0	241.15	0.00	-	3.50	-	CP/MG1/OV27
22 September 2015	BH9-017	278620.4	802004.2	221.74	0.00	-	-	-	BP
22 September 2015	BH9-017A	278620.8	802004.6	221.74	0.40	Brownish grey SAND and GRAVEL with pockets of dark brown PEAT	2.50	GRAVEL	BP
30 September 2015	BH9-018	279313.5	802537.6	225.53	0.00	-	0.90	-	MG7
11 September 2015	BH9-025	270669.5	796980.4	266.75	1.10	Dark brown fibrous PEAT with very high root content	1.10 / 10.00	GRAVEL	M15b
11 September 2015	BH9-025A	270669.0	796979.4	266.75	1.00	Dark brown fibrous PEAT with very high root content	1.00	GRAVEL	M15b
14 September 2015	BH9-026	270756.7	796942.5	282.1	0.20	Dark brown sandy gravelly peaty TOPSOIL with medium cobble content	14.30 / 20.50	GRAVEL	U4b
24 September 2015	BH9-027	273706.5	798686.3	250.74	0.00	-	DRY	-	MG7/U4b
23 September 2015	BH9-029	269749.2	796553.3	263.62	0.00	-	DRY	-	U4b
07 October 2015	BH9-029A	269747.6	796551.7	263.62	0.40	Dense dark brown fibrous PEAT with high root content	-	GRAVEL	U4b
30 September 2015	BH9-030	269915.1	796735.9	264.2	0.00	-	DRY	-	U4b
12 October 2015	BH9-030A	269912.6	796736.8	264.11	0.00	-	DRY	-	U4b
07 September 2015	BH9-031	270751.2	797174.2	256.12	0.35	Dark brown fibrous PEAT with high root content	DRY	SAND and GRAVEL	H12a/SWS
07 September 2015	BH9-031A	270748.3	797172.6	256.15	0.35	Dark brown fibrous PEAT with high root content	4.60	GRAVEL	H12a/SWS
19 October 2015	BH9-032	270663.0	797179.4	260	0.00	-	6.00	-	CP
05 October 2015	BH9-033	276627.9	801081.3	231.44	0.00	-	-	-	U4b/MG1
17 November 2015	BH9-034	276511.6	800572.7	232.41	0.50	Dark brown peaty TOPSOIL with rootlets	-	SAND	U4b
14 October 2015	TP9-001	269108.3	794683.9	287.5	1.25	Dark brown fibrous locally plastic PEAT with roots, lenses of sand	DRY	SAND	W7a/W7b/W11d/M15b
14 October 2015	TP9-002	269149.3	794879.6	285	0.30	Dark brown and black fibrous locally plastic PEAT with roots, pockets of sand and gravel	2.20	SAND	H12a/M15b/SWS/M6a/U4a
14 October 2015	TP9-003	269211.1	795258.4	277	0.00	-	0.70	-	H12a

Date	Location ID	Easting	Northing	Ground Level (mAOD)	Thickness (m)	Basic Peat/ Peaty Soil Description	Groundwater Level (m)	Basic Substrate Description	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
09 September 2015	TP9-004	269256.3	795363.4	296.86	0.10	Dark brown slightly pseudo-fibrous PEAT with low and medium root content	DRY	SAND	H12a
09 September 2015	TP9-005	269264.6	795411.1	295.15	0.00	-	DRY	-	H12a
09 September 2015	TP9-006	269303.8	795649.9	283.04	0.00	-	DRY	-	H12a/SWS
09 September 2015	TP9-007	269369.5	795865.8	271.43	0.60	Dark brown slightly sandy pseudo-fibrous PEAT with roots and pockets of gravel	DRY	SAND	H12a
09 September 2015	TP9-008	269490.1	796082.9	269.73	0.00	-	DRY	GRAVEL	H12a/SWS
09 September 2015	TP9-009	269566.0	796208.7	267.62	1.10	Greyish brown sand with roots, and pockets of dark brown pseudo-fibrous PEAT (possible landslide)	DRY	SAND	H12a/SWS
12 October 2015	TP9-010	269713.7	796474.5	265.82	0.60	Dark brown and black spongy fibrous PEAT with high root content	DRY	SAND	W17d/W11d/H12a
27 October 2015	TP9-011	269914.6	796797.8	265.36	0.00	-	DRY	SAND	W17/W11/W16/U4/MG1
13 October 2015	TP9-012	270144.9	796863.4	259.44	0.20	Dark brown pseudo-fibrous locally plastic locally spongy PEAT	2.50	SAND	H12a/SWS
13 October 2015	TP9-013	270288.9	796933.6	257.8	0.25	Greyish dark brown pseudo-fibrous locally plastic PEAT with pockets of gravel	2.50	SAND	U5a
07 September 2015	TP9-014	270432.6	796991.5	257.14	0.00	-	1.40	-	H12a/U4a
07 September 2015	TP9-015	270597.1	797077.9	268.41	0.00	-	DRY	-	H12a/SWS
28 October 2015	TP9-016	270590.1	797227.5	256.64	0.20	Dark brown peaty TOPSOIL	DRY	SAND	CP
26 November 2015	TP9-017	270695.2	797306.3	256.4	0.30	Dark grey locally brown sandy slightly gravelly peaty TOPSOIL with roots	DRY	SAND	CP
07 September 2015	TP9-018	270753.8	797178.0	256.13	0.30	Brown slightly sandy pseudo-fibrous PEAT with medium root content	0.30	GRAVEL	H12a/SWS
28 October 2015	TP9-019	272067.8	797391.9	255.86	0.20	Dark brown peaty TOPSOIL	DRY	SAND	-
07 September 2015	TP9-020	270895.2	797235.7	254.85	0.80	Brown plastic fibrous PEAT with high root content	0.30	SAND	M25a/M15b
08 September 2015	TP9-021	270545.2	796906.0	270.27	0.00	-	2.60	-	U4b
08 September 2015	TP9-022	270720.3	796816.7	288.5	0.00	-	DRY	-	U4b
08 September 2015	TP9-023	271154.9	797357.7	272.2	0.00	-	2.90	-	H12a
08 September 2015	TP9-024	271411.3	797447.1	266.77	0.00	-	DRY	-	H12a/SWS
08 September 2015	TP9-024A	271414.7	797444.5	266.86	0.00	-	2.70	-	H12a/SWS
08 October 2015	TP9-025	273689.7	798607.0	238.87	0.00	-	DRY	-	H10a/U2a
08 October 2015	TP9-026	274308.6	798864.3	226.82	-	Brown peaty sandy gravelly TOPSOIL with roots and low cobble content	-	-	U4
08 October 2015	TP9-026	274308.6	798864.3	226.82	-	Light brown gravelly SAND with pockets of dark brown fibrous PEAT	-	-	U4
08 October 2015	TP9-026	274308.6	798864.3	226.82	-	Dark brown fibrous PEAT with high root content	-	-	U4
08 October 2015	TP9-026	274308.6	798864.3	226.82	-	Light grey slightly peaty fine and coarse SAND with roots	-	-	U4
08 October 2015	TP9-026	274308.6	798864.3	226.82	-	Light grey slightly peaty fine and coarse SAND with strong organic odour	-	-	U4
08 October 2015	TP9-026	274308.6	798864.3	226.82	3.60	Light brown very sandy fibrous PEAT with medium and high root content with sulphurous odour	3.60	-	U4
08 October 2015	TP9-027	274413.7	798904.6	228.45	0.00	-	2.40	-	OV25/MG6/U4
06 October 2015	TP9-028	274812.4	798953.6	235.55	0.00	-	DRY	-	U4a/MG9a
06 October 2015	TP9-029	275312.4	799106.0	245.52	0.00	-	DRY	-	U4a/U2a
06 October 2015	TP9-030	275549.0	799237.1	248.27	0.00	-	DRY	-	RTP
06 October 2015	TP9-031	275739.5	799392.3	237.57	0.00	-	DRY	-	BP
13 October 2015	TP9-032	276608.6	800877.0	229.83	0.00	-	DRY	-	U4b/U4a/OV25
08 October 2015	TP9-033	276636.7	801086.3	231.57	0.00	-	DRY	-	U4b/MG1
07 October 2015	TP9-034	276710.0	801184.7	230.78	0.00	-	DRY	-	U4b
15 October 2015	TP9-035	276758.4	801286.9	230.5	0.00	-	DRY	-	U4b/MG1a/U2a
15 October 2015	TP9-036	276849.2	801475.1	230.22	0.00	-	DRY	-	A9
15 September 2015	TP9-037	277647.5	801831.1	245.16	0.00	-	DRY	-	W11



Date	Location ID	Easting	Northing	Ground Level (mAOD)	Thickness (m)	Basic Peat/ Peaty Soil Description	Groundwater Level (m)	Basic Substrate Description	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
15 September 2015	TP9-038	277803.7	801870.9	245.01	0.00	-	DRY	-	CP/MG1/OV27
15 September 2015	TP9-039	277876.6	801888.4	244.61	0.00	-	DRY	-	CP/MG1/OV27
15 September 2015	TP9-040	278038.5	801922.6	240.02	0.00	-	3.10	-	CP/MG1/OV27
15 September 2015	TP9-041	278296.2	801938.9	235.54	0.00	-	DRY	-	CP/U4b/U20a/U2b
15 September 2015	TP9-042	278543.6	801992.5	221.77	0.00	-	DRY	-	M23b
17 September 2015	TP9-042A	278546.5	801992.0	221.77	0.00	-	2.30	-	M23b
15 September 2015	TP9-043	278607.4	802000.7	221.39	0.00	-	2.30	-	BP
17 September 2015	TP9-044	278911.5	802170.3	224.91	0.00	-	2.00	-	MG7
09 November 2015	TP9-045	279111.1	802271.3	225.64	0.00	-	DRY	-	SWS/U4b/OV27/OV24/MG1/OV25
09 November 2015	TP9-046	279364.8	802499.2	222.73	0.00	-	DRY	-	RTP
17 September 2015	TP9-047	279637.6	802827.4	240.06	0.00	-	DRY	-	RTP
07 October 2015	TP9-054	276618.1	801136.6	230.44	0.00	-	DRY	-	U4b
07 October 2015	TP9-055	276623.2	801194.9	233.98	0.00	-	DRY	-	U4b
12 October 2015	TP9-056	269842.1	796645.4	264.71	0.00	-	DRY	-	W17d/W11d/H12a
12 October 2015	TP9-057	269988.5	796773.3	263.5	0.00	-	DRY	-	H12a/SWS
05 October 2015	TP9-058	275206.5	799143.8	244.53	0.00	-	DRY	-	U4
05 October 2015	TP9-059	275748.0	799415.2	238.78	0.00	-	DRY	-	U4b/U2a/MG1a

<b>Equipment</b>	Variable (Hand Tools, Cable Percussion/ Rotary Drilling Rigs and Tracked Excavator)
<b>GPS Equipment (Accuracy)</b>	Total Station Theodolite
<b>Staff/ Contractor</b>	Raeburn Drilling and Geotechnical Limited (on behalf of CH2M Fairhurst Joint Venture and Transport Scotland)

Table 2: Advanced Ground Investigation (Raeburn, September to November 2015) (Peat Depth Probes)

Date	Location ID	Easting	Northing	Ground Level (mAOD)	Probed/ Peat Depth (m)	Groundwater Level (m)	Comments	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
-	P9PP101 (2015)	269358	795779	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	U4b
-	P9PP102 (2015)	269270	795800	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	W11/W17
-	P9PP103 (2015)	269380	795817	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a
-	P9PP104 (2015)	269390	795836	-	0.00	-	West of existing A9 carriageway (ch. 41,200 to 41,800)	H12a
-	P9PP105 (2015)	269400	795854	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a
-	P9PP106 (2015)	269408	795874	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a
-	P9PP107 (2015)	269415	795891	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a
-	P9PP108 (2015)	269422	795909	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a
-	P9PP109 (2015)	269431	795929	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a
-	P9PP110 (2015)	269436	795946	-	0.20	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a
-	P9PP111 (2015)	269440	795965	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a
-	P9PP112 (2015)	269449	795985	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a
-	P9PP113 (2015)	269457	796000	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a
-	P9PP114 (2015)	269468	796020	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a/SWS
-	P9PP115 (2015)	269476	796037	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a/SWS
-	P9PP116 (2015)	269459	796030	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a/SWS
-	P9PP117 (2015)	269446	796010	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a/SWS
-	P9PP118 (2015)	269437	795992	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a
-	P9PP119 (2015)	269430	795973	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a
-	P9PP120 (2015)	269424	795954	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a
-	P9PP121 (2015)	269417	795936	-	0.10	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a
-	P9PP122 (2015)	269409	795166	-	0.10	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a/CP
-	P9PP123 (2015)	269396	795899	-	0.20	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a
-	P9PP124 (2015)	269387	795882	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a
-	P9PP125 (2015)	269377	795861	-	0.10	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a
-	P9PP126 (2015)	269367	795845	-	0.10	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a
-	P9PP127 (2015)	269357	795827	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a/M23b
-	P9PP128 (2015)	269342	795801	-	0.10	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a/M23b
-	P9PP129 (2015)	269335	795783	-	0.10	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	U4b
-	P9PP201 (2015)	269581	796234	-	0.10	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a
-	P9PP202 (2015)	269571	796215	-	0.20	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a/SWS
-	P9PP203 (2015)	269560	796197	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a/SWS
-	P9PP204 (2015)	269547	796181	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a/SWS
-	P9PP205 (2015)	269542	796161	-	0.20	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a/SWS
-	P9PP206 (2015)	269531	796144	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a/SWS
-	P9PP207 (2015)	269521	796127	-	0.20	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a/SWS
-	P9PP208 (2015)	269509	796109	-	0.10	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a/SWS
-	P9PP209 (2015)	269499	796091	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a/SWS
-	P9PP210 (2015)	269491	796071	-	0.10	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a/SWS
-	P9PP211 (2015)	269491	796053	-	0.10	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a/SWS
-	P9PP212 (2015)	269509	796066	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a/SWS
-	P9PP213 (2015)	269525	796079	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a/SWS

Date	Location ID	Easting	Northing	Ground Level (mAOD)	Probed/ Peat Depth (m)	Groundwater Level (m)	Comments	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
-	P9PP214 (2015)	269535	796098	-	0.10	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a/SWS
-	P9PP215 (2015)	269522	796104	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a/SWS
-	P9PP216 (2015)	269532	796124	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a/SWS
-	P9PP217 (2015)	269548	796121	-	0.20	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a
-	P9PP218 (2015)	269561	796140	-	0.00	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a
-	P9PP219 (2015)	269544	796149	-	0.10	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a/SWS
-	P9PP220 (2015)	269555	796166	-	0.10	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a/SWS
-	P9PP221 (2015)	269570	796162	-	0.30	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a
-	P9PP222 (2015)	269578	796183	-	0.20	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a
-	P9PP223 (2015)	269564	796190	-	0.20	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a/SWS
-	P9PP224 (2015)	269576	796207	-	0.10	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a
-	P9PP225 (2015)	269599	796226	-	0.10	-	East of existing A9 carriageway (ch. 41,200 to 41,800)	H12a
-	P9PP301 (2015)	270443	796965	-	0.10	-	East of existing A9 carriageway (ch. 42,750 to 43,000)	H12a/U4a
-	P9PP302 (2015)	270425	796956	-	0.10	-	East of existing A9 carriageway (ch. 42,750 to 43,000)	H12a/U4a
-	P9PP303 (2015)	270408	796947	-	0.10	-	East of existing A9 carriageway (ch. 42,750 to 43,000)	U4a
-	P9PP304 (2015)	270394	796935	-	0.00	-	East of existing A9 carriageway (ch. 42,750 to 43,000)	CP
-	P9PP305 (2015)	270372	796920	-	0.10	-	East of existing A9 carriageway (ch. 42,750 to 43,000)	CP
-	P9PP306 (2015)	270352	796915	-	0.10	-	East of existing A9 carriageway (ch. 42,750 to 43,000)	CP
-	P9PP307 (2015)	270328	796910	-	0.20	-	East of existing A9 carriageway (ch. 42,750 to 43,000)	M6a
-	P9PP308 (2015)	270311	796908	-	0.70	-	East of existing A9 carriageway (ch. 42,750 to 43,000)	M6a
-	P9PP309 (2015)	270294	796909	-	0.40	-	East of existing A9 carriageway (ch. 42,750 to 43,000)	M6a
-	P9PP310 (2015)	270291	796930	-	0.20	-	East of existing A9 carriageway (ch. 42,750 to 43,000)	M6a
-	P9PP311 (2015)	270309	796932	-	0.30	-	East of existing A9 carriageway (ch. 42,750 to 43,000)	M6a
-	P9PP312 (2015)	270324	796935	-	0.50	-	East of existing A9 carriageway (ch. 42,750 to 43,000)	M6a
-	P9PP313 (2015)	270340	796942	-	0.10	-	East of existing A9 carriageway (ch. 42,750 to 43,000)	CP
-	P9PP314 (2015)	270350	796947	-	0.00	-	East of existing A9 carriageway (ch. 42,750 to 43,000)	CP
-	P9PP315 (2015)	270370	796957	-	0.00	-	East of existing A9 carriageway (ch. 42,750 to 43,000)	CP
-	P9PP316 (2015)	270398	796969	-	0.50	-	East of existing A9 carriageway (ch. 42,750 to 43,000)	CP
-	P9PP317 (2015)	270420	796975	-	0.20	-	East of existing A9 carriageway (ch. 42,750 to 43,000)	U4a
-	P9PP318 (2015)	270439	796988	-	0.10	-	East of existing A9 carriageway (ch. 42,750 to 43,000)	H12a/U4a
-	P9PP319 (2015)	270353	797055	-	0.00	-	West of existing A9 carriageway (ch. 42,750 to 43,000)	M6/W4b
-	P9PP320 (2015)	270366	797011	-	0.00	-	West of existing A9 carriageway (ch. 42,750 to 43,000)	W11/U4/W17/S9a
-	P9PP321 (2015)	270384	797024	-	0.00	-	West of existing A9 carriageway (ch. 42,750 to 43,000)	W11/U4/W17/S9a
-	P9PP322 (2015)	270400	797039	-	0.00	-	West of existing A9 carriageway (ch. 42,750 to 43,000)	W11/U4/W17/S9a
-	P9PP323 (2015)	270411	797042	-	0.00	-	West of existing A9 carriageway (ch. 42,750 to 43,000)	RTP
-	P9PP401 (2015)	277504	801761	-	0.60	-	West of existing A9 carriageway (ch. 52,400 to 52,600)	U4b/OV27
-	P9PP402 (2015)	277482	801755	-	0.40	-	West of existing A9 carriageway (ch. 52,400 to 52,600)	U4b/OV27
-	P9PP403 (2015)	277460	801749	-	0.30	-	West of existing A9 carriageway (ch. 52,400 to 52,600)	U4b/OV27
-	P9PP404 (2015)	277440	801744	-	0.40	-	West of existing A9 carriageway (ch. 52,400 to 52,600)	U4b/OV27
-	P9PP405 (2015)	277414	801736	-	0.50	-	West of existing A9 carriageway (ch. 52,400 to 52,600)	U4b/OV27
-	P9PP406 (2015)	277391	801730	-	0.40	-	West of existing A9 carriageway (ch. 52,400 to 52,600)	U4b/OV27
-	P9PP407 (2015)	277372	801725	-	0.40	-	West of existing A9 carriageway (ch. 52,400 to 52,600)	U4b/OV27
-	P9PP408 (2015)	277376	801698	-	0.10	-	West of existing A9 carriageway (ch. 52,400 to 52,600)	U4a

Date	Location ID	Easting	Northing	Ground Level (mAOD)	Probed/ Peat Depth (m)	Groundwater Level (m)	Comments	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
-	P9PP409 (2015)	277496	801701	-	0.50	-	West of existing A9 carriageway (ch. 52,400 to 52,600)	M23a/S9a/MG9a
-	P9PP410 (2015)	277415	801704	-	0.20	-	East of existing A9 carriageway (ch. 51,750 to 52,950)	U4a
-	P9PP411 (2015)	277434	801708	-	0.10	-	West of existing A9 carriageway (ch. 52,400 to 52,600)	U4a
-	P9PP412 (2015)	277454	801713	-	0.90	-	East of existing A9 carriageway (ch. 51,750 to 52,950)	M23a/S9a/MG9a
-	P9PP413 (2015)	277475	801719	-	2.50	-	East of existing A9 carriageway (ch. 51,750 to 52,950)	M23a/S9a/MG9a
-	P9PP413A (2015)	277473	801715	-	2.30	-	West of existing A9 carriageway (ch. 52,400 to 52,600)	M23a/S9a/MG9a
-	P9PP413B (2015)	277470	801717	-	1.20	-	West of existing A9 carriageway (ch. 52,400 to 52,600)	M23a/S9a/MG9a
-	P9PP413C (2015)	277474	801723	-	0.30	-	East of existing A9 carriageway (ch. 51,750 to 52,950)	M23a/S9a/MG9a
-	P9PP413D (2015)	277480	801720	-	0.40	-	East of existing A9 carriageway (ch. 51,750 to 52,950)	M23a/S9a/MG9a
-	P9PP414 (2015)	277444	801723	-	0.20	-	East of existing A9 carriageway (ch. 51,750 to 52,950)	U4a
-	P9PP415 (2015)	277503	801727	-	0.40	-	East of existing A9 carriageway (ch. 51,750 to 52,950)	W11d
-	P9PP501 (2015)	277971	801905	-	0.00	-	East of existing A9 carriageway (ch. 51,750 to 52,950)	CP/MG1/OV27
-	P9PP502 (2015)	277985	801912	-	0.00	-	East of existing A9 carriageway (ch. 51,750 to 52,950)	CP/MG1/OV27
-	P9PP503 (2015)	278007	801921	-	0.00	-	West of existing A9 carriageway (ch. 52,400 to 52,600)	CP/MG1/OV27
-	P9PP504 (2015)	278025	801926	-	0.50	-	West of existing A9 carriageway (ch. 52,400 to 52,600)	CP/MG1/OV27
-	P9PP505 (2015)	278043	801930	-	0.30	-	East of existing A9 carriageway (ch. 51,750 to 52,950)	CP/MG1/OV27
-	P9PP506 (2015)	278066	801936	-	0.20	-	East of existing A9 carriageway (ch. 51,750 to 52,950)	CP/MG1/OV27
-	P9PP507 (2015)	278087	801940	-	0.40	-	West of existing A9 carriageway (ch. 52,400 to 52,600)	CP/MG1/OV27
-	P9PP508 (2015)	278103	801944	-	0.30	-	West of existing A9 carriageway (ch. 52,400 to 52,600)	CP/MG1/OV27
-	P9PP509 (2015)	278094	801966	-	0.40	-	West of existing A9 carriageway (ch. 52,400 to 52,600)	W7/M6c
-	P9PP510 (2015)	278081	801958	-	0.30	-	East of existing A9 carriageway (ch. 51,750 to 52,950)	W7/M6c
-	P9PP511 (2015)	278064	801947	-	0.60	-	East of existing A9 carriageway (ch. 51,750 to 52,950)	W7/M6c
-	P9PP512 (2015)	278045	801937	-	0.50	-	West of existing A9 carriageway (ch. 52,400 to 52,600)	CP/MG1/OV27
-	P9PP513 (2015)	278022	801934	-	0.80	-	West of existing A9 carriageway (ch. 52,400 to 52,600)	W7/M6c
-	P9PP514 (2015)	278002	801931	-	0.00	-	East of existing A9 carriageway (ch. 51,750 to 52,950)	W7/M6c
-	P9PP515 (2015)	277984	801928	-	0.20	-	East of existing A9 carriageway (ch. 51,750 to 52,950)	W7/M6c
-	P9PP516 (2015)	278065	801929	-	0.10	-	West of existing A9 carriageway (ch. 52,400 to 52,600)	CP/MG1/OV27
-	P9PP601 (2015)	278485	801975	-	0.00	-	East of existing A9 carriageway (ch. 52,900 to 53,100)	BP
-	P9PP602 (2015)	278505	801976	-	0.00	-	East of existing A9 carriageway (ch. 52,900 to 53,100)	U4b
-	P9PP603 (2015)	278526	801975	-	0.10	-	East of existing A9 carriageway (ch. 52,900 to 53,100)	U4b
-	P9PP604 (2015)	278548	801978	-	0.00	-	East of existing A9 carriageway (ch. 52,900 to 53,100)	M23b
-	P9PP605 (2015)	278569	801980	-	0.10	-	East of existing A9 carriageway (ch. 52,900 to 53,100)	M23b
-	P9PP606 (2015)	278563	801985	-	0.10	-	East of existing A9 carriageway (ch. 52,900 to 53,100)	M23b
-	P9PP607 (2015)	278622	801990	-	0.00	-	East of existing A9 carriageway (ch. 52,900 to 53,100)	M23b
-	P9PP608 (2015)	278623	801998	-	0.00	-	East of existing A9 carriageway (ch. 52,900 to 53,100)	U4b
-	P9PP609 (2015)	278601	802004	-	0.10	-	East of existing A9 carriageway (ch. 52,900 to 53,100)	BP
-	P9PP610 (2015)	278576	802002	-	0.20	-	East of existing A9 carriageway (ch. 52,900 to 53,100)	BP
-	P9PP611 (2015)	278557	801998	-	0.20	-	East of existing A9 carriageway (ch. 52,900 to 53,100)	BP
-	P9PP612 (2015)	278530	801994	-	0.10	-	East of existing A9 carriageway (ch. 52,900 to 53,100)	U4a
-	P9PP613 (2015)	278589	801992	-	0.30	-	East of existing A9 carriageway (ch. 52,900 to 53,100)	M23b
-	P9PP614 (2015)	278482	801987	-	0.30	-	East of existing A9 carriageway (ch. 52,900 to 53,100)	BP

<b>Equipment</b>	120 cm Van Walt Utility Peat Probe with 92 cm extension rods
<b>GPS Equipment (Accuracy)</b>	Garmin eTrex 12-channel GPS (+/- 6.00 m)
<b>Staff/ Contractor</b>	Raeburn Drilling and Geotechnical Limited (on behalf of CH2M Fairhurst Joint Venture and Transport Scotland)

Table 3: DMRB Stage 3 Peat Survey (CFJV, February to March 2017)

Date	Location ID	Easting	Northing	Ground Level (mAOD)	Probed/ Peat Depth (m)	Groundwater Level (m)	Comments	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
08 March 2017	P09-3-PP0001	269400	795800	-	0.30	-	-	M17c
03 March 2017	P09-3-PP0002	269100	794600	-	0.85	-	-	W7a/W7b/W11d/M15b
03 March 2017	P09-3-PP0003	269127	794741	-	0.15	-	-	M19a
03 March 2017	P09-3-PP0004	269100	794800	-	0.05	-	-	A9
03 March 2017	P09-3-PP0005	269215	794905	-	0.65	-	-	W17
03 March 2017	P09-3-PP0006	269200	795000	-	0.21	-	-	H12a/M15b/SWS/M6a/U4a
03 March 2017	P09-3-PP0007	269200	795100	-	0.05	-	-	H12a/M15b/SWS/M6a/U4a
03 March 2017	P09-3-PP0008	269200	795200	-	0.05	-	-	H12a
10 March 2017	P09-3-PP0009	269200	795300	-	0.05	-	-	A9
10 March 2017	P09-3-PP0010	269200	795400	-	0.05	-	-	W11/U4/W17/U20
10 March 2017	P09-3-PP0011	269200	795500	-	0.08	-	-	CP
10 March 2017	P09-3-PP0012	269300	795500	-	0.07	-	-	H12a
10 March 2017	P09-3-PP0013	269200	795600	-	0.06	-	-	CP
10 March 2017	P09-3-PP0014	269300	795600	-	0.12	-	-	U4a
10 March 2017	P09-3-PP0015	269300	795700	-	0.05	-	-	CP
08 March 2017	P09-3-PP0016	269300	795800	-	0.05	-	-	W17/W11/MG1/U4/H12a
08 March 2017	P09-3-PP0017	269300	795900	-	0.10	-	-	W17/W11/MG1/U4/H12a
08 March 2017	P09-3-PP0018	269400	795900	-	0.10	-	-	H12a
08 March 2017	P09-3-PP0019	269400	796000	-	0.21	-	-	W17/W11/MG1/U4/H12a
08 March 2017	P09-3-PP0020	269500	796000	-	0.10	-	-	H12a/SWS
08 March 2017	P09-3-PP0021	269400	796100	-	0.00	-	Railway	W17/H12a/W11/U4/MG1
08 March 2017	P09-3-PP0022	269500	796100	-	0.10	-	-	H12a/SWS
08 March 2017	P09-3-PP0023	269500	796200	-	0.30	-	-	W17/H12a/W11/U4/MG1
08 March 2017	P09-3-PP0024	269600	796200	-	0.12	-	-	H12a
08 March 2017	P09-3-PP0025	269700	796500	-	0.02	-	-	W17d/W11d/H12a
08 March 2017	P09-3-PP0026	269800	796500	-	0.05	-	-	H12a/SWS
08 March 2017	P09-3-PP0027	270000	796700	-	0.19	-	-	H12a/SWS
08 March 2017	P09-3-PP0028	270100	796800	-	0.21	-	-	H12a/SWS
08 March 2017	P09-3-PP0029	270200	796900	-	0.16	-	-	U5a
08 March 2017	P09-3-PP0030	270300	796900	-	0.76	-	-	M6a
08 March 2017	P09-3-PP0031	270400	797000	-	0.15	-	-	CP
07 March 2017	P09-3-PP0032	270500	797000	-	0.15	-	-	H12a/U4a
07 March 2017	P09-3-PP0033	270600	797000	-	1.15	-	-	M15b
07 March 2017	P09-3-PP0034	270700	797000	-	0.24	-	-	M15b
07 March 2017	P09-3-PP0035	270800	797000	-	0.14	-	-	H12a/SWS
07 March 2017	P09-3-PP0036	270900	797000	-	0.10	-	-	H12a/SWS
07 March 2017	P09-3-PP0037	270700	797100	-	0.11	-	-	H12a/SWS
07 March 2017	P09-3-PP0038	270800	797100	-	0.55	-	-	M15b
07 March 2017	P09-3-PP0039	270900	797100	-	0.37	-	-	M15b
07 March 2017	P09-3-PP0040	270800	797200	-	0.22	-	-	M25a/M15b
07 March 2017	P09-3-PP0041	270900	797200	-	1.18	-	-	M25a/M15b
09 March 2017	P09-3-PP0042	270900	797300	-	0.05	-	-	A9

Date	Location ID	Easting	Northing	Ground Level (mAOD)	Probed/ Peat Depth (m)	Groundwater Level (m)	Comments	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
07 March 2017	P09-3-PP0043	271000	797300	-	0.21	-	-	M25a/M15b
07 March 2017	P09-3-PP0044	271100	797300	-	0.40	-	-	H12a
07 March 2017	P09-3-PP0045	271200	797400	-	0.10	-	-	CP/W17d/U4a
07 March 2017	P09-3-PP0046	271500	797500	-	0.08	-	-	H12a
07 March 2017	P09-3-PP0047	271600	797500	-	0.29	-	-	M15b/M25a/H12a
07 March 2017	P09-3-PP0048	271700	797600	-	0.11	-	-	W4/W11d
07 March 2017	P09-3-PP0049	271800	797600	-	0.11	-	-	W4/W11d
07 March 2017	P09-3-PP0050	271900	797700	-	0.28	-	-	W4/W11d
07 March 2017	P09-3-PP0051	272000	797700	-	0.10	-	-	M15b/M25a/H12a
07 March 2017	P09-3-PP0052	272000	797800	-	0.35	-	-	W4/W11d
07 March 2017	P09-3-PP0053	272100	797800	-	0.38	-	-	H12a/U4a/U2b
10 March 2017	P09-3-PP0054	272100	798000	-	0.05	-	-	W11
10 March 2017	P09-3-PP0055	272200	798000	-	0.05	-	-	W11/W17
10 March 2017	P09-3-PP0056	272300	798100	-	0.10	-	-	U4
10 March 2017	P09-3-PP0057	272400	798100	-	0.05	-	-	W11/W17
09 March 2017	P09-3-PP0058	272600	798100	-	0.06	-	-	H12a/U4a/U2b
10 March 2017	P09-3-PP0059	272500	798200	-	0.15	-	-	MG6
09 March 2017	P09-3-PP0060	272600	798200	-	0.09	-	-	H10/U4/MG1
09 March 2017	P09-3-PP0061	272700	798200	-	0.05	-	-	W17
09 March 2017	P09-3-PP0062	272800	798200	-	0.10	-	-	RW
09 March 2017	P09-3-PP0063	272700	798300	-	0.13	-	-	MG6
09 March 2017	P09-3-PP0064	272800	798300	-	0.10	-	-	H10/U4/MG1
06 March 2017	P09-3-PP0065	274400	798800	-	0.05	-	-	M23a/M6d/U4a/M6a
01 March 2017	P09-3-PP0066	275400	799200	-	0.15	-	-	W11
01 March 2017	P09-3-PP0067	275600	799300	-	0.05	-	-	U4b/U2a/MG1a
01 March 2017	P09-3-PP0068	275700	799400	-	0.12	-	-	U4b
01 March 2017	P09-3-PP0069	275800	799500	-	0.20	-	-	U4b
01 March 2017	P09-3-PP0070	275900	799600	-	0.34	-	-	U4b
01 March 2017	P09-3-PP0071	276000	799700	-	0.05	-	-	W6/CP
01 March 2017	P09-3-PP0072	276100	799700	-	0.08	-	-	U4b/M23a
01 March 2017	P09-3-PP0073	276100	799830	-	0.05	-	-	W6e
01 March 2017	P09-3-PP0074	276200	799800	-	0.10	-	-	U4b/MG9a/MG10a/M23a/S9a
01 March 2017	P09-3-PP0075	276200	799900	-	0.09	-	-	U4b/SWS/MG1b
01 March 2017	P09-3-PP0076	276300	799900	-	0.83	-	-	U4b/MG9a/MG10a/M23a/S9a
01 March 2017	P09-3-PP0077	276200	800000	-	0.38	-	-	S10/S9a
01 March 2017	P09-3-PP0078	276300	800000	-	0.06	-	-	U4b/MG9a/MG10a/M23a/S9a
01 March 2017	P09-3-PP0079	276322	800193	-	0.05	-	-	U4/MG1/OV27
01 March 2017	P09-3-PP0080	276400	800100	-	2.62	-	-	U4b/MG9a/MG10a/M23a/S9a
01 March 2017	P09-3-PP0081	276400	800200	-	0.25	-	-	U4b
01 March 2017	P09-3-PP0082	276400	800300	-	0.10	-	-	U4b/U2a/SWS/MG1a
01 March 2017	P09-3-PP0083	276500	800300	-	0.10	-	-	U4b/MG9a/MG10a/M23a/S9a
01 March 2017	P09-3-PP0084	276400	800400	-	0.09	-	-	W6e/U4/W23
01 March 2017	P09-3-PP0085	276500	800400	-	0.08	-	-	U4b

Date	Location ID	Easting	Northing	Ground Level (mAOD)	Probed/ Peat Depth (m)	Groundwater Level (m)	Comments	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
06 March 2017	P09-3-PP0086	276500	800600	-	0.26	-	-	U4b
06 March 2017	P09-3-PP0087	276633	800625	-	0.54	-	-	MG10a/U4b
28 February 2017	P09-3-PP0088	276500	800700	-	0.28	-	-	MG6
06 March 2017	P09-3-PP0089	276600	800700	-	0.09	-	-	U4b
06 March 2017	P09-3-PP0090	276600	800800	-	0.04	-	-	U4b
28 February 2017	P09-3-PP0091	276500	800900	-	0.29	-	-	W7
28 February 2017	P09-3-PP0092	276700	800900	-	0.35	-	-	U4b/MG1a/OV25
28 February 2017	P09-3-PP0093	276900	801200	-	0.29	-	-	U4b
28 February 2017	P09-3-PP0094	277248	801584	-	0.28	-	-	M15b/M6d
28 February 2017	P09-3-PP0095	277300	801700	-	0.05	-	-	U4a
28 February 2017	P09-3-PP0096	277400	801700	-	0.36	-	-	U4a
28 February 2017	P09-3-PP0097	277500	801700	-	0.78	-	-	M23a/S9a/MG9a
28 February 2017	P09-3-PP0098	277700	801800	-	0.26	-	-	M25c
28 February 2017	P09-3-PP0099	277800	801800	-	0.32	-	-	MG7b
02 March 2017	P09-3-PP0100	278000	801900	-	0.36	-	-	A9
02 March 2017	P09-3-PP0101	278076	801975	-	0.41	-	-	W7/M6c
02 March 2017	P09-3-PP0102	278200	802000	-	0.05	-	-	U4b
02 March 2017	P09-3-PP0103	278500	802000	-	0.15	-	-	U4a
02 March 2017	P09-3-PP0104	278600	802000	-	0.40	-	-	BP
27 February 2017	P09-3-PP0105	279345	802440	-	1.68	-	Bog	M27a
27 February 2017	P09-3-PP0106	279500	802600	-	1.91	-	Bog	W11d/W11c/W3/U4b/MG1/W4
02 March 2017	P09-3-PP0107	279600	802700	-	0.05	-	-	BD
02 March 2017	P09-3-PP0108	279700	802800	-	0.05	-	-	U4b
02 March 2017	P09-3-PP0109	280100	803100	-	0.05	-	-	W11c/W11d/U4b
02 March 2017	P09-3-PP0110	280400	803200	-	0.04	-	-	W11c/W11d/U4b
02 March 2017	P09-3-PP0111	280606	803273	-	0.69	-	-	S9a/S9b/M5/M27a
03 March 2017	P09-3-PP0112	269137	795118	-	0.07	-	-	W11/U4/MG1/U20/W17
03 March 2017	P09-3-PP0113	269181	795215	-	0.10	-	-	W11/U4/W17/U20
01 March 2017	P09-3-PP0114	276460	800394	-	0.05	-	-	U4b
01 March 2017	P09-3-PP0115	276488	800486	-	0.05	-	-	U4b
06 March 2017	P09-3-PP0116	276620	800534	-	0.28	-	-	U4b
03 March 2017	P09-3-PP0117	268900	793900	-	0.05	-	-	-
03 March 2017	P09-3-PP0118	269000	793900	-	0.10	-	-	-
03 March 2017	P09-3-PP0119	268900	794000	-	0.05	-	-	-
03 March 2017	P09-3-PP0120	269000	794000	-	0.55	-	-	-
03 March 2017	P09-3-PP0121	269100	794000	-	0.41	-	-	-
03 March 2017	P09-3-PP0122	269016	794116	-	0.71	-	-	-
03 March 2017	P09-3-PP0123	269100	794100	-	0.45	-	-	-
03 March 2017	P09-3-PP0124	269200	794100	-	0.20	-	-	-
03 March 2017	P09-3-PP0125	269000	794184	-	0.61	-	-	-
03 March 2017	P09-3-PP0126	269200	794200	-	0.17	-	-	-
03 March 2017	P09-3-PP0127	269300	794200	-	1.45	-	-	-
03 March 2017	P09-3-PP0128	269000	794300	-	0.05	-	-	-



Date	Location ID	Easting	Northing	Ground Level (mAOD)	Probed/ Peat Depth (m)	Groundwater Level (m)	Comments	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
03 March 2017	P09-3-PP0129	269200	794300	-	0.27	-	-	-
03 March 2017	P09-3-PP0130	269300	794300	-	0.28	-	-	-
03 March 2017	P09-3-PP0131	269000	794400	-	0.05	-	-	-
03 March 2017	P09-3-PP0132	269140	794400	-	0.47	-	-	U20c
03 March 2017	P09-3-PP0133	269200	794400	-	1.75	-	-	M15b/M19a
03 March 2017	P09-3-PP0134	269300	794400	-	1.05	-	-	-
03 March 2017	P09-3-PP0135	269000	794500	-	0.10	-	-	W11/U4/MG1/U20/W17
03 March 2017	P09-3-PP0136	269100	794500	-	0.41	-	-	M15b/M19a
03 March 2017	P09-3-PP0137	269200	794500	-	0.38	-	-	M15b/M19a
03 March 2017	P09-3-PP0138	269300	794500	-	0.42	-	-	M15b/M19a
03 March 2017	P09-3-PP0139	269200	794600	-	0.87	-	-	M15b/M19a
03 March 2017	P09-3-PP0140	269300	794600	-	0.82	-	-	H12a/CP
03 March 2017	P09-3-PP0141	269200	794700	-	1.05	-	-	M15b/M19a
03 March 2017	P09-3-PP0142	269300	794700	-	0.45	-	-	M25a/M15b
03 March 2017	P09-3-PP0143	269200	794800	-	1.02	-	-	M15b/M19a
03 March 2017	P09-3-PP0144	269300	794800	-	1.82	-	-	M15b/M19a
03 March 2017	P09-3-PP0145	269400	794800	-	0.09	-	-	H12a/CP
03 March 2017	P09-3-PP0146	269300	794900	-	0.35	-	-	M15b/M25a
03 March 2017	P09-3-PP0147	269400	794900	-	0.55	-	-	M15b/M25a
03 March 2017	P09-3-PP0148	269300	795000	-	0.38	-	-	M25a/M15b
03 March 2017	P09-3-PP0149	269400	795000	-	0.72	-	-	M15b/M25a
03 March 2017	P09-3-PP0150	269300	795100	-	0.39	-	-	M15b/M19a
08 March 2017	P09-3-PP0151	269500	795800	-	0.10	-	-	M17a
08 March 2017	P09-3-PP0152	269600	795800	-	0.18	-	-	M17a
08 March 2017	P09-3-PP0153	269700	795800	-	0.62	-	-	M25a/M17a
08 March 2017	P09-3-PP0154	269500	795900	-	0.23	-	-	M17c
08 March 2017	P09-3-PP0155	269600	795900	-	0.14	-	-	M17a
08 March 2017	P09-3-PP0156	269700	795900	-	0.22	-	-	M17a
08 March 2017	P09-3-PP0157	269600	796000	-	0.21	-	-	H12a
08 March 2017	P09-3-PP0158	269700	796000	-	0.34	-	-	M25a/M17a
08 March 2017	P09-3-PP0159	269800	796000	-	0.59	-	-	M15b
08 March 2017	P09-3-PP0160	269600	796100	-	0.14	-	-	CP/H12a
08 March 2017	P09-3-PP0161	269700	796100	-	0.29	-	-	M25a
08 March 2017	P09-3-PP0162	269800	796100	-	0.81	-	-	M15b
08 March 2017	P09-3-PP0163	269900	796100	-	0.34	-	-	H12a/CP
08 March 2017	P09-3-PP0164	269700	796200	-	0.12	-	-	H12a
08 March 2017	P09-3-PP0165	269800	796200	-	1.10	-	-	M15b
08 March 2017	P09-3-PP0166	269900	796200	-	0.19	-	-	H12a/CP
08 March 2017	P09-3-PP0167	270200	796200	-	0.20	-	-	-
08 March 2017	P09-3-PP0168	269800	796300	-	0.88	-	-	M25a
08 March 2017	P09-3-PP0169	269900	796300	-	0.21	-	-	H12a/CP
08 March 2017	P09-3-PP0170	270200	796300	-	0.14	-	-	-
08 March 2017	P09-3-PP0171	269800	796400	-	0.25	-	-	M25a

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08 March 2017	P09-3-PP0172	269900	796400	-	0.41	-	-	H12a/CP
08 March 2017	P09-3-PP0173	270200	796400	-	0.17	-	-	-
08 March 2017	P09-3-PP0174	270300	796400	-	0.09	-	-	-
08 March 2017	P09-3-PP0175	269900	796500	-	0.17	-	-	H12a/SWS
08 March 2017	P09-3-PP0176	270200	796500	-	0.14	-	-	H12a/CP
08 March 2017	P09-3-PP0177	270300	796500	-	0.65	-	-	-
08 March 2017	P09-3-PP0178	270400	796500	-	0.45	-	-	H12a/CP
08 March 2017	P09-3-PP0179	270500	796500	-	0.27	-	-	H12a/CP
08 March 2017	P09-3-PP0180	270100	796600	-	0.15	-	-	H12a/SWS
08 March 2017	P09-3-PP0181	270200	796600	-	2.32	-	-	M17b
08 March 2017	P09-3-PP0182	270300	796600	-	2.29	-	-	M17b
08 March 2017	P09-3-PP0183	270400	796600	-	0.79	-	-	M25a/H12a
08 March 2017	P09-3-PP0184	270500	796600	-	0.35	-	-	U4b
08 March 2017	P09-3-PP0185	270100	796700	-	0.17	-	-	H12a/SWS
08 March 2017	P09-3-PP0186	270200	796700	-	1.74	-	-	M17b
08 March 2017	P09-3-PP0187	270300	796700	-	0.15	-	-	H12a
08 March 2017	P09-3-PP0188	270400	796700	-	0.72	-	-	H12a/M25a/U4a
08 March 2017	P09-3-PP0189	270500	796700	-	0.21	-	-	U4b
08 March 2017	P09-3-PP0190	270200	796800	-	0.12	-	-	H12a
08 March 2017	P09-3-PP0191	270300	796800	-	0.46	-	-	H12a
08 March 2017	P09-3-PP0192	270400	796800	-	0.09	-	-	H12a/U4a
08 March 2017	P09-3-PP0193	270400	796900	-	0.05	-	-	U4a
07 March 2017	P09-3-PP0194	270600	796900	-	0.88	-	-	M15b
07 March 2017	P09-3-PP0195	270700	796900	-	0.16	-	-	U4b
07 March 2017	P09-3-PP0196	271000	797000	-	1.78	-	-	H12a/SWS
07 March 2017	P09-3-PP0197	271100	797000	-	1.75	-	-	H12a/SWS
08 March 2017	P09-3-PP0198	270300	797100	-	0.10	-	-	H12a/W17/U4
08 March 2017	P09-3-PP0199	270400	797100	-	0.10	-	-	U4/W17
07 March 2017	P09-3-PP0200	271000	797100	-	0.08	-	-	H12a/SWS
07 March 2017	P09-3-PP0201	271100	797100	-	0.91	-	-	H12a/SWS
07 March 2017	P09-3-PP0202	271200	797100	-	0.93	-	-	H12a/SWS
07 March 2017	P09-3-PP0203	271300	797100	-	0.89	-	-	H12a/SWS
07 March 2017	P09-3-PP0204	271000	797200	-	0.10	-	-	H12a
07 March 2017	P09-3-PP0205	271100	797200	-	0.05	-	-	H12a
07 March 2017	P09-3-PP0206	271200	797200	-	1.33	-	-	H12a/SWS
07 March 2017	P09-3-PP0207	271300	797200	-	0.51	-	-	H12a/SWS
07 March 2017	P09-3-PP0208	271500	797200	-	1.86	-	-	H12a/SWS
07 March 2017	P09-3-PP0209	271600	797200	-	0.27	-	-	H12a/U4a/U2b
07 March 2017	P09-3-PP0210	271200	797300	-	0.71	-	-	H12a/SWS
07 March 2017	P09-3-PP0211	271500	797300	-	0.32	-	-	H12a/SWS
07 March 2017	P09-3-PP0212	271600	797300	-	0.67	-	-	M15b/M25a/H12a
07 March 2017	P09-3-PP0213	271700	797300	-	0.12	-	-	H12a/U4a/U2b
07 March 2017	P09-3-PP0214	271500	797400	-	0.10	-	-	H12a

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07 March 2017	P09-3-PP0215	271600	797400	-	0.30	-	-	M15b/M25a/H12a
07 March 2017	P09-3-PP0216	271700	797400	-	0.24	-	-	M15b/M25a/H12a
07 March 2017	P09-3-PP0217	271800	797400	-	0.17	-	-	H12a/U4a/U2b
07 March 2017	P09-3-PP0218	271700	797500	-	0.32	-	-	M15b/M25a/H12a
07 March 2017	P09-3-PP0219	271800	797500	-	0.32	-	-	M15b/M25a/H12a
07 March 2017	P09-3-PP0220	271900	797500	-	0.16	-	-	H12a/U4a/U2b
07 March 2017	P09-3-PP0221	271900	797600	-	0.10	-	-	M15b/M25a/H12a
07 March 2017	P09-3-PP0222	272000	797600	-	0.15	-	-	M15b/M25a/H12a
07 March 2017	P09-3-PP0223	272100	797700	-	0.25	-	-	SWS/H12a
07 March 2017	P09-3-PP0224	272200	797800	-	0.31	-	-	W17d
09 March 2017	P09-3-PP0225	272700	797800	-	0.12	-	-	M15b/M6a
09 March 2017	P09-3-PP0226	272700	797900	-	0.41	-	-	M15b/M6a
09 March 2017	P09-3-PP0227	272800	797900	-	0.35	-	-	H12a
09 March 2017	P09-3-PP0228	272900	797900	-	0.05	-	-	H12a/U4a
09 March 2017	P09-3-PP0229	272700	798000	-	0.10	-	-	H12a/U4a/U2b
09 March 2017	P09-3-PP0230	272800	798000	-	0.11	-	-	H12a/U4a
09 March 2017	P09-3-PP0231	272800	798100	-	0.17	-	-	H12a/U4a
09 March 2017	P09-3-PP0232	273200	798300	-	0.32	-	-	S9a/M20/M4/M6c/M17
06 March 2017	P09-3-PP0233	273900	798500	-	0.15	-	-	U4b/MG6
06 March 2017	P09-3-PP0234	274000	798500	-	0.94	-	-	M23a/M6d/U4a/M6a
06 March 2017	P09-3-PP0235	274100	798500	-	0.55	-	-	M23a/M6d/U4a/M6a
06 March 2017	P09-3-PP0236	274200	798500	-	0.44	-	-	M23a/M6d/U4a/M6a
06 March 2017	P09-3-PP0237	274000	798600	-	1.15	-	-	M23a/M6d/U4a/M6a
06 March 2017	P09-3-PP0238	274100	798600	-	0.58	-	-	M23a/M6d/U4a/M6a
06 March 2017	P09-3-PP0239	274200	798600	-	0.40	-	-	M23a/M6d/U4a/M6a
06 March 2017	P09-3-PP0240	274300	798700	-	0.41	-	-	M23a/M6d/U4a/M6a
10 March 2017	P09-3-PP0241	274900	798700	-	0.18	-	-	H12a
10 March 2017	P09-3-PP0242	275000	798700	-	0.12	-	-	-
10 March 2017	P09-3-PP0243	274900	798800	-	0.09	-	-	H12a
10 March 2017	P09-3-PP0244	275000	798800	-	0.11	-	-	M15b/M25a/H12a
10 March 2017	P09-3-PP0245	275100	798800	-	0.11	-	-	H12a
06 March 2017	P09-3-PP0246	274600	799100	-	0.09	-	-	W17/W11/W16
01 March 2017	P09-3-PP0247	274800	799100	-	0.20	-	-	U4/H10
28 February 2017	P09-3-PP0248	276264	800504	-	0.05	-	-	W6b
28 February 2017	P09-3-PP0249	276300	800537	-	0.15	-	-	W6b
28 February 2017	P09-3-PP0250	276200	800600	-	0.10	-	-	BG/BD
28 February 2017	P09-3-PP0251	276300	800600	-	0.32	-	-	BG/BD
28 February 2017	P09-3-PP0252	276400	800800	-	0.73	-	-	U4/M23a/OV27/W6/OV25/MG1
28 February 2017	P09-3-PP0253	276500	800800	-	0.10	-	-	U4/M23a/OV27/W6/OV25/MG1
28 February 2017	P09-3-PP0254	276400	800900	-	0.38	-	-	U4/M23a/OV27/W6/OV25/MG1
28 February 2017	P09-3-PP0255	277000	801200	-	0.17	-	-	U4b
28 February 2017	P09-3-PP0256	277000	801300	-	0.11	-	-	U4b
28 February 2017	P09-3-PP0257	277100	801300	-	0.37	-	-	M6d/M15b

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28 February 2017	P09-3-PP0258	277200	801300	-	0.05	-	-	U4b
28 February 2017	P09-3-PP0259	277300	801300	-	0.05	-	-	-
28 February 2017	P09-3-PP0260	277400	801300	-	-	-	Flooded	-
28 February 2017	P09-3-PP0261	277100	801400	-	0.19	-	-	M23b
28 February 2017	P09-3-PP0262	277214	801378	-	0.39	-	-	M6d/M15b
28 February 2017	P09-3-PP0263	277300	801400	-	1.37	-	-	M15b/M6d
28 February 2017	P09-3-PP0264	277400	801400	-	2.40	-	-	M25a/S9a/M6c
28 February 2017	P09-3-PP0265	277500	801400	-	-	-	Flooded	S9a/M25a/M25c/M6a
28 February 2017	P09-3-PP0266	277574	801329	-	0.29	-	-	-
28 February 2017	P09-3-PP0267	277100	801500	-	0.05	-	-	U4b
28 February 2017	P09-3-PP0268	277200	801500	-	0.10	-	-	M25a/M15b
28 February 2017	P09-3-PP0269	277300	801500	-	0.18	-	-	M15b/M6d
28 February 2017	P09-3-PP0270	277400	801500	-	1.10	-	-	M6a/M25a
28 February 2017	P09-3-PP0271	277500	801500	-	-	-	Flooded	M25a/M6a/M25c
28 February 2017	P09-3-PP0272	277600	801500	-	-	-	Flooded	S9a/M25a/M25c/M6a
28 February 2017	P09-3-PP0273	277700	801500	-	2.07	-	-	S9a/M25a/M25c/M6a
28 February 2017	P09-3-PP0274	277729	801456	-	1.45	-	-	S9a/M25a/M25c/M6a
10 March 2017	P09-3-PP0275	276800	801600	-	0.10	-	-	BD
28 February 2017	P09-3-PP0276	277300	801600	-	0.12	-	-	M15b/M6d
28 February 2017	P09-3-PP0277	277400	801600	-	0.81	-	-	M6a/M25a
28 February 2017	P09-3-PP0278	277500	801600	-	1.85	-	-	M6a/M25a
28 February 2017	P09-3-PP0279	277528	801577	-	1.47	-	-	M25a/M6a/M25c
28 February 2017	P09-3-PP0280	277700	801600	-	2.43	-	-	M23a/S9a
28 February 2017	P09-3-PP0281	277800	801600	-	0.30	-	-	MG7b
28 February 2017	P09-3-PP0282	278000	801600	-	0.10	-	-	RTP
28 February 2017	P09-3-PP0283	277600	801700	-	0.26	-	-	W3
28 February 2017	P09-3-PP0284	277700	801700	-	1.25	-	-	M23a
28 February 2017	P09-3-PP0285	277800	801700	-	0.24	-	-	MG7b
28 February 2017	P09-3-PP0286	278000	801700	-	0.93	-	-	MG7b
28 February 2017	P09-3-PP0287	278034	801697	-	0.65	-	-	S9a/SW/S9b/M23a
28 February 2017	P09-3-PP0288	278190	801714	-	0.68	-	-	M23a
28 February 2017	P09-3-PP0289	278000	801800	-	0.44	-	-	M23a
28 February 2017	P09-3-PP0290	278100	801800	-	0.41	-	-	U4b
02 March 2017	P09-3-PP0291	278416	801790	-	0.22	-	-	W3
02 March 2017	P09-3-PP0292	278400	801900	-	0.16	-	-	BD
02 March 2017	P09-3-PP0293	278500	801857	-	0.10	-	-	BP
02 March 2017	P09-3-PP0294	277988	801946	-	1.00	-	-	W7/M6c
02 March 2017	P09-3-PP0295	278100	802100	-	0.40	-	-	U4a/U5/U20a
02 March 2017	P09-3-PP0296	278200	802100	-	0.36	-	-	CP
02 March 2017	P09-3-PP0297	279770	802717	-	1.16	-	-	S10b/S10a/M27a/W3
02 March 2017	P09-3-PP0298	279800	802800	-	0.07	-	-	W11c/W11d/U4b
02 March 2017	P09-3-PP0299	279900	802800	-	0.50	-	-	S9a/S9b/M5/S4a
02 March 2017	P09-3-PP0300	279994	802902	-	1.02	-	-	M27a/W3/M5

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02 March 2017	P09-3-PP0301	280100	802900	-	-	-	Flooded	S9a/S9b/M5/S4a
02 March 2017	P09-3-PP0302	280000	803000	-	0.06	-	-	W11c/W11d/U4b
02 March 2017	P09-3-PP0303	280100	803018	-	0.98	-	-	M27a/W3/M5
02 March 2017	P09-3-PP0304	280200	803000	-	-	-	Flooded	S9a/S9b/M5/S4a
02 March 2017	P09-3-PP0305	280200	803100	-	1.56	-	-	W3
02 March 2017	P09-3-PP0306	280300	803133	-	1.75	-	-	W3
02 March 2017	P09-3-PP0307	280400	803100	-	-	-	Flooded	S9a/S9b/M5
02 March 2017	P09-3-PP0308	280500	803200	-	-	-	Flooded	S9a/S9b/M5/M27a
02 March 2017	P09-3-PP0309	280700	803300	-	1.10	-	-	W3/S9b
03 March 2017	P09-3-PP0310	268947	793860	-	0.10	-	-	-
08 March 2017	P09-3-PP0311	270165	797071	-	0.09	-	-	RL
08 March 2017	P09-3-PP0312	270249	797126	-	0.10	-	-	W17/W11
28 February 2017	P09-3-PP0313	276156	800459	-	0.87	-	-	U4b
28 February 2017	P09-3-PP0314	276270	800526	-	0.35	-	-	W6b
02 March 2017	P09-3-PP0315	280636	803252	-	-	-	Flooded	S9a/S9b/M5/M27a
02 March 2017	P09-3-PP0316	280553	803196	-	-	-	Flooded	S9a/S9b/M5/M27a
02 March 2017	P09-3-PP0317	280470	803141	-	-	-	Flooded	W3
02 March 2017	P09-3-PP0318	280304	803029	-	-	-	Flooded	S4a/M5/M4/M27
02 March 2017	P09-3-PP0319	280063	802851	-	-	-	Flooded	S9a/S9b/M5/S4a
02 March 2017	P09-3-PP0320	279984	802790	-	-	-	Flooded	S9a/S9b/M5/S4a
02 March 2017	P09-3-PP0321	279904	802729	-	-	-	Flooded	S9a/S9b/M5/S4a
02 March 2017	P09-3-PP0322	278574	801845	-	0.25	-	-	W3
02 March 2017	P09-3-PP0323	278481	801824	-	0.30	-	-	W3
28 February 2017	P09-3-PP0324	278070	801636	-	0.51	-	-	M23a
28 February 2017	P09-3-PP0325	277757	801467	-	0.15	-	-	S9a/M25a/M25c/M6a
28 February 2017	P09-3-PP0326	277667	801423	-	0.09	-	-	W18c
28 February 2017	P09-3-PP0327	277487	801336	-	-	-	Flooded	-
28 February 2017	P09-3-PP0328	277307	801249	-	0.05	-	-	-
10 March 2017	P09-3-PP0329	275052	798737	-	0.09	-	-	-
10 March 2017	P09-3-PP0330	274900	798608	-	0.09	-	-	-
09 March 2017	P09-3-PP0331	272809	797808	-	0.26	-	-	-
07 March 2017	P09-3-PP0332	271504	797133	-	0.34	-	-	-
08 March 2017	P09-3-PP0333	270558	796483	-	0.19	-	-	U4b
08 March 2017	P09-3-PP0334	270470	796436	-	0.20	-	-	H12a/CP
08 March 2017	P09-3-PP0335	270297	796336	-	0.08	-	-	-
08 March 2017	P09-3-PP0336	270247	796249	-	0.05	-	-	-
08 March 2017	P09-3-PP0337	269792	795907	-	0.17	-	-	H12a/CP
08 March 2017	P09-3-PP0338	269677	795743	-	0.88	-	-	M25a/M17a
03 March 2017	P09-3-PP0339	269477	794976	-	1.10	-	-	M15b/M25a
03 March 2017	P09-3-PP0340	269452	794879	-	0.35	-	-	H12a/CP
03 March 2017	P09-3-PP0341	269357	794490	-	0.11	-	-	-
28 February 2017	P09-3-PP0342	278086	801770	-	0.45	-	-	S9a/SW/S9b/M23a
28 February 2017	P09-3-PP0343	276469	800853	-	0.53	-	-	U4/M23a/OV27/W6/OV25/MG1

Date	Location ID	Easting	Northing	Ground Level (mAOD)	Probed/ Peat Depth (m)	Groundwater Level (m)	Comments	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
08 March 2017	P09-3-PP0344	270344	796900	-	0.45	-	-	CP
08 March 2017	P09-3-PP0345	270339	796803	-	0.65	-	-	M6a
08 March 2017	P09-3-PP0346	270369	796748	-	0.22	-	-	M6a
03 March 2017	P09-3-PP0347	269200	793900	-	0.11	-	-	-
03 March 2017	P09-3-PP0348	269200	794000	-	0.10	-	-	-
03 March 2017	P09-3-PP0349	269400	795100	-	0.21	-	-	H12a/CP
08 March 2017	P09-3-PP0350	269200	795700	-	0.05	-	-	W11/W17
08 March 2017	P09-3-PP0351	269900	796000	-	0.15	-	-	H12a/CP
08 March 2017	P09-3-PP0352	270600	796600	-	0.20	-	-	U4b
07 March 2017	P09-3-PP0353	270700	796600	-	1.02	-	-	H12a/SWS
07 March 2017	P09-3-PP0354	270600	796700	-	0.95	-	-	M6a
08 March 2017	P09-3-PP0355	270500	796800	-	0.17	-	-	U4b
07 March 2017	P09-3-PP0356	270700	796800	-	0.12	-	-	U4b
07 March 2017	P09-3-PP0357	271400	797000	-	0.12	-	-	-
07 March 2017	P09-3-PP0358	271400	797100	-	0.31	-	-	H12a/SWS
09 March 2017	P09-3-PP0359	272700	798100	-	0.05	-	-	H12a/U4a/U2b
10 March 2017	P09-3-PP0360	272400	798200	-	0.01	-	-	W11/U4
10 March 2017	P09-3-PP0361	272500	798300	-	0.04	-	-	MG6
09 March 2017	P09-3-PP0362	272600	798300	-	0.09	-	-	MG6
09 March 2017	P09-3-PP0363	272600	798400	-	0.04	-	-	MG7
09 March 2017	P09-3-PP0364	272700	798400	-	0.12	-	-	MG6
06 March 2017	P09-3-PP0365	274539	799103	-	0.26	-	-	W11/W17
01 March 2017	P09-3-PP0366	274900	799200	-	0.27	-	-	U4
01 March 2017	P09-3-PP0367	275000	799200	-	0.34	-	-	U4
01 March 2017	P09-3-PP0368	275100	799200	-	0.56	-	-	W11
01 March 2017	P09-3-PP0369	275200	799200	-	1.32	-	-	W11
01 March 2017	P09-3-PP0370	275300	799200	-	0.69	-	-	U4
01 March 2017	P09-3-PP0371	274700	799300	-	-	-	Hillside	W11/U4/W16
01 March 2017	P09-3-PP0372	274800	799300	-	-	-	Hillside	W11/U4/W16
01 March 2017	P09-3-PP0373	274900	799300	-	-	-	Hillside	U4
01 March 2017	P09-3-PP0374	275412	799366	-	1.85	-	-	U4b
01 March 2017	P09-3-PP0375	275500	799300	-	0.68	-	-	U4
01 March 2017	P09-3-PP0376	275500	799400	-	0.53	-	-	U4b
01 March 2017	P09-3-PP0377	275600	799400	-	0.21	-	-	U4b
01 March 2017	P09-3-PP0378	275600	799500	-	0.28	-	-	U4b
01 March 2017	P09-3-PP0379	275700	799500	-	0.86	-	-	MG9/MG10a/U4b
01 March 2017	P09-3-PP0380	275700	799600	-	1.23	-	-	U4b
01 March 2017	P09-3-PP0381	275800	799600	-	0.62	-	-	U4b
01 March 2017	P09-3-PP0382	275840	799774	-	0.41	-	-	-
01 March 2017	P09-3-PP0383	275900	799700	-	0.52	-	-	W6
01 March 2017	P09-3-PP0384	276200	799700	-	-	-	Bull	U4b/M23a
01 March 2017	P09-3-PP0385	276300	799700	-	0.24	-	-	U4b
01 March 2017	P09-3-PP0386	275900	799800	-	0.59	-	-	-

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01 March 2017	P09-3-PP0387	276000	799800	-	1.18	-	-	U4b
01 March 2017	P09-3-PP0388	276300	799800	-	-	-	Flooded	U4b/MG9a/MG10a/M23a/S9a
01 March 2017	P09-3-PP0389	276400	799800	-	0.10	-	-	MG1a/U4b
01 March 2017	P09-3-PP0390	276500	799800	-	0.12	-	-	S11a/M23b/S9a/M27a
01 March 2017	P09-3-PP0391	275900	799900	-	1.00	-	-	-
01 March 2017	P09-3-PP0392	276000	799900	-	-	-	Island	U4b
01 March 2017	P09-3-PP0393	276100	799900	-	1.60	-	-	U4b
01 March 2017	P09-3-PP0394	276400	799900	-	0.68	-	-	U4b/MG9a/MG10a/M23a/S9a
01 March 2017	P09-3-PP0395	276500	799900	-	-	-	Flooded	M23b/S9a/S11a/MG9a
01 March 2017	P09-3-PP0396	276600	799900	-	1.10	-	-	M23b/S9a/S11a/MG9a
01 March 2017	P09-3-PP0397	276000	800000	-	-	-	Island	-
01 March 2017	P09-3-PP0398	276100	800000	-	0.05	-	-	U4b
01 March 2017	P09-3-PP0399	276400	800000	-	0.31	-	-	U4b/MG9a/MG10a/M23a/S9a
01 March 2017	P09-3-PP0400	276427	799995	-	0.72	-	-	U4b/MG9a/MG10a/M23a/S9a
01 March 2017	P09-3-PP0401	276661	800092	-	1.32	-	-	M23b/S9a/S11a/MG9a
01 March 2017	P09-3-PP0402	276000	800100	-	2.28	-	-	U4b
01 March 2017	P09-3-PP0403	276100	800100	-	0.28	-	-	U4b
01 March 2017	P09-3-PP0404	276200	800100	-	1.53	-	-	U4b
01 March 2017	P09-3-PP0405	276460	800100	-	1.61	-	-	U4b/MG9a/MG10a/M23a/S9a
01 March 2017	P09-3-PP0406	276600	800100	-	-	-	Flooded	U4b/MG9a/MG10a/M23a/S9a
01 March 2017	P09-3-PP0407	276700	800100	-	-	-	Flooded	MG9a/U4b
01 March 2017	P09-3-PP0408	276100	800200	-	1.66	-	-	U4b
01 March 2017	P09-3-PP0409	276220	800177	-	0.52	-	-	U4b
01 March 2017	P09-3-PP0410	276300	800200	-	1.17	-	-	MG9/MG10a
01 March 2017	P09-3-PP0411	276500	800200	-	2.38	-	-	U4b/MG9a/MG10a/M23a/S9a
01 March 2017	P09-3-PP0412	276600	800200	-	-	-	Flooded	U4b/MG9a/MG10a/M23a/S9a
01 March 2017	P09-3-PP0413	276700	800200	-	-	-	Flooded	MG9a/U4b
01 March 2017	P09-3-PP0414	276085	800265	-	0.32	-	-	U4b
01 March 2017	P09-3-PP0415	276200	800300	-	0.16	-	-	U4b
01 March 2017	P09-3-PP0416	276300	800300	-	1.48	-	-	U4b
01 March 2017	P09-3-PP0417	276600	800300	-	0.69	-	-	M23b/S11a/S9a
01 March 2017	P09-3-PP0418	276700	800300	-	0.59	-	-	U4b
28 February 2017	P09-3-PP0419	276188	800400	-	1.79	-	-	RW
28 February 2017	P09-3-PP0420	276300	800400	-	-	-	Flooded	NSA
01 March 2017	P09-3-PP0421	276600	800400	-	2.47	-	-	U4b
01 March 2017	P09-3-PP0422	276700	800400	-	0.95	-	-	U4b
01 March 2017	P09-3-PP0423	276700	800500	-	-	-	Flooded	U4b
01 March 2017	P09-3-PP0424	276400	800600	-	0.58	-	-	MG6
01 March 2017	P09-3-PP0425	276800	800600	-	-	-	Flooded	M23b/MG10a/S9a
28 February 2017	P09-3-PP0426	276329	800668	-	0.30	-	-	MG6
28 February 2017	P09-3-PP0427	276400	800700	-	0.33	-	-	MG6
28 February 2017	P09-3-PP0428	276800	800700	-	-	-	Flooded	U4b
06 March 2017	P09-3-PP0429	276700	800800	-	0.08	-	-	U4b/U4a

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06 March 2017	P09-3-PP0430	276800	800800	-	1.03	-	-	MG10a/M23b
06 March 2017	P09-3-PP0431	276800	800900	-	0.42	-	-	U4b
28 February 2017	P09-3-PP0432	276800	801000	-	0.05	-	-	U4b/U4a/OV25
28 February 2017	P09-3-PP0433	276900	801000	-	0.31	-	-	U4a/M6d
02 March 2017	P09-3-PP0434	278550	801884	-	0.52	-	-	U4b
27 February 2017	P09-3-PP0435	279312	802320	-	0.17	-	-	M27a
27 February 2017	P09-3-PP0436	279400	802400	-	0.58	-	Bog	S10b/S10a/M27a/W3
27 February 2017	P09-3-PP0437	279500	802500	-	-	-	Flooded	S10b/S10a/M27a/W3
27 February 2017	P09-3-PP0438	279600	802600	-	0.94	-	Bog	S10b/S10a/M27a/W3
27 February 2017	P09-3-PP0439	279700	802600	-	3.85	-	Bog	S10b/S10a/M27a/W3
02 March 2017	P09-3-PP0440	279700	802700	-	0.39	-	-	W11d/W11c/W3/U4b/MG1/W4
02 March 2017	P09-3-PP0441	279900	802900	-	0.07	-	-	W11c/W11d/U4b
03 March 2017	P09-3-PP0442	269281	794006	-	0.10	-	-	-
03 March 2017	P09-3-PP0443	269282	793907	-	0.09	-	-	-
03 March 2017	P09-3-PP0444	269247	793851	-	0.12	-	-	-
08 March 2017	P09-3-PP0445	269228	795806	-	-	-	Railway	W17/W11
08 March 2017	P09-3-PP0446	269318	795985	-	-	-	Railway	W17/W11
09 March 2017	P09-3-PP0447	272520	798366	-	0.10	-	-	MG7
06 March 2017	P09-3-PP0448	274542	799134	-	0.41	-	-	W17/W11/W16
01 March 2017	P09-3-PP0449	274731	799374	-	-	-	Flooded	-
01 March 2017	P09-3-PP0450	274823	799366	-	-	-	Flooded	RW
01 March 2017	P09-3-PP0451	274921	799348	-	0.05	-	-	-
01 March 2017	P09-3-PP0452	275002	799289	-	0.08	-	-	RW
01 March 2017	P09-3-PP0453	275423	799406	-	0.76	-	-	U4b
01 March 2017	P09-3-PP0454	275501	799468	-	0.58	-	-	U4b
01 March 2017	P09-3-PP0455	275722	799670	-	1.12	-	-	U4b
01 March 2017	P09-3-PP0456	275840	799830	-	1.20	-	-	-
01 March 2017	P09-3-PP0457	275920	800002	-	0.76	-	-	-
01 March 2017	P09-3-PP0458	276034	800180	-	1.89	-	-	U4b
28 February 2017	P09-3-PP0459	276100	800369	-	0.75	-	-	-
27 February 2017	P09-3-PP0460	279639	802553	-	3.76	-	Bog	S10b/S10a/M27a/W3
27 February 2017	P09-3-PP0461	279580	802495	-	3.77	-	Bog	S10b/S10a/M27a/W3
27 February 2017	P09-3-PP0462	279499	802437	-	1.86	-	-	S10b/S10a/M27a/W3
02 March 2017	P09-3-PP0463	278751	801937	-	0.22	-	-	M23b
02 March 2017	P09-3-PP0464	278665	801885	-	0.25	-	-	RTP
06 March 2017	P09-3-PP0465	276890	800892	-	0.10	-	-	U4b/U4a
06 March 2017	P09-3-PP0466	276871	800794	-	0.98	-	Sandy	RW
01 March 2017	P09-3-PP0467	276856	800695	-	-	-	Flooded	U4b
01 March 2017	P09-3-PP0468	276785	800510	-	-	-	Flooded	MG9a/U4b
01 March 2017	P09-3-PP0469	276780	800417	-	-	-	Flooded	MG9a/U4b
01 March 2017	P09-3-PP0470	276788	800323	-	-	-	Flooded	-
01 March 2017	P09-3-PP0471	276702	800044	-	-	-	Flooded	-
01 March 2017	P09-3-PP0472	276674	799949	-	0.05	-	-	-



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07 March 2017	P09-3-PP0473	271660	797201	-	0.24	-	-	-
07 March 2017	P09-3-PP0474	271472	797038	-	0.22	-	-	-
07 March 2017	P09-3-PP0475	271440	796943	-	0.11	-	-	-
08 March 2017	P09-3-PP0476	269880	795951	-	0.21	-	-	H12a/CP
09 March 2017	P09-3-PP0477	273158	798260	-	0.05	-	-	SW/S10a/S22a
09 March 2017	P09-3-PP0478	273362	798523	-	0.13	-	-	S9/S19/S10
09 March 2017	P09-3-PP0479	273041	798466	-	1.17	-	-	M6d/M23b/M3
06 March 2017	P09-3-PP0480	274018	798426	-	0.36	-	-	M23a/M6d/U4a/M6a
01 March 2017	P09-3-PP0481	274848	799004	-	0.10	-	-	H10/H12a/U4/W11
01 March 2017	P09-3-PP0482	274877	799067	-	0.57	-	-	H10/H12a/U4/W11
01 March 2017	P09-3-PP0483	275011	799108	-	0.05	-	-	S9a/C.las/S10/S19
01 March 2017	P09-3-PP0484	276526	800324	-	0.12	-	-	M23a/S11a
28 February 2017	P09-3-PP0485	277013	801550	-	0.93	-	-	U4b
28 February 2017	P09-3-PP0486	276902	801440	-	0.11	-	-	U4b
28 February 2017	P09-3-PP0487	276841	801363	-	0.08	-	-	U4b
28 February 2017	P09-3-PP0488	277150	801644	-	0.12	-	-	W11d
06 March 2017	P09-3-PP0489	273986	798665	-	0.25	-	-	M23a/M6d/U4a/M6a
06 March 2017	P09-3-PP0490	274327	798788	-	0.56	-	-	M23a/M6d/U4a/M6a
03 March 2017	P09-3-PP0491	269000	794600	-	0.04	-	-	W11/U4/MG1/U20/W17
03 March 2017	P09-3-PP0492	269100	794900	-	0.15	-	-	W11/U4/MG1/U20/W17
08 March 2017	P09-3-PP0493	269600	796300	-	0.04	-	-	A9
08 March 2017	P09-3-PP0494	269700	796300	-	0.15	-	-	CP/H12a
08 March 2017	P09-3-PP0495	269600	796400	-	0.10	-	-	W17/H12a/W11/U4/MG1
08 March 2017	P09-3-PP0496	269700	796400	-	0.17	-	-	H12a
08 March 2017	P09-3-PP0497	269700	796600	-	0.05	-	-	RTP
08 March 2017	P09-3-PP0498	269800	796600	-	0.05	-	-	W17d/W11d/H12a
08 March 2017	P09-3-PP0499	269900	796600	-	0.10	-	-	H12a/SWS
08 March 2017	P09-3-PP0500	269800	796700	-	0.05	-	-	W17/W11/W16/U4/MG1
08 March 2017	P09-3-PP0501	269900	796700	-	0.05	-	-	W17d/W11d/H12a
08 March 2017	P09-3-PP0502	269900	796800	-	0.05	-	-	W17/W11/W16/U4/MG1
08 March 2017	P09-3-PP0503	270000	796800	-	0.05	-	-	H12a/SWS
08 March 2017	P09-3-PP0504	270100	796900	-	0.05	-	-	W11/U4/W17/S9a
08 March 2017	P09-3-PP0505	270300	797000	-	0.10	-	-	W17/H12a
10 March 2017	P09-3-PP0506	270500	797100	-	0.12	-	-	CP
07 March 2017	P09-3-PP0507	270600	797100	-	0.19	-	-	H12a/SWS
10 March 2017	P09-3-PP0508	270600	797200	-	0.10	-	-	CP
09 March 2017	P09-3-PP0509	270700	797200	-	0.05	-	-	CP
10 March 2017	P09-3-PP0510	270700	797300	-	0.12	-	-	CP
09 March 2017	P09-3-PP0511	270800	797300	-	0.10	-	-	CP
10 March 2017	P09-3-PP0512	270800	797400	-	0.09	-	-	CP
10 March 2017	P09-3-PP0513	270900	797400	-	0.11	-	-	CP
09 March 2017	P09-3-PP0514	271000	797400	-	0.10	-	-	CP
09 March 2017	P09-3-PP0515	271100	797400	-	0.05	-	-	CP/W17

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07 March 2017	P09-3-PP0516	271300	797400	-	0.38	-	-	H12a
07 March 2017	P09-3-PP0517	271400	797400	-	0.10	-	-	H12a/SWS
09 March 2017	P09-3-PP0518	271300	797500	-	0.19	-	-	CP/W17
09 March 2017	P09-3-PP0519	271400	797500	-	0.12	-	-	U4b
09 March 2017	P09-3-PP0520	271600	797600	-	0.13	-	-	W11/W17
10 March 2017	P09-3-PP0521	271700	797700	-	0.18	-	-	MG6/U4b
07 March 2017	P09-3-PP0522	271800	797700	-	0.05	-	-	A9
10 March 2017	P09-3-PP0523	271900	797800	-	0.09	-	-	W11/W17
10 March 2017	P09-3-PP0524	272000	797900	-	0.05	-	-	W11/W17
07 March 2017	P09-3-PP0525	272100	797900	-	0.24	-	-	W11d
09 March 2017	P09-3-PP0526	272900	798300	-	0.05	-	-	U4a/H12a
09 March 2017	P09-3-PP0527	273000	798300	-	0.05	-	-	H12a/U4b
09 March 2017	P09-3-PP0528	273100	798300	-	0.06	-	-	H12a/U4b
09 March 2017	P09-3-PP0529	273000	798400	-	0.10	-	-	U4/CG10a
09 March 2017	P09-3-PP0530	273100	798400	-	0.05	-	-	H10/U4
09 March 2017	P09-3-PP0531	273200	798400	-	0.03	-	-	U4b
09 March 2017	P09-3-PP0532	273300	798400	-	0.05	-	-	W11d
09 March 2017	P09-3-PP0533	273300	798500	-	0.21	-	-	U4b/U4a/H10d/CG10a
09 March 2017	P09-3-PP0534	273400	798500	-	0.05	-	-	H10a/U2a
09 March 2017	P09-3-PP0535	273500	798500	-	0.04	-	-	U4b/MG6
09 March 2017	P09-3-PP0536	273600	798500	-	0.10	-	-	U4b/MG6
09 March 2017	P09-3-PP0537	273600	798600	-	0.05	-	-	MG7/U4b
06 March 2017	P09-3-PP0538	273700	798600	-	0.02	-	-	A9
06 March 2017	P09-3-PP0539	273800	798600	-	0.18	-	-	U4b/MG6
06 March 2017	P09-3-PP0540	273900	798600	-	0.80	-	-	M23a/M6d/U4a/M6a
06 March 2017	P09-3-PP0541	273800	798700	-	0.05	-	-	MG7/U4b
06 March 2017	P09-3-PP0542	273900	798700	-	0.05	-	-	H10a/U2a
06 March 2017	P09-3-PP0543	274000	798700	-	0.10	-	-	U4a/U2a/U4b/H12a
06 March 2017	P09-3-PP0544	274100	798700	-	1.25	-	-	M23a/M6d/U4a/M6a
06 March 2017	P09-3-PP0545	274200	798700	-	0.60	-	-	M23a/M6d/U4a/M6a
06 March 2017	P09-3-PP0546	274100	798800	-	0.06	-	-	U1b/CG10a
06 March 2017	P09-3-PP0547	274200	798800	-	0.02	-	-	U4b/U2a/H10a/W23
06 March 2017	P09-3-PP0548	274300	798800	-	0.18	-	-	U4a/U2a/U4b/H12a
06 March 2017	P09-3-PP0549	274300	798900	-	0.05	-	-	H10a/U4a/H10d/CG10a
06 March 2017	P09-3-PP0550	274400	798900	-	0.05	-	-	OV25/MG6/U4
06 March 2017	P09-3-PP0551	274504	798876	-	0.05	-	-	H12a
06 March 2017	P09-3-PP0552	274600	798900	-	0.05	-	-	W17d/U4b
06 March 2017	P09-3-PP0553	274700	798900	-	0.05	-	-	H12a
06 March 2017	P09-3-PP0554	274800	798900	-	0.10	-	-	H12a
06 March 2017	P09-3-PP0555	274700	799000	-	0.15	-	-	CP
01 March 2017	P09-3-PP0556	274800	799000	-	0.12	-	-	H10/H12a/U4/W11
01 March 2017	P09-3-PP0557	274900	799000	-	0.05	-	-	H10/H12a/U4/W11
10 March 2017	P09-3-PP0558	275000	799000	-	0.04	-	-	W11d

Date	Location ID	Easting	Northing	Ground Level (mAOD)	Probed/ Peat Depth (m)	Groundwater Level (m)	Comments	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
10 March 2017	P09-3-PP0559	275100	799000	-	0.03	-	-	H12a
10 March 2017	P09-3-PP0560	275200	799000	-	0.10	-	-	H12a/SWS
01 March 2017	P09-3-PP0561	275200	799125	-	0.64	-	-	U4
10 March 2017	P09-3-PP0562	275300	799100	-	0.05	-	-	U4a/U2a
10 March 2017	P09-3-PP0563	275400	799100	-	0.14	-	-	W11d
28 February 2017	P09-3-PP0564	276600	800900	-	0.05	-	-	U4b/U4a/OV25
28 February 2017	P09-3-PP0565	276500	801000	-	0.15	-	-	CP
28 February 2017	P09-3-PP0566	276579	800994	-	0.10	-	-	W11
28 February 2017	P09-3-PP0567	276700	801000	-	0.05	-	-	U4b/U4a/OV25
28 February 2017	P09-3-PP0568	276700	801100	-	0.05	-	-	U4b
28 February 2017	P09-3-PP0569	276845	801104	-	0.52	-	-	U4a/M6d
28 February 2017	P09-3-PP0570	276700	801200	-	0.05	-	-	U4b
28 February 2017	P09-3-PP0571	276800	801200	-	0.20	-	-	U4b
28 February 2017	P09-3-PP0572	276800	801300	-	0.04	-	-	U4b
28 February 2017	P09-3-PP0573	276900	801300	-	0.05	-	-	U4b
28 February 2017	P09-3-PP0574	276800	801400	-	0.22	-	-	U4b/MG1a/U20a
28 February 2017	P09-3-PP0575	276900	801400	-	0.09	-	-	U4b
28 February 2017	P09-3-PP0576	277000	801500	-	0.08	-	-	U4b
28 February 2017	P09-3-PP0577	277000	801600	-	0.10	-	-	A9
28 February 2017	P09-3-PP0578	277100	801600	-	0.18	-	-	W11d
10 March 2017	P09-3-PP0579	277100	801700	-	0.13	-	-	MG7
28 February 2017	P09-3-PP0580	277200	801700	-	0.09	-	-	U4b/MG1
10 February 2017	P09-3-PP0581	277300	801800	-	0.15	-	-	W10/W11
28 February 2017	P09-3-PP0582	277500	801800	-	0.04	-	-	W11
28 February 2017	P09-3-PP0583	277600	801800	-	0.10	-	-	A9
10 March 2017	P09-3-PP0584	277700	801900	-	0.14	-	-	MG7/U20a
10 March 2017	P09-3-PP0585	277800	801900	-	0.13	-	-	MG7/U20a
10 March 2017	P09-3-PP0586	277900	801900	-	0.05	-	-	CP/MG1/OV27
02 March 2017	P09-3-PP0587	278100	801900	-	0.49	-	-	CP/U4b/U20a/U2b
02 March 2017	P09-3-PP0588	278200	801900	-	0.34	-	-	CP/U4b/U20a/U2b
02 March 2017	P09-3-PP0589	278281	801909	-	0.05	-	-	CP
02 March 2017	P09-3-PP0590	278300	802000	-	0.11	-	-	RTP
02 March 2017	P09-3-PP0591	278400	802000	-	0.32	-	-	RTP
02 March 2017	P09-3-PP0592	278700	802000	-	0.12	-	-	BP
02 March 2017	P09-3-PP0593	278600	802100	-	0.30	-	-	MG7/MG6
02 March 2017	P09-3-PP0594	278700	802100	-	0.05	-	-	MG7/MG6
02 March 2017	P09-3-PP0595	278800	802100	-	0.05	-	-	U4b/MG1
02 March 2017	P09-3-PP0596	278900	802200	-	0.11	-	-	MG7
02 March 2017	P09-3-PP0597	278900	802100	-	0.18	-	-	U4b
02 March 2017	P09-3-PP0598	278993	802154	-	0.10	-	-	U4b
27 February 2017	P09-3-PP0599	279100	802200	-	0.93	-	-	MG7b
02 March 2017	P09-3-PP0600	279100	802300	-	0.10	-	-	MG10a
02 March 2017	P09-3-PP0601	279200	802300	-	0.20	-	-	MG7b/SWS

Date	Location ID	Easting	Northing	Ground Level (mAOD)	Probed/ Peat Depth (m)	Groundwater Level (m)	Comments	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
02 March 2017	P09-3-PP0602	279200	802400	-	0.38	-	-	MG7
27 February 2017	P09-3-PP0603	279300	802400	-	0.63	-	-	MG9a/MG9b
02 March 2017	P09-3-PP0604	279300	802500	-	0.21	-	-	MG10a
02 March 2017	P09-3-PP0605	279400	802600	-	0.05	-	-	MG7
02 March 2017	P09-3-PP0606	279500	802700	-	0.33	-	-	MG10a
02 March 2017	P09-3-PP0607	279600	802800	-	0.28	-	-	MG7
02 March 2017	P09-3-PP0608	279700	802900	-	0.22	-	-	MG6/MG1
02 March 2017	P09-3-PP0609	279800	802900	-	0.05	-	-	U4b
02 March 2017	P09-3-PP0610	279800	803000	-	0.23	-	-	MG6/MG1
02 March 2017	P09-3-PP0611	279900	803000	-	0.05	-	-	A9
02 March 2017	P09-3-PP0612	279900	803100	-	0.04	-	-	MG6/MG1
02 March 2017	P09-3-PP0613	280000	803100	-	0.08	-	-	OV27/MG1
02 March 2017	P09-3-PP0614	280100	803200	-	0.28	-	-	MG6/MG1
02 March 2017	P09-3-PP0615	280200	803218	-	0.19	-	-	W11/W17
02 March 2017	P09-3-PP0616	280300	803200	-	0.10	-	-	W11c/W11d/U4b
02 March 2017	P09-3-PP0617	280300	803300	-	0.32	-	-	MG6/MG1
02 March 2017	P09-3-PP0618	280400	803300	-	0.41	-	-	W11/W17
02 March 2017	P09-3-PP0619	280500	803300	-	0.05	-	-	W11c/W11d/U4b
02 March 2017	P09-3-PP0620	280558	803360	-	0.31	-	-	W11/W17
02 March 2017	P09-3-PP0621	280600	803400	-	0.05	-	-	RTP
02 March 2017	P09-3-PP0622	280700	803450	-	0.08	-	-	W11/W17
02 March 2017	P09-3-PP0623	280806	803384	-	0.78	-	-	W3/S9b
02 March 2017	P09-3-PP0624	280800	803500	-	0.04	-	-	MG9b
02 March 2017	P09-3-PP0625	280900	803500	-	0.09	-	-	W11c/W11d/U4b
02 March 2017	P09-3-PP0626	280900	803550	-	0.07	-	-	W11/W17
02 March 2017	P09-3-PP0627	281000	803615	-	0.38	-	-	W11/W17
02 March 2017	P09-3-PP0628	281100	803587	-	0.30	-	-	W3/S9b
02 March 2017	P09-3-PP0629	281100	803700	-	0.14	-	-	W11/W17
02 March 2017	P09-3-PP0630	281200	803700	-	0.09	-	-	BD
02 March 2017	P09-3-PP0631	281167	803800	-	0.08	-	-	W11/U20/W19/U4/H10
02 March 2017	P09-3-PP0632	281300	803800	-	0.39	-	-	W11c
02 March 2017	P09-3-PP0633	281300	803900	-	0.10	-	-	W11/W17/U20
02 March 2017	P09-3-PP0634	281400	803900	-	0.05	-	-	W11c
02 March 2017	P09-3-PP0635	281400	804000	-	0.05	-	-	W11/W17/U20
02 March 2017	P09-3-PP0636	281500	804000	-	0.05	-	-	A9
03 March 2017	P09-3-PP0637	269116	795021	-	0.05	-	-	W11/U4/MG1/U20/W17
08 March 2017	P09-3-PP0638	269468	796245	-	-	-	Railway	W11/W17
02 March 2017	P09-3-PP0639	281511	804053	-	0.04	-	-	W6
02 March 2017	P09-3-PP0640	281578	803978	-	-	-	-	S4a
02 March 2017	P09-3-PP0641	281513	803916	-	0.42	-	-	S4a
02 March 2017	P09-3-PP0642	281434	803855	-	0.60	-	-	S4a
02 March 2017	P09-3-PP0643	281354	803794	-	0.57	-	-	W3
02 March 2017	P09-3-PP0644	281276	803726	-	0.10	-	-	W3

Date	Location ID	Easting	Northing	Ground Level (mAOD)	Probed/ Peat Depth (m)	Groundwater Level (m)	Comments	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
02 March 2017	P09-3-PP0645	281037	803551	-	0.05	-	-	RTP
02 March 2017	P09-3-PP0646	280958	803490	-	0.25	-	-	RTP
02 March 2017	P09-3-PP0647	280880	803417	-	0.26	-	-	RL
27 February 2017	P09-3-PP0648	279340	802432	-	1.36	-	Bog	M27a
27 February 2017	P09-3-PP0649	279450	802409	-	2.35	-	Bog	S10b/S10a/M27a/W3
27 February 2017	P09-3-PP0650	279442	802432	-	1.91	-	Bog	S10b/S10a/M27a/W3
27 February 2017	P09-3-PP0651	279440	802468	-	2.36	-	Bog	S10b/S10a/M27a/W3
27 February 2017	P09-3-PP0652	279453	802498	-	0.71	-	Bog	S10b/S10a/M27a/W3
27 February 2017	P09-3-PP0653	279705	802586	-	2.50	-	Bog	S10b/S10a/M27a/W3
28 February 2017	P09-3-PP0654	276297	800487	-	0.28	-	-	W6b
28 February 2017	P09-3-PP0655	276134	800437	-	0.56	-	-	U4b
28 February 2017	P09-3-PP0656	276236	800464	-	2.75	-	-	U4b
28 February 2017	P09-3-PP0657	276185	800451	-	0.65	-	-	U4b
28 February 2017	P09-3-PP0658	276129	800480	-	0.32	-	-	U4b
28 February 2017	P09-3-PP0659	276473	800813	-	0.24	-	-	U4/M23a/OV27/W6/OV25/MG1
28 February 2017	P09-3-PP0660	276833	801124	-	0.82	-	-	W7a
28 February 2017	P09-3-PP0661	277188	801278	-	0.58	-	-	U4b
28 February 2017	P09-3-PP0662	277441	801375	-	1.98	-	-	M25a/S9a/M6c
28 February 2017	P09-3-PP0663	277480	801300	-	2.05	-	-	-
28 February 2017	P09-3-PP0664	277419	801380	-	2.19	-	-	M25a/S9a/M6c
28 February 2017	P09-3-PP0665	277397	801344	-	2.17	-	-	M25a/S9a/M6c
28 February 2017	P09-3-PP0666	277406	801263	-	0.48	-	-	-
28 February 2017	P09-3-PP0667	277318	801352	-	1.29	-	-	M15b/M6d
28 February 2017	P09-3-PP0668	277287	801367	-	0.81	-	-	M15b/M6d
28 February 2017	P09-3-PP0669	277279	801379	-	0.05	-	-	M6d/M15b
28 February 2017	P09-3-PP0670	277208	801449	-	0.35	-	-	M25a
28 February 2017	P09-3-PP0671	277614	801638	-	1.76	-	-	M23a/S9a
01 March 2017	P09-3-PP0672	277587	801692	-	1.21	-	-	W3
01 March 2017	P09-3-PP0673	277710	801784	-	0.55	-	-	M23a
01 March 2017	P09-3-PP0674	277894	801574	-	0.02	-	-	MG7b
01 March 2017	P09-3-PP0675	278129	802054	-	0.42	-	-	M15a/M17a
01 March 2017	P09-3-PP0676	279010	802219	-	0.04	-	-	U4b/MG1
01 March 2017	P09-3-PP0677	277597	801682	-	0.45	-	-	W3
01 March 2017	P09-3-PP0678	279366	802582	-	0.80	-	-	MG7
01 March 2017	P09-3-PP0679	279366	802575	-	0.40	-	-	MG7
02 March 2017	P09-3-PP0680	279366	802560	-	0.30	-	-	MG7
02 March 2017	P09-3-PP0681	279478	802672	-	0.32	-	-	MG7
02 March 2017	P09-3-PP0682	279879	802783	-	0.56	-	-	S9a/S9b/M5/S4a
02 March 2017	P09-3-PP0683	279903	802791	-	0.05	-	-	S9a/S9b/M5/S4a
02 March 2017	P09-3-PP0684	280182	803049	-	3.76	-	-	M27a/W3/M5
02 March 2017	P09-3-PP0685	280188	803068	-	2.02	-	-	M27a/W3/M5
02 March 2017	P09-3-PP0686	280260	803130	-	0.05	-	-	W3
02 March 2017	P09-3-PP0687	280409	803169	-	0.68	-	-	W3

Date	Location ID	Easting	Northing	Ground Level (mAOD)	Probed/ Peat Depth (m)	Groundwater Level (m)	Comments	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
02 March 2017	P09-3-PP0688	280411	803178	-	0.10	-	-	W3
02 March 2017	P09-3-PP0689	280333	803148	-	1.74	-	-	W3
02 March 2017	P09-3-PP0690	280490	803223	-	1.19	-	-	S9a/S9b/M5/M27a
02 March 2017	P09-3-PP0691	268950	793898	-	1.10	-	-	-
02 March 2017	P09-3-PP0692	268997	793926	-	0.91	-	-	-
02 March 2017	P09-3-PP0693	268998	793969	-	1.68	-	-	-
02 March 2017	P09-3-PP0694	268958	793986	-	0.61	-	-	-
02 March 2017	P09-3-PP0695	269062	794210	-	0.19	-	-	-
03 March 2017	P09-3-PP0696	269108	794522	-	1.38	-	-	M15b/M19a
03 March 2017	P09-3-PP0697	269113	794548	-	0.05	-	-	U20a
03 March 2017	P09-3-PP0698	269145	794754	-	0.71	-	-	W7a/W7b/W11d/M15b
06 March 2017	P09-3-PP0699	276638	800656	-	1.06	-	-	MG10a/U4b
06 March 2017	P09-3-PP0700	276854	800819	-	0.45	-	-	U4b
09 March 2017	P09-3-PP0701	273043	798414	-	0.48	-	-	U4/CG10a
09 March 2017	P09-3-PP0702	273044	798439	-	2.72	-	-	M6d/M23b/M3
08 March 2017	P09-3-PP0703	270334	797082	-	0.92	-	-	M6/W4b
08 March 2017	P09-3-PP0704	270317	797075	-	0.65	-	-	M6/W4b
08 March 2017	P09-3-PP0705	270360	797082	-	0.33	-	-	H12a/W17/U4
08 March 2017	P09-3-PP0706	270327	796833	-	1.20	-	-	M6a
08 March 2017	P09-3-PP0707	270250	796800	-	0.15	-	-	H12a
08 March 2017	P09-3-PP0708	270360	796744	-	1.22	-	-	M6a
08 March 2017	P09-3-PP0709	270352	796711	-	0.17	-	-	H12a
08 March 2017	P09-3-PP0710	270322	796587	-	1.17	-	-	M15b/M25a/M6a
08 March 2017	P09-3-PP0711	270275	796402	-	0.35	-	-	-
08 March 2017	P09-3-PP0712	270294	796622	-	2.41	-	-	H12a
08 March 2017	P09-3-PP0713	270308	796628	-	0.90	-	-	M6a/M6d
08 March 2017	P09-3-PP0714	270307	796605	-	2.91	-	-	M17b
08 March 2017	P09-3-PP0715	270252	796681	-	2.16	-	-	M17b
07 March 2017	P09-3-PP0716	270689	796625	-	1.46	-	-	M6a
07 March 2017	P09-3-PP0717	270710	796629	-	1.41	-	-	M6a
07 March 2017	P09-3-PP0718	270600	796800	-	0.24	-	-	U4b
07 March 2017	P09-3-PP0719	270617	797003	-	0.77	-	-	M15b
07 March 2017	P09-3-PP0720	270724	797020	-	0.87	-	-	M15b
07 March 2017	P09-3-PP0721	270819	797197	-	0.76	-	-	M25a/M15b
07 March 2017	P09-3-PP0722	270874	797223	-	0.41	-	-	M25a/M15b
07 March 2017	P09-3-PP0723	270897	797226	-	0.95	-	-	M25a/M15b
07 March 2017	P09-3-PP0724	271013	797095	-	0.75	-	-	H12a/SWS
07 March 2017	P09-3-PP0725	271245	797094	-	0.85	-	-	H12a/SWS
07 March 2017	P09-3-PP0726	270792	797166	-	0.58	-	-	M25a/M15b
07 March 2017	P09-3-PP0727	271335	797206	-	0.28	-	-	H12a/SWS
07 March 2017	P09-3-PP0728	271465	797379	-	0.47	-	-	H12a/SWS
07 March 2017	P09-3-PP0729	271502	797286	-	0.65	-	-	H12a/SWS
08 March 2017	P09-3-PP0730	269717	795970	-	0.71	-	-	M25a/M17a

<b>Equipment</b>	120 cm Van Walt Utility Peat Probe with 92 cm extension rods, 30mm diameter gouge auger with 1.00m extensions
<b>GPS Equipment (Accuracy)</b>	Garmin eTrex 12-channel GPS (+/- 6.00 to 10.00 m)
<b>Staff/ Contractor</b>	Harry Atkin (CFJV) and Diarmuid O'Sullivan (CFJV)

Table 4: DMRB Stage 3 Supplementary Peat Survey (CFJV, June 2017 and November 2017)

Date	Location ID	Easting	Northing	Ground Level (mAOD)	Probed/ Peat Depth (m)	Groundwater Level (m)	Comments	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
13 June to 15 June 2017	P09-3-PP0731	269146	794662	-	0.28	-	Gravelly	W7a/W7b/W11d/M15b
13 June to 15 June 2017	P09-3-PP0732	269109	794708	-	0.05	-	Made ground	U4a
13 June to 15 June 2017	P09-3-PP0733	269284	794805	-	1.32	-	-	M15b/M19a
13 June to 15 June 2017	P09-3-PP0734	269301	795302	-	0.12	-	-	W17b/H12a
13 June to 15 June 2017	P09-3-PP0735	269302	795407	-	0.05	-	-	W17b/H12a
13 June to 15 June 2017	P09-3-PP0736	269413	795704	-	0.17	-	-	SWS/H12a
13 June to 15 June 2017	P09-3-PP0737	269058	794743	-	0.39	-	-	W11/U4/MG1/U20/W17
13 June to 15 June 2017	P09-3-PP0738	269995	796486	-	0.13	-	-	H12a/CP
13 June to 15 June 2017	P09-3-PP0739	270014	796600	-	0.15	-	-	H12a/SWS
13 June to 15 June 2017	P09-3-PP0740	270329	796844	-	0.94	-	-	M6a
13 June to 15 June 2017	P09-3-PP0741	271173	797430	-	0.14	-	-	CP/W17
13 June to 15 June 2017	P09-3-PP0742	271489	797577	-	0.11	-	-	CP/W17
13 June to 15 June 2017	P09-3-PP0743	272304	798068	-	0.27	-	-	RTP
13 June to 15 June 2017	P09-3-PP0744	272887	798351	-	0.05	-	-	U4/CG10a
13 June to 15 June 2017	P09-3-PP0745	273041	798430	-	1.58	-	-	M6d/M23b/M3
13 June to 15 June 2017	P09-3-PP0746	273068	798438	-	0.05	-	-	U4/CG10a
13 June to 15 June 2017	P09-3-PP0747	273084	798454	-	0.74	-	-	M6d/M23b/M3
13 June to 15 June 2017	P09-3-PP0748	273009	798421	-	0.05	-	-	U4/CG10a
13 June to 15 June 2017	P09-3-PP0749	272987	798448	-	0.05	-	-	U4/CG10a
13 June to 15 June 2017	P09-3-PP0750	273044	798415	-	0.05	-	-	U4/CG10a
13 June to 15 June 2017	P09-3-PP0751	273002	798452	-	1.48	-	-	M6d/M23b/M3
13 June to 15 June 2017	P09-3-PP0752	272982	798468	-	0.05	-	-	M6d/M23b/M3
13 June to 15 June 2017	P09-3-PP0753	273009	798486	-	0.05	-	-	-
13 June to 15 June 2017	P09-3-PP0754	273016	798482	-	2.20	-	No recovery from core	M6d/M23b/M3
13 June to 15 June 2017	P09-3-PP0755	273036	798494	-	0.05	-	-	M6d/M23b/M3
13 June to 15 June 2017	P09-3-PP0756	273055	798496	-	0.05	-	-	M6d/M23b/M3
13 June to 15 June 2017	P09-3-PP0757	273069	798485	-	0.05	-	-	M6d/M23b/M3
13 June to 15 June 2017	P09-3-PP0758	273089	798471	-	0.05	-	-	M6d/M23b/M3
13 June to 15 June 2017	P09-3-PP0759	273086	798462	-	0.72	-	-	M6d/M23b/M3
13 June to 15 June 2017	P09-3-PP0760	273105	798458	-	0.05	-	-	M6d/M23b/M3
13 June to 15 June 2017	P09-3-PP0761	273101	798441	-	0.05	-	-	U4/CG10a
13 June to 15 June 2017	P09-3-PP0762	273079	798444	-	0.05	-	-	U4/CG10a
13 June to 15 June 2017	P09-3-PP0763	273076	798451	-	0.39	-	-	M6d/M23b/M3
13 June to 15 June 2017	P09-3-PP0764	272915	798247	-	0.05	-	-	H12a/U4a
13 June to 15 June 2017	P09-3-PP0765	272425	797993	-	0.10	-	-	U20a/U4a
13 June to 15 June 2017	P09-3-PP0766	272311	797994	-	0.11	-	-	W11d
13 June to 15 June 2017	P09-3-PP0767	272492	798107	-	0.05	-	-	H12a/U4a/U2b
13 June to 15 June 2017	P09-3-PP0768	274333	798823	-	0.02	-	-	H12a
13 June to 15 June 2017	P09-3-PP0769	274373	798836	-	0.02	-	-	H12a
13 June to 15 June 2017	P09-3-PP0770	274353	798831	-	0.05	-	-	H12a
13 June to 15 June 2017	P09-3-PP0771	273996	798746	-	0.07	-	-	U4b/U1b/CG10a/H10a



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13 June to 15 June 2017	P09-3-PP0772	274371	798913	-	0.05	-	-	U4
13 June to 15 June 2017	P09-3-PP0773	274369	798896	-	0.09	-	-	U4
13 June to 15 June 2017	P09-3-PP0774	274367	798869	-	0.05	-	-	W11
13 June to 15 June 2017	P09-3-PP0775	274357	798899	-	0.12	-	-	U4
13 June to 15 June 2017	P09-3-PP0776	274350	798886	-	0.05	-	-	U4
13 June to 15 June 2017	P09-3-PP0777	274348	798863	-	0.05	-	-	W11
13 June to 15 June 2017	P09-3-PP0778	274337	798878	-	0.06	-	-	U4
13 June to 15 June 2017	P09-3-PP0779	274328	798883	-	0.05	-	-	U4
13 June to 15 June 2017	P09-3-PP0780	274326	798851	-	0.04	-	-	W11
13 June to 15 June 2017	P09-3-PP0781	274321	798873	-	0.10	-	-	U4
13 June to 15 June 2017	P09-3-PP0782	274312	798880	-	0.03	-	-	U4
13 June to 15 June 2017	P09-3-PP0783	274307	798868	-	0.05	-	-	U4
13 June to 15 June 2017	P09-3-PP0784	274302	798863	-	0.70	-	Sand silty topsoil	U4
13 June to 15 June 2017	P09-3-PP0785	274297	798867	-	0.05	-	-	U4
13 June to 15 June 2017	P09-3-PP0786	274296	798860	-	0.05	-	-	U4
13 June to 15 June 2017	P09-3-PP0787	274304	798854	-	0.05	-	-	W11
13 June to 15 June 2017	P09-3-PP0788	274287	798855	-	0.05	-	-	U4
13 June to 15 June 2017	P09-3-PP0789	274263	798842	-	0.05	-	-	U4
13 June to 15 June 2017	P09-3-PP0790	274284	798835	-	0.05	-	-	W11
13 June to 15 June 2017	P09-3-PP0791	274239	798821	-	0.02	-	-	W11
13 June to 15 June 2017	P09-3-PP0792	270908	797191	-	0.12	-	-	M15b
13 June to 15 June 2017	P09-3-PP0793	270878	797139	-	0.20	-	-	M15b
13 June to 15 June 2017	P09-3-PP0794	270861	797189	-	0.66	-	-	M25a/M15b
13 June to 15 June 2017	P09-3-PP0795	270766	797216	-	0.05	-	-	CP
13 June to 15 June 2017	P09-3-PP0796	270850	797261	-	0.05	-	-	CP
13 June to 15 June 2017	P09-3-PP0797	270794	797067	-	0.15	-	-	M15b
13 June to 15 June 2017	P09-3-PP0798	270924	797291	-	0.08	-	-	CP
13 June to 15 June 2017	P09-3-PP0799	270958	797245	-	0.10	-	-	M25a/M15b
13 June to 15 June 2017	P09-3-PP0800	270805	797207	-	0.46	-	-	M25a/M15b
13 June to 15 June 2017	P09-3-PP0801	270759	797171	-	0.28	-	-	H12a/SWS
13 June to 15 June 2017	P09-3-PP0802	270726	797187	-	0.05	-	-	CP
13 June to 15 June 2017	P09-3-PP0803	270747	797136	-	0.05	-	-	H12a/SWS
13 June to 15 June 2017	P09-3-PP0804	270770	797118	-	0.10	-	-	H12a/SWS
13 June to 15 June 2017	P09-3-PP0805	270742	797093	-	0.08	-	-	H12a/SWS
13 June to 15 June 2017	P09-3-PP0806	270677	797126	-	0.24	-	-	H12a/SWS
13 June to 15 June 2017	P09-3-PP0807	270940	797174	-	0.14	-	-	H12a
13 June to 15 June 2017	P09-3-PP0808	273418	798465	-	0.05	-	-	U4b
13 June to 15 June 2017	P09-3-PP0809	273430	798432	-	0.05	-	-	W11d
13 June to 15 June 2017	P09-3-PP0810	273728	798556	-	0.10	-	-	U4b/MG6
13 June to 15 June 2017	P09-3-PP0811	273889	798605	-	0.28	-	-	M23a/M6d/U4a/M6a
13 June to 15 June 2017	P09-3-PP0812	273917	798615	-	0.71	-	-	M23a/M6d/U4a/M6a
13 June to 15 June 2017	P09-3-PP0813	273973	798632	-	0.53	-	-	M23a/M6d/U4a/M6a
13 June to 15 June 2017	P09-3-PP0814	276953	801521	-	0.05	-	-	U4b

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13 June to 15 June 2017	P09-3-PP0815	276951	801531	-	0.15	-	-	U4b
13 June to 15 June 2017	P09-3-PP0816	276702	801300	-	0.08	-	-	BP
13 June to 15 June 2017	P09-3-PP0817	275702	799306	-	0.08	-	-	U4b
13 June to 15 June 2017	P09-3-PP0818	275602	799203	-	0.26	-	-	U4b
13 June to 15 June 2017	P09-3-PP0819	275797	799406	-	0.02	-	-	U4b
13 June to 15 June 2017	P09-3-PP0820	275895	799502	-	0.15	-	-	U4b
13 June to 15 June 2017	P09-3-PP0821	275998	799602	-	0.14	-	-	U4b
13 June to 15 June 2017	P09-3-PP0822	274628	798637	-	0.05	-	-	H12a
13 June to 15 June 2017	P09-3-PP0823	274443	798704	-	0.16	-	-	H12a
13 June to 15 June 2017	P09-3-PP0824	274598	798691	-	0.25	-	-	M6a/M25a
13 June to 15 June 2017	P09-3-PP0825	274574	798781	-	0.09	-	-	H12a/U4a
13 June to 15 June 2017	P09-3-PP0826	274463	798779	-	0.12	-	-	H10d
13 June to 15 June 2017	P09-3-PP0827	274541	798872	-	0.05	-	-	H12a
13 June to 15 June 2017	P09-3-PP0828	274448	798833	-	0.05	-	-	H12a
13 June to 15 June 2017	P09-3-PP0829	274718	798738	-	0.14	-	-	CP
13 June to 15 June 2017	P09-3-PP0830	274645	798874	-	0.10	-	-	H12a
13 June to 15 June 2017	P09-3-PP0831	274731	798861	-	0.15	-	-	CP
13 June to 15 June 2017	P09-3-PP0832	274783	798920	-	0.05	-	-	H12a
13 June to 15 June 2017	P09-3-PP0833	274814	798947	-	0.08	-	-	U4a/MG9a
13 June to 15 June 2017	P09-3-PP0834	274881	798965	-	0.01	-	-	H12a
13 June to 15 June 2017	P09-3-PP0835	275005	798987	-	0.13	-	-	H12a
13 June to 15 June 2017	P09-3-PP0836	280499	803350	-	0.25	-	Topsoil	W11/W17
13 June to 15 June 2017	P09-3-PP0837	281042	803665	-	0.17	-	Gravel	W11/W17
13 June to 15 June 2017	P09-3-PP0838	281091	803713	-	0.12	-	Gravel	W11/W17
13 June to 15 June 2017	P09-3-PP0839	278811	802074	-	0.11	-	-	-
13 June to 15 June 2017	P09-3-PP0840	278361	802019	-	0.13	-	-	U1b/U4b
13 June to 15 June 2017	P09-3-PP0841	279138	802342	-	0.20	-	-	MG7
13 June to 15 June 2017	P09-3-PP0842	279252	802453	-	0.27	-	-	MG7
13 June to 15 June 2017	P09-3-PP0843	279338	802568	-	0.73	-	Gravelly	MG7
13 June to 15 June 2017	P09-3-PP0844	279453	802663	-	0.25	-	-	MG10a
13 June to 15 June 2017	P09-3-PP0845	279612	802817	-	0.13	-	-	W9/W10/MG1
13 June to 15 June 2017	P09-3-PP0846	280030	803147	-	0.27	-	-	MG6/MG1
13 June to 15 June 2017	P09-3-PP0847	280188	803236	-	0.29	-	-	MG6/MG1
13 June to 15 June 2017	P09-3-PP0848	279019	802250	-	0.42	-	Topsoil	CP
13 June to 15 June 2017	P09-3-PP0849	278860	802162	-	0.44	-	Soil	MG7
13 June to 15 June 2017	P09-3-PP0850	278785	802130	-	0.42	-	Gravelly topsoil	MG7
13 June to 15 June 2017	P09-3-PP0851	277886	801925	-	0.29	-	-	CP
13 June to 15 June 2017	P09-3-PP0852	277739	801861	-	0.04	-	-	CP/MG1/OV27
13 June to 15 June 2017	P09-3-PP0853	277656	801872	-	0.05	-	-	MG7/U20a
13 June to 15 June 2017	P09-3-PP0854	277587	801856	-	0.10	-	-	W10/W11
13 June to 15 June 2017	P09-3-PP0855	277518	801828	-	0.18	-	-	W10/W11
13 June to 15 June 2017	P09-3-PP0856	277476	801852	-	0.08	-	-	W10/W11
13 June to 15 June 2017	P09-3-PP0857	277474	801834	-	0.74	-	Sphagnum	W10/W11

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13 June to 15 June 2017	P09-3-PP0858	277470	801812	-	0.22	-	-	U20a/U4b
13 June to 15 June 2017	P09-3-PP0859	277448	801810	-	1.20	-	-	U20a/U4b
13 June to 15 June 2017	P09-3-PP0860	277453	801787	-	0.20	-	-	W11
13 June to 15 June 2017	P09-3-PP0861	277417	801794	-	0.38	-	-	U20a/U4b
13 June to 15 June 2017	P09-3-PP0862	277422	801767	-	0.13	-	-	W11
13 June to 15 June 2017	P09-3-PP0863	277378	801782	-	0.31	-	Gravelly	U20a/U4b
13 June to 15 June 2017	P09-3-PP0864	277381	801757	-	0.11	-	-	W11
13 June to 15 June 2017	P09-3-PP0865	277262	801741	-	0.27	-	-	U4a
13 June to 15 June 2017	P09-3-PP0866	277265	801724	-	0.08	-	-	W11
13 June to 15 June 2017	P09-3-PP0867	277226	801714	-	0.07	-	-	U20a
13 June to 15 June 2017	P09-3-PP0868	277493	801785	-	0.05	-	-	W11
13 June to 15 June 2017	P09-3-PP0869	277326	801758	-	0.10	-	-	W10/W11
13 June to 15 June 2017	P09-3-PP0870	277332	801741	-	0.03	-	-	W11
13 June to 15 June 2017	P09-3-PP0871	277337	801782	-	0.47	-	-	W10/W11
13 June to 15 June 2017	P09-3-PP0872	277366	801800	-	0.45	-	-	U20a/U4b
13 June to 15 June 2017	P09-3-PP0873	277402	801816	-	0.10	-	-	W10/W11
13 June to 15 June 2017	P09-3-PP0874	277423	801829	-	0.91	-	-	U20a/U4b
13 June to 15 June 2017	P09-3-PP0875	277434	801821	-	1.05	-	-	U20a/U4b
13 June to 15 June 2017	P09-3-PP0876	277445	801838	-	0.77	-	-	U20a/U4b
13 June to 15 June 2017	P09-3-PP0877	277465	801832	-	0.43	-	-	W10/W11
13 June to 15 June 2017	P09-3-PP0878	277492	801820	-	0.31	-	-	W10/W11
13 June to 15 June 2017	P09-3-PP0879	277502	801812	-	0.08	-	-	W11
13 June to 15 June 2017	P09-3-PP0880	277485	801798	-	0.17	-	-	W11
13 June to 15 June 2017	P09-3-PP0881	277536	801814	-	0.25	-	-	W11
13 June to 15 June 2017	P09-3-PP0882	277555	801804	-	0.06	-	-	W11
13 June to 15 June 2017	P09-3-PP0883	277637	801830	-	0.05	-	-	W11
13 June to 15 June 2017	P09-3-PP0884	269190	794391	-	2.40	-	-	M15b/M19a
13 June to 15 June 2017	P09-3-PP0885	269201	794802	-	0.75	-	-	M15b/M19a
13 June to 15 June 2017	P09-3-PP0886	269399	795898	-	0.10	-	-	H12a
13 June to 15 June 2017	P09-3-PP0887	269801	796192	-	0.85	-	-	M15b
13 June to 15 June 2017	P09-3-PP0888	269799	796309	-	0.69	-	-	M25a
13 June to 15 June 2017	P09-3-PP0889	270202	796603	-	1.59	-	-	M17b
13 June to 15 June 2017	P09-3-PP0890	270339	796837	-	0.54	-	-	H12a/SWS
13 June to 15 June 2017	P09-3-PP0891	273045	798476	-	1.40	-	-	M6d/M23b/M3
13 June to 15 June 2017	P09-3-PP0892	270598	797003	-	1.20	-	-	M15b
13 June to 15 June 2017	P09-3-PP0893	270815	796971	-	0.35	-	-	H12a/SWS
13 June to 15 June 2017	P09-3-PP0894	271207	797211	-	1.15	-	-	H12a/SWS
13 June to 15 June 2017	P09-3-PP0895	271501	797202	-	1.80	-	-	H12a/SWS
13 June to 15 June 2017	P09-3-PP0896	271596	797500	-	0.30	-	-	M15b/M25a/H12a
13 June to 15 June 2017	P09-3-PP0897	270892	797204	-	1.10	-	-	M25a/M15b
13 June to 15 June 2017	P09-3-PP0898	270809	797195	-	0.70	-	-	M25a/M15b
13 June to 15 June 2017	P09-3-PP0899	274101	798701	-	0.55	-	-	M23a/M6d/U4a/M6a
13 June to 15 June 2017	P09-3-PP0900	274001	798594	-	0.91	-	-	M23a/M6d/U4a/M6a

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13 June to 15 June 2017	P09-3-PP0901	273961	798576	-	0.55	-	-	M23a/M6d/U4a/M6a
13 June to 15 June 2017	P09-3-PP0902	278141	801734	-	0.60	-	-	M23a
13 June to 15 June 2017	P09-3-PP0903	278102	801773	-	0.40	-	-	M23a
13 June to 15 June 2017	P09-3-PP0904	278029	801799	-	0.35	-	-	M23a
13 June to 15 June 2017	P09-3-PP0905	278034	801757	-	0.40	-	-	M23a
13 June to 15 June 2017	P09-3-PP0906	278021	801660	-	0.38	-	-	S9a/SW/S9b/M23a
13 June to 15 June 2017	P09-3-PP0907	278161	801667	-	0.34	-	-	S9a/SW/S9b/M23a
13 June to 15 June 2017	P09-3-PP0908	274999	798804	-	0.32	-	-	M15b/M25a/H12a
13 June to 15 June 2017	P09-3-PP0909	274552	798843	-	0.38	-	-	U4b/H12a
20 November to 24 November 2017	P09-3-PP0910	269641	796463	-	0.20	-	Road embankment, no stability risk	W17/W11/W16/U4/MG1
20 November to 24 November 2017	P09-3-PP0911	269244	795692	-	0.40	-	Peaty soil, minimal hazard and risk	W11/W6/CP/U4/MG1
20 November to 24 November 2017	P09-3-PP0912	269752	796444	-	0.60	-	Peaty soil only, quite gravelly fairly flat, protect watercourse	W17d/W11d/H12a
20 November to 24 November 2017	P09-3-PP0913	270213	796883	-	0.60	-	SuDS location	U5a
20 November to 24 November 2017	P09-3-PP0914	274973	799260	-	0.35	-	Very steep slope, little peat, former river cliff	U4
20 November to 24 November 2017	P09-3-PP0915	275136	799183	-	0.00	-	Very steep, high river cliff with active erosion at base	U4
20 November to 24 November 2017	P09-3-PP0916	275198	799178	-	0.15	-	Top of steep slope	W11
20 November to 24 November 2017	P09-3-PP0917	275476	799348	-	0.00	-	Steeper slope within footprint of road	U4b
20 November to 24 November 2017	P09-3-PP0918	275420	799382	-	0.00	-	Probe goes but granular, no peat slide hazard	U4b
20 November to 24 November 2017	P09-3-PP0919	274534	799030	-	1.20	-	Possible spring water at surface near area	W3
20 November to 24 November 2017	P09-3-PP0920	274540	799033	-	1.40	-	-	W3
20 November to 24 November 2017	P09-3-PP0921	274557	799035	-	1.40	-	-	W3
20 November to 24 November 2017	P09-3-PP0922	274559	799046	-	3.00	-	-	W3
20 November to 24 November 2017	P09-3-PP0923	274549	799032	-	0.40	-	Edge of bog	W3
20 November to 24 November 2017	P09-3-PP0924	274534	799028	-	0.20	-	Edge of bog	W3
20 November to 24 November 2017	P09-3-PP0925	274582	799044	-	0.10	-	No peat on slope but in basin below, forestry increasing risk	W3
20 November to 24 November 2017	P09-3-PP0926	280163	803116	-	0.15	-	Over interpolation from marshes	W11c/W11d/U4b
20 November to 24 November 2017	P09-3-PP0927	280124	803060	-	0.20	-	Model picking up embankment	RTP
20 November to 24 November 2017	P09-3-PP0928	279637	802688	-	0.10	-	Embankment, gravelly, no peat	RTP
20 November to 24 November 2017	P09-3-PP0929	279520	802620	-	0.20	-	Embankment slope, gravel.	W11d/W11c/W3/U4b/MG1/W4
20 November to 24 November 2017	P09-3-PP0930	279461	802582	-	0.35	-	Gravel embankment, no peat.	W11d/W11c/W3/U4b/MG1/W4
20 November to 24 November 2017	P09-3-PP0931	279508	802641	-	0.10	-	Gravel embankment and track, no peat.	RTP
20 November to 24 November 2017	P09-3-PP0932	280346	803169	-	0.50	-	Embankment being picked out. Over interpolation of deep peat	W3
20 November to 24 November 2017	P09-3-PP0933	280312	803174	-	0.20	-	Gravel, peat does not extend across road	W11c/W11d/U4b
20 November to 24 November 2017	P09-3-PP0934	280478	803235	-	0.05	-	Gravel next to embankment	W3
20 November to 24 November 2017	P09-3-PP0935	280478	803251	-	0.50	-	On road embankment, extremely sandy, no peat	W11c/W11d/U4b
20 November to 24 November 2017	P09-3-PP0936	280581	803281	-	0.20	-	-	RTP
20 November to 24 November 2017	P09-3-PP0937	270529	796725	-	0.35	-	Drainage line, peat appears shallow	M6a
20 November to 24 November 2017	P09-3-PP0938	270565	796717	-	0.40	-	-	M6a
20 November to 24 November 2017	P09-3-PP0939	273116	798468	-	0.00	-	Exposed granular material, peat at bottom extrapolated	MG6/U4/OV25

<b>Equipment</b>	1.20m Van Walt Utility Peat Probe with 0.92m extension rods, 1.00m Van Walt gouge auger with 1.00m extension rods
<b>GPS Equipment (Accuracy)</b>	Garmin eTrex 12-channel GPS (+/- 6.00 to 10.00 m)
<b>Staff/ Contractor</b>	Jenni McLeod (CFJV), Harry Atkin (CFJV) and Alex Bellis (CFJV)

Table 5: Preliminary Ground Investigation (BAM Ritchies, November 2017 to January 2018) (Boreholes and Trial Pits)

Location ID	Easting	Northing	Depth to Top (m)	Depth to Bottom (m)	Thickness (m)	Basic Peat/ Peaty Soil Description	Groundwater Level (m)	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
BH9-3-100	269181.53	795034.15	0.00	2.50	2.50	Dark brown slightly silty clayey slightly gravelly very sandy PEAT	3.70	H12a/M15b/SWS/M6a/U4a
BH9-3-101	269250.53	795318.78	0.00	0.50	0.50	Dark brown and black slightly gravelly sandy peaty TOPSOIL	DRY	H12a
BH9-3-101A	269247.65	795320.40	-	-	-	-	DRY	H12a
BH9-3-102	269278.17	795480.71	-	-	-	-	19.85	H12a
BH9-3-103	269303.17	795660.46	-	-	-	-	DRY	H12a/SWS
BH9-3-104	269435.89	796332.88	0.00	0.60	0.60	Dark brown sandy pseudo-fibrous PEAT with abundant plant remains and rootlets	4.10	M15b/M17/M25/M3
BH9-3-104A	269432.28	796343.89	0.00	0.40	0.40	Soft brown PEAT	DRY	M15b/M17/M25/M3
BH9-3-105	269607.55	796219.64	-	-	-	-	DRY	H12a
BH9-3-106	274298.25	798860.39	-	-	-	-	DRY	U4
BH9-3-106A	274297.32	798860.08	-	-	-	-	DRY	U4
BH9-3-107	269151.76	794886.72	0.00	0.60	0.60	Dark brown and black gravelly sandy silty pseudo-fibrous PEAT	5.30	H12a/M15b/SWS/M6a/U4a
BH9-3-108	269922.35	796686.91	-	-	-	-	DRY	H12a/SWS
BH9-3-109	270194.44	796893.70	0.00	0.40	0.40	PEAT	0.50	U5a
BH9-3-109	270194.44	796893.70	0.40	1.20	0.80	Dark brown very sandy peaty GRAVEL	0.50	U5a
BH9-3-110	270379.83	796975.59	0.00	0.50	0.50	Heather over brown PEAT	DRY	CP
BH9-3-111	270499.66	797019.04	0.00	0.30	0.30	Soft brown PEAT	DRY	H12a/U4a
BH9-3-112	270601.08	797076.27	-	-	-	-	DRY	H12a/SWS
BH9-3-113	270672.07	797132.47	0.00	1.00	1.00	Black slightly sandy spongy PEAT	DRY	H12a/SWS
BH9-3-114	270814.16	797143.27	0.00	1.20	1.20	Black slightly sandy spongy fibrous PEAT with frequent rootlets	DRY	M25a/M15b
BH9-3-114	270814.16	797143.27	1.20	3.00	1.80	Brown spongy fibrous PEAT with frequent rootlets	0.00	M25a/M15b
BH9-3-115	270779.63	797284.44	0.00	0.20	0.20	Heather over brown PEAT	DRY	CP
BH9-3-116	270818.14	797214.41	0.00	0.80	0.80	Very soft dark brown PEAT with rootlets	DRY	M25a/M15b
BH9-3-117	270797.53	797205.56	0.00	0.70	0.70	Black spongy fibrous PEAT with frequent rootlets	4.50	M25a/M15b
BH9-3-118	270628.17	797419.37	-	-	-	-	DRY	W17/W11
BH9-3-119	270902.17	797259.59	0.00	0.80	0.80	Dark brown gravelly slightly sandy spongy PEAT with frequent roots and vegetation	4.60	CP
BH9-3-120	278535.77	801983.38	1.50	2.50	1.00	Dark brown and black slightly gravelly sandy slightly silty PEAT	DRY	M23b
BH9-3-120A	278535.77	801983.38	0.10	1.50	1.40	Soft dark brown peaty SAND with gravel	DRY	M23b
BH9-3-120A	278535.77	801983.38	1.50	2.50	1.00	Soft brown PEAT	DRY	M23b
BH9-3-121	271084.10	797321.95	0.00	0.20	0.20	Heather over brown PEAT	DRY	H12a
BH9-3-122	271183.58	797368.86	0.00	0.20	0.20	Heather over brown PEAT	DRY	H12a/SWS
BH9-3-122A	271185.10	797368.11	0.00	0.20	0.20	PEAT	2.30	H12a/SWS
BH9-3-123	271324.48	797429.58	0.00	0.20	0.20	Heather over brown PEAT	2.20	H12a
BH9-3-123	271324.48	797429.58	0.20	0.50	0.30	Dark brown slightly gravelly slightly sandy pseudo-fibrous PEAT	0.44	H12a
BH9-3-124	271398.44	797442.81	0.00	0.10	0.10	PEAT	DRY	H12a/SWS
BH9-3-125	271553.88	797517.73	0.00	0.20	0.20	Heather over brown PEAT	DRY	W4/W11d
BH9-3-125A	271551.60	797515.11	-	-	-	-	DRY	M15b/M25a/H12a

Location ID	Easting	Northing	Depth to Top (m)	Depth to Bottom (m)	Thickness (m)	Basic Peat/ Peaty Soil Description	Groundwater Level (m)	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
BH9-3-126	271523.17	797545.13	-	-	-	-	5.70	CPW17
BH9-3-127	281179.56	803849.43	-	-	-	-	DRY	W11/W17/U20
BH9-3-128	271798.47	797627.62	0.00	0.10	0.10	Heather over brown PEAT	2.10	W4W11d
BH9-3-129	271936.84	797725.17	-	-	-	-	DRY	W4W11d
BH9-3-130	272178.06	797872.33	-	-	-	-	5.10	M15b/M25a/H12a
BH9-3-131	272197.79	798019.70	-	-	-	-	DRY	W11/W17
BH9-3-131A	272198.11	798020.10	-	-	-	-	DRY	W11/W17
BH9-3-131B	272199.86	798022.51	-	-	-	-	DRY	W11/W17
BH9-3-132	272275.20	797903.89	-	-	-	-	DRY	H12a/U4a/U2b
BH9-3-133	272297.94	797970.90	-	-	-	-	DRY	H12a/U4a/U2b
BH9-3-134	272712.44	798207.59	-	-	-	-	DRY	W17
BH9-3-135	272793.42	798258.25	-	-	-	-	DRY	H12a/U4a/U2b
BH9-3-135A	272791.23	798259.90	-	-	-	-	DRY	H12a/U4a/U2b
BH9-3-136	272877.30	798286.09	0.30	1.20	0.90	Dark brown very sandy GRAVEL with cobbles present, becoming peaty	DRY	U4a/H12a
BH9-3-137	273182.46	798434.43	-	-	-	-	DRY	MG6/U4/OV25
BH9-3-138	273498.90	798488.76	-	-	-	-	DRY	U4b/MG6
BH9-3-139	273697.02	798645.04	-	-	-	-	DRY	MG7/U4b
BH9-3-140	274276.17	798769.85	0.00	1.80	1.80	Very soft dark brown slightly gravelly sandy spongy fibrous PEAT	1.70	M23a/M6d/U4a/M6a
BH9-3-141	274375.54	798820.98	1.20	1.40	0.20	Dark brown slightly sandy slightly silty spongy and fibrous PEAT	2.00	U4a/U2a/U4b/H12a
BH9-3-142	274406.66	798898.78	-	-	-	-	4.00	OV25/MG6/U4
BH9-3-143	274512.60	798855.49	-	-	-	-	DRY	U4b/H12a
BH9-3-144	275063.95	799055.20	-	-	-	-	DRY	W11/U4
BH9-3-145	275279.93	799040.13	-	-	-	-	DRY	H12a/SWS
BH9-3-146	275462.10	799168.40	-	-	-	-	DRY	U4a/U2a
BH9-3-146A	275463.76	799168.85	-	-	-	-	DRY	U4a/U2a
BH9-3-147	275681.13	799398.02	-	-	-	-	DRY	U4b
BH9-3-147A	275685.29	799399.93	-	-	-	-	DRY	U4b
BH9-3-148	275693.85	799335.77	-	-	-	-	DRY	U4b
BH9-3-150	276259.47	799915.21	-	-	-	-	1.00	U4b/MG9a/MG10a/M23a/S9a
BH9-3-151	276250.86	799998.16	-	-	-	-	DRY	MG1a/SWS
BH9-3-152	276363.19	800139.48	-	-	-	-	1.00	U4b/MG9a/MG10a/M23a/S9a
BH9-3-153	276367.20	800236.90	-	-	-	-	DRY	U4b/U2a/SWS/MG1a
BH9-3-154	277285.00	801679.01	-	-	-	-	1.55	U4b
BH9-3-155	276447.17	800377.47	-	-	-	-	3.00	U4b
BH9-3-156	276447.81	800462.32	-	-	-	-	DRY	U4b
BH9-3-157	276468.08	800452.64	-	-	-	-	DRY	U4b
BH9-3-158	276504.43	800563.99	-	-	-	-	DRY	U4b

Location ID	Easting	Northing	Depth to Top (m)	Depth to Bottom (m)	Thickness (m)	Basic Peat/ Peaty Soil Description	Groundwater Level (m)	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
BH9-3-160	280845.61	803520.90	-	-	-	-	5.50	MG9b
BH9-3-161	276579.05	800798.75	-	-	-	-	DRY	U4b
BH9-3-162	276697.24	801012.88	0.00	0.60	0.60	Turf over very dark brown slightly gravelly slightly sandy slightly silty PEAT	DRY	U4b/U4a/OV25
BH9-3-162A	276695.61	801016.52	0.00	0.52	0.52	Dark brown slightly sandy spongy PEAT with frequent rootlets	DRY	U4b/U4a/OV25
BH9-3-163	276668.93	801091.87	-	-	-	-	DRY	U4b
BH9-3-164	276740.48	801130.02	-	-	-	-	DRY	U4b
BH9-3-165	276815.75	801263.19	-	-	-	-	DRY	U4b
BH9-3-166	277024.58	801534.69	-	-	-	-	DRY	U4b
BH9-3-167	277284.77	801761.61	-	-	-	-	DRY	W10/W11
BH9-3-167A	277285.77	801761.18	-	-	-	-	DRY	W10/W11
BH9-3-168	277362.93	801794.40	-	-	-	-	5.90	U20a/U4b
BH9-3-169	277405.07	801810.73	-	-	-	-	DRY	W10/W11
BH9-3-169A	277405.94	801810.16	-	-	-	-	DRY	U20a/U4b
BH9-3-170	277560.53	801764.91	0.00	3.50	3.50	Very soft black slightly gravelly slightly sandy PEAT with occasional rootlets	3.50	W11d
BH9-3-171	277820.94	801906.37	-	-	-	-	DRY	MG7/U20a
BH9-3-172	278314.41	801945.71	-	-	-	-	DRY	BD
BH9-3-172A	278314.47	801944.90	-	-	-	-	DRY	BD
BH9-3-172B	278314.93	801942.62	-	-	-	-	10.80	BD
BH9-3-173	278521.79	802046.17	-	-	-	-	DRY	BG/MG1/OV24/OV25a
BH9-3-174	278709.90	802122.14	-	-	-	-	DRY	MG7/MG6
BH9-3-175	278919.26	802094.72	-	-	-	-	DRY	U4b
BH9-3-176	279068.85	802302.36	-	-	-	-	DRY	MG7
BH9-3-177	279273.20	802395.08	-	-	-	-	DRY	W11d/W11c/W3/U4b/MG1/W4
BH9-3-178	279677.57	802884.42	-	-	-	-	DRY	MG6/MG1
BH9-3-179	279798.82	802983.65	-	-	-	-	8.50	MG6/MG1
BH9-3-180	279902.44	803069.19	-	-	-	-	DRY	MG6/MG1
BH9-3-180A	279900.45	803067.67	-	-	-	-	DRY	MG6/MG1
BH9-3-181	280077.93	803188.22	-	-	-	-	DRY	MG6/MG1
BH9-3-181A	280079.54	803189.53	-	-	-	-	DRY	MG6/MG1
BH9-3-181TP	269183.41	795311.13	-	-	-	-	DRY	W11/U4/W17/U20
BH9-3-181TPA	269183.41	795311.13	-	-	-	-	DRY	W11/U4/W17/U20
BH9-3-182	280264.77	803257.04	-	-	-	-	DRY	MG6/MG1
BH9-3-183	280581.00	803376.81	-	-	-	-	9.00	W11/W17
BH9-3-184	280719.90	803462.55	-	-	-	-	DRY	W11/W17
BH9-3-185	280865.28	803478.53	-	-	-	-	DRY	W11c/W11d/U4b
BH9-3-186	280976.42	803617.72	-	-	-	-	DRY	W11/W17/U20a
BH9-3-187	281043.76	803563.45	-	-	-	-	4.00	W11c/W11d/U4b



Location ID	Easting	Northing	Depth to Top (m)	Depth to Bottom (m)	Thickness (m)	Basic Peat/ Peaty Soil Description	Groundwater Level (m)	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
BH9-3-188	281122.47	803704.81	-	-	-	-	DRY	W11/W17
BH9-3-189	281167.97	803696.56	-	-	-	-	6.50	W11c/W11d/U4b
BH9-3-189A	281173.24	803697.60	-	-	-	-	DRY	U4b
BH9-3-190	281444.11	804008.08	-	-	-	-	DRY	W11/W17/U20
BH9-3-191	276395.05	800301.39	0.00	0.20	0.20	Dark brown gravelly slightly sandy spongy fibrous PEAT with abundant rootlets and cobbles	1.20	U4b/U2a/SWS/MG1a
BH9-3-192	276418.03	800294.63	-	-	-	-	0.90	U4b
BH9-3-193	276407.32	800339.19	-	-	-	-	6.20	U4b/U2a/SWS/MG1a
BH9-3-194	276433.14	800331.21	-	-	-	-	DRY	U4b
BH9-3-195	276422.42	800384.14	7.96	8.50	0.54	Soft brown slightly gravelly sandy SILT with occasional PEAT	DRY	U4b/U2a/SWS/MG1a
BH9-3-195	276422.42	800384.14	11.45	11.50	0.05	Black fibrous PEAT	DRY	U4b/U2a/SWS/MG1a
BH9-3-196	276457.68	800413.75	-	-	-	-	DRY	U4b
BH9-3-197	276438.32	800423.17	11.45	11.50	0.05	11.45 to 11.50m: black fibrous PEAT bed	DRY	U4b/U2a/SWS/MG1a
BH9-3-198	276483.29	800484.71	2.70	3.00	0.30	Black slightly sandy fibrous PEAT	DRY	U4b
BH9-3-200	276483.98	800550.10	-	-	-	-	DRY	U4b
BH9-3-201	276540.85	800619.95	-	-	-	-	DRY	U4b
BH9-3-202	276543.38	800680.75	-	-	-	-	DRY	U4b
BH9-3-203	276582.90	800744.86	-	-	-	-	DRY	U4b
BH9-3-204	276578.85	800761.77	-	-	-	-	DRY	U4b
BH9-3-205	276521.71	800779.88	-	-	-	-	DRY	MG6
BH9-3-206	276014.75	799724.65	-	-	-	-	DRY	W6/CP
BH9-3-207	276033.51	799761.78	1.20	4.50	3.30	Dark grey gravelly sandy silty pseudofibrous PEAT with occasional rootlets	DRY	U4b
BH9-3-208	276052.52	799686.44	-	-	-	-	1.20	W11d
BH9-3-209	276073.49	799716.83	-	-	-	-	DRY	W7a
BH9-3-210	276129.95	799762.18	-	-	-	-	DRY	W7a
BH9-3-211	276181.85	799829.29	-	-	-	-	DRY	U4b/MG9a/MG10a/M23a/S9a
DL-BH01	275623.55	799954.28	3.00	4.00	1.00	Dark brown slightly gravelly sandy slightly silty PEAT	DRY	-
DL-BH02	275443.15	799756.19	-	-	-	-	1.20	-
DL-BH03	275234.15	799344.11	-	-	-	-	DRY	-
DL-BH04	275162.28	799831.68	-	-	-	-	0.90	-
DL-BH05	275172.88	800070.84	-	-	-	-	1.20	-
BH9-3V-001	269119.12	795165.33	-	-	-	-	DRY	U4/U2/H12a/H18/M25
BH9-3V-002	269131.46	795201.88	-	-	-	-	DRY	U20/W11/U4/W17
BH9-3V-003	269170.45	795192.17	-	-	-	-	DRY	W11/U4/W17/U20
BH9-3V-003A	269168.55	795190.43	-	-	-	-	DRY	W11/U4/W17/U20
BH9-3V-004	269175.31	795214.98	-	-	-	-	DRY	RTP
BH9-3V-010	270750.23	797539.77	-	-	-	-	8.00	W17/W11
BH9-3V-011	270796.45	797290.05	0.00	0.50	0.50	Heather over brown PEAT	Dry	CP

Location ID	Easting	Northing	Depth to Top (m)	Depth to Bottom (m)	Thickness (m)	Basic Peat/ Peaty Soil Description	Groundwater Level (m)	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
BH9-3V-012	276621.22	800878.26	-	-	-	-	14.00	U4b/U4a/OV25
BH9-3V-012A	276620.92	800882.37	-	-	-	-	DRY	U4b/U4a/OV25
BH9-3V-013	276588.30	801013.58	-	-	-	-	DRY	W11
BH9-3V-015	278299.07	801988.37	-	-	-	-	DRY	MG1/U4b/OV27/OV24
BH9-3V-016	278341.20	801948.43	-	-	-	-	DRY	CP
DL-HP01	275142.11	799373.17	-	-	-	-	DRY	<Null>
DL-HP02	275131.49	799362.56	-	-	-	-	DRY	<Null>
DL-HP03	275115.37	799381.96	-	-	-	-	DRY	<Null>
DL-HP04	275123.17	799392.40	-	-	-	-	DRY	<Null>
HP9-3-100	276207.64	799980.71	-	-	-	-	DRY	W6e
HP9-3-101	276258.29	800078.82	-	-	-	-	DRY	U4/MG1/OV27
HP9-3-102	276307.38	800167.12	-	-	-	-	DRY	MG9/MG10a
HP9-3-103	276343.49	800245.95	-	-	-	-	DRY	U4/MG1/OV27
HP9-3-104	276373.65	800325.37	-	-	-	-	DRY	W6e/U4/W23
HP9-3-105	276395.50	800400.61	-	-	-	-	DRY	U4b
HP9-3-106	276435.21	800414.79	-	-	-	-	DRY	U4b/U2a/SWS/MG1a
HP9-3-107	276466.38	800595.39	-	-	-	-	DRY	MG6
HP9-3-108	276498.74	800606.91	-	-	-	-	DRY	U4b
HP9-3-109	276503.56	800701.90	-	-	-	-	DRY	MG6
HP9-3-110	276122.90	799937.30	-	-	-	-	DRY	U4b
HP9-3-111	276043.55	800107.03	-	-	-	-	DRY	U4b
HP9-3-112	276154.30	800206.97	-	-	-	-	DRY	U4b
HP9-3-167	277284.77	801761.61	0.00	1.00	1.00	Spongy dark brown slightly sandy slightly gravelly pseudo-fibrous PEAT with vegetation of rootlets and leaves	DRY	W10/W11
HP9-3-167	277284.77	801761.61	1.00	1.20	0.20	Light brown mottled dark brown slightly silty sandy pseudo-fibrous PEAT. Reworked	DRY	W10/W11
TP9-3-100	269133.72	794774.33	0.00	0.30	0.30	Dark brown to black gravelly sandy silty slightly clayey peaty TOPSOIL with numerous fine to medium rootlets	DRY	M19a
TP9-3-101	269200.37	795090.69	0.00	0.30	0.30	Dark brown gravelly peaty sandy TOPSOIL with numerous fine to medium rootlets supporting heather and moss vegetation	1.40	H12a/M15b/SWS/M6a/U4a
TP9-3-102	269227.33	795212.73	0.00	0.10	0.10	Dark brown peaty TOPSOIL	DRY	H12a
TP9-3-102	269227.33	795212.73	0.10	1.10	1.00	Dark brown to black silty slightly sandy amorphous PEAT with many rootlets with occasional grey fine to coarse sand lenses	DRY	H12a
TP9-3-103	269294.50	795522.80	-	-	-	-	DRY	H12a
TP9-3-103A	269266.63	795361.39	-	-	-	-	DRY	W17b/H12a
TP9-3-104	269370.27	795838.26	-	-	-	-	DRY	H12a
TP9-3-105	269411.98	795932.77	-	-	-	-	DRY	H12a
TP9-3-106	269452.35	795992.51	-	-	-	-	DRY	H12a
TP9-3-107	269472.82	796053.84	-	-	-	-	DRY	H12a/SWS
TP9-3-108	269635.38	796292.86	-	-	-	-	DRY	H12a
TP9-3-109	269709.38	796423.01	-	-	-	-	DRY	H12a

Location ID	Easting	Northing	Depth to Top (m)	Depth to Bottom (m)	Thickness (m)	Basic Peat/ Peaty Soil Description	Groundwater Level (m)	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
TP9-3-110	269786.53	796587.09	-	-	-	-	DRY	W17d/W11d/H12a
TP9-3-111	269906.72	796640.69	0.30	0.50	0.20	Black amorphous plastic slightly sandy clayey silty PEAT	DRY	H12a/SWS
TP9-3-112	269926.69	796695.45	0.40	0.60	0.20	Dark brown and black amorphous non-plastic sandy silty PEAT	DRY	W17d/W11d/H12a
TP9-3-113	269910.73	796780.15	-	-	-	-	DRY	W17/W11/W16/U4/MG1
TP9-3-114	269973.96	796770.47	-	-	-	-	DRY	H12a/SWS
TP9-3-115	270059.33	796822.81	0.10	1.40	1.30	Light brown very gravelly silty fine to coarse sand with pockets of PEAT and pieces of cut timber	1.70	W11d
TP9-3-115	270059.33	796822.81	1.40	1.70	0.30	Black pseudo fibrous non-plastic sandy silty PEAT with occasional fine rootlets	1.70	W11d
TP9-3-115A	270007.16	796879.46	-	-	-	-	DRY	W11/U4/W17/S9a
TP9-3-116	272933.73	798373.35	-	-	-	-	DRY	U4/CG10a
TP9-3-117	270332.16	796949.05	0.20	0.30	0.10	Firm black pseudo-fibrous to amorphous PEAT with numerous rootlets	3.00	CP
TP9-3-118	270176.21	796885.17	-	-	-	-	1.20	U5a
TP9-3-119	270335.45	797005.01	-	-	-	-	DRY	W11/U4/W17/S9a
TP9-3-119A	270239.28	796955.21	-	-	-	-	DRY	W11/U4/W17/S9a
TP9-3-120	270537.57	797057.00	0.00	0.60	0.60	Firm brown to black pseudo-fibrous to amorphous PEAT	DRY	H12a/SWS
TP9-3-120A	270681.06	797297.48	-	-	-	-	DRY	CP
TP9-3-121	270794.93	797162.90	0.00	0.50	0.50	Soft to firm fibrous to pseudo-fibrous PEAT	3.30	M25a/M15b
TP9-3-122	270995.20	797303.29	0.00	0.20	0.20	Soft dark brown and black pseudo-fibrous PEAT	DRY	M25a/M15b
TP9-3-123	271145.61	797358.42	-	-	-	-	DRY	CP/W17d/U4a
TP9-3-124	271257.08	797402.32	0.00	0.50	0.50	Brown and black slightly gravelly sandy peaty TOPSOIL with numerous plant roots and rootlets	DRY	H12a
TP9-3-125	271946.35	797848.04	-	-	-	-	2.40	W11/W17
TP9-3-126	272394.28	798067.01	-	-	-	-	1.40	W11d
TP9-3-127	273041.60	798315.75	-	-	-	-	DRY	H12a/U4b
TP9-3-128	273138.41	798370.59	-	-	-	-	DRY	H12a/U4b
TP9-3-129	273221.13	798411.84	-	-	-	-	DRY	U4b
TP9-3-130	273372.21	798468.81	-	-	-	-	DRY	U4b
TP9-3-131	273422.36	798531.81	-	-	-	-	DRY	U4a/CG10a/U4b/H10d
TP9-3-132	279199.73	802352.41	-	-	-	-	DRY	SWS/U4b/OV27/OV24/MG1/OV25
TP9-3-133	273619.08	798522.23	-	-	-	-	3.00	U4b/MG6
TP9-3-134	273757.04	798590.21	-	-	-	-	1.20	U4b/MG6
TP9-3-135	273771.99	798671.06	-	-	-	-	DRY	MG7/U4b
TP9-3-136	274031.39	798694.39	-	-	-	-	0.00	M23a/M6d/U4a/M6a
TP9-3-137	274126.39	798726.29	-	-	-	-	0.00	M23a/M6d/U4a/M6a
TP9-3-138	274210.42	798748.79	-	-	-	-	1.40	M23a/U4b
TP9-3-139	274643.17	798896.63	-	-	-	-	DRY	H12a
TP9-3-140	274733.77	798969.97	-	-	-	-	DRY	CP
TP9-3-141	274824.76	798952.03	-	-	-	-	DRY	U4a/MG9a

Location ID	Easting	Northing	Depth to Top (m)	Depth to Bottom (m)	Thickness (m)	Basic Peat/ Peaty Soil Description	Groundwater Level (m)	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
TP9-3-142	275043.38	798997.29	-	-	-	-	DRY	H12a
TP9-3-143	275138.96	799032.91	-	-	-	-	DRY	H12a
TP9-3-144	275247.22	799061.29	-	-	-	-	DRY	H12a/SWS
TP9-3-145	275579.54	799344.93	-	-	-	-	4.45	U4
TP9-3-146	275576.25	799252.09	-	-	-	-	DRY	BP
TP9-3-147	275809.97	799438.59	-	-	-	-	DRY	U4b
TP9-3-148	275844.52	799563.68	-	-	-	-	DRY	U4b
TP9-3-149	276000.02	799624.02	-	-	-	-	DRY	U4b
TP9-3-149A	276018.20	799655.19	-	-	-	-	DRY	U4b
TP9-3-150	276522.44	800642.48	-	-	-	-	DRY	U4b
TP9-3-151	276699.98	801001.72	-	-	-	-	DRY	U4b/U4a/OV25
TP9-3-152	276696.51	801211.27	-	-	-	-	2.30	U4b
TP9-3-153	276797.29	801312.72	-	-	-	-	DRY	U4b
TP9-3-154	276887.27	801477.15	-	-	-	-	DRY	U4b/MG1a/U20a
TP9-3-155	276982.33	801480.66	-	-	-	-	3.30	U4b
TP9-3-156	277077.52	801599.58	-	-	-	-	DRY	U4b
TP9-3-157	277109.06	801614.61	-	-	-	-	DRY	W11d
TP9-3-158	277230.84	801674.98	-	-	-	-	1.80	U4b
TP9-3-159	277529.27	801828.22	-	-	-	-	3.50	MG7/U20a
TP9-3-159A	276528.20	800578.16	-	-	-	-	DRY	U4b
TP9-3-160	277840.76	801840.00	-	-	-	-	DRY	MG7b
TP9-3-161	278396.35	801954.24	-	-	-	-	DRY	CP
TP9-3-162	278011.81	801877.85	-	-	-	-	0.60	M23a
TP9-3-163	278209.03	801938.31	-	-	-	-	4.50	BD
TP9-3-164	278204.37	801986.12	-	-	-	-	DRY	U4b
TP9-3-165	278305.07	802026.42	-	-	-	-	0.90	W10/OV25a
TP9-3-166	278424.24	802032.94	-	-	-	-	1.60	MG6
TP9-3-168	278631.33	802085.98	-	-	-	-	Dry	MG7/MG6
TP9-3-169	278810.39	802140.08	-	-	-	-	2.50	MG7
TP9-3-170	270756.19	797373.83	-	-	-	-	DRY	CP
TP9-3-171	278986.30	802159.36	-	-	-	-	DRY	U4b
TP9-3-172	279073.36	802225.66	-	-	-	-	DRY	U4a/SWS
TP9-3-173	279216.98	802428.02	-	-	-	-	4.20	MG7
TP9-3-174	279272.79	802503.73	-	-	-	-	2.60	MG7
TP9-3-175	279416.05	802634.47	-	-	-	-	1.10	MG7
TP9-3-175A	279421.08	802639.44	-	-	-	-	2.50	MG7
TP9-3-176	279498.51	802713.02	-	-	-	-	1.30	MG7

Location ID	Easting	Northing	Depth to Top (m)	Depth to Bottom (m)	Thickness (m)	Basic Peat/ Peaty Soil Description	Groundwater Level (m)	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
TP9-3-176A	280245.18	803152.75	-	-	-	-	0.70	W11c/W11d/U4b
TP9-3-177	269101.79	794662.92	1.00	1.50	0.50	Dark brown to black, gravelly silty clayey PEAT with numerous fine to coarse rootlets and decomposed wood fragments	2.40	W7a/W7b/W11d/M15b
TP9-3-178	269081.85	794824.00	-	-	-	-	2.50	W11/U4/MG1/U20/W17
TP9-3-179	269208.55	795191.99	0.00	0.05	0.05	Dark brown silty sandy peaty TOPSOIL with numerous root fragments supporting heather and moss vegetation	3.00	H12a
TP9-3-180	269133.20	795182.19	-	-	-	-	DRY	U20/W11/U4/W17
TP9-3-182	270778.25	797498.54	-	-	-	-	DRY	W11/U4/W17
TP9-3-183	269178.29	795247.47	-	-	-	-	DRY	W11/U4/W17/U20
TP9-3-184	269186.78	795383.71	-	-	-	-	DRY	W11/U4/W17/U20
TP9-3-185	269183.25	795464.09	-	-	-	-	DRY	W11
TP9-3-186	269212.98	795594.56	0.00	0.15	0.15	Dark brown locally black peaty gravelly sandy TOPSOIL with roots and rootlets	DRY	CP
TP9-3-187	269240.43	795690.56	0.00	0.25	0.25	Dark brown locally black peaty gravelly sandy TOPSOIL with roots and rootlets	DRY	W11/W6/CP/U4/MG1
TP9-3-188	269268.86	795788.92	-	-	-	-	DRY	W11/W17
TP9-3-189	269310.41	795879.91	-	-	-	-	DRY	W17/W11/MG1/U4/H12a
TP9-3-190	269371.64	795987.82	-	-	-	-	DRY	W17/W11/MG1/U4/H12a
TP9-3-191	269415.25	796055.79	-	-	-	-	DRY	W17/W11/MG1/U4/H12a
TP9-3-192	269466.98	796173.07	-	-	-	-	DRY	W17/H12a/W11/U4/MG1
TP9-3-193	269498.12	796225.55	-	-	-	-	DRY	W17/H12a/W11/U4/MG1
TP9-3-194	269565.86	796316.45	-	-	-	-	DRY	W17/H12a/W11/U4/MG1
TP9-3-195	269606.33	796405.70	-	-	-	-	DRY	W17/H12a/W11/U4/MG1
TP9-3-196	269639.91	796494.02	-	-	-	-	DRY	W11/MG1/OV27
TP9-3-197	269721.66	796627.17	-	-	-	-	DRY	W17/W11/W16/U4/MG1
TP9-3-198	269800.56	796756.64	-	-	-	-	DRY	BG/SWS/U4
TP9-3-199	269731.84	796511.49	-	-	-	-	DRY	W17d/W11d/H12a
TP9-3-199A	269742.33	796543.56	-	-	-	-	DRY	U4b
TP9-3-200	269820.11	796623.75	-	-	-	-	DRY	W17d/W11d/H12a
TP9-3-201	269934.15	796749.11	-	-	-	-	DRY	W17d/W11d/H12a
TP9-3-202	270094.15	796843.86	-	-	-	-	1.90	H12a/SWS
TP9-3-203	270259.66	796922.17	-	-	-	-	DRY	U5a
TP9-3-204	274429.03	798921.19	-	-	-	-	2.50	OV25/MG6/U4
TP9-3-204A	274479.80	798842.64	-	-	-	-	DRY	U4b/H12a
TP9-3-205	274470.92	798927.38	-	-	-	-	3.20	OV25/MG6/U4
TP9-3-205A	274608.99	798883.57	-	-	-	-	DRY	H12a
TP9-3-206	272567.69	798119.45	-	-	-	-	DRY	H12a/U4a/U2b
TP9-3-206A	274711.81	798923.57	0.00	0.20	0.20	Dark brown pseudo-fibrous dark brown PEAT	DRY	H12a
TP9-3-207	273897.91	798657.68	-	-	-	-	3.10	U4a/U2a/U4b/H12a
TP9-3-208	275163.21	799115.97	-	-	-	-	DRY	U4

Location ID	Easting	Northing	Depth to Top (m)	Depth to Bottom (m)	Thickness (m)	Basic Peat/ Peaty Soil Description	Groundwater Level (m)	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
TP9-3-209	275283.69	799152.73	-	-	-	-	DRY	MG1
TP9-3-210	275805.93	799396.87	-	-	-	-	DRY	U4b
TP9-3-211	275880.79	799456.67	-	-	-	-	DRY	U4b
TP9-3-212	276527.66	800779.80	-	-	-	-	DRY	MG6
TP9-3-213	276586.05	800858.30	-	-	-	-	DRY	U4b/U4a/OV25
TP9-3-214	276784.20	801262.68	-	-	-	-	DRY	U4b
TP9-3-215	277441.47	801822.28	0.00	0.30	0.30	Dark blackish brown slightly plastic pseudo-fibrous PEAT with thin rootlets and strong organic odour	2.50	U20a/U4b
TP9-3-216	277293.30	801767.01	-	-	-	-	3.00	W10/W11
TP9-3-217	278459.65	801980.15	-	-	-	-	DRY	RTP
TP9-3-218	278723.79	802035.78	-	-	-	-	DRY	BP
TP9-3-219	278983.33	802240.23	-	-	-	-	2.50	W8/W10
TP9-3-220	280586.35	803384.60	-	-	-	-	1.20	W11/W17
TP9-3-221	280733.44	803470.42	-	-	-	-	4.10	W11/W17
TP9-3-222	280907.32	803559.32	-	-	-	-	DRY	W11/W17
TP9-3-223	281044.68	803666.67	-	-	-	-	DRY	W11/W17
TP9-3-224	280881.06	803484.54	-	-	-	-	DRY	W11c/W11d/U4b
TP9-3-225	279587.59	802793.29	-	-	-	-	1.10	MG7
TP9-3-226	274303.88	798868.81	1.40	2.05	0.65	Dark brown fibrous non-plastic slightly sandy silty PEAT. Abundant plant fragments, roots and woody stems	3.10	U4
TP9-3-227	278681.14	802084.72	-	-	-	-	DRY	MG1/MG6 /OV24
TP9-3-228	272213.77	797909.67	0.00	0.30	0.30	Plastic black sandy clayey amorphous PEAT with fine to medium roots	DRY	W4/W11d
TP9-3-229	272303.83	797979.31	-	-	-	-	DRY	H12a/U4a/U2b
TP9-3-230	279859.00	803025.00	-	-	-	-	0.30	MG6/MG1
TP9-3-231	280164.98	803221.00	-	-	-	-	DRY	MG6/MG1
TP9-3-232	281072.94	803691.41	-	-	-	-	DRY	W11/W17
TP9-3V-010TB	270616.03	797424.55	-	-	-	-	DRY	W17/W11
TP9-3V-010TBA	270744.18	797536.52	-	-	-	-	DRY	W17/W11
TT9-3-100C	277661.75	801865.27	-	-	-	-	DRY	MG7/U20a
TT9-3-100CH17.00	277647.33	801856.33	-	-	-	-	DRY	MG7/U20a
TT9-3-100CH25.00	277640.28	801852.52	-	-	-	-	DRY	MG7/U20a
TT9-3-100CH4.80	277658.04	801862.07	-	-	-	-	DRY	MG7/U20a
TT9-3-100CH9.00	277654.39	801860.11	-	-	-	-	DRY	MG7/U20a
TT9-3-101	277686.42	801861.26	-	-	-	-	DRY	MG7/U20a
TT9-3-101NW	277685.63	801866.28	-	-	-	-	DRY	MG7/U20a
TT9-3-101S	277675.82	801864.93	-	-	-	-	DRY	MG7/U20a
TT9-3-102CH25.00	277718.87	801863.61	-	-	-	-	DRY	MG7/U20a
TT9-3-102N	277699.72	801876.35	-	-	-	-	DRY	MG7/U20a

Location ID	Easting	Northing	Depth to Top (m)	Depth to Bottom (m)	Thickness (m)	Basic Peat/ Peaty Soil Description	Groundwater Level (m)	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
TT9-3-102S	277718.34	801862.76	-	-	-	-	DRY	MG7/U20a
TT9-3-103CH14.00	277743.02	801878.34	-	-	-	-	DRY	MG7/U20a
TT9-3-103CH2.40	277754.14	801876.86	-	-	-	-	DRY	MG7/U20a
TT9-3-103CH25.00	277732.46	801879.80	-	-	-	-	DRY	MG7/U20a
TT9-3-103CH4.00	277752.06	801877.14	-	-	-	-	DRY	MG7/U20a
TT9-3-103E	277755.29	801876.43	-	-	-	-	DRY	MG7/U20a
TT9-3-103W	277734.01	801879.48	-	-	-	-	DRY	MG7/U20a
TT9-3-104B	277775.52	801881.46	-	-	-	-	DRY	MG7/U20a
TT9-3-104CH10.00	277786.11	801885.35	-	-	-	-	DRY	MG7/U20a
TT9-3-104CH14.00	277789.81	801885.52	-	-	-	-	DRY	MG7/U20a
TT9-3-104CH19.70	277794.71	801888.50	-	-	-	-	DRY	MG7/U20a
TT9-3-104CH5.00	277781.34	801883.70	-	-	-	-	DRY	MG7/U20a
TT9-3-104E	277798.51	801889.62	-	-	-	-	DRY	MG7/U20a
TT9-3-104W	277776.67	801882.10	-	-	-	-	DRY	MG7/U20a
TT9-3-105	277836.55	801891.95	-	-	-	-	DRY	MG7/U20a
TT9-3-105CH11.30	277837.85	801892.76	-	-	-	-	DRY	MG7/U20a
TT9-3-105CH14.30	277834.63	801892.62	-	-	-	-	DRY	MG7/U20a
TT9-3-105CH21.10	277827.89	801893.14	-	-	-	-	DRY	MG7/U20a
TT9-3-105CH6.10	277844.15	801892.93	-	-	-	-	DRY	MG7/U20a
TT9-3-105E	277848.28	801892.45	-	-	-	-	DRY	CP/MG1/OV27
TT9-3-105W	277826.16	801893.41	-	-	-	-	DRY	MG7/U20a

<b>Equipment</b>	Variable (Hand Tools, Cable Percussion/ Rotary Drilling Rigs and Tracked Excavator)
<b>GPS Equipment (Accuracy)</b>	Total Station Theodolite
<b>Staff/ Contractor</b>	BAM Ritchies (on behalf of CH2M Fairhurst Joint Venture and Transport Scotland)

Table 6: Preliminary Ground Investigation (BAM Ritchies, November 2017 to January 2018) (Peat Depth Probes)

Date	Location ID	Easting	Northing	Ground Level (mAOD)	Probed/ Peat Depth (m)	Comments	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
30 October 2017	PP-1	268975	793899	306	1.10	Long grass and heather, dry	-
30 October 2017	PP-2	268925	793899	302	0.10	Long grass and heather, dry	-
30 October 2017	PP-3	268949	793879	309	0.05	Long grass and heather, dry	-
30 October 2017	PP-4	268954	793942	306	0.92	Reeds and grass	-
30 October 2017	PP-5	268952	793920	300	0.60	Long grass and heather, dry	-
30 October 2017	PP-6	268939	793910	303	0.82	Long grass and heather, dry	-
30 October 2017	PP-7	268964	793910	306	1.60	Long grass and heather, dry	-
30 October 2017	PP-8	268937	793889	305	0.52	Long grass and heather, dry	-
30 October 2017	PP-9	268962	793889	308	0.30	Long grass and heather, dry	-
30 October 2017	PP-10	268980	793918	306	2.00	Long grass and heather, dry	-
30 October 2017	PP-11	268967	793930	306	1.06	Long grass and heather, dry	-
25 November 2017	PP-12	268990	793909	296	0.20	Long grass, dry	-
25 November 2017	PP-13	268927	793921	296	0.10	Long grass, dry	-
30 October 2017	PP-14	268941	793932	304	0.15	Reeds and grass	-
30 October 2017	PP-15	268914	793911	299	0.04	Grass and gravel, dry	-
30 October 2017	PP-16	268976	793956	305	0.92	Long grass, moss and heather, dry	-
30 October 2017	PP-17	268978	793978	304	1.47	Long grass, moss and heather, dry	-
30 October 2017	PP-18	268982	793928	308	0.32	Long grass, moss and heather, dry	-
30 October 2017	PP-19	268999	793985	307	1.81	Long grass, moss and heather, dry	-
30 October 2017	PP-20	268998	793948	306	1.58	Long grass, moss and heather, dry	-
30 October 2017	PP-21	269050	794000	305	1.95	Heather, dry	-
30 October 2017	PP-22	269150	794000	323	0.13	Heather and trees, dry	-
30 October 2017	PP-23	269100	793900	319	0.53	Long grass and heather, dry	-
30 October 2017	PP-24	269200	793950	330	0.09	Heather and trees, dry	-
30 October 2017	PP-25	269150	793900	320	0.09	Heather and trees, dry	-
27 November 2017	PP-26	269150	793950	326	0.16	Heather and trees, dry	-
30 October 2017	PP-27	269050	793900	311	0.64	Long grass and heather, dry	-
30 October 2017	PP-28	269050	793950	308	0.42	Long grass and heather, dry	-
30 October 2017	PP-29	269100	793950	316	0.15	Heather, dry	-
30 October 2017	PP-30	269200	793925	341	0.10	Heather and trees, dry	-
30 October 2017	PP-31	269099	793926	316	0.15	Long grass and heather, dry	-
30 October 2017	PP-32	269048	793926	310	0.52	Long grass and reeds, dry	-
30 October 2017	PP-33	269149	793925	326	0.10	Heather and trees, dry	-
30 October 2017	PP-34	269050	793975	308	1.28	Long grass and heather, dry	-
30 October 2017	PP-35	269100	793975	312	0.39	Long grass and heather, dry	-
30 October 2017	PP-36	269150	793975	325	0.14	Heather and trees, dry	-
30 October 2017	PP-37	269200	793975	340	0.28	Heather and trees, dry	-
30 October 2017	PP-38	268979	794085	303	0.20	Long grass and heather, dry	-
25 November 2017	PP-39	269000	794242	290	0.10	Long grass, dry	-
25 November 2017	PP-40	269000	794213	290	0.07	Long grass, dry	-
25 November 2017	PP-41	268980	794215	289	0.10	Long grass, dry	-
30 October 2017	PP-42	268970	794172	360	0.42	Long grass and heather, dry	-
30 October 2017	PP-43	268945	794052	299	0.14	Long grass, dry	-



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25 November 2017	PP-44	269049	794658	269	0.10	Long grass, dry	W11/U4/MG1/U20/W17
25 November 2017	PP-45	269075	794752	270	0.20	Long grass, dry	W11/U4/MG1/U20/W17
25 November 2017	PP-46	269062	794703	265	0.10	Long grass, dry	W11/U4/MG1/U20/W17
25 November 2017	PP-47	269096	794693	270	0.10	Long grass, dry	U4a
25 November 2017	PP-48	269095	794735	279	0.10	Long grass, dry	U4a
31 October 2017	PP-49	270550	797000	268	0.20	Long grass and heather, dry	M15b
31 October 2017	PP-50	270525	797000	269	0.18	Long grass and heather, dry	H12a/U4a
31 October 2017	PP-51	270575	797000	268	0.05	Long grass and heather, dry	M15b
31 October 2017	PP-52	270650	797000	269	1.30	Long grass and heather, dry	M15b
31 October 2017	PP-53	270625	797000	272	1.00	Heather, dry	M15b
31 October 2017	PP-54	270675	797000	270	0.20	Long grass and heather, dry	M15b
31 October 2017	PP-55	270600	796950	268	2.50	Long grass and heather, dry	M15b
31 October 2017	PP-56	270600	796975	268	2.03	Heather, dry	M15b
31 October 2017	PP-57	270600	796925	271	0.51	Long grass and heather, dry	M15b
31 October 2017	PP-58	270650	796900	277	0.17	Heather, dry	M15b
31 October 2017	PP-59	270700	796950	279	0.05	Moss, dry	M15b
31 October 2017	PP-60	270650	796950	271	1.85	Heather, dry	M15b
31 October 2017	PP-61	270650	796975	277	0.05	Heather, dry	M15b
31 October 2017	PP-62	270650	796925	271	0.40	Heather, dry	M15b
31 October 2017	PP-63	270625	796925	271	0.50	Long grass, dry	M15b
31 October 2017	PP-64	270700	796925	284	0.15	Long grass and heather, dry	M15b
31 October 2017	PP-65	270675	796900	282	0.20	Heather, dry	U4b
31 October 2017	PP-66	270675	796950	272	0.24	Long grass, dry	M15b
31 October 2017	PP-67	270675	796925	277	0.05	Heather, dry	M15b
31 October 2017	PP-68	270700	796975	276	0.27	Heather, dry	M15b
31 October 2017	PP-69	270675	796975	270	0.63	Long grass, dry	M15b
31 October 2017	PP-70	270625	796975	272	2.15	Long grass and heather, dry	M15b
31 October 2017	PP-71	270625	796950	273	2.50	Heather and moss, dry	M15b
31 October 2017	PP-72	270625	796900	276	0.10	Heather, dry	M15b
31 October 2017	PP-73	270550	796975	267	0.82	Long grass and heather, dry	M15b
31 October 2017	PP-74	270549	796901	273	0.10	Long grass, dry	U4b
31 October 2017	PP-75	270575	796975	271	1.25	Heather, wet	M15b
31 October 2017	PP-76	270550	796950	269	0.19	Long grass and heather, wet	M15b
31 October 2017	PP-77	270575	796900	270	0.62	Long grass, dry	M15b
31 October 2017	PP-78	270575	796925	268	1.25	Reeds and long grass, dry	M15b
31 October 2017	PP-79	270575	796950	268	1.25	Long grass and heather, dry	M15b
31 October 2017	PP-80	270501	796901	275	0.10	Heather, dry	U4b
31 October 2017	PP-81	270500	796951	275	0.16	Heather, dry	H12a/U4a
31 October 2017	PP-82	270525	796975	271	0.05	Long grass and heather, dry	M15b
21 November 2017	PP-83	270525	797100	261	0.20	Moss, trees, dry	CP
31 October 2017	PP-84	270575	797100	264	0.04	Trees, dry	W11d
31 October 2017	PP-85	270525	797050	267	0.26	Reeds and trees, wet	H12a/U4a
31 October 2017	PP-86	270525	797025	267	0.15	Trees, long grass and heather, dry	H12a/U4a
31 October 2017	PP-87	270500	797050	265	0.55	Trees and reeds, dry	W11d

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31 October 2017	PP-88	270500	797025	271	0.10	Trees and heather, dry	H12a/U4a
31 October 2017	PP-89	270650	797100	267	0.07	Long grass, dry	H12a/SWS
31 October 2017	PP-90	270550	797050	266	0.62	Long grass and heather, dry	H12a/SWS
31 October 2017	PP-91	270550	797025	266	1.20	Long grass and heather, wet	M15b
31 October 2017	PP-92	270575	797050	268	0.05	Heather, dry	H12a/SWS
31 October 2017	PP-93	270575	797025	268	0.24	Heather, dry	M15b
31 October 2017	PP-94	270600	797050	274	0.05	Heather, dry	H12a/SWS
31 October 2017	PP-95	270600	797025	268	0.37	Heather, dry	M15b
31 October 2017	PP-96	270625	797100	266	0.12	Heather, dry	H12a/SWS
31 October 2017	PP-97	270625	797050	273	0.05	Heather and moss, dry	H12a/SWS
31 October 2017	PP-98	270650	797050	268	0.02	Long grass and heather, dry	H12a/SWS
31 October 2017	PP-99	270625	797025	269	0.09	Long grass and moss, wet	M15b
31 October 2017	PP-100	270650	797025	269	0.02	Long grass and heather, wet	M15b
31 October 2017	PP-101	270550	797075	266	0.47	Long grass and heather, dry	H12a/SWS
31 October 2017	PP-102	270575	797075	267	0.23	Heather, dry	H12a/SWS
31 October 2017	PP-103	270750	797000	278	0.20	Heather, dry	U4b
31 October 2017	PP-104	270700	797050	267	0.05	Heather, dry	M15b
24 November 2017	PP-105	270800	797050	272	0.20	Heather, dry	M15b
20 November 2017	PP-106	270750	797100	261	0.04	Heather, trees, dry	H12a/SWS
31 October 2017	PP-107	270725	797000	273	0.25	Heather, dry	M15b
24 November 2017	PP-108	270750	797050	268	0.70	Heather, dry	M15b
31 October 2017	PP-109	270725	797050	265	0.29	Long grass, reeds and moss, dry	M15b
31 October 2017	PP-110	270750	797025	273	0.05	Heather, dry	M15b
31 October 2017	PP-111	270700	797025	267	1.20	Long grass and reeds, wet	M15b
31 October 2017	PP-112	270738	796975	283	0.13	Long grass, dry	U4b
21 November 2017	PP-113	270563	797122	269	0.30	Moss, trees, dry	CP
21 November 2017	PP-114	270603	797146	264	1.00	Moss, trees, dry	CP
21 November 2017	PP-115	270647	797173	259	0.06	Heather, trees, dry	CP
21 November 2017	PP-116	270726	797223	256	0.10	Grass, trees, dry	CP
20 November 2017	PP-117	270808	797238	264	0.05	Grass, dry	CP
20 November 2017	PP-118	270887	797276	264	0.10	Long grass, trees, dry	CP
24 November 2017	PP-119	270856	797225	257	0.60	Grass, wet	M25a/M15b
24 November 2017	PP-120	270916	797241	256	0.70	Long grass, heather, dry	M25a/M15b
20 November 2017	PP-121	270941	797268	254	0.20	Long grass, trees, dry	CP
20 November 2017	PP-122	270850	797100	259	0.20	Long grass, heather, dry	M15b
24 November 2017	PP-123	270875	797230	257	0.20	Grass, wet	M25a/M15b
21 November 2017	PP-124	270800	797263	265	0.05	Grass, trees, dry	CP
21 November 2017	PP-125	270866	797297	265	0.15	Grass, trees, dry	CP
21 November 2017	PP-126	270923	797324	272	0.10	Grass, trees, dry	CP
22 November 2017	PP-127	270976	797350	255	0.10	Grass, trees, dry	CP
22 November 2017	PP-128	271036	797376	259	0.05	Grass, trees, dry	CP/W17
20 November 2017	PP-129	271150	797300	275	0.20	Heather, dry	H12a/SWS
27 November 2017	PP-130	271200	797250	275	0.20	Grass, heather, dry	H12a/SWS
20 November 2017	PP-131	271150	797200	275	1.00	Long grass, wet	H12a/SWS

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21 November 2017	PP-132	271250	797200	275	1.10	Grass, heather, wet	H12a/SWS
21 November 2017	PP-133	271250	797400	270	0.10	Long grass, wet	H12a
21 November 2017	PP-134	271250	797300	278	0.20	Grass, heather, dry	H12a/SWS
21 November 2017	PP-135	271300	797300	279	0.10	Grass, heather, dry	H12a
20 November 2017	PP-136	271150	797250	274	0.70	Long grass, wet	H12a/SWS
21 November 2017	PP-137	271250	797250	280	0.10	Grass, heather, dry	H12a/SWS
27 November 2017	PP-138	271250	797350	273	0.20	Grass, heather, dry	H12a
21 November 2017	PP-139	271300	797350	279	0.20	Grass, heather, dry	H12a
21 November 2017	PP-140	271300	797250	279	0.20	Grass, heather, dry	H12a/SWS
27 November 2017	PP-141	271202	797354	275	0.10	Grass, heather, dry	H12a/SWS
22 November 2017	PP-142	271136	797415	267	0.20	Grass, trees, dry	CPW17
22 November 2017	PP-143	271223	797441	268	0.10	Grass, trees, dry	CPW17
22 November 2017	PP-144	271495	797539	260	0.10	Grass, trees, dry	CPW17
22 November 2017	PP-145	271547	797569	263	0.05	Grass, trees, dry	W11/W17
21 November 2017	PP-146	271600	797350	277	0.60	Grass, heather, dry	M15b/M25a/H12a
21 November 2017	PP-147	271650	797300	284	0.30	Grass, heather, dry	M15b/M25a/H12a
22 November 2017	PP-148	273125	798444	233	0.15	Grass, boulders, dry	M6d/M23b/M3
22 November 2017	PP-149	273070	798423	237	0.10	Grass, moss, dry	U4/CG10a
22 November 2017	PP-150	273006	798388	237	0.10	Grass, moss, dry	U4/CG10a
22 November 2017	PP-151	273030	798385	237	0.10	Grass, moss, dry	U4/CG10a
21 November 2017	PP-152	273067	798334	243	0.15	Grass, reeds, dry	H12a/U4b
21 November 2017	PP-153	273172	798355	237	0.01	Grass, boulders, dry	U4b
21 November 2017	PP-154	273107	798349	246	0.10	Heather, dry	H12a/U4b
21 November 2017	PP-155	273021	798324	250	0.05	Heather, dry	H12a/U4b
14 December 2017	PP-156	273181	798432	239	0.30	Grass dry	MG6/U4/OV25
21 November 2017	PP-157	273205	798369	238	0.05	Grass, dry	H12a/U4a
21 November 2017	PP-158	273238	798404	247	0.05	Grass, dry	U4b
14 December 2017	PP-159	273024	798464	236	1.20	Grass, heather, wet	M6d/M23b/M3
27 November 2017	PP-160	273033	798447	266	1.20	Long grass and heather, wet	M6d/M23b/M3
22 November 2017	PP-161	273057	798457	230	1.40	Water, reeds	M6d/M23b/M3
14 December 2017	PP-162	273073	798464	238	1.00	Grass, Heather wet	M6d/M23b/M3
14 December 2017	PP-163	273017	798450	230	1.30	Grass, heather, wet	M6d/M23b/M3
22 November 2017	PP-164	272844	798325	244	0.16	Grass, dry	U4
26 November 2017	PP-165	272927	798341	242	0.15	Grass, dry	H10/U4/MG1
22 November 2017	PP-166	272947	798347	246	0.03	Grass, moss, dry	H10/U4/MG1
26 November 2017	PP-167	272963	798352	247	0.05	Grass, dry	H10/U4/MG1
22 November 2017	PP-168	272980	798367	242	0.12	Grass, moss, dry	U4/CG10a
26 November 2017	PP-169	272864	798329	245	0.10	Grass, moss, dry	U4
22 November 2017	PP-170	272895	798337	243	0.22	Grass, dry	U4/CG10a
21 November 2017	PP-171	272897	798280	248	0.10	Grass, heather, dry	U4a/H12a
21 November 2017	PP-172	272916	798281	247	0.05	Grass, dry	U4a/H12a
21 November 2017	PP-173	272953	798295	249	0.10	Grass, heather, dry	U4a/H12a
22 November 2017	PP-174	272937	798283	247	0.05	Grass, dry	U4a/H12a
21 November 2017	PP-175	272872	798272	250	0.15	Grass, dry	U4a/H12a

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22 November 2017	PP-176	272814	798314	243	0.10	Grass, dry	MG6
22 November 2017	PP-177	273318	798435	240	0.05	Grass, dry	U4b
16 November 2017	PP-178	273364	798449	240	0.05	Grass, dry	U4b
16 November 2017	PP-179	273460	798485	246	0.05	Grass, dry	U4b
16 November 2017	PP-180	273671	798556	238	0.09	Grass, dry	U4b/MG6
16 November 2017	PP-181	273766	798591	238	0.08	Grass, dry	U4b/MG6
24 November 2017	PP-182	273745	798581	236	0.10	Grass, dry	U4b/MG6
16 November 2017	PP-183	273697	798564	239	0.07	Grass, dry	U4b/MG6
15 November 2017	PP-184	273850	798600	234	0.27	Reeds, wet	U4b/MG6
15 November 2017	PP-185	273950	798500	232	0.20	Grass, dry	M23a/M6d/U4a/M6a
15 November 2017	PP-186	273950	798600	233	0.80	Reeds, wet	M23a/M6d/U4a/M6a
15 November 2017	PP-187	273900	798550	232	0.25	Grass, dry	M23a/M6d/U4a/M6a
15 November 2017	PP-188	273850	798550	233	0.15	Reeds, wet	U4b/MG6
15 November 2017	PP-189	274000	798550	235	0.60	Reeds, grass, wet	M23a/M6d/U4a/M6a
15 November 2017	PP-190	273950	798550	233	0.80	Reeds, wet	M23a/M6d/U4a/M6a
15 November 2017	PP-191	274100	798550	233	0.02	Reeds, wet	M23a/M6d/U4a/M6a
15 November 2017	PP-192	274050	798600	232	0.90	Reeds, grass, wet	M23a/M6d/U4a/M6a
15 November 2017	PP-193	274050	798500	233	1.00	Reeds, wet	M23a/M6d/U4a/M6a
15 November 2017	PP-194	274050	798550	235	0.70	Grass, dry	M23a/M6d/U4a/M6a
15 November 2017	PP-195	273900	798650	239	0.25	Reeds, wet	U4a/U2a/U4b/H12a
15 November 2017	PP-196	274000	798650	233	0.66	Reeds, dry	M23a/M6d/U4a/M6a
15 November 2017	PP-197	273950	798650	233	0.10	Reeds, wet	M23a/M6d/U4a/M6a
15 November 2017	PP-198	274150	798700	233	0.43	Grass, dry	M23a/M6d/U4a/M6a
15 November 2017	PP-199	274050	798700	232	0.12	Grass, dry	M23a/M6d/U4a/M6a
15 November 2017	PP-200	274050	798650	231	1.00	Reeds, wet	M23a/M6d/U4a/M6a
15 November 2017	PP-201	274100	798650	234	0.21	Reeds, wet	M23a/M6d/U4a/M6a
15 November 2017	PP-202	274200	798650	232	0.61	Reeds, grass, wet	U4b
15 November 2017	PP-203	274150	798650	234	0.26	Reeds, wet	M23a/M6d/U4a/M6a
15 November 2017	PP-204	274150	798600	234	1.00	Reeds, wet	M23a/M6d/U4a/M6a
15 November 2017	PP-205	274200	798549	231	0.93	Reeds, grass, wet	M23a/M6d/U4a/M6a
15 November 2017	PP-206	274150	798550	231	0.80	Reeds, grass, wet	M23a/M6d/U4a/M6a
15 November 2017	PP-207	274150	798500	2312	0.50	Reeds, grass, wet	M23a/M6d/U4a/M6a
16 November 2017	PP-208	274150	798800	233	0.13	Heather, dry	U4b/U1b/CG10a/H10a
15 November 2017	PP-209	274200	798750	231	0.18	Reeds, grass, wet	M23a/U4b
26 November 2017	PP-210	274150	798750	236	0.40	Grass, heather, dry	U4a/U2a/U4b/H12a
26 November 2017	PP-211	274501	798842	240	0.20	Grass, heather, trees, dry	U4b/H12a
26 November 2017	PP-212	274582	798870	250	0.25	Grass, heather, trees, dry	H12a
26 November 2017	PP-213	274645	798893	246	0.20	Grass, heather, trees, dry	H12a
26 November 2017	PP-214	274474	798904	234	0.10	Grass, heather, trees, dry	H12a/U4
16 November 2017	PP-215	274547	798927	235	0.04	Grass, dry	OV25/MG6/U4
26 November 2017	PP-216	274616	798944	236	0.17	Grass, trees, dry	W17
16 November 2017	PP-217	274683	798961	243	0.10	Grass, trees, dry	H10/H12a/U4
16 November 2017	PP-218	274759	798978	246	0.15	Grass, trees, dry	CP
26 November 2017	PP-219	274746	798933	238	0.10	Grass, trees, dry	H12a

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26 November 2017	PP-220	274959	799015	-	-	No access	W11/U4
14 November 2017	PP-221	274963	798970	241	0.13	Heather, dry	H12a
14 November 2017	PP-222	275057	798986	240	0.10	Heather, dry	H12a
26 November 2017	PP-223	275023	799031	239	0.20	Grass, heather, dry	W11/U4
14 November 2017	PP-224	275251	799037	258	0.22	Moss, heather, dry	H12a/SWS
23 November 2017	PP-225	275050	799200	-	-	No access, water	W11
23 November 2017	PP-226	275150	799200	-	-	No access, water	W11
14 November 2017	PP-227	275250	799200	278	0.15	Grass, heather, wet	W11
14 November 2017	PP-228	275350	799200	264	0.10	Long grass, dry	W11
14 November 2017	PP-229	275300	799150	266	0.10	Rough grass, dry	MG1
23 November 2017	PP-230	275400	799150	251	0.15	Grass, trees, dry	U4a/U2a
14 November 2017	PP-231	275100	799100	267	0.20	Rough grass, dry	U4
14 November 2017	PP-232	275100	799150	267	0.20	Rough grass, dry	U4
26 November 2017	PP-233	275100	799050	243	0.10	Heather, trees, dry	U4/U2/H12a
14 November 2017	PP-234	275200	799100	267	0.20	Rough grass, dry	U4/U2/H12a
23 November 2017	PP-235	275200	799150	244	0.25	Grass, dry	U4
23 November 2017	PP-236	275150	799150	246	0.25	Grass, dry	U4
23 November 2017	PP-237	275250	799150	243	0.30	Grass, dry	U4
14 November 2017	PP-238	275150	799100	267	0.20	Rough grass, dry	U4
14 November 2017	PP-239	275350	799100	250	0.36	Grass, dry	U4a/U2a
14 November 2017	PP-240	275150	799000	240	0.17	Heather, dry	H12a
26 November 2017	PP-241	275150	799050	243	0.10	Heather, trees, dry	H12a
26 November 2017	PP-242	275200	799050	250	0.20	Grass, heather, dry	H12a
14 November 2017	PP-243	275550	799400	233	0.31	Grass, dry	U4b
14 November 2017	PP-244	275550	799300	267	0.16	Grass, dry	U4
14 November 2017	PP-245	275500	799350	261	0.09	Grass, dry	U4b
14 November 2017	PP-246	275550	799348	260	0.12	Grass, dry	U4
14 November 2017	PP-247	275600	799350	267	0.15	Grass, dry	U4
14 November 2017	PP-248	275496	799252	265	0.10	Grass, dry	U4
23 November 2017	PP-249	275404	799302	235	0.35	Grass, dry	U4b
14 November 2017	PP-250	275452	799301	265	0.17	Grass, dry	U4
14 November 2017	PP-251	275402	799251	265	0.19	Grass, dry	U4
23 November 2017	PP-252	275449	799252	239	0.45	Grass, dry	U4
14 November 2017	PP-253	275445	799100	252	0.28	Grass, trees, dry	W11d
23 November 2017	PP-254	275445	799151	251	0.10	Grass, trees, dry	U4a/U2a
23 November 2017	PP-255	275491	799152	257	0.15	Grass, trees, dry	U4a/U2a
14 November 2017	PP-256	275548	799152	263	0.48	Grass, dry	U4b
23 November 2017	PP-257	275550	799202	248	0.15	Grass, trees, dry	BP
23 November 2017	PP-258	275550	799251	248	0.15	Grass, dry	U4b/U2a/MG1a
14 November 2017	PP-259	275600	799450	223	0.34	Grass, dry	U4b
14 November 2017	PP-260	275650	799500	224	1.00	Grass, reeds, wet	U4b
14 November 2017	PP-261	275700	799450	224	0.90	Grass, reeds, wet	MG9/MG10a/U4b
14 November 2017	PP-262	275650	799400	236	0.40	Grass, dry	U4b
14 November 2017	PP-263	275650	799450	222	0.90	Grass, reeds, dry	MG9/MG10a/U4b

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14 November 2017	PP-264	275750	799500	224	0.23	Grass, dry	U4b
14 November 2017	PP-265	275652	799254	247	0.21	Grass, dry	U4b
14 November 2017	PP-266	275749	799356	239	0.15	Grass, dry	U4b
14 November 2017	PP-267	275846	799454	237	0.20	Grass, dry	U4b
14 November 2017	PP-268	275700	799550	223	0.40	Grass, reeds, wet	U4b
14 November 2017	PP-269	275800	799550	241	0.19	Grass, dry	U4b
14 November 2017	PP-270	275750	799600	223	0.50	Grass, reeds, dry	U4b
14 November 2017	PP-271	275750	799550	223	1.10	Reeds, wet	U4b
10 November 2017	PP-272	275850	799600	224	0.10	Grass, dry	RW
10 November 2017	PP-273	275900	799750	225	0.27	Grass, dry	-
10 November 2017	PP-274	275900	799650	225	0.13	Grass, dry	RW
30 November 2017	PP-275	275850	799650	223	0.10	Grass, dry	W6
30 November 2017	PP-276	275800	799700	223	-	No access, shinty pitch	-
10 November 2017	PP-277	275800	799650	224	0.15	Grass, dry	-
10 November 2017	PP-278	275850	799700	224	0.11	Grass, dry	-
30 November 2017	PP-279	275950	799800	226	0.20	Grass, dry	MG1
23 November 2017	PP-280	275950	799700	217	0.05	Grass, trees, dry	RW
10 November 2017	PP-281	275950	799750	-	-	No access	RW
23 November 2017	PP-282	276000	799750	217	0.05	Grass, dry	U4b
07 November 2017	PP-283	276000	799900	229	0.03	Grass, dry	U4b
30 November 2017	PP-284	275950	799900	226	0.05	Grass, trees, dry	-
30 November 2017	PP-285	275900	799850	227	0.20	Grass, dry	-
30 November 2017	PP-286	275950	799850	228	0.70	Grass, trees, dry	MG1
07 November 2017	PP-287	276000	799850	232	0.03	Grass, trees, Dry	U4b
07 November 2017	PP-288	276050	799900	229	0.05	Grass, Dry	U4b
07 November 2017	PP-289	276100	799950	226	0.26	Grass, Dry	U4b
23 November 2017	PP-290	276100	799800	231	0.30	Grass, Dry	M23a
07 November 2017	PP-291	276050	799800	230	0.67	Grass, trees, dry	U4b
23 November 2017	PP-292	276100	799850	225	0.05	Grass, trees, dry	U4b
07 November 2017	PP-293	276050	799850	226	0.03	Grass, trees, dry	U4b
23 November 2017	PP-294	276050	799700	225	0.15	Grass, trees, dry	U4b/U2a/MG1a
07 November 2017	PP-295	276050	799750	229	0.10	Grass, moss, trees, dry	W6e
08 November 2017	PP-296	276100	799750	233	0.25	Grass, trees, dry	W7a
08 November 2017	PP-297	276150	799800	225	0.03	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
23 November 2017	PP-298	276150	799900	220	0.10	Grass, trees, dry	U4b
09 November 2017	PP-299	276200	799700	225	0.30	Grass, reeds, wet	U4b/M23a
09 November 2017	PP-300	276150	799700	225	0.11	Grass, moss, wet	U4b/M23a
09 November 2017	PP-301	276200	799750	227	0.07	Grass, reeds, dry	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-302	276150	799749	225	0.10	Grass, trees, dry	U4b/M23a
09 November 2017	PP-303	276300	799800	220	0.13	Grass, reeds, wet	U4b/MG9a/MG10a/M23a/S9a
09 November 2017	PP-304	276300	799750	223	1.84	Grass, reeds, trees, wet	S10a/SWS
09 November 2017	PP-305	276250	799750	222	0.30	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
09 November 2017	PP-306	276250	799700	223	0.06	Grass, dry	U4b
09 November 2017	PP-307	276250	799800	223	0.30	Grass, wet	U4b/MG9a/MG10a/M23a/S9a

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09 November 2017	PP-308	276300	799850	221	0.10	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-309	276250	799900	224	0.13	Grass, reeds, wet	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-310	276250	799850	223	0.11	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-311	276200	799850	225	0.15	Grass, reeds, wet	U4b/MG9a/MG10a/M23a/S9a
09 November 2017	PP-312	276350	799800	222	0.37	Grass, reeds, wet	S10a/SWS
09 November 2017	PP-313	276400	799850	222	1.30	Grass, wet	S11a/M23b/S9a/M27a
09 November 2017	PP-314	276350	799850	222	0.32	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-315	276350	799900	222	0.11	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
07 November 2017	PP-316	276150	800000	227	0.05	Grass, dry	U4b
23 November 2017	PP-317	276250	800000	229	0.15	Grass, dry	MG1a/SWS
08 November 2017	PP-318	276350	800000	224	0.15	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-319	276350	799950	225	0.12	Reeds, dry	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-320	276300	799950	225	0.07	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-321	276250	799950	225	0.05	Grass, reeds, dry	U4b/MG9a/MG10a/M23a/S9a
23 November 2017	PP-322	276200	799950	229	0.20	Grass, dry	W6e
07 November 2017	PP-323	276150	799950	226	0.07	Grass, dry	U4b
07 November 2017	PP-324	276100	800050	224	0.20	Grass, dry	U4b
08 November 2017	PP-325	276150	800100	223	0.13	Grass, dry	U4b
07 November 2017	PP-326	276200	800050	224	0.05	Grass, dry	U4b
07 November 2017	PP-327	276150	800050	225	0.07	Grass, dry	U4b
08 November 2017	PP-328	276250	800100	226	0.20	Grass, dry	MG9/MG10a
08 November 2017	PP-329	276350	800100	220	0.23	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-330	276300	800050	222	0.15	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
07 November 2017	PP-331	276250	800050	227	0.03	Grass, trees, dry	U4/MG1/OV27
08 November 2017	PP-332	276350	800050	224	0.05	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-333	276400	800050	226	0.06	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-334	276100	800150	223	0.08	Grass, dry	U4b
23 November 2017	PP-335	276300	800150	222	0.10	Grass, wet	MG9/MG10a
08 November 2017	PP-336	276200	800150	220	0.20	Grass, dry	U4b
08 November 2017	PP-337	276150	800150	223	0.10	Grass, dry	U4b
08 November 2017	PP-338	276250	800150	222	0.05	Grass, dry	U4b
08 November 2017	PP-339	276000	800000	-	-	No access, water	-
14 December 2017	PP-340	276050	800000	221	0.30	Grass, heather, moss, dry	U4b
07 November 2017	PP-341	276000	800050	223	0.05	Grass, trees, dry	RW
07 November 2017	PP-342	276050	800050	225	0.04	Grass, dry	U4b
08 November 2017	PP-343	276050	800100	226	0.03	Grass, dry	U4b
07 November 2017	PP-344	276000	799950	227	0.05	Grass, dry	U4b
07 November 2017	PP-345	276050	799950	226	0.04	Grass, dry	U4b
30 November 2017	PP-346	275950	799950	227	0.80	Grass, trees, dry	-
08 November 2017	PP-347	276400	799950	224	0.05	Grass, reeds, dry	U4b/MG9a/MG10a/M23a/S9a
23 November 2017	PP-348	276300	800125	228	0.20	Grass, dry	U4/MG1/OV27
08 November 2017	PP-349	276300	800075	232	0.13	Grass, dry	MG1a/SWS
08 November 2017	PP-350	276300	800025	223	0.08	Grass, reeds, wet	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-351	276275	800150	220	0.21	Reeds, wet	MG9/MG10a

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09 November 2017	PP-352	276250	800125	221	0.12	Grass, dry	MG9/MG10a
08 November 2017	PP-353	276250	800075	224	0.06	Grass, dry	MG9/MG10a
08 November 2017	PP-354	276250	799975	224	0.05	Grass, dry	MG1a/SWS
08 November 2017	PP-355	276250	799925	225	0.11	Grass, reeds, dry	U4b/MG9a/MG10a/M23a/S9a
09 November 2017	PP-356	276275	800125	225	0.08	Grass, dry	MG9/MG10a
08 November 2017	PP-357	276275	800100	225	0.12	Grass, dry	U4/MG1/OV27
23 November 2017	PP-358	276275	800075	227	0.30	Grass, dry	M23a
08 November 2017	PP-359	276275	800025	221	0.26	Grass, dry	MG1a/SWS
08 November 2017	PP-360	276275	800000	224	0.05	Grass, moss, dry	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-361	276275	799950	225	0.06	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-362	276275	799975	225	0.06	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-363	276300	799975	224	0.07	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-364	276325	800000	224	0.06	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
07 November 2017	PP-365	276225	800000	228	0.25	Grass, moss, dry	W6e
07 November 2017	PP-366	276200	799975	226	0.10	Grass, trees, dry	W6e
23 November 2017	PP-367	276200	799875	223	0.20	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-368	276200	799825	224	0.18	Grass, reeds, wet	U4b/MG9a/MG10a/M23a/S9a
23 November 2017	PP-369	276225	799950	228	0.15	Grass, dry	MG1a/SWS
08 November 2017	PP-370	276225	799925	225	0.10	Grass, reeds, wet	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-371	276225	799900	225	0.13	Grass, wet	U4b/MG9a/MG10a/M23a/S9a
23 November 2017	PP-372	276250	799875	223	0.20	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
23 November 2017	PP-373	276225	799875	223	0.20	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-374	276225	799850	224	0.11	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
23 November 2017	PP-375	276175	799925	223	0.20	Grass, dry	W6e
07 November 2017	PP-376	276175	799950	224	0.04	Grass, dry	S10/S9a
23 November 2017	PP-377	276150	799875	231	0.30	Grass, dry	W6e
07 November 2017	PP-378	276125	799850	230	0.10	Grass, trees, dry	W6e
23 November 2017	PP-379	276075	799800	233	0.05	Grass, trees, dry	W6e
23 November 2017	PP-380	276075	799750	228	0.15	Grass, dry	U4b/SWS/MG1b
08 November 2017	PP-381	276100	799725	228	0.15	Grass, trees, dry	W7a
08 November 2017	PP-382	276075	799725	229	0.20	Grass, trees, dry	U4b/SWS/MG1b
23 November 2017	PP-383	276075	799775	226	0.20	Grass, trees, dry	W6e
23 November 2017	PP-384	276000	799725	218	0.05	Grass, trees, dry	U4b
07 November 2017	PP-385	276225	800050	224	0.14	Grass, dry	MG9/MG10a
07 November 2017	PP-386	276200	800025	226	0.05	Grass, dry	U4b
07 November 2017	PP-387	276225	800025	226	0.26	Grass, dry	S10/S9a
09 November 2017	PP-388	276200	800075	222	0.08	Grass, dry	U4b
08 November 2017	PP-389	276225	800100	224	0.20	Grass, dry	U4b
09 November 2017	PP-390	276225	800075	223	0.10	Grass, dry	U4b
08 November 2017	PP-391	276400	800150	223	0.08	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
23 November 2017	PP-392	276350	800150	219	0.20	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-393	276350	800125	223	0.25	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
23 November 2017	PP-394	276325	800100	221	0.20	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
23 November 2017	PP-395	276325	800125	227	0.20	Grass, dry	MG1a/SWS



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08 November 2017	PP-396	276375	800100	221	0.09	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-397	276400	800125	223	0.08	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
23 November 2017	PP-398	276375	800150	219	0.12	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-399	276375	800125	224	0.12	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
09 November 2017	PP-400	276300	800175	222	0.10	Grass, dry	MG9/MG10a
23 November 2017	PP-401	276350	800200	229	0.15	Grass, dry	MG1a/SWS
08 November 2017	PP-402	276350	800175	223	0.08	Grass, moss, dry	MG1a/SWS
23 November 2017	PP-403	276325	800200	222	0.10	Grass, dry	U4/MG1/OV27
23 November 2017	PP-404	276325	800175	226	0.30	Grass, wet	U4/MG1/OV27
08 November 2017	PP-405	276375	800200	222	0.10	Grass, reeds, dry	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-406	276375	800175	223	0.10	Grass, reeds, dry	U4b
08 November 2017	PP-407	276400	800175	222	0.12	Grass, reeds, dry	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-408	276450	800200	224	0.12	Grass, reeds, dry	U4b
08 November 2017	PP-409	276500	800350	223	0.05	Grass, dry	U4b
08 November 2017	PP-410	276550	800300	222	0.06	Grass, dry	U4b
08 November 2017	PP-411	276650	800300	222	0.12	Grass, dry	U4b
08 November 2017	PP-412	276700	800350	220	0.30	Grass, dry	U4b
08 November 2017	PP-413	276650	800400	221	0.20	Grass, dry	U4b
08 November 2017	PP-414	276550	800400	220	0.15	Grass, reeds, wet	M23b/S11a/S9a
08 November 2017	PP-415	276550	800350	223	0.26	Reeds, grass, dry	U4b
08 November 2017	PP-416	276600	800350	222	0.11	Grass, dry	U4b
08 November 2017	PP-417	276650	800350	222	0.11	Grass, dry	U4b
08 November 2017	PP-418	276250	800300	221	0.20	Grass, dry	U4b
30 November 2017	PP-419	276299	800394	-	-	No access, water	NSA
30 November 2017	PP-420	276243	800382	-	-	No access, water	NSA
30 November 2017	PP-421	276240	800423	217	0.05	Grass, Dry	RW
30 November 2017	PP-422	276247	800341	-	-	No access, water	NSA
30 November 2017	PP-423	276298	800440	-	-	No access, water	RW
08 November 2017	PP-424	276350	800300	219	0.20	Grass, dry	U4b
08 November 2017	PP-425	276210	800239	221	0.27	Grass, dry	U4b
08 November 2017	PP-426	276275	800250	220	0.05	Grass, dry	U4b
30 November 2017	PP-427	276228	800489	-	-	No access, water	M27
08 November 2017	PP-428	276609	800458	219	0.04	Grass, dry	U4b
10 November 2017	PP-429	276349	800544	233	0.20	Grass, trees, dry	W6b
30 November 2017	PP-430	276212	800528	223	0.05	Grass reeds	BG/BD
10 November 2017	PP-431	276415	800684	234	0.33	Grass, dry	MG6
10 November 2017	PP-432	276533	800549	232	0.07	Grass, dry	U4b/U4a
10 November 2017	PP-433	276578	800674	234	0.09	Grass, dry	U4b
10 November 2017	PP-434	276500	800850	226	0.09	Grass, trees, dry	U4/M23a/OV27/W6/OV25/MG1
10 November 2017	PP-435	276800	801100	233	0.13	Grass, trees, dry	W7a
10 November 2017	PP-436	276804	801161	228	1.00	Grass, moss, dry	U4b/MG1a/U2a
10 November 2017	PP-437	276850	801200	225	0.09	Grass, dry	U4b
14 November 2017	PP-438	276850	801175	236	0.10	Grass, dry	CP
10 November 2017	PP-439	276680	801013	227	0.24	Grass, wet	U4b/U4a/OV25

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10 November 2017	PP-440	276680	801063	229	0.12	Grass, dry	W7a/U4a
10 November 2017	PP-441	276680	800963	229	0.30	Grass, dry	U4b/U4a/OV25
10 November 2017	PP-442	276751	801300	233	0.08	Grass, dry	U4b/MG1a/U20a
10 November 2017	PP-443	276750	801200	230	0.07	Grass, dry	U4b
10 November 2017	PP-444	276687	801248	232	0.20	Grass, dry	U4b/MG1
10 November 2017	PP-445	276850	801400	237	0.06	Grass, dry	U4b
10 November 2017	PP-446	276925	801538	232	0.10	Grass, dry	U4b
10 November 2017	PP-447	277057	801525	230	0.09	Grass, dry	U4b
10 November 2017	PP-448	277007	801575	231	0.10	Grass, dry	U4b
23 November 2017	PP-449	277057	801575	234	0.15	Grass, Dry	U4b
07 November 2017	PP-450	277388	801826	239	0.09	grass, trees, dry	U20a/U4b
03 November 2017	PP-451	277588	801876	247	0.01	grass, ferns, trees, dry	W10/W11
03 November 2017	PP-452	278400	802100	250	0.08	grass, dry	MG6
03 November 2017	PP-453	278300	802100	257	0.05	grass, trees, dry	W10/OV25a
03 November 2017	PP-454	278500	802100	247	0.03	grass, trees, dry	RTP
23 November 2017	PP-455	278400	802050	234	0.11	Grass, dry	MG6
03 November 2017	PP-456	278500	802050	237	0.40	long grass, trees, dry	BG/MG1/OV24/OV25a
23 November 2017	PP-457	278300	802050	238	0.13	grass, trees, dry	W10/OV25a
01 November 2017	PP-458	278776	802019	238	0.05	Grass, dry	U4b/SWS
01 November 2017	PP-459	278826	802019	240	0.15	Grass, dry	U4b/SWS
03 November 2017	PP-460	278750	802150	231	0.43	grass, dry	MG7
23 November 2017	PP-461	279016	802272	-	-	No access, garden	BD/BG
02 November 2017	PP-462	279076	802327	232	0.05	Grass, dry	MG7
03 November 2017	PP-463	279000	802250	230	0.03	Grass, dry	CP
02 November 2017	PP-464	279050	802300	231	0.07	Grass, dry	BD/BG
02 November 2017	PP-465	279100	802350	230	0.06	Grass, dry	MG7
02 November 2017	PP-466	279138	802363	228	0.04	Grass, dry	MG7
02 November 2017	PP-467	279186	802431	231	0.05	Grass, dry	MG7
02 November 2017	PP-468	279270	802518	231	0.05	Grass, dry	MG7
02 November 2017	PP-469	279408	802629	234	0.05	Grass, dry	MG7
02 November 2017	PP-470	279460	802679	235	0.05	Grass and reeds, dry	MG7
02 November 2017	PP-471	279525	802743	238	0.05	Grass and reeds, dry	MG7
02 November 2017	PP-472	279564	802783	243	0.04	Grass, dry	MG7
23 November 2017	PP-473	280001	803152	238	0.10	Grass, dry	MG6/MG1
02 November 2017	PP-474	280231	803273	254	0.13	Reeds and grass	MG6/MG1
30 November 2017	PP-475	280475	803359	225	0.15	Grass, reeds, dry	W11/W17
01 November 2017	PP-476	280854	803544	253	0.20	Grass, dry	MG6
01 November 2017	PP-477	280955	803604	249	0.20	Grass and trees, dry	W11/W17/U20a
01 November 2017	PP-478	280981	803552	224	0.10	Grass and trees, dry	W11c/W11d/U4b
01 November 2017	PP-479	281064	803625	231	0.10	Grass and trees, dry	W11c/W11d/U4b
23 November 2017	PP-480	281077	803716	225	0.20	Ferns, trees, dry	W11/W17
02 November 2017	PP-481	281532	804008	236	0.05	Grass, trees, dry	W11c
02 November 2017	PP-482	281534	803961	299	0.50	Grass, ferns and trees, dry	S4a
14/12/2014	PP-483	275946	799552	226	0.10	Grass, reeds, dry	U4b

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14 December 2017	PP-484	276049	799651	224	0.20	Grass, reeds, dry	U4b
14 November 2017	PP-485	275352	799251	239	0.27	Grass, dry	W11
26 November 2017	PP-486	274653	798821	255	0.10	Grass, trees, dry	W17d
26 November 2017	PP-487	274726	798861	250	0.10	Grass, trees, dry	CP
16 November 2017	PP-488	273989	798761	240	0.25	Grass, dry	U4b/U1b/CG10a/H10a
15 November 2017	PP-489	274084	798463	232	0.90	Grass, reeds, wet	M23a/M6d/U4a/M6a
15 November 2017	PP-490	274075	798700	232	0.35	Reeds, grass, dry	M23a/M6d/U4a/M6a
15 November 2017	PP-491	274125	798700	231	0.70	Reeds, wet	M23a/M6d/U4a/M6a
15 November 2017	PP-492	274150	798725	231	1.40	Reeds, wet	M23a/M6d/U4a/M6a
15 November 2017	PP-493	274100	798725	232	0.12	Grass, dry	M23a/M6d/U4a/M6a
15 November 2017	PP-494	274125	798725	232	0.30	Reeds, grass, dry	M23a/M6d/U4a/M6a
15 November 2017	PP-495	274075	798650	231	1.00	Reeds, wet	M23a/M6d/U4a/M6a
15 November 2017	PP-496	274075	798675	231	0.90	Reeds, wet	M23a/M6d/U4a/M6a
15 November 2017	PP-497	274050	798675	232	0.35	Reeds, grass, dry	M23a/M6d/U4a/M6a
15 November 2017	PP-498	274025	798650	233	0.66	Reeds, dry	M23a/M6d/U4a/M6a
15 November 2017	PP-499	274025	798675	232	0.35	Reeds, grass, dry	M23a/M6d/U4a/M6a
15 November 2017	PP-500	274100	798675	231	0.80	Reeds, wet	M23a/M6d/U4a/M6a
15 November 2017	PP-501	274125	798650	234	0.21	Reeds, wet	M23a/M6d/U4a/M6a
15 November 2017	PP-502	274125	798675	234	0.21	Reeds, grass, dry	M23a/M6d/U4a/M6a
15 November 2017	PP-503	274150	798675	234	0.30	Reeds, grass, dry	M23a/M6d/U4a/M6a
15 November 2017	PP-504	274075	798725	235	0.30	Grass, moss, dry	U4a/U2a/U4b/H12a
15 November 2017	PP-505	274000	798675	235	0.05	Grass, dry	M23a/M6d/U4a/M6a
15 November 2017	PP-506	274025	798700	235	0.30	Grass, moss, dry	U4a/U2a/U4b/H12a
15 November 2017	PP-507	273950	798675	237	0.15	Grass, dry	U4a/U2a/U4b/H12a
15 November 2017	PP-508	273975	798675	236	0.21	Grass, dry	M23a/M6d/U4a/M6a
15 November 2017	PP-509	273975	798650	232	0.20	Reeds, wet	M23a/M6d/U4a/M6a
16 November 2017	PP-510	273925	798700	239	0.10	Grass, dry	H10a/U2a
15 November 2017	PP-511	273925	798650	195	0.20	Grass, dry	M23a/M6d/U4a/M6a
24 November 2017	PP-512	273925	798675	234	0.10	Grass, dry	U4a/U2a/U4b/H12a
15 November 2017	PP-513	273875	798600	236	0.35	Reeds, grass, dry	M23a/M6d/U4a/M6a
15 November 2017	PP-514	273900	798625	236	0.20	Reeds, dry	M23a/M6d/U4a/M6a
15 November 2017	PP-515	273875	798625	236	0.05	Grass, dry	M23a/M6d/U4a/M6a
24 November 2017	PP-516	273850	798700	245	0.10	Grass, dry	U4b/U1b/CG10a/H10a
24 November 2017	PP-517	273800	798650	234	0.10	Grass, dry	H10a/U2a
15 November 2017	PP-518	273825	798600	234	0.30	Reeds, wet	U4b/MG6
24 November 2017	PP-519	273714	798578	232	0.10	Grass, dry	U4b/MG6
16 November 2017	PP-520	273645	798604	245	0.15	Grass, moss, heather	H10a/U2a
24 November 2017	PP-521	273698	798647	244	0.05	Grass, dry	MG7/U4b
24 November 2017	PP-522	273745	798629	234	0.10	Grass, dry	H10a/U2a
16 November 2017	PP-523	273749	798648	246	0.10	Grass, dry	H10a/U2a
16 November 2017	PP-524	273697	798626	242	0.20	Grass, dry	H10a/U2a
16 November 2017	PP-525	273825	798674	245	0.12	Grass, dry	H10a/U2a
24 November 2017	PP-526	273522	798552	233	0.10	Grass, dry	H10a/U2a
24 November 2017	PP-527	273535	798528	234	0.05	Grass, dry	H12a

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24 November 2017	PP-528	273585	798528	232	0.01	Grass, dry	U4b/MG6
24 November 2017	PP-529	273623	798551	230	0.01	Grass, dry	U4b/MG6
22 November 2017	PP-530	273291	798466	240	0.05	Grass, dry	RTP
16 November 2017	PP-531	273345	798486	240	0.03	Grass, dry	RTP
21 November 2017	PP-532	272858	798224	257	0.05	Heather, dry	H12a/U4a
21 November 2017	PP-533	272958	798274	248	0.20	Grass, dry	U4a/H12a
25 November 2017	PP-534	272250	798050	242	0.15	Grass, dry	W11/U4
27 November 2017	PP-535	272478	798124	260	0.10	Grass, dry	A9
20 November 2017	PP-536	272564	798137	270	0.13	Moss, trees, dry	W17
14 December 2017	PP-537	272402	798134	240	0.10	Heather, moss, wet	W11/W17
27 November 2017	PP-538	272380	798058	261	0.10	Grass, dry	W11d
05 December 2017	PP-539	271150	797450	256	0.30	Moss, grass, trees, dry	CP/W17
26 November 2017	PP-540	270000	796850	261	0.10	Grass, trees, dry	W11/U4/W17/S9a
30 October 2017	PP-541	270083	796961	257	0.20	Trees, dry	W17/W11
14 December 2017	PP-542	270100	796850	248	0.30	Moss, reeds, wet	H12a/SWS
05 December 2017	PP-543	270000	796550	258	1.30	Reeds, moss, heather, dry	H12a/SWS
24 October 2017	PP-544	269500	796250	273	0.50	Grass, trees, dry	W17/H12a/W11/U4/MG1
25 October 2017	PP-545	269301	795401	304	0.24	Heather, trees, dry	W17b/H12a
25 October 2017	PP-546	269251	795301	307	0.39	Heather, dry	H12a
25 October 2017	PP-547	269250	795201	296	0.30	Heather, trees, dry	W17b/H12a
27 November 2017	PP-548	269169	795209	-	-	No access, railway boundary	W11/U4/W17/U20
25 October 2017	PP-549	269350	795650	282	0.12	Heather, trees, dry	W17b
25 October 2017	PP-550	269352	795725	274	0.10	-	U4b
25 October 2017	PP-551	269426	795763	273	0.30	Long grass, dry	SWS/H12a
25 November 2017	PP-552	269250	794700	280	0.90	Long rough grass and heather, wet	M15b/M19a
25 November 2017	PP-553	269300	794750	278	1.10	Long rough grass and heather, wet	M25a/M15b
25 November 2017	PP-554	269250	794750	280	1.00	Long rough grass and heather, wet	M15b/M19a
25 November 2017	PP-555	269250	794800	286	0.90	Long rough grass and heather, wet	M15b/M19a
25 November 2017	PP-556	269200	794750	280	1.00	Long rough grass and heather, wet	M15b/M19a
26 October 2017	PP-557	269057	794524	290	0.48	Long rough grass, Wet	U4a
26 October 2017	PP-558	269050	794500	290.8	0.10	Long rough grass, Wet	U4a
26 October 2017	PP-559	269078	794562	285	1.00	Long rough grass, dry	W7a/W7b/W11d/M15b
26 October 2017	PP-560	269070	794400	296	0.38	Long rough grass and heather, dry	W7a/W7b/W11d/M15b
26 October 2017	PP-561	269050	794450	293	1.60	Long rough grass, dry	W7a/W7b/W11d/M15b
25 October 2017	PP-562	269032	794582	270	0.10	Grass, dry	W11/U4/MG1/U20/W17
26 November 2017	PP-563	269100	794300	321.9	0.30	Long rough grass and heather, dry	H12a/SWS
30 October 2017	PP-564	268974	794128	301	0.82	Long rough grass, dry	-
30 October 2017	PP-565	268924	793880	304	1.80	Long rough grass, dry	-
25 November 2017	PP-566	268877	793866	298	0.20	Grass, dry	-
25 November 2017	PP-567	268889	793933	290	0.10	Grass, dry	-
25 November 2017	PP-568	268929	793981	290	0.10	Grass, dry	-
26 October 2017	PP-569	269200	794350	301	0.85	Long rough grass, dry	M15b
26 October 2017	PP-570	269200	794250	315.7	0.22	Heather, dry	-
26 October 2017	PP-571	269200	794150	271.1	0.27	Heather, dry	-

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26 October 2017	PP-572	269250	794200	316.2	1.55	Long rough grass and heather, dry	-
26 October 2017	PP-573	269250	794150	321.3	0.25	Heather, dry	-
26 October 2017	PP-574	269250	794300	308.1	0.55	Long rough grass and heather, dry	-
26 October 2017	PP-575	269251	794349	308.5	0.90	Long rough grass and boulder, dry	-
26 October 2017	PP-576	269250	794400	305.6	0.85	Long rough grass and heather, dry	M15b/M19a
27 October 2017	PP-577	269300	794350	290	0.85	Long rough grass and heather, dry	-
26 October 2017	PP-578	269250	794250	312	0.55	Long rough grass and heather, wet	-
27 October 2017	PP-579	269300	794250	314.7	0.32	Long rough grass and heather, dry	-
26 October 2017	PP-580	269200	794450	300.9	0.88	Heather, dry	M15b/M19a
26 October 2017	PP-581	269250	794450	307.1	0.80	Long rough grass and heather, dry	M15b/M19a
26 October 2017	PP-582	269250	794500	304.3	0.60	Long rough grass and heather, dry	M15b/M19a
27 October 2017	PP-583	269300	794450	315.3	1.10	Long rough grass and heather, dry	M15b/M19a
25 November 2017	PP-584	269350	794750	290	1.00	Long rough grass and heather, wet	H12a/CP
25 November 2017	PP-585	269300	794850	299	0.90	Long rough grass and heather, wet	M25a/M15b
25 November 2017	PP-586	269350	794850	287	0.90	Long rough grass and heather, wet	H12a/CP
25 November 2017	PP-587	269350	794800	289	1.00	Long rough grass and heather, wet	H12a/CP
25 October 2017	PP-588	269750	796200	271.6	0.50	Long rough grass, dry	M25a
25 October 2017	PP-589	269750	796100	271.9	0.45	Long rough grass, heather and moss, dry	M25a
25 October 2017	PP-590	269850	796100	272.1	0.50	Long rough grass and heather, dry	H12a/CP
25 October 2017	PP-591	269750	796000	274.9	0.85	Heather, wet	M15b
25 October 2017	PP-592	269850	796000	279.5	0.20	Heather, dry	H12a/CP
25 October 2017	PP-593	269750	796300	276.6	0.15	Long rough grass and heather, dry	CP/H12a
25 October 2017	PP-594	269850	796300	270.2	0.40	Heather, dry	M15b
25 October 2017	PP-595	269850	796200	272.9	0.80	Long rough grass and heather, dry	H12a
25 October 2017	PP-596	269750	796250	273.5	0.20	Heather, dry	H12a
25 October 2017	PP-597	269750	796150	273.4	0.50	Long rough grass, heather and moss, wet	M25a
25 October 2017	PP-598	269750	796050	272.9	0.43	Long rough grass and heather, wet	M15b
25 October 2017	PP-599	269800	796050	279.1	0.30	Long rough grass and heather, wet	M15b
25 October 2017	PP-600	269800	796150	271.2	0.70	Long rough grass and heather, dry	M15b
25 October 2017	PP-601	269800	796250	270.7	0.60	Long rough grass and heather, dry	M15b
25 October 2017	PP-602	269850	796250	270	0.75	Long rough grass and heather, dry	H12a
25 October 2017	PP-603	269850	796150	272	0.10	Long rough grass and heather, dry	H12a
25 October 2017	PP-604	269850	796050	278.9	0.25	Heather, dry	H12a/CP
25 October 2017	PP-605	269900	796050	288.5	0.12	Heather, dry	H12a/CP
25 October 2017	PP-606	269900	796150	277.1	0.23	Heather and trees, dry	H12a
25 October 2017	PP-607	269900	796250	279.4	0.10	Heather, dry	H12a/CP
25 October 2017	PP-608	269900	796250	272.8	0.15	Heather, dry	H12a/CP
25 October 2017	PP-609	269900	796350	275.8	0.15	Heather, dry	H12a/CP
25 October 2017	PP-610	269850	796350	273.3	0.45	Heather and moss	M15b
25 October 2017	PP-611	269800	796350	269.8	0.20	Long rough grass, dry	M25a
25 October 2017	PP-612	269850	796400	271.9	0.14	Heather, dry	M15b
25 October 2017	PP-613	269750	796350	277.8	0.05	Heather, Dry	CP/H12a
25 October 2017	PP-614	269700	796150	271.3	0.50	Long rough grass and heather, dry	H12a
25 October 2017	PP-615	269700	796250	276.1	0.20	Heather and trees, dry	CP/H12a

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25 October 2017	PP-616	269700	796050	273	0.22	Long rough grass and heather, dry	M25a
25 October 2017	PP-617	269796	795954	278	1.05	Heather, dry	H12a/CP
25 October 2017	PP-618	269700	795950	278	0.30	Heather, wet	H12a
25 October 2017	PP-619	269650	795950	278.7	0.30	Heather, dry	M17a
25 October 2017	PP-620	269748	795952	278.1	0.23	Heather, dry	M15b
27 October 2017	PP-621	270150	796700	265	0.62	Long rough grass and heather, wet	H12a
27 October 2017	PP-622	270250	796700	266	1.30	Long rough grass, wet	M17b
27 October 2017	PP-623	270350	796700	262	0.20	Heather, dry	H12a
30 October 2017	PP-624	270450	796700	275	0.20	Long rough grass, dry	U4b
30 October 2017	PP-625	270450	796600	276	0.15	Long rough grass, dry	M25a/H12a
27 October 2017	PP-626	270350	796600	263	1.70	Long rough grass, wet	M25a/H12a
27 October 2017	PP-627	270250	796600	265	4.40	Long rough grass and heather, wet	M17b
27 October 2017	PP-628	270150	796600	275	0.17	Heather and moss, dry	H12a/CP
27 October 2017	PP-629	270100	796650	272	0.22	Heather and moss, dry	H12a/SWS
27 October 2017	PP-630	270150	796650	263	2.40	Long rough grass and heather, dry	M25b
27 October 2017	PP-631	270200	796649	265	1.53	Long rough grass, wet	M17b
27 October 2017	PP-632	270250	796650	267	0.46	Heather, dry	H12a
27 October 2017	PP-633	270300	796650	261	0.20	Heather, dry	H12a
27 October 2017	PP-634	270350	796650	262	1.00	Long rough grass, wet	M25a/H12a
27 October 2017	PP-635	270400	796650	268	0.50	Long rough grass and heather, dry	M25a/H12a
30 October 2017	PP-636	270450	796650	277	0.25	Long rough grass, dry	M25a/H12a
30 October 2017	PP-637	270500	796650	282	0.05	Long rough grass, dry	U4b
27 October 2017	PP-638	270200	796750	266	0.18	Heather, dry	H12a
27 October 2017	PP-639	270150	796750	261	0.99	Long rough grass, dry	M19a
27 October 2017	PP-640	270250	796750	266	0.20	Heather and moss, dry	H12a
27 October 2017	PP-641	270300	796750	267	0.17	Heather and moss, dry	H12a
27 October 2017	PP-642	270250	796500	265	0.82	long rough grass and moss, dry	-
27 October 2017	PP-643	270250	796550	276	0.20	Heather, dry	-
27 October 2017	PP-644	270150	796550	284	0.22	Heather and moss, dry	H12a/CP
27 October 2017	PP-645	270200	796550	279	0.20	Heather and moss, dry	H12a/CP
30 October 2017	PP-646	270300	796550	264	2.30	Long rough grass and heather, wet	M15b/M25a/M6a
30 October 2017	PP-647	270350	796550	265	1.50	Long rough grass, dry	M15b/M25a/M6a
30 October 2017	PP-648	270350	796500	271	0.25	Long rough grass, dry	-
30 October 2017	PP-649	270400	796550	272	0.20	Long rough grass, dry	M25a/H12a
30 October 2017	PP-650	270450	796550	282	0.15	Long rough grass, dry	H12a/CP
30 October 2017	PP-651	270500	796550	288	0.15	Long rough grass, dry	M25a/H12a
30 October 2017	PP-652	270450	796500	282	0.20	Long rough grass, dry	M25a/H12a
27 October 2017	PP-653	270250	796900	259	0.27	Long rough grass, dry	U5a
27 October 2017	PP-654	270200	796850	259	0.36	Long rough grass and heather, wet	H12a
27 October 2017	PP-655	270250	796850	267	0.14	Heather and moss, dry	H12a
27 October 2017	PP-656	270300	796850	256	0.47	Long rough grass and moss, wet	M6a
27 October 2017	PP-657	270400	796850	263	0.12	Long rough grass and moss, wet	U4a
27 October 2017	PP-658	270350	796850	257	1.20	Long rough grass and moss, wet	H12a/SWS
30 October 2017	PP-659	270033	796936	253	0.50	Trees, dry	W17/W11

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26 November 2017	PP-660	270083	796961	261	0.10	Heather, grass, wet	W17/W11
21 November 2017	PP-661	271600	797250	232	0.60	Grass, heather, dry	M15b/M25a/H12a
21 November 2017	PP-662	271550	797201	278	1.00	Long grass, wet	M15b/M25a/H12a
20 November 2017	PP-663	271100	797050	178	1.20	Heather, wet	H12a/SWS
22 November 2017	PP-664	271000	797050	274	1.60	Long grass, wet	H12a/SWS
20 November 2017	PP-665	271050	797050	274	1.60	Long grass, wet	H12a/SWS
20 November 2017	PP-666	271151	797149	275	2.00	Long grass, wet	H12a/SWS
20 November 2017	PP-667	270900	797050	278	0.11	long rough grass and heather, wet	H12a
20 November 2017	PP-668	271100	797150	274	1.50	Long grass, wet	H12a/SWS
21 November 2017	PP-669	271350	797100	280	0.46	Heather, grass, wet	H12a/SWS
21 November 2017	PP-670	271250	797000	280	0.80	Heather, wet	H12a/SWS
21 November 2017	PP-671	271248	797047	279	0.50	Heather, grass, wet	H12a/SWS
20 November 2017	PP-672	272313	797897	308	0.43	Heather, dry	H12a/U4a/U2b
27 November 2017	PP-673	272403	798025	265	0.30	Grass, trees, dry	H12a/U4a/U2b
27 November 2017	PP-674	272369	797945	295	0.15	Heather, moss, dry	H12a/U4a/U2b
20 November 2017	PP-675	275300	799050	291	0.26	heather and moss, dry	CP
07 November 2017	PP-676	277350	801500	227	0.35	Long grass, wet	M15b/M6d
07 November 2017	PP-677	277399	801551	226	0.60	Long grass, reeds, wet	M6a/M25a
07 November 2017	PP-678	277451	801600	225	0.90	Long grass, wet	M25a/M25c
07 November 2017	PP-679	277449	801552	224	0.98	Long grass, wet	M6a/M25a
07 November 2017	PP-680	277350	801600	226	0.40	Long grass, reeds and trees, wet	M6a/M25a
07 November 2017	PP-681	277350	801550	227	1.20	Long grass, reeds, wet	M15b/M6d
06 November 2017	PP-682	277700	801550	224	2.37	Long grass, wet	S9a/M25a/M25c/M6a
06 November 2017	PP-683	277750	801550	222	2.25	Long grass, wet	S9a/M25a/M25c/M6a
06 November 2017	PP-684	277750	801600	222	1.93	Long grass, wet	M23a/S9a
06 November 2017	PP-685	277751	801649	224	1.05	Long grass, wet	M23a/S9a
06 November 2017	PP-686	277751	801700	226	0.15	Grass, dry	M23a
06 November 2017	PP-687	277649	801702	229	0.40	Long grass, trees, ferns, dry	W3
06 November 2017	PP-688	277650	801650	224	2.05	Long grass, wet	M23a/S9a
06 November 2017	PP-689	277700	801650	224	2.27	Long grass, wet	M23a/S9a
07 November 2017	PP-690	277600	801600	225	1.93	Long grass, water	M25a/M6a/M25c
06 November 2017	PP-691	277650	801600	223	2.40	Water	M23a/S9a
06 November 2017	PP-692	277650	801550	223	2.24	Long grass, Wet	S9a/M25a/M25c/M6a
07 November 2017	PP-693	277550	801551	225	1.92	Long grass, Water	S9a/M25a/M25c/M6a
07 November 2017	PP-694	277600	801550	225	1.90	Long grass, Wet	S9a/M25a/M25c/M6a
07 November 2017	PP-695	277499	801551	224	1.20	Grass, dry	M25a/M6a/M25c
07 November 2017	PP-696	277400	801450	277	0.35	Grass, dry	M25a/S9a/M6c
07 November 2017	PP-697	277350	801450	226	1.20	Long grass, reeds, wet	M15b/M6d
07 November 2017	PP-698	277450	801501	223	1.00	Long grass, wet	S4a/S9a
07 November 2017	PP-699	277448	801448	222	1.86	Long grass, reeds, wet	S4a/S9a
07 November 2017	PP-700	277499	801499	222	0.75	Long grass, wet	M25a/M6a/M25c
07 November 2017	PP-701	277599	801500	224	2.40	Long grass, wet	S9a/M25a/M25c/M6a
07 November 2017	PP-702	277549	801499	225	2.25	Long grass, water	S9a/M25a/M25c/M6a
06 November 2017	PP-703	277650	801500	222	2.50	Long rough grass, wet	S9a/M25a/M25c/M6a

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07 November 2017	PP-704	277448	801400	222	0.42	Long grass and reeds, water	S4a/S9a
07 November 2017	PP-705	277499	801450	223	4.30	Long grass, water	M25a/M6a/M25c
07 November 2017	PP-706	277553	801451	-	-	No access, deep water	S9a/M25a/M25c/M6a
06 November 2017	PP-707	277601	801451	223	0.94	Long grass, wet	S9a/M25a/M25c/M6a
06 November 2017	PP-708	277651	801453	223	0.10	Long rough grass, wet	S9a/M25a/M25c/M6a
07 November 2017	PP-709	277500	801401	223	0.44	Long grass, water	S9a/M25a/M25c/M6a
06 November 2017	PP-710	277553	801399	223	2.60	Long grass, wet	S9a/M25a/M25c/M6a
06 November 2017	PP-711	277603	801400	223	2.12	Long grass, wet	-
07 November 2017	PP-712	277448	801343	226	0.09	Long grass, wet	-
07 November 2017	PP-713	277352	801297	227	0.07	Grass, dry	-
07 November 2017	PP-714	277279	801450	227	1.01	Long grass, moss, dry	M15b/M6d
07 November 2017	PP-715	277500	801650	226	0.25	Long grass and reeds, wet	M23a/S9a/MG9a
07 November 2017	PP-716	277400	801650	225	0.80	reeds, grass and moss, dry	U4a
07 November 2017	PP-717	277450	801650	226	0.62	Long grass, reeds and moss, wet	M25a/M25c
07 November 2017	PP-718	277550	801600	225	1.09	Long grass, water	M6a/M25a
07 November 2017	PP-719	277600	801650	225	2.05	Grass, dry	M23a/S9a
07 November 2017	PP-720	277550	801650	228	0.05	Grass, moss and trees, dry	W11d
07 November 2017	PP-721	277550	801700	237	0.15	Grass, moss and trees, dry	W11d
06 November 2017	PP-722	277700	801750	225	0.47	Long rough grass, wet	M23a
06 November 2017	PP-723	277602	801756	238	0.10	Grass and trees, dry	W11d
23 November 2017	PP-724	277553	801758	232	1.60	Grass, reeds, trees, dry	W11d
23 November 2017	PP-725	277651	801753	229	0.25	Ferns and trees, dry	U20a
07 November 2017	PP-726	277750	801750	231	0.08	Grass, dry	M23a
23 November 2017	PP-727	278391	801957	229	0.10	Trees, dry	CP
23 November 2017	PP-728	278716	802039	225	0.10	Trees, dry	BP
23 November 2017	PP-729	278811	802159	228	0.20	Grass, dry	MG7
03 November 2017	PP-730	278691	802119	236	0.06	Grass, dry	MG7/MG6
01 November 2017	PP-731	278800	802050	238	0.20	Grass, dry	U4b/SWS
01 November 2017	PP-732	280495	803262	238	0.37	Trees, dry	W11c/W11d/U4b
01 November 2017	PP-733	280400	803250	248	0.30	Trees, dry	W11c/W11d/U4b
01 November 2017	PP-734	280653	803337	250	0.30	Trees, dry	W11c/W11d/U4b
01 November 2017	PP-735	280627	803422	264	0.20	Trees, dry	W17
02 November 2017	PP-736	281234	803850	250	0.26	Soil, dry	W11/W17/U20
02 November 2017	PP-737	281350	803950	248	0.20	Long grass and trees, dry	W11/W17/U20
02 November 2017	PP-738	281349	803848	231	0.10	Long grass and heather, dry	W11c
02 November 2017	PP-739	281250	803750	231	0.05	Trees, dry	W11c
01 November 2017	PP-740	281132	803662	230	0.10	Ferns and trees, dry	W11c/W11d/U4b
02 November 2017	PP-741	281450	803950	236	0.10	Long grass and ferns, dry	W11c
01 November 2017	PP-742	280800	803450	243	0.20	Long grass and trees, dry	W11c/W11d/U4b
23 November 2017	PP-743	276350	800250	219	0.10	grass, dry	U4/MG1/OV27
09 November 2017	PP-744	276255	800219	220	0.19	Grass, dry	U4b
08 November 2017	PP-745	276093	800233	221	0.20	Grass, dry	U4b
08 November 2017	PP-746	276150	800250	221	0.25	Grass, dry	U4b
30 November 2017	PP-747	276194	800350	-	-	No access, water	NSA



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30 November 2017	PP-748	276329	800407	-	-	No access, water	NSA
30 November 2017	PP-749	276558	800456	218	0.10	Heather, grass, dry	U4b
27 October 2017	PP-750	269348	794350	317.7	0.33	Long rough grass and heather, dry	-
27 October 2017	PP-751	269348	794302	320	0.27	Heather, dry	-
27 October 2017	PP-752	269350	794449	317.4	0.30	Heather and moss, dry	-
27 October 2017	PP-753	269348	794250	323.5	0.75	Long rough grass, dry	-
27 October 2017	PP-754	269347	794200	323.5	0.85	Heather, dry	-
27 October 2017	PP-755	269347	794401	315.5	0.25	Heather, dry	-
27 October 2017	PP-756	269394	794450	325.4	0.20	Heather and moss, dry	-
27 October 2017	PP-757	269392	794400	325.3	0.26	Heather and moss, dry	-
27 October 2017	PP-758	269390	794352	325.8	0.43	Heather, dry	-
27 October 2017	PP-759	269389	794301	323.7	0.30	Heather, dry	-
27 October 2017	PP-760	269389	794249	323.5	0.38	Long rough grass and heather, wet	-
27 October 2017	PP-761	269387	794198	323.8	1.20	Long rough grass and heather, dry	-
27 October 2017	PP-762	269436	794451	326.2	0.36	Heather, dry	-
27 October 2017	PP-763	269477	794450	332.9	0.19	Heather, dry	-
27 October 2017	PP-764	269517	794451	322.1	0.20	Heather, dry	-
27 October 2017	PP-765	269553	794451	328.9	0.12	Heather and moss, dry	-
27 October 2017	PP-766	269586	794449	326.4	0.11	Heather and moss, dry	-
27 October 2017	PP-767	269434	794401	325.4	0.20	Heather and moss, dry	-
27 October 2017	PP-768	269471	794350	325.2	0.08	Heather, dry	-
27 October 2017	PP-769	269431	794351	326.4	0.10	Heather, dry	-
27 October 2017	PP-770	269474	794400	330.5	0.30	Heather, dry	-
27 October 2017	PP-771	269430	794299	325.2	3.10	Long rough grass and heather, wet	-
27 October 2017	PP-772	269512	794400	327.8	0.35	Heather, dry	-
27 October 2017	PP-773	269550	794399	326.1	0.20	Heather, dry	-
27 October 2017	PP-774	269587	794399	321.5	0.61	Heather, dry	-
27 October 2017	PP-775	269508	794350	328	0.23	Heather, dry	-
27 October 2017	PP-776	269470	794299	322.3	3.51	Long rough grass, moss and heather, wet	-
27 October 2017	PP-777	269507	794296	326.9	4.00	Long rough grass and heather, wet	-
27 October 2017	PP-778	269426	794250	324.1	3.40	Long rough grass and heather, dry	-
27 October 2017	PP-779	269472	794251	323.4	2.80	Long rough grass, moss and heather, wet	-
27 October 2017	PP-780	269508	794251	324.3	4.00	Heather and moss, wet	-
27 October 2017	PP-781	269550	794350	322.5	1.73	Heather and moss, wet	-
27 October 2017	PP-782	269425	794198	325.3	0.36	Long rough grass and heather, dry	-
27 October 2017	PP-783	269472	794200	329.1	0.50	Long rough grass and heather, wet	-
27 October 2017	PP-784	269508	794201	327	2.01	Long rough grass and heather, dry	-
27 October 2017	PP-785	269546	794201	324.4	1.15	Long rough grass and heather, dry	-
25 October 2017	PP-786	269420	795196	300	0.42	Heather, dry	M6a
25 October 2017	PP-787	269434	795223	299	0.62	Heather, trees, dry	M6a
25 October 2017	PP-788	269469	795243	300	2.10	long grass, dry	M6a
25 October 2017	PP-789	269485	795283	296	0.52	Heather, dry	M6a
25 October 2017	PP-790	269512	795322	291	0.12	-	M6a
25 October 2017	PP-791	269547	795355	298	0.13	Heather, dry	-

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25 October 2017	PP-792	269570	795351	296	4.25	Heather, dry	-
25 October 2017	PP-793	269585	795392	293	1.20	Long grass, dry	-
25 October 2017	PP-794	269618	795395	292	1.90	Long grass, trees, dry	-
25 October 2017	PP-795	269618	795438	291	0.77	Heather, dry	-
25 October 2017	PP-796	269653	795439	292	4.50	Heather, dry	-
25 October 2017	PP-797	269688	795440	294	0.91	Heather, dry	-
25 October 2017	PP-798	269686	795475	290	4.90	Heather, trees, dry	-
25 October 2017	PP-799	269687	795517	287	0.50	Heather, dry	-
26 October 2017	PP-800	269800	796450	259.2	0.25	Long rough grass and moss, dry	W7a
26 October 2017	PP-801	269900	796450	271.3	0.44	Heather, dry	M15b
26 October 2017	PP-802	269850	796450	277.2	0.12	Heather, dry	H12a/SWS
26 October 2017	PP-803	269850	796500	283.7	0.14	Heather, dry	H12a/SWS
26 October 2017	PP-804	269750	796400	270.9	0.23	Heather, dry	H12a
26 October 2017	PP-805	269750	796450	264.7	0.60	Long rough grass and heather, dry	W17d/W11d/H12a
31 October 2017	PP-806	270625	797075	270	0.05	Heather and moss, dry	H12a/SWS
31 October 2017	PP-807	270650	797075	268	0.15	Heather and moss, dry	H12a/SWS
24 November 2017	PP-808	270675	797050	265	0.05	Heather, grass, dry	H12a/SWS
31 October 2017	PP-809	270675	797025	268	0.58	Long rough grass and reeds, dry	M15b
31 October 2017	PP-810	270675	797100	266	0.28	Long rough grass and reeds, dry	H12a/SWS
31 October 2017	PP-811	270725	797100	266	0.05	Heather and trees, dry	H12a/SWS
31 October 2017	PP-812	270775	797100	262	0.05	Reeds, dry	M15b
20 November 2017	PP-813	270675	797075	263	0.05	Heather and trees, dry	H12a/SWS
20 November 2017	PP-814	270700	797075	263	0.05	Heather and trees, dry	H12a/SWS
20 November 2017	PP-815	270725	797075	265	0.04	Heather and trees, dry	H12a/SWS
31 October 2017	PP-816	270750	797075	263	0.05	Long rough grass and reeds, dry	M15b
31 October 2017	PP-817	270775	797050	275	0.25	Heather, dry	M15b
31 October 2017	PP-818	270775	797075	265	0.74	Long rough grass, dry	M15b
31 October 2017	PP-819	270800	797075	271	0.22	Heather, dry	M15b
20 November 2017	PP-820	270850	797050	272	0.75	Heather, dry	M15b
20 November 2017	PP-821	270950	797050	277	0.45	Long rough grass and heather, dry	H12a
20 November 2017	PP-822	270950	797100	278	0.10	Long rough grass and heather, dry	H12a
20 November 2017	PP-823	271000	797150	274	0.10	Heather, dry	H12a
20 November 2017	PP-824	271050	797100	277	0.60	Heather, wet	H12a/SWS
20 November 2017	PP-825	271050	797200	279	0.20	Heather, dry	H12a
20 November 2017	PP-826	271050	797150	276	0.20	Heather, wet	H12a/SWS
20 November 2017	PP-827	270950	797200	273	0.10	Heather, dry	H12a
20 November 2017	PP-828	270950	797150	274	0.20	Heather, dry	H12a
24 November 2017	PP-829	270900	797150	257	0.60	Long grass, wet	M15b
20 November 2017	PP-830	270850	797200	256	0.50	Long grass, wet	M25a/M15b
31 October 2017	PP-831	270800	797150	262	0.14	Long rough grass, heather and reeds, wet	M25a/M15b
20 November 2017	PP-832	270850	797150	256	2.10	Long grass, wet	M25a/M15b
31 October 2017	PP-833	270825	797150	260	2.20	Long rough grass, dry	M25a/M15b
24 November 2017	PP-834	270825	797125	260	0.50	Long rough grass, dry	M25a/M15b
31 October 2017	PP-835	270800	797125	262	0.75	Long rough grass and reeds, wet	M15b

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31 October 2017	PP-836	270801	797176	260	0.47	Long rough grass and moss, wet	M25a/M15b
20 November 2017	PP-837	270825	797200	257	0.60	Long grass, wet	M25a/M15b
24 November 2017	PP-838	270875	797200	257	0.70	Long grass, wet	M25a/M15b
20 November 2017	PP-839	270850	797175	257	0.90	Long grass, wet	M25a/M15b
31 October 2017	PP-840	270825	797175	260	0.75	Long rough grass, wet	M25a/M15b
31 October 2017	PP-841	270775	797125	263	0.12	Long rough grass, heather and moss, wet	H12a/SWS
20 November 2017	PP-842	271150	797100	277	1.50	Heather, wet	H12a/SWS
21 November 2017	PP-843	271200	797150	229	0.91	Grass, heather, wet	H12a/SWS
21 November 2017	PP-844	271250	797100	232	0.70	Grass, heather, wet	H12a/SWS
21 November 2017	PP-845	271300	797150	230	0.80	Grass, heather, wet	H12a/SWS
21 November 2017	PP-846	271250	797150	230	1.00	Grass, heather, wet	H12a/SWS
27 November 2017	PP-847	271225	797351	272	0.20	Grass, heather, dry	H12a
20 November 2017	PP-848	271152	797329	275	0.40	Long grass, dry	H12a
27 November 2017	PP-849	271179	797356	270	0.20	Grass, heather, dry	H12a/SWS
27 November 2017	PP-850	271100	797250	275	0.20	Grass, heather, dry	H12a
20 November 2017	PP-851	271000	797250	272	0.30	Long grass, heather, wet	M25a/M15b
20 November 2017	PP-852	271050	797300	269	0.15	Long grass, heather, dry	M25a/M15b
20 November 2017	PP-853	271050	797250	271	0.30	Long grass, heather, dry	M25a/M15b
20 November 2017	PP-854	271075	797300	272	0.20	Long grass, heather, dry	H12a
24 November 2017	PP-855	271025	797300	265	0.25	Heather, wet	M25a/M15b
20 November 2017	PP-856	271127	797329	277	0.20	Long grass, heather, dry	H12a
04 December 2017	PP-857	271050	797000	279	0.20	Heather, grass, dry	H12a/SWS
04 December 2017	PP-858	270950	797000	280	0.05	Leaves, heather, grass	H12a/SWS
24 November 2017	PP-859	270850	797000	276	0.15	Heather, wet	H12a/SWS
20 November 2017	PP-860	271150	797050	278	1.85	Heather, wet	H12a/SWS
04 December 2017	PP-861	271150	797000	282	0.50	Grass, heather, dry	H12a/SWS
21 November 2017	PP-862	271200	797050	279	1.10	Heather, wet	H12a/SWS
21 November 2017	PP-863	271200	797000	280	0.80	Heather, wet	H12a/SWS
21 November 2017	PP-864	271400	797050	280	0.51	Heather, grass, wet	H12a/SWS
21 November 2017	PP-865	271300	797049	279	0.60	Heather, grass, wet	H12a/SWS
21 November 2017	PP-866	271350	797050	280	0.72	Heather, grass, wet	H12a/SWS
21 November 2017	PP-867	271350	797000	279	0.45	Heather, grass, wet	H12a/SWS
21 November 2017	PP-868	271300	797000	280	0.70	Heather, grass, wet	H12a/SWS
21 November 2017	PP-869	271350	797150	280	0.64	Heather, grass, wet	H12a/SWS
21 November 2017	PP-870	271400	797200	278	0.70	Heather, grass, dry	H12a/SWS
21 November 2017	PP-871	271400	797150	280	0.90	Heather, grass, dry	H12a/SWS
21 November 2017	PP-872	271350	797200	278	0.20	Heather, grass, dry	H12a/SWS
21 November 2017	PP-873	271400	797200	278	0.30	Heather, grass, dry	H12a/SWS
21 November 2017	PP-874	271450	797200	276	0.45	Grass, wet	H12a/SWS
21 November 2017	PP-875	271450	797150	279	0.32	Grass, wet	H12a/SWS
21 November 2017	PP-876	271350	797250	276	0.30	Heather, grass, dry	H12a/SWS
21 November 2017	PP-877	271400	797300	276	0.20	Heather, grass, dry	H12a/SWS
21 November 2017	PP-878	271350	797300	276	0.30	Heather, grass, dry	H12a/SWS
21 November 2017	PP-879	271450	797300	275	0.60	Heather, grass, dry	H12a/SWS

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21 November 2017	PP-880	271400	797250	281	0.10	Heather, grass, dry	H12a/SWS
21 November 2017	PP-881	271450	797250	283	0.05	Heather, grass, dry	H12a/SWS
21 November 2017	PP-882	271550	797300	277	0.20	Grass, dry	M15b/M25a/H12a
21 November 2017	PP-883	271550	797251	279	0.60	Heather, grass, dry	M15b/M25a/H12a
21 November 2017	PP-884	271500	797250	279	0.50	Heather, grass, dry	H12a/SWS
21 November 2017	PP-885	271225	797400	275	0.20	Heather, grass, wet	CP/W17d/U4a
21 November 2017	PP-886	271275	797400	271	0.10	Heather, grass, wet	H12a
21 November 2017	PP-887	271250	797375	270	0.25	Heather, grass, wet	H12a
21 November 2017	PP-888	271225	797376	271	0.10	Heather, grass, wet	H12a
27 November 2017	PP-889	271201	797377	271	0.05	Long grass, trees, dry	H12a/SWS
27 November 2017	PP-890	271177	797379	269	0.10	Long grass, trees, dry	CP/W17d/U4a
20 November 2017	PP-891	270979	797273	267	0.30	Long grass, trees, dry	M25a/M15b
20 November 2017	PP-892	270979	797299	260	0.30	Long grass, trees, dry	CP
06 December 2017	PP-893	271450	797350	275	0.30	Grass, heather, dry	H12a/SWS
21 November 2017	PP-894	271350	797350	276	0.05	Heather, grass, dry	H12a
21 November 2017	PP-895	271400	797350	272	0.60	Grass, wet	H12a/SWS
21 November 2017	PP-896	271500	797350	272	0.90	Grass, wet	H12a/SWS
21 November 2017	PP-897	271550	797350	274	0.10	Grass, wet	M15b/M25a/H12a
21 November 2017	PP-898	271700	797350	289	0.10	Grass, dry	H12a/U4a/U2b
21 November 2017	PP-899	271650	797350	281	0.30	Heather, grass, dry	M15b/M25a/H12a
22 November 2017	PP-900	273050	798400	234	0.10	Grass, reeds, dry	U4/CG10a
22 November 2017	PP-901	273025	798400	237	0.10	Grass, moss, dry	U4/CG10a
22 November 2017	PP-902	273075	798400	237	0.10	Grass, moss, dry	U4/CG10a
22 November 2017	PP-903	272994	798424	234	0.06	Grass, dry	U4/CG10a
22 November 2017	PP-904	272998	798467	230	1.40	Water, reeds	M6d/M23b/M3
22 November 2017	PP-905	273031	798479	230	2.40	Water, reeds	M6d/M23b/M3
22 November 2017	PP-906	273036	798489	233	0.05	Grass, dry	M6d/M23b/M3
22 November 2017	PP-907	273057	798481	230	1.40	Water, reeds	M6d/M23b/M3
22 November 2017	PP-908	273067	798474	233	0.15	Grass, dry	M6d/M23b/M3
22 November 2017	PP-909	273005	798437	230	0.05	Grass, dry	U4/CG10a
22 November 2017	PP-910	272996	798477	233	0.05	Grass, dry	M6d/M23b/M3
22 November 2017	PP-911	273100	798420	233	0.07	Grass, dry	U4/CG10a
22 November 2017	PP-912	273125	798423	235	0.10	Grass, reeds, dry	W11
22 November 2017	PP-913	273153	798428	235	0.10	Grass, reeds, dry	W11
15 November 2017	PP-914	274175	798700	231	1.00	Reeds, wet	M23a/M6d/U4a/M6a
15 November 2017	PP-915	274175	798750	232	0.20	Grass, dry	U4a/U2a/U4b/H12a
15 November 2017	PP-916	274200	798725	232	0.46	Grass, reeds, dry	M23a/M6d/U4a/M6a
15 November 2017	PP-917	274175	798725	231	1.20	Reeds, wet	M23a/M6d/U4a/M6a
15 November 2017	PP-918	274200	798675	232	0.90	Reeds, wet	M23a/M6d/U4a/M6a
15 November 2017	PP-919	274200	798625	233	0.50	Reeds, grass, wet	U4b
15 November 2017	PP-920	274175	798650	232	0.60	Reeds, grass, wet	M23a/M6d/U4a/M6a
15 November 2017	PP-921	274175	798675	232	0.91	Reeds, wet	M23a/M6d/U4a/M6a
15 November 2017	PP-922	274150	798625	233	0.50	Reeds, grass, wet	M23a/M6d/U4a/M6a
15 November 2017	PP-923	274100	798625	231	1.10	Reeds, wet	M23a/M6d/U4a/M6a

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15 November 2017	PP-924	274125	798625	233	0.60	Reeds, grass, wet	M23a/M6d/U4a/M6a
15 November 2017	PP-925	274175	798625	233	0.50	Reeds, grass, wet	M23a/M6d/U4a/M6a
15 November 2017	PP-926	274175	798600	234	0.87	Reeds, grass, wet	M23a/M6d/U4a/M6a
16 November 2017	PP-927	274125	798600	234	1.10	Reeds, wet	M23a/M6d/U4a/M6a
16 November 2017	PP-928	274075	798600	232	0.80	Reeds, grass, wet	M23a/M6d/U4a/M6a
16 November 2017	PP-929	274100	798575	231	1.10	Reeds, grass, wet	M23a/M6d/U4a/M6a
16 November 2017	PP-930	274125	798575	231	1.10	Reeds, grass, wet	M23a/M6d/U4a/M6a
16 November 2017	PP-931	274125	798550	231	0.93	Reeds, grass, wet	M23a/M6d/U4a/M6a
16 November 2017	PP-932	274150	798575	233	0.20	Reeds, grass, wet	M23a/M6d/U4a/M6a
16 November 2017	PP-933	274175	798575	233	0.40	Reeds, grass, wet	M23a/M6d/U4a/M6a
16 November 2017	PP-934	274175	798549	231	0.93	Reeds, grass, wet	M23a/M6d/U4a/M6a
16 November 2017	PP-935	274200	798575	233	0.60	Reeds, grass, wet	M23a/M6d/U4a/M6a
16 November 2017	PP-936	274075	798625	232	1.10	Reeds, wet	M23a/M6d/U4a/M6a
16 November 2017	PP-937	274050	798625	232	1.20	Reeds, wet	M23a/M6d/U4a/M6a
16 November 2017	PP-938	274050	798575	232	1.20	Reeds, grass, wet	M23a/M6d/U4a/M6a
16 November 2017	PP-939	274075	798550	233	1.25	Reeds, grass, wet	M23a/M6d/U4a/M6a
16 November 2017	PP-940	274075	798575	231	1.20	Reeds, grass, wet	M23a/M6d/U4a/M6a
16 November 2017	PP-941	274000	798625	232	0.70	Reeds, wet	M23a/M6d/U4a/M6a
16 November 2017	PP-942	274025	798625	232	1.20	Reeds, wet	M23a/M6d/U4a/M6a
16 November 2017	PP-943	274025	798600	234	0.90	Reeds, wet	M23a/M6d/U4a/M6a
16 November 2017	PP-944	274250	798700	230	0.40	Reeds, water	M23a/M6d/U4a/M6a
16 November 2017	PP-945	274300	798750	231	0.52	Reeds, wet	M23a/M6d/U4a/M6a
16 November 2017	PP-946	274250	798750	232	0.47	Grass, reeds, dry	M23a/U4b
16 November 2017	PP-947	274225	798700	230	0.33	Reeds, water	U4b
16 November 2017	PP-948	274225	798750	231	0.18	Reeds, grass, wet	M23a/U4b
16 November 2017	PP-949	274250	798725	235	0.01	Grass, dry	U4b
16 November 2017	PP-950	274225	798725	232	0.46	Grass, reeds, dry	M23a/U4b
16 November 2017	PP-951	274275	798700	232	0.40	Reeds, grass, dry	M23a/M6d/U4a/M6a
16 November 2017	PP-952	274300	798725	231	0.51	Reeds, grass, dry	M23a/M6d/U4a/M6a
16 November 2017	PP-953	274275	798750	232	0.24	Reeds, grass, dry	M23a/M6d/U4a/M6a
26 November 2017	PP-954	274275	798725	229	1.20	Reeds, grass, wet	M23a/M6d/U4a/M6a
16 November 2017	PP-955	274300	798775	232	0.19	Reeds, grass, dry	M23a/M6d/U4a/M6a
26 November 2017	PP-956	274275	798775	230	0.10	Grass, dry	M23a/M6d/U4a/M6a
26 November 2017	PP-957	274175	798803	235	0.05	Grass, dry	U4b/U1b/CG10a/H10a
16 November 2017	PP-958	274200	798775	235	0.11	Heather, dry	H12a
26 November 2017	PP-959	274250	798775	231	0.10	Heather, grass, dry	U4a/U2a/U4b/H12a
26 November 2017	PP-960	274225	798775	236	0.30	Heather, grass, dry	U4a/U2a/U4b/H12a
26 November 2017	PP-961	274275	798800	238	0.20	Heather, grass, dry	H12a
08 November 2017	PP-962	276125	800150	224	0.08	Grass, dry	U4b
08 November 2017	PP-963	276175	800150	222	0.10	Grass, dry	U4b
08 November 2017	PP-964	276225	800150	221	0.08	Grass, dry	U4b
09 November 2017	PP-965	276100	800175	220	0.10	Grass, dry	U4b
08 November 2017	PP-966	276200	800200	221	0.15	Grass, dry	U4b
09 November 2017	PP-967	276200	800175	222	0.04	Grass, dry	U4b

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09 November 2017	PP-968	276150	800175	224	0.06	Grass, dry	U4b
09 November 2017	PP-969	276125	800175	221	0.09	Grass, dry	U4b
09 November 2017	PP-970	276175	800175	223	0.12	Grass, dry	U4b
09 November 2017	PP-971	276250	800175	223	0.11	Grass, dry	U4b
09 November 2017	PP-972	276275	800175	223	0.06	Grass, dry	U4b
09 November 2017	PP-973	276200	800125	221	0.05	Grass, dry	U4b
09 November 2017	PP-974	276225	800125	224	0.10	Grass, dry	U4b
09 November 2017	PP-975	276100	800125	224	0.09	Grass, dry	U4b
08 November 2017	PP-976	276125	800100	225	0.11	Grass, dry	U4b
08 November 2017	PP-977	276175	800100	227	0.20	Grass, dry	U4b
09 November 2017	PP-978	276175	800125	222	0.16	Grass, dry	U4b
09 November 2017	PP-979	276150	800125	224	0.10	Grass, dry	U4b
09 November 2017	PP-980	276125	800125	222	0.12	Grass, dry	U4b
09 November 2017	PP-981	276100	800075	224	0.09	Grass, dry	U4b
07 November 2017	PP-982	276125	800050	225	0.08	Grass, dry	U4b
23 November 2017	PP-983	276150	800075	223	0.10	grass, dry	U4b
07 November 2017	PP-984	276175	800050	226	0.05	Grass, dry	U4b
09 November 2017	PP-985	276175	800075	223	0.04	Grass, dry	U4b
09 November 2017	PP-986	276125	800075	222	0.10	Grass, dry	U4b
09 November 2017	PP-987	276075	800075	223	0.11	Grass, dry	U4b
09 November 2017	PP-988	276075	800125	222	0.14	Grass, dry	U4b
08 November 2017	PP-989	276075	800100	226	0.10	Grass, dry	U4b
07 November 2017	PP-990	276075	800050	225	0.15	Grass, dry	U4b
07 November 2017	PP-991	276100	800025	226	0.04	Grass, dry	U4b
07 November 2017	PP-992	276150	800025	226	0.03	Grass, dry	U4b
07 November 2017	PP-993	276175	800025	226	0.04	Grass, dry	U4b
07 November 2017	PP-994	276125	800025	226	0.05	Grass, dry	U4b
07 November 2017	PP-995	276125	800000	226	0.03	Grass, dry	U4b
07 November 2017	PP-996	276175	800000	227	0.05	Grass, dry	U4b
08 November 2017	PP-997	276150	800200	221	0.30	Grass, dry	U4b
08 November 2017	PP-998	276175	800200	222	0.95	Reeds, wet	U4b
08 November 2017	PP-999	276125	800200	221	0.35	Grass, dry	U4b
06 November 2017	PP-1000	277900	801700	237	0.05	Grass, dry	MG7b
07 November 2017	PP-1001	277800	801750	236	0.05	Grass, dry	MG7b
06 November 2017	PP-1002	277850	801750	235	0.05	Grass, dry	MG7b
06 November 2017	PP-1003	277850	801700	235	0.03	Grass, dry	MG7b
07 November 2017	PP-1004	277950	801700	238	0.05	Grass, dry	MG7b
06 November 2017	PP-1005	277900	801600	232	0.05	Grass, dry	MG7b
06 November 2017	PP-1006	277900	801650	234	0.05	Grass, dry	MG7b
23 November 2017	PP-1007	277800	801650	232	0.45	Grass, dry	MG7b
06 November 2017	PP-1008	277850	801600	218	0.03	Grass, dry	MG7b
06 November 2017	PP-1009	277850	801650	231	0.05	Grass, dry	MG7b
07 November 2017	PP-1010	277950	801600	231	0.05	Grass, dry	MG7b
06 November 2017	PP-1011	277950	801650	231	0.05	Grass, dry	MG7b

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06 November 2017	PP-1012	278000	801650	228	0.27	Grass, dry	M23a
07 November 2017	PP-1013	278000	801750	235	0.05	Grass, dry	MG7b
06 November 2017	PP-1014	277900	801801	232	0.05	Grass, dry	MG7b
06 November 2017	PP-1015	277850	801801	240	0.07	Grass, dry	MG7b
07 November 2017	PP-1016	277950	801801	234	0.05	Grass, dry	MG7b
06 November 2017	PP-1017	277900	801750	238	0.05	Grass, dry	MG7b
07 November 2017	PP-1018	277950	801751	235	0.05	Grass, dry	MG7b
06 November 2017	PP-1019	278000	801850	230	0.09	Long grass and reeds, wet	M23a
06 November 2017	PP-1020	277950	801851	239	0.05	Grass, dry	MG7b
06 November 2017	PP-1021	278050	801800	228	0.15	Grass and reeds, wet	M23a
07 November 2017	PP-1022	278050	801850	229	0.11	Grass, dry	M23a
06 November 2017	PP-1023	278050	801900	230	0.01	Grass, ferns, dry	CP/U4b/U20a/U2b
06 November 2017	PP-1024	278050	801750	226	0.01	Long grass and reeds, wet	S9a/SW/S9b/M23a
06 November 2017	PP-1025	278050	801698	228	0.14	Long grass and reeds, wet	S9a/SW/S9b/M23a
06 November 2017	PP-1026	278100	801698	-	-	No access, swamp	S9a/SW/S9b/M23a
06 November 2017	PP-1027	278099	801749	230	0.13	Long grass, moss and reeds, wet	S9a/SW/S9b/M23a
06 November 2017	PP-1028	278163	801699	-	-	No access, swamp	S9a/SW/S9b/M23a
06 November 2017	PP-1029	277975	801875	235	0.05	Grass, dry	MG7b
06 November 2017	PP-1030	278025	801900	236	0.06	Grass, dry	CP/U4b/U20a/U2b
01 November 2017	PP-1031	278650	802000	233	0.07	Grass, dry	BP
23 November 2017	PP-1032	278550	802000	230	0.30	Grass, dry	U4a
01 November 2017	PP-1033	278501	801899	229	0.05	Grass, dry	U4b
01 November 2017	PP-1034	278500	801949	230	0.05	Grass, dry	U4b
01 November 2017	PP-1035	278550	801949	230	0.05	Grass, dry	M23b
23 November 2017	PP-1036	278600	801950	230	0.10	Grass, dry	U4b
01 November 2017	PP-1037	278550	801903	230	0.04	Grass, dry	U4b
01 November 2017	PP-1038	278651	801951	228	0.05	Grass, dry	U4b
23 November 2017	PP-1039	278700	801953	224	0.10	Grass, dry	U4b
23 November 2017	PP-1040	278600	801975	227	0.20	Grass and reeds, wet	M23b
23 November 2017	PP-1041	278550	801975	236	0.40	Grass and reeds, wet	M23b
23 November 2017	PP-1042	278575	801975	228	0.10	Grass and reeds, wet	M23b
23 November 2017	PP-1043	278575	801950	226	0.08	Grass and reeds, dry	U4b
01 November 2017	PP-1044	278525	801949	230	0.06	Grass, dry	U4b
23 November 2017	PP-1045	278525	802000	236	0.50	Grass, dry	U4a
24 November 2017	PP-1046	270800	796900	234	0.40	Heather, grass, dry	U4b
24 November 2017	PP-1047	270900	796800	281	0.20	Heather, grass, dry	H12a/SWS
24 November 2017	PP-1048	270900	796900	282	0.30	Heather, grass, dry	H12a/SWS
24 November 2017	PP-1049	270800	796800	280	0.20	Heather, grass, dry	H12a/SWS
21 November 2017	PP-1050	271000	796900	280	0.29	Heather, grass, wet	H12a/SWS
21 November 2017	PP-1051	271097	796902	281	0.36	Heather, grass, wet	H12a/SWS
21 November 2017	PP-1052	271212	796902	281	0.30	Heather, grass, wet	H12a/SWS
24 November 2017	PP-1053	271003	796800	284	0.30	Heather, grass, dry	H12a/SWS
24 November 2017	PP-1054	270799	796704	280	0.40	Heather, grass, dry	H12a/SWS
25 October 2017	PP-1055	269682	795630	284	0.29	-	-

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25 October 2017	PP-1056	269594	795658	287	0.29	Heather, trees, dry	CP/H12a
25 October 2017	PP-1057	269499	795548	293	0.18	Heather, dry	H12a
25 October 2017	PP-1058	269406	795411	297	0.09	Long grass, dry	U4b
25 October 2017	PP-1059	269463	795655	286	0.30	Long grass, dry	H12a/SWS
25 October 2017	PP-1060	269407	795312	309	0.38	Grass, trees, dry	W17b
25 October 2017	PP-1061	269535	795450	300	0.38	Heather, dry	CP/H12a
25 October 2017	PP-1062	269400	795524	299	0.28	Heather, trees, dry	H12a
26 October 2017	PP-1063	270050	796400	278.3	0.25	Heather and moss, wet	H12a/CP
26 October 2017	PP-1064	270050	796200	285.9	0.30	Heather, dry	-
26 October 2017	PP-1065	270050	796300	287.6	0.23	Heather and moss, wet	H12a/CP
26 October 2017	PP-1066	270050	796100	287.5	0.23	Heather, dry	-
26 November 2017	PP-1067	269550	796325	268	0.10	Heather, trees, dry	W17/H12a/W11/U4/MG1
26 November 2017	PP-1068	269650	796500	264	0.05	Heather, trees, dry	RTP
24 October 2017	PP-1069	269350	796000	279	0.19	Heather, trees, dry	W17/W11/MG1/U4/H12a
22 November 2017	PP-1070	270850	797350	270	0.10	Moss, trees, dry	CP
26 November 2017	PP-1071	270950	797400	259	0.15	Moss, trees, dry	CP
26 November 2017	PP-1072	271050	797400	261	0.10	Moss, trees, dry	RTP
22 November 2017	PP-1073	270850	797400	263	0.20	Moss, trees, dry	CP
22 November 2017	PP-1074	270800	797350	269	0.10	Moss, trees, dry	CP
22 November 2017	PP-1075	270750	797350	261	0.00	Moss, grass, trees, dry	CP
22 November 2017	PP-1076	270750	797300	264	0.20	Moss, grass, trees, dry	CP
22 November 2017	PP-1077	270900	797350	269	0.10	Moss, grass, trees, dry	CP
24 November 2017	PP-1078	270950	797300	265	0.20	Grass, trees, dry	CP
05 December 2017	PP-1079	270950	797350	261	0.15	Moss, grass, trees, dry	CP
22 November 2017	PP-1080	270999	797352	264	0.05	Moss, grass, trees, dry	CP
22 November 2017	PP-1081	270851	797447	255	0.05	Moss, trees, dry	W11/U4/W17
26 November 2017	PP-1082	270900	797449	256	0.20	Moss, dry	W11/U4/W17
22 November 2017	PP-1083	270950	797450	258	0.10	Moss, grass, dry	U4/OV25
26 November 2017	PP-1084	271000	797450	257	0.10	Moss, dry	M23a/S9a
22 November 2017	PP-1085	270851	797498	250	0.30	Moss, grass, dry	W11/U4/W17
22 November 2017	PP-1086	270900	797498	254	0.10	Moss, grass, dry	U4/OV25
22 November 2017	PP-1087	270950	797500	254	0.10	Grass, dry	U4/OV25
22 November 2017	PP-1088	271000	797500	256	0.05	Grass, dry	U4/OV25
26 November 2017	PP-1089	270786	797499	254	0.15	Moss, trees, dry	W11/U4/W17
22 November 2017	PP-1090	270789	797447	251	0.06	Moss, grass, dry	CP
22 November 2017	PP-1091	270750	797401	251	0.05	Moss, grass, dry	CP
04 December 2017	PP-1092	270702	797351	253	0.10	Moss, grass, dry	W17/W11
22 November 2017	PP-1093	270703	797400	-	-	No access, house	RTP
22 November 2017	PP-1094	270751	797447	247	0.10	Moss, heather, dry	W17/W11
22 November 2017	PP-1095	270703	797448	-	-	No access, house	W17/W11
04 December 2017	PP-1096	270703	797497	250	0.10	Grass, moss, dry	W17/W11
22 November 2017	PP-1097	270753	797498	248	0.30	Moss, grass, dry	W17/W11
22 November 2017	PP-1098	270648	797351	150	0.20	Moss, grass, trees, dry	W17/W11
22 November 2017	PP-1099	270647	797298	158	0.00	Hardstanding	W17/W11



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13 December 2017	PP-1100	270582	797297	255	0.10	Grass, trees, dry	H12a/U4/W17/W11
22 November 2017	PP-1101	270650	797250	264	0.10	Moss, grass, trees, dry	CP
27 November 2017	PP-1102	272256	797848	297	0.20	Moss, grass, trees, dry	H12a/U4a/U2b
10 November 2017	PP-1103	276900	801100	-	-	No access, water to deep	W23
14 December 2017	PP-1104	280389	803327	252	0.20	Grass, dry	MG6/BD/U20
06 December 2017	PP-1105	269481	795130	298	0.50	Grass, moss, heather, wet	H12a/CP
06 December 2017	PP-1106	269584	795285	301	0.10	Heather, moss, dry	-
23 November 2017	PP-1107	279500	802519	-	-	No access, water to deep	S10b/S10a/M27a/W3
23 November 2017	PP-1108	279600	802519	-	-	No access, water to deep	S10b/S10a/M27a/W3
01 November 2017	PP-1109	280200	803159	229	0.20	Grass, ferns and trees, dry	W11c/W11d/U4b
01 November 2017	PP-1110	280050	803050	240	0.42	Grass and trees, dry	W11c/W11d/U4b
01 November 2017	PP-1111	280150	803059	226	0.40	Reeds, wet	M27a/W3/M5
01 November 2017	PP-1112	280730	803360	236	0.13	Long grass and trees, dry	W11c/W11d/U4b
14 December 2017	PP-1113	269241	794053	299	0.80	Heather, long grass, trees	-
14 December 2017	PP-1114	269291	794103	286	1.10	Heather, long grass, wet	-
30 October 2017	PP-1115	269245	794102	304	0.18	Long rough grass and moss dry	-
25 November 2017	PP-1116	268973	794026	290	0.15	Grass, dry	-
25 November 2017	PP-1117	268950	794300	290	0.10	Grass and trees, dry	-
25 November 2017	PP-1118	268925	794150	285	0.10	Grass, dry	-
25 November 2017	PP-1119	268975	794450	291	0.10	Grass and trees, dry	W11/U4/MG1/U20/W17
25 November 2017	PP-1120	268913	794075	298	0.15	Grass and trees, dry	-
25 November 2017	PP-1121	268938	794225	290	0.10	Grass, dry	-
25 November 2017	PP-1122	268963	794375	289	0.15	Grass and trees, dry	W11/U4/MG1/U20/W17
25 November 2017	PP-1123	268904	794226	289	0.10	Grass, dry	-
25 November 2017	PP-1124	268884	794082	294	0.10	Grass and trees, dry	-
25 November 2017	PP-1125	268939	794347	285	0.10	Grass and trees, dry	W11/U4/MG1/U20/W17
24 October 2017	PP-1126	269573	796313	271	0.10	Grass and trees, dry	W17/H12a/W11/U4/MG1
24 October 2017	PP-1127	269550	796275	274	0.21	Heather, trees, dry	W17/H12a/W11/U4/MG1
26 November 2017	PP-1128	269675	796500	264	0.05	Heather, trees, dry	W17/W11/W16/U4/MG1
24 October 2017	PP-1129	269203	795968	254.8	0.15	Long rough grass, dry	U4
24 October 2017	PP-1130	269214	796091	251.3	0.05	Short rough grass, wet	CP
24 October 2017	PP-1131	269261	796226	252.6	0.20	long rough grass and moss, dry	U4
05 December 2017	PP-1132	269331	796312	250	0.15	Grass, moss, dry	U4
24 October 2017	PP-1133	269350	796381	251	0.40	Heather, wet	M15b/M17/M25/M3
25 October 2017	PP-1134	269534	796413	249	0.46	Heather, dry	W11/W17
24 October 2017	PP-1135	269415	796281	253	0.47	Heather, dry	H12a/U4
24 October 2017	PP-1136	269357	796170	267.5	0.28	Heather, dry	CP
24 October 2017	PP-1137	269301	796034	256.8	0.35	Long rough grass and heather, dry	U4
24 October 2017	PP-1138	269236	795884	266.9	0.10	Long rough grass and heather, dry	U4b
24 October 2017	PP-1139	269450	796353	249.9	0.30	Heather, wet	M15b/M17/M25/M3
05 December 2017	PP-1140	270107	796500	279	0.15	Heather, grass, moss, dry	H12a/CP
24 November 2017	PP-1141	270023	796443	282	0.50	Heather, grass, wet	H12a/CP
25 October 2017	PP-1142	269593	795533	296	0.45	Heather, grass, wet	CP/H12a
21 November 2017	PP-1143	271000	796950	281	0.52	Heather, grass, wet	H12a/SWS

Date	Location ID	Easting	Northing	Ground Level (mAOD)	Probed/ Peat Depth (m)	Comments	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
24 November 2017	PP-1144	270900	796950	284	0.20	Heather, grass, wet	H12a/SWS
21 November 2017	PP-1145	271098	796951	279	0.60	Heather, grass, wet	H12a/SWS
21 November 2017	PP-1146	271206	796963	280	0.71	Heather, grass, wet	H12a/SWS
25 November 2017	PP-1147	271475	797728	255	0.20	Grass, dry	MG6/U4b
25 November 2017	PP-1148	271565	797853	253	0.10	Grass, dry	MG6/U4b
25 November 2017	PP-1149	271846	797955	247	0.10	Grass, dry	MG6/U4b
25 November 2017	PP-1150	272039	797939	252	0.10	Grass, dry	W11
25 November 2017	PP-1151	271538	797664	252	0.10	Grass, dry	MG6/U4b
25 November 2017	PP-1152	271633	797777	251	0.10	Grass, dry	MG6/U4b
25 November 2017	PP-1153	271873	797878	255	0.10	Grass, trees, dry	W7
25 November 2017	PP-1154	271773	797828	242	0.20	Grass, dry	MG6/U4b
25 November 2017	PP-1155	271706	797904	249	0.15	Grass, dry	MG6/U4b
25 November 2017	PP-1156	272548	797948	285	0.10	Heather, grass, dry	H12a/U4a/U2b
25 November 2017	PP-1157	272638	798000	281	0.15	Heather, grass, dry	H12a/U4a/U2b
20 November 2017	PP-1158	272458	797896	288	0.40	Heather, grass, dry	H12a/U4a/U2b
27 November 2017	PP-1159	272583	798037	278	0.05	Grass, dry	H12a/U4a/U2b
20 November 2017	PP-1160	272442	797945	288	0.17	Heather, grass, dry	H12a/U4a/U2b
21 November 2017	PP-1161	272949	798122	260	0.06	Grass, dry	U4a/H12a
21 November 2017	PP-1162	273008	798274	237	0.07	Heather, grass, dry	U4a/H12a
21 November 2017	PP-1163	272863	798167	259	0.10	Heather, grass, dry	U4a/H12a
21 November 2017	PP-1164	273013	798203	238	0.06	Heather, grass, dry	U4a/H12a
21 November 2017	PP-1165	272932	798185	261	0.05	Grass, dry	U4a/H12a
22 November 2017	PP-1166	273128	798202	238	0.09	Heather, grass, dry	H12a/U4a
21 November 2017	PP-1167	273187	798308	239	0.10	Water, reeds	S9a/M20/M4/M6c/M17
21 November 2017	PP-1168	273184	798318	238	0.61	Heather, grass, dry	H12a/U4a
21 November 2017	PP-1169	273176	798307	238	0.60	Water, reeds	H12a/U4a
21 November 2017	PP-1170	273189	798299	238	0.62	Water, reeds	S9a/M20/M4/M6c/M17
21 November 2017	PP-1171	273198	798314	238	0.60	Water, reeds	S9a/M20/M4/M6c/M17
22 November 2017	PP-1172	272841	798432	237	0.15	Grass, trees, dry	MG6
22 November 2017	PP-1173	272750	798350	232	0.21	Grass, dry	MG6
22 November 2017	PP-1174	272844	798325	243	0.20	Grass, dry	U4
22 November 2017	PP-1175	272937	798399	245	0.04	Grass, dry	U4/CG10a
22 November 2017	PP-1176	272844	798375	238	0.05	Grass, dry	MG6
22 November 2017	PP-1177	273096	798502	236	0.05	Moss, grass, trees, dry	MG6/U4/OV25
16 November 2017	PP-1178	273270	798461	242	0.05	Heather, dry	RTP
22 November 2017	PP-1179	273180	798420	239	0.10	Grass, dry	MG6/U4/OV25
22 November 2017	PP-1180	273082	798493	236	0.05	Moss, grass, trees, dry	U4
22 November 2017	PP-1181	273100	798480	236	0.05	Moss, grass, trees, dry	U4
22 November 2017	PP-1182	273123	798474	237	0.05	Grass, dry	MG6/U4/OV25
22 November 2017	PP-1183	273210	798454	239	0.11	Grass, dry	MG6/U4/OV25
22 November 2017	PP-1184	273195	798437	239	0.10	Grass, dry	MG6/U4/OV25
22 November 2017	PP-1185	273240	798457	239	0.11	Grass, dry	MG6/U4/OV25
22 November 2017	PP-1186	273166	798464	239	0.11	Grass, dry	MG6/U4/OV25
22 November 2017	PP-1187	273145	798469	241	0.12	Grass, dry	MG6/U4/OV25

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22 November 2017	PP-1188	273188	798459	239	0.11	Grass, dry	MG6/U4/OV25
22 November 2017	PP-1189	273169	798453	240	0.07	Grass, dry	MG6/U4/OV25
22 November 2017	PP-1190	273183	798481	241	0.05	Grass, dry	MG6/U4/OV25
22 November 2017	PP-1191	273139	798491	237	0.05	Grass, dry	MG6/U4/OV25
22 November 2017	PP-1192	273226	798471	240	0.13	Grass, dry	MG6/U4/OV25
22 November 2017	PP-1193	273136	798461	236	0.07	Grass, dry	MG6/U4/OV25
22 November 2017	PP-1194	273220	798443	239	0.10	Grass, dry	MG6/U4/OV25
20 November 2017	PP-1195	273097	798144	238	0.09	Heather, grass, dry	H12a/U4a
21 November 2017	PP-1196	273216	798120	242	0.10	Heather, dry	H12a/U4a
21 November 2017	PP-1197	273329	798195	244	0.60	Heather, dry	H12a/U4a
21 November 2017	PP-1198	273299	798337	256	0.10	Heather, dry	H12a/U4a
21 November 2017	PP-1199	273213	798169	242	0.10	Grass, dry	H12a/U4a
21 November 2017	PP-1200	273256	798253	238	0.10	Grass, dry	U4b
16 November 2017	PP-1201	273468	798573	239	0.05	Grass, dry	MG7/U4b
16 November 2017	PP-1202	273594	798633	2245	0.06	Grass, dry	MG7/U4b
16 November 2017	PP-1203	273542	798588	243	0.05	Grass, dry	MG7/U4b
16 November 2017	PP-1204	273508	798477	238	0.10	Grass, dry	U4b/MG6
16 November 2017	PP-1205	273432	798264	249	0.30	Grass, trees, dry	RTP
16 November 2017	PP-1206	273360	798414	240	0.05	Grass, dry	U4b
16 November 2017	PP-1207	273397	798339	250	0.07	Grass, dry	U4b/MG6
16 November 2017	PP-1208	273666	798382	237	0.12	Grass, dry	MG7b
16 November 2017	PP-1209	273549	798323	239	0.11	Grass, dry	U4b/MG6
16 November 2017	PP-1210	273783	798441	237	0.14	Grass, dry	U4b/MG6
16 November 2017	PP-1211	273623	798444	239	0.10	Grass, dry	U4b/MG6
16 November 2017	PP-1212	273509	798392	255	0.60	Grass, trees, dry	U4b/MG6
16 November 2017	PP-1213	273736	798497	238	0.11	Grass, dry	U4b/MG6
16 November 2017	PP-1214	273471	798328	250	0.04	Grass, dry	AR
16 November 2017	PP-1215	273586	798384	242	0.30	Grass, dry	U4b/MG6
16 November 2017	PP-1216	273701	798440	238	0.07	Grass, dry	MG7b
16 November 2017	PP-1217	273817	798496	232	0.32	Grass, dry	U4b/MG6
16 November 2017	PP-1218	273434	798400	239	0.07	Grass, dry	U4b/MG6
16 November 2017	PP-1219	273550	798451	239	0.10	Grass, dry	U4b/MG6
16 November 2017	PP-1220	273654	798499	238	0.10	Grass, dry	U4b/MG6
16 November 2017	PP-1221	273768	798549	238	0.11	Grass, dry	U4b/MG6
14 December 2017	PP-1222	273502	798219	250	0.20	Grass, dry	U4b/MG6
16 November 2017	PP-1223	273770	798311	237	0.50	Grass, dry	U4b/MG6
16 November 2017	PP-1224	273571	798175	235	0.09	Wheat, dry	MG7b
16 November 2017	PP-1225	273718	798346	238	0.11	Grass, dry	MG7b
16 November 2017	PP-1226	273934	798473	233	0.25	Grass, dry	U4b/MG6
16 November 2017	PP-1227	273968	798446	233	0.15	Grass, dry	M23a/M6d/U4a/M6a
26 November 2017	PP-1228	274423	798976	227	0.15	Heather, grass, dry	RW
16 November 2017	PP-1229	274595	799019	238	0.07	Grass, trees, dry	W17/W11/W16
16 November 2017	PP-1230	274643	798967	243	0.15	Grass, trees, dry	W11
16 November 2017	PP-1231	274470	798924	231	0.20	Grass, dry	OV25/MG6/U4

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16 November 2017	PP-1232	274447	798950	231	0.27	Grass, dry	OV25/MG6/U4
16 November 2017	PP-1233	274619	798993	235	0.40	Grass, trees, dry	W17
16 November 2017	PP-1234	274533	798972	230	0.15	Grass, dry	OV25/MG6/U4
16 November 2017	PP-1235	274490	799039	229	0.12	Grass, trees, dry	W7
16 November 2017	PP-1236	274585	798935	248	0.13	Grass, trees, dry	W17
14 November 2017	PP-1237	275820	799277	246	0.15	Grass, dry	U4b
14 November 2017	PP-1238	275821	799350	241	0.14	Grass, dry	U4b
14 November 2017	PP-1239	275761	799291	242	0.20	Grass, dry	U4b
14 November 2017	PP-1240	275791	799320	239	0.12	Grass, dry	U4b
14 November 2017	PP-1241	275310	799023	264	0.17	Grass, dry	H12a/SWS
14 November 2017	PP-1242	275510	799086	257	0.29	Grass, dry	W11d
14 November 2017	PP-1243	275608	799155	258	0.20	Grass, dry	U4b
14 December 2017	PP-1244	275355	799062	250	0.10	Grass, dry	U4a/U2a
14 November 2017	PP-1245	275600	799126	262	0.21	Grass, dry	U4b
14 November 2017	PP-1246	275420	799046	263	0.15	Grass, moss, heather, trees, dry	U4a/H12a
14 December 2017	PP-1247	275616	799184	255	0.30	Grass, dry	U4b
09 November 2017	PP-1248	276367	799756	220	0.56	Grass, reeds, wet	M23a/S10b
09 November 2017	PP-1249	276485	799689	225	0.12	Grass, dry	U4b
09 November 2017	PP-1250	276241	799536	237	0.05	Grass, dry	RTP
09 November 2017	PP-1251	276171	799618	227	0.57	Grass, reeds, trees, dry	W7a
09 November 2017	PP-1252	276363	799612	221	0.09	Grass, dry	U4b
09 November 2017	PP-1253	276426	799722	220	0.46	Grass, reeds, wet	M23a/S10b
09 November 2017	PP-1254	276394	799667	221	0.90	Grass, reeds, wet	M23a/S10b
09 November 2017	PP-1255	276267	799615	222	0.07	Grass, trees, dry	W7a
08 November 2017	PP-1256	276561	800096	224	1.30	Long grass, reed, wet	U4b/MG9a/MG10a/M23a/S9a
30 November 2017	PP-1257	276681	800196	216	0.25	Grass, dry	MG9a/S9a/S11a
08 November 2017	PP-1258	276590	800198	223	0.10	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-1259	276620	800249	225	0.05	Grass, dry	U4b
08 November 2017	PP-1260	276575	800147	223	0.10	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-1261	276480	800150	223	0.09	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-1262	276671	800144	222	0.05	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
30 November 2017	PP-1263	276690	800248	215	0.50	Grass, dry	M23b/S11a/S9a
08 November 2017	PP-1264	276550	800250	223	0.45	Reeds, wet	M23a/S11a
10 November 2017	PP-1265	276572	801192	236	0.08	Reeds, wet	U4b
23 November 2017	PP-1266	276536	801096	231	0.10	Grass, dry	BP
10 November 2017	PP-1267	276586	801091	235	0.10	Grass, dry	BP
10 November 2017	PP-1268	276716	801585	236	0.11	Grass, trees, dry	W11
10 November 2017	PP-1269	276508	801340	240	0.06	Grass, trees, dry	MG10a
10 November 2017	PP-1270	276665	801264	233	0.05	Grass, dry	U4b
10 November 2017	PP-1271	276862	801502	232	0.10	Grass, dry	MG6/U4b
23 November 2017	PP-1272	276612	801463	232	0.10	Grass, dry	U4b
10 November 2017	PP-1273	276765	801383	230	0.36	Grass, moss, dry	W11
10 November 2017	PP-1274	276790	801544	236	0.07	Grass, dry	MG6/U4b
10 November 2017	PP-1275	276587	801302	240	0.16	Grass, reeds, dry	U4b

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10 November 2017	PP-1276	276685	801425	239	0.05	Grass, trees, dry	W11
07 November 2017	PP-1277	276815	801645	247	0.05	Grass, dry	MG7
07 November 2017	PP-1278	277118	801802	247	0.08	Grass, ferns, dry	MG7
07 November 2017	PP-1279	277279	801857	242	0.09	Grass, trees, dry	W10/W11
07 November 2017	PP-1280	277252	801733	239	0.01	Grass, ferns, dry	U20a
10 November 2017	PP-1281	276899	801534	236	0.18	Grass, dry	U4b/MG1
07 November 2017	PP-1282	276966	801724	246	0.10	Grass, dry	AR
07 November 2017	PP-1283	277198	801829	255	0.10	Grass, dry	W17/M23
07 November 2017	PP-1284	277176	801716	241	0.16	Grass, dry	U4a/CG10a/U20a
07 November 2017	PP-1285	277000	801616	240	0.01	Grass, dry	U4b/MG1
07 November 2017	PP-1286	276857	801589	242	0.80	Grass, dry	MG7
07 November 2017	PP-1287	276983	801670	244	0.10	Grass, dry	AR
07 November 2017	PP-1288	277147	801759	246	0.10	Grass, dry	W10/W11
07 November 2017	PP-1289	277560	801954	249	0.08	Grass, dry	W10/W11
03 November 2017	PP-1290	278099	802045	243	0.50	Grass, dry	M15a
07 November 2017	PP-1291	277420	801905	254	0.10	Grass, dry	W10/W11
03 November 2017	PP-1292	277830	802000	262	0.30	Moss, trees, wet	U20a/U4a
03 November 2017	PP-1293	277695	801977	266	0.06	Grass, dry	MG7/U20a
03 November 2017	PP-1294	277964	802022	243	0.32	Grass, heather, trees, dry	CP
03 November 2017	PP-1295	277815	801950	248	0.60	Grass, trees, ferns, dry	RTP
03 November 2017	PP-1296	277697	801939	260	0.07	Grass, dry	MG7/U20a
07 November 2017	PP-1297	277404	801866	252	0.11	Grass, trees, dry	W10/W11
07 November 2017	PP-1298	277519	801897	248	0.08	Grass, trees, dry	W10/W11
03 November 2017	PP-1299	277925	801974	250	0.20	Grass, trees, dry	W7/M6c
03 November 2017	PP-1300	278043	801996	251	0.60	Reeds, moss, grass, wet	W7/M6c
23 November 2017	PP-1301	277820	801549	232	0.20	Grass, dry	MG7b
01 November 2017	PP-1302	278905	802015	224	0.15	Grass, dry	RTP
01 November 2017	PP-1303	278945	802051	227	0.05	Grass, dry	U4b
01 November 2017	PP-1304	278857	802092	227	0.10	Grass, dry	U4b
01 November 2017	PP-1305	278947	802121	228	0.05	Grass, dry	U4b
23 November 2017	PP-1306	278910	802068	223	0.10	Grass, dry	U4b
01 November 2017	PP-1307	279138	802218	229	0.05	Grass, dry	RTP
01 November 2017	PP-1308	279172	802188	226	0.05	Grass, dry	MG7b/SWS
01 November 2017	PP-1309	279373	802329	226	1.00	Grass and reeds, dry	M27a
23 November 2017	PP-1310	279196	802240	221	0.10	Grass, dry	MG7b/SWS
01 November 2017	PP-1311	279254	802281	225	0.10	Grass, wet	MG7b/SWS
01 November 2017	PP-1312	279504	802544	225	2.48	Grass, wet	S10b/S10a/M27a/W3
01 November 2017	PP-1313	279567	802591	225	0.75	Long grass and reeds, wet	S10b/S10a/M27a/W3
01 November 2017	PP-1314	279604	802555	223	2.50	Reeds, wet	S10b/S10a/M27a/W3
23 November 2017	PP-1315	279534	802504	-	-	No access, swamp	S10b/S10a/M27a/W3
01 November 2017	PP-1316	279536	802568	225	1.78	Reeds, Wet	S10b/S10a/M27a/W3
01 November 2017	PP-1317	279586	802573	226	0.90	Reeds, Wet	S10b/S10a/M27a/W3
23 November 2017	PP-1318	279569	802529	-	-	No access, swamp	S10b/S10a/M27a/W3
23 November 2017	PP-1319	279519	802524	-	-	No access, swamp	S10b/S10a/M27a/W3

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23 November 2017	PP-1320	279552	802548	-	-	No access, swamp	S10b/S10a/M27a/W3
23 November 2017	PP-1321	280032	802813	-	-	No access, swamp	S9a/S9b/M5/S4a
01 November 2017	PP-1322	279883	802706	226	0.45	Long grass and trees, dry	S9a/S9b/M5/S4a
01 November 2017	PP-1323	280182	802921	-	-	No access, swamp	S4a/M5/M4/M27
01 November 2017	PP-1324	279808	802652	-	-	No access, swamp	S10b/S10a/M27a/W3
01 November 2017	PP-1325	279958	802760	-	-	No access, swamp	S9a/S9b/M5/S4a
01 November 2017	PP-1326	280107	802867	-	-	No access, swamp	S9a/S9b/M5/S4a
01 November 2017	PP-1327	280256	802975	-	-	No access, swamp	W3
01 November 2017	PP-1328	280295	803080	-	-	No access, swamp	SW
01 November 2017	PP-1329	279706	802639	-	-	No access, swamp	S10b/S10a/M27a/W3
01 November 2017	PP-1330	280331	803029	-	-	No access, swamp	W3
01 November 2017	PP-1331	279734	802598	-	-	No access, swamp	S10b/S10a/M27a/W3
23 November 2017	PP-1332	279679	802681	-	-	No access, swamp	W3
01 November 2017	PP-1333	279789	802684	-	-	No access, swamp	S10b/S10a/M27a/W3
01 November 2017	PP-1334	279863	802731	-	-	No access, swamp	S9a/S9b/M5/S4a
01 November 2017	PP-1335	279837	802754	224	0.52	Reeds, wet	S9a/S9b/M5/S4a
01 November 2017	PP-1336	279949	802847	225	0.24	Reeds, wet	M27a/W3/M5
23 November 2017	PP-1337	280013	802858	-	-	No access, swamp	S9a/S9b/M5/S4a
23 November 2017	PP-1338	279941	802789	-	-	No access, swamp	S9a/S9b/M5/S4a
01 November 2017	PP-1339	280047	802960	224	0.56	Reeds, wet	M27a/W3/M5
01 November 2017	PP-1340	280077	802914	-	-	No access, swamp	S9a/S9b/M5/S4a
01 November 2017	PP-1341	280141	802970	-	-	No access, swamp	S9a/S9b/M5/S4a
01 November 2017	PP-1342	280219	803012	-	-	No access, swamp	S9a/S9b/M5/S4a
01 November 2017	PP-1343	280258	803053	-	-	No access, swamp	S9a/S9b/M5/S4a
01 November 2017	PP-1344	280517	803175	-	-	No access, swamp	S9a/S9b/M5/M27a
01 November 2017	PP-1345	280609	803238	-	-	No access, swamp	S9a/S9b/M5/M27a
01 November 2017	PP-1346	280426	803113	-	-	No access, swamp	S4a
01 November 2017	PP-1347	280334	803051	-	-	No access, swamp	W3
01 November 2017	PP-1348	280334	803099	-	-	No access, swamp	S9a/S9b/M5
01 November 2017	PP-1349	280379	803131	-	-	No access, swamp	W3
01 November 2017	PP-1350	280458	803168	-	-	No access, swamp	W3
01 November 2017	PP-1351	280562	803224	-	-	No access, swamp	S9a/S9b/M5/M27a
01 November 2017	PP-1352	280510	803208	-	-	No access, swamp	S9a/S9b/M5/M27a
08 November 2017	PP-1353	276585	800250	224	0.06	Water	M23a/S11a
08 November 2017	PP-1354	276545	800199	224	0.25	Long grass, dry	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-1355	276528	800149	223	0.24	Grass, dry	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-1356	276510	800098	223	0.33	Grass, reeds, wet	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-1357	276611	800094	225	0.75	Long grass, reeds, wet	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-1358	276623	800146	222	0.12	Grass dry	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-1359	276635	800197	222	0.13	Grass dry	U4b/MG9a/MG10a/M23a/S9a
08 November 2017	PP-1360	276655	800249	221	1.00	Water	M23b/S11a/S9a
09 November 2017	PP-1361	276185	799659	-	-	No access, water too deep	W7a
09 November 2017	PP-1362	276258	799658	227	0.20	Trees, water	W7a
09 November 2017	PP-1363	276363	799711	221	0.93	Grass, reeds, wet	M23a/S10b

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09 November 2017	PP-1364	276326	799663	223	0.07	Grass, dry	U4b
09 November 2017	PP-1365	276254	799576	225	0.24	Grass, moss, trees, wet	U4b
09 November 2017	PP-1366	276213	799597	222	0.10	Trees, wet	W7a
09 November 2017	PP-1367	276318	799602	222	0.09	Grass, dry	U4b
16 November 2017	PP-1368	274368	798737	230	0.90	Grass, reeds, wet	M23a/M6d/U4a/M6a
26 November 2017	PP-1369	274267	798648	231	1.20	Grass, reeds, wet	M23a/M6d/U4a/M6a
20 November 2017	PP-1370	272344	797854	217	0.35	Heather, dry	H12a/U4a/U2b
13 December 2017	PP-1371	273619	798278	249	0.40	Grass, dry	MG7b
24 November 2017	PP-1372	273835	798405	240	0.20	Grass, dry	U4b/MG6
16 November 2017	PP-1373	273671	798243	241	0.22	Grass, dry	MG7b
16 November 2017	PP-1374	273869	798379	239	0.80	Grass, dry	U4b/MG6
16 November 2017	PP-1375	270699	796702	239	0.30	Grass, dry	U4b
05 December 2017	PP-1376	270125	796450	273	0.15	Heather, grass, moss, dry	H12a/CP
05 December 2017	PP-1377	270048	796543	275	0.20	Heather, grass, moss, dry	H12a/CP
25 October 2017	PP-1378	269360	795249	307	0.35	Heather, dry	H12a/SWS
26 October 2017	PP-1379	269701	796493	-	-	No access, point on road verge	W17d/W11d/H12a
26 October 2017	PP-1380	269716	796482	265.5	0.05	Heather, dry	W17d/W11d/H12a
26 October 2017	PP-1381	269797	796505	278.8	0.20	Heather, dry	H12a/SWS
26 October 2017	PP-1382	269753	796549	264	0.05	Long rough grass, dry	W17d/W11d/H12a
26 October 2017	PP-1383	269743	796557	-	-	No access, point on road verge	U4b
26 October 2017	PP-1384	269722	796525	-	-	No access, point on road verge	W17d/W11d/H12a
26 October 2017	PP-1385	269735	796516	266	0.10	Heather and moss, dry	W17d/W11d/H12a
26 October 2017	PP-1386	269775	796527	267	0.17	Heather, dry	W17d/W11d/H12a
26 October 2017	PP-1387	269757	796494	270.3	0.10	Heather and moss, dry	W7a
26 October 2017	PP-1388	269746	796505	271	0.25	Heather, dry	W17d/W11d/H12a
26 October 2017	PP-1389	269766	796510	266	0.10	Heather and moss, dry	W17d/W11d/H12a
26 October 2017	PP-1390	269755	796521	268	0.05	Heather, dry	W17d/W11d/H12a
30 October 2017	PP-1391	269700	796600	-	-	No access, in railway boundary	RTP
06 December 2017	PP-1392	272200	798000	270	0.20	Grass, trees, dry	W11/W17
20 November 2017	PP-1393	272425	797993	270	0.30	Grass, heather, dry	U20a/U4a
27 November 2017	PP-1394	272100	797900	275	0.20	Grass, heather, trees, dry	W11d
20 November 2017	PP-1395	272200	797800	312	0.25	Heather and moss, dry	W17d
20 November 2017	PP-1396	272600	798100	276	0.13	Heather, dry	H12a/U4a/U2b
20 November 2017	PP-1397	272150	797850	287	0.35	Grass, heather, dry	M15b/M25a/H12a
20 November 2017	PP-1398	272203	797899	292	0.10	Heather and moss, dry	W4/W11d
20 November 2017	PP-1399	272256	797948	290	0.50	Heather and moss, dry	W11d
27 November 2017	PP-1400	272152	797900	292	0.10	Grass, heather, trees, dry	W11d
27 November 2017	PP-1401	272203	797949	289	0.10	Grass, heather, trees, dry	W11d
27 November 2017	PP-1402	272256	797997	290	0.10	Grass, heather, trees, dry	W11d
27 November 2017	PP-1403	272203	797849	295	0.20	Grass, heather, trees, dry	H12a/U4a/U2b
20 November 2017	PP-1404	272258	797898	292	0.10	Heather and moss, dry	H12a/U4a/U2b
27 November 2017	PP-1405	272313	797947	297	0.20	Heather and moss, dry	H12a/U4a/U2b
27 November 2017	PP-1406	272368	797994	271	0.10	Heather and moss, dry	U20a/U4a
20 November 2017	PP-1407	272228	797824	304	0.50	Grass, heather, dry	H12a/U4a/U2b

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20 November 2017	PP-1408	272285	797872	307	0.54	Heather, dry	H12a/U4a/U2b
20 November 2017	PP-1409	272341	797921	300	0.74	Grass, heather, dry	H12a/U4a/U2b/U20a
20 November 2017	PP-1410	272397	797969	280	0.20	Grass, heather, dry	H12a/U4a/U2b
27 November 2017	PP-1411	272459	798050	266	0.30	Grass, heather, trees, dry	H12a/U4a/U2b
27 November 2017	PP-1412	272546	798104	270	0.10	Grass, heather, dry	H12a/U4a/U2b
20 November 2017	PP-1413	272513	798047	275	0.20	Grass, heather, dry	H12a/U4a/U2b
27 November 2017	PP-1414	272486	798048	271	0.10	Grass, heather, dry	H12a/U4a/U2b
20 November 2017	PP-1415	272529	798075	274	0.20	Heather, dry	H12a/U4a/U2b
27 November 2017	PP-1416	272502	798077	267	0.10	Grass, heather, dry	H12a/U4a/U2b
20 November 2017	PP-1417	272565	798088	279	0.36	Grass, heather, dry	H12a/U4a/U2b
20 November 2017	PP-1418	272456	798021	269	0.46	Grass, heather, dry	H12a/U4a/U2b
03 November 2017	PP-1419	278200	802050	247	0.15	Grass, dry	M15a/M17a
23 November 2017	PP-1420	278250	802050	239	0.12	Grass, dry	U4b
23 November 2017	PP-1421	278350	802050	236	0.10	Grass, trees, dry	W10/OV25a
23 November 2017	PP-1422	278450	802050	234	0.19	Grass, dry	MG6
03 November 2017	PP-1423	278250	802100	255	0.06	Grass, dry	MG6
23 November 2017	PP-1424	278350	802100	237	0.16	Grass, dry	MG6
23 November 2017	PP-1425	278450	802100	235	0.21	Grass, dry	MG6
03 November 2017	PP-1426	278550	802100	231	0.05	Grass, dry	W10
03 November 2017	PP-1427	278550	802075	232	0.05	Grass, dry	MG7
03 November 2017	PP-1428	278250	802000	242	0.01	Grass, dry	U4b
03 November 2017	PP-1429	278350	802000	237	0.02	Grass, dry	U1b/U4b
03 November 2017	PP-1430	278450	802025	231	0.30	Grass, dry	BG/M23/MG1
25 October 2017	PP-1431	269329	795182	306	0.62	Grass, dry	H12a/SWS
30 October 2017	PP-1432	270372	796432	285	0.20	Long rough grass, dry	-
27 November 2017	PP-1433	269351	794700	290	0.10	Long grass, heather dry	H12a/CP
24 October 2017	PP-1434	269183	795340	289	0.18	Grass, trees, dry	W11/U4/W17/U20
24 October 2017	PP-1435	269194	795445	287	0.41	Grass, ferns, dry	W11/U4/W17/U20
24 October 2017	PP-1436	269193	795553	287	0.32	Heather, dry	CP
26 November 2017	PP-1437	270648	797401	240	0.20	Grass, heather, trees, dry	W17/W11
22 November 2017	PP-1438	270582	797352	242	0.20	Moss, heather, dry	W17/W11
22 November 2017	PP-1439	270583	797399	240	0.10	Moss, heather, dry	W17/W11
22 November 2017	PP-1440	270519	797348	243	0.05	Moss, grass, dry	H12a/U4/W17/W11
26 November 2017	PP-1441	270753	797536	240	0.10	Moss, grass, dry	W17/W11
26 November 2017	PP-1442	270705	797539	241	0.10	Moss, grass, dry	W4/W11/W17/U4
26 November 2017	PP-1443	270650	797448	240	0.20	Moss, grass, dry	W17/W11
22 November 2017	PP-1444	270653	797493	240	0.20	Moss, heather, dry	W4/W11/W17/U4
26 November 2017	PP-1445	270586	797449	237	0.10	Long grass, heather dry	W4/W11/W17/U4
22 November 2017	PP-1446	270591	797497	255	0.10	Heather, grass, wet	M15b
22 November 2017	PP-1447	270523	797400	240	0.30	Heather, grass, wet	W4/W11/W17/U4
-	PP-1448	269027	794628	-	-	No access within railway boundary	W11/U4/MG1/U20/W17
14 December 2017	PP-1449	269039	794687	260	0.90	Moss, heather, grass, trees	W11/U4/MG1/U20/W17
25 November 2017	PP-1450	269069	794787	282	0.15	Grass, dry	W11/U4/MG1/U20/W17
25 November 2017	PP-1451	269073	794854	-	-	No access within railway boundary	W11/U4/MG1/U20/W17



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25 November 2017	PP-1452	269099	794952	279	0.15	Grass, dry	W11/U4/MG1/U20/W17
24 October 2017	PP-1453	269095	795217	257	0.05	Moss and ferns, dry	U20/W11/U4/W17
24 October 2017	PP-1454	269124	795309	263.2	0.10	Moss and ferns, dry	U20/W11/U4/W17
24 October 2017	PP-1455	269147	795257	280	0.05	Long rough grass and moss, dry	H12
24 October 2017	PP-1456	269114	795142	289	0.17	grass, trees, dry	U4/U2/H12a/H18/M25
24 October 2017	PP-1457	269112	795347	260.3	0.15	Long rough grass and moss, dry	U4/U20
24 October 2017	PP-1458	269085	795277	263.7	0.33	Long rough grass and heather, dry	M6/M4/M15b/M3/S10/W11
25 November 2017	PP-1459	269051	795207	260	0.40	Grass, dry	M6/M4/M15b/M3/S10/W11
25 November 2017	PP-1460	269014	795114	261	0.40	Grass, dry	M6/M4/M15b/M3/S10/W11
25 November 2017	PP-1461	268991	795075	259	0.60	Grass, dry	U20
25 November 2017	PP-1462	268975	795039	252	0.50	Grass, dry	U20/W11/U4/W17
25 November 2017	PP-1463	268968	795002	255	0.35	Grass, ferns, dry	U4/W11/U20
24 October 2017	PP-1464	268960	794967	260.3	0.20	Long rough grass and ferns, dry	U4/W11/U20
24 October 2017	PP-1465	268955	794923	255	0.30	Long rough grass and ferns, dry	W4/U4/W11/M25/M6d
24 October 2017	PP-1466	268945	794922	260.2	0.20	Long rough grass and moss, dry	W4/U4/W11/M25/M6d
24 October 2017	PP-1467	268966	794923	253.9	0.55	Long rough grass and ferns, dry	W4/U4/W11/M25/M6d
24 October 2017	PP-1468	268947	794969	256.4	0.25	Long rough grass and moss, dry	U4/W11/U20
24 October 2017	PP-1469	268969	794966	253	0.40	Long rough grass and ferns, dry	U4/W11/U20
24 October 2017	PP-1470	268976	795001	262	0.60	Long rough grass, moss and ferns, dry	U20
24 October 2017	PP-1471	268958	795003	256.7	0.30	Long rough grass, dry	U20/W11/U4/W17
24 October 2017	PP-1472	268965	795041	256.2	0.25	Long rough grass and ferns, dry	U20/W11/U4/W17
24 October 2017	PP-1473	268983	795037	258.4	1.00	Long rough grass and ferns, dry	U20
24 October 2017	PP-1474	268982	795079	252	0.50	Long rough grass and moss, dry	U20/W11/U4/W17
24 October 2017	PP-1475	268999	795072	257	1.70	Ferns, Dry	U20
24 October 2017	PP-1476	269002	795118	250.9	0.80	Long rough grass and heather, dry	M6/M4/M15b/M3/S10/W11
24 October 2017	PP-1477	269025	795111	251.8	0.85	Long rough grass and moss, dry	U20/W11/U4/W17
24 October 2017	PP-1478	269038	795185	239	0.70	Moss and heather, dry	M6/M4/M15b/M3/S10/W11
24 October 2017	PP-1479	269073	795158	265.4	0.10	Moss and ferns, dry	U20/W11/U4/W17
24 October 2017	PP-1480	269134	795405	260.3	2.05	Long reeds and rough grass, wet	H12
24 October 2017	PP-1481	269144	795492	263.5	0.05	Long rough grass, gravel and moss, dry	H12
24 October 2017	PP-1482	269158	795575	281.6	0.05	Heather, dry	W17
24 October 2017	PP-1483	269171	795656	278.6	0.10	Heather and moss, dry	W17
24 October 2017	PP-1484	269201	795756	275.2	0.05	Heather and moss, dry	W17
25 October 2017	PP-1485	269321	796418	230	0.15	Heather and moss, dry	CP
25 October 2017	PP-1486	269291	796457	246.9	0.15	Heather and moss, wet	-
25 October 2017	PP-1487	269261	796497	252.3	0.23	Heather and moss, wet	-
25 October 2017	PP-1488	269230	796536	250.9	0.24	Heather and moss, wet	-
25 October 2017	PP-1489	269194	796585	247.7	0.10	Long rough grass and heather, wet	-
25 October 2017	PP-1490	269158	796632	244	1.61	Long rough grass and heather, dry	-
25 October 2017	PP-1491	269120	796678	245.2	0.26	Long rough grass and heather, dry	-
25 October 2017	PP-1492	269084	796713	246	0.37	Heather, dry	-
25 October 2017	PP-1493	269047	796747	248	1.40	Long grass, dry	-
-	PP-1494	268994	796799	-	-	No access	-
25 October 2017	PP-1495	269360	796389	247	0.20	Heather and moss, wet	M15b/M17/M25/M3

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25 October 2017	PP-1496	269340	796373	247.8	0.35	Heather and moss, wet	CP
25 October 2017	PP-1497	269310	796412	249.6	0.15	Heather and moss, wet	CP
25 October 2017	PP-1498	269331	796424	249.5	0.25	Heather and moss, wet	M15b/M17/M25/M3
25 October 2017	PP-1499	269304	796463	246	0.30	Heather and moss, wet	M15b/M17/M25/M3
25 October 2017	PP-1500	269280	796451	247	0.20	Heather and moss, wet	-
25 October 2017	PP-1501	269250	796488	250	0.29	Heather and moss, wet	-
25 October 2017	PP-1502	269274	796505	249.6	0.17	Heather and moss, wet	-
25 October 2017	PP-1503	269243	796545	247.6	0.21	Heather and moss, wet	-
25 October 2017	PP-1504	269219	796527	248.6	0.11	Heather and moss, wet	-
25 October 2017	PP-1505	269183	796576	248.7	0.15	Long rough grass and heather, wet	-
25 October 2017	PP-1506	269208	796593	247.2	0.06	Heather, dry	-
25 October 2017	PP-1507	269149	796624	242.9	1.37	Heather and moss, wet	-
25 October 2017	PP-1508	269169	796640	242	1.66	Long rough grass and heather, wet	-
25 October 2017	PP-1509	269130	796687	242.2	0.24	Long rough grass and moss, wet	-
25 October 2017	PP-1510	269112	796669	247	0.23	Heather, dry	-
25 October 2017	PP-1511	269094	796721	247	0.30	Heather, dry	-
25 October 2017	PP-1512	269075	796705	248	0.42	Heather, dry	-
25 October 2017	PP-1513	269006	796811	-	-	No access, other side of river	-
25 October 2017	PP-1514	268986	796784	-	-	No access, other side of river	-
25 October 2017	PP-1515	269040	796739	247	1.25	Long grass, dry	-
25 October 2017	PP-1516	269056	796757	249	1.50	Long grass, dry	-
26 November 2017	PP-1517	269601	796457	268	0.05	Trees, grass, dry	W11/MG1/OV27
26 November 2017	PP-1518	269626	796529	260	0.10	Trees, grass, dry	W11
30 October 2017	PP-1519	269663	796594	-	-	No access, with railway boundary	W11
30 October 2017	PP-1520	269691	796653	-	-	No access, with railway boundary	H12a
30 October 2017	PP-1521	269723	796702	-	-	No access, with railway boundary	H12a
30 October 2017	PP-1522	269755	796752	-	-	No access, with railway boundary	H12a
30 October 2017	PP-1523	269787	796795	-	-	No access, with railway boundary	H12a
30 October 2017	PP-1524	269831	796840	-	-	No access, with railway boundary	H12a
26 November 2017	PP-1525	269891	796876	-	-	No access, with railway boundary	W17/W11
26 November 2017	PP-1526	269968	796900	261	0.10	Heather, trees, dry	W17/W11
26 November 2017	PP-1527	270777	797571	-	-	No access, with railway boundary	W17/W11/H12a/W4
22 November 2017	PP-1528	271060	797447	260	0.20	Heather, grass, dry	CP
05 December 2017	PP-1529	271139	797473	262	0.10	Grass, moss, trees dry	CP
22 November 2017	PP-1530	271221	797512	265	0.10	Trees, grass, dry	CP
22 November 2017	PP-1531	271294	797562	260	0.10	Trees, grass, dry	CP
22 November 2017	PP-1532	271362	797611	254	0.20	Trees, grass, dry	RTP
22 November 2017	PP-1533	271429	797661	253	0.10	Grass, wet	MG6/U4b
24 November 2017	PP-1534	272212	798070	242	0.40	Trees, grass, wet	W11/U4
25 November 2017	PP-1535	272456	798294	246	0.10	Grass, dry	W11/U4
25 November 2017	PP-1536	272674	798414	248	0.20	Grass, dry	H10/U4
22 November 2017	PP-1537	272772	798434	248	0.45	Heather, grass, dry	H10/U4
22 November 2017	PP-1538	272884	798454	245	0.10	Heather, moss, dry	MG6
22 November 2017	PP-1539	272947	798490	236	0.03	Grass, dry	MG6

Date	Location ID	Easting	Northing	Ground Level (mAOD)	Probed/ Peat Depth (m)	Comments	Vegetation/ Habitat based on NVC Surveys (MacArthur Green, 2015)
22 November 2017	PP-1540	273013	798516	232	0.03	Grass, reeds, dry	W11
22 November 2017	PP-1541	273048	798553	231	0.33	Grass, reeds, wet	W11
22 November 2017	PP-1542	273120	798543	231	0.29	Grass, reeds, wet	W17/W23
26 November 2017	PP-1543	273182	798509	226	0.10	Trees, grass, dry	U4b/U4a/H10d/CG10a
16 November 2017	PP-1544	273259	798498	248	0.21	Grass, dry	U4b/U4a/H10d/CG10a
16 November 2017	PP-1545	273311	798530	245	0.20	Grass, dry	U4b/U4a/H10d/CG10a
16 November 2017	PP-1546	274067	798834	253	0.05	Grass, dry	MG6/OV25a
16 November 2017	PP-1547	274198	798894	250	0.11	Grass, dry	MG6/OV25a
16 November 2017	PP-1548	274368	798959	230	0.01	Heather, trees, dry	W11/W17
14 November 2017	PP-1549	275835	799374	237	0.20	Grass, dry	U4b
23 November 2017	PP-1550	275925	799381	234	0.50	Grass, wet	U4b/OV25
14 November 2017	PP-1551	276002	799393	238	0.19	Grass, dry	U4b/OV25
14 November 2017	PP-1552	276082	799414	-	-	No access, in garden	U4b/OV25
23 November 2017	PP-1553	276146	799443	234	0.10	Grass, dry	RTP
14 November 2017	PP-1554	276206	799480	-	-	No access, in garden	U4b/OV25
14 November 2017	PP-1555	275832	799394	-	-	On road	U4b
14 November 2017	PP-1556	275836	799350	239	0.19	Grass, dry	U4b
14 November 2017	PP-1557	275927	799363	238	0.32	Grass, dry	U4b/OV25
14 November 2017	PP-1558	275922	799400	237	0.20	Grass, dry	U4b
14 November 2017	PP-1559	275997	799414	238	0.19	Grass, dry	U4b
14 November 2017	PP-1560	276006	799376	240	0.16	Grass, dry	U4b/OV25
23 November 2017	PP-1561	276076	799429	-	-	No access	BD
14 November 2017	PP-1562	276085	799401	238	0.29	Grass, reeds, dry	U4b/OV25
23 November 2017	PP-1563	276140	799455	-	-	No access	BD
14 November 2017	PP-1564	276152	799429	-	-	No access, in garden	U4b/M23b/S10b
14 November 2017	PP-1565	276195	799491	-	-	No access, in garden	BD
14 November 2017	PP-1566	276213	799469	238	0.05	Grass, dry	U4b/OV25
09 November 2017	PP-1567	276259	799508	238	0.30	Grass, dry	U4b/OV25
10 November 2017	PP-1568	276693	800713	223	0.20	Grass, dry	RW
10 November 2017	PP-1569	276709	800730	224	0.40	Grass, dry	RW
10 November 2017	PP-1570	276391	800911	224	0.15	Grass, trees, dry	U4/M23a/OV27/W6/OV25/MG1
10 November 2017	PP-1571	276407	800938	-	-	No access, in garden	W10
10 November 2017	PP-1572	276449	800980	-	-	No access, in garden	U4b
10 November 2017	PP-1573	276485	801015	229	0.06	Grass, dry	U4b
10 November 2017	PP-1574	276500	801063	229	0.06	Grass, dry	U4b
10 November 2017	PP-1575	276533	801143	235	0.08	Grass, dry	U4b
10 November 2017	PP-1576	276577	801236	236	0.45	Grass, reeds, dry	U4b
10 November 2017	PP-1577	276918	801146	228	0.55	Grass, trees, dry	U4a/U4b
03 November 2017	PP-1578	278845	802177	230	0.06	Grass, dry	MG7
03 November 2017	PP-1579	278884	802199	231	0.07	Grass, dry	MG7
03 November 2017	PP-1580	278926	802220	231	0.07	Grass, dry	MG7
03 November 2017	PP-1581	278976	802250	232	0.15	Grass, dry	W8/W10
02 November 2017	PP-1582	279149	802388	228	0.07	Grass, dry	MG7
02 November 2017	PP-1583	279228	802478	232	0.05	Grass, dry	MG7

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02 November 2017	PP-1584	279315	802560	234	0.05	Grass, dry	MG7
02 November 2017	PP-1585	279367	802605	235	0.05	Grass, dry	MG7
02 November 2017	PP-1586	279401	802639	234	0.05	Grass, dry	MG7
02 November 2017	PP-1587	279413	802658	235	0.05	Grass, dry	MG7
02 November 2017	PP-1588	279448	802700	241	0.05	Grass and reeds, dry	MG7
02 November 2017	PP-1589	279472	802725	241	0.25	Grass and reeds, dry	MG10a
02 November 2017	PP-1590	279503	802751	242	0.20	Reeds, dry	MG10a
02 November 2017	PP-1591	279518	802777	244	0.06	Grass, dry	MG7
02 November 2017	PP-1592	279544	802807	248	0.04	Grass, dry	MG7
02 November 2017	PP-1593	279561	802835	251	0.04	Grass, dry	MG7
02 November 2017	PP-1594	279579	802886	255	0.20	Long grass and trees, dry	W9/W10/MG1
02 November 2017	PP-1595	279632	802910	251	0.20	Long grass and trees, dry	W9/W10/MG1
02 November 2017	PP-1596	279651	802929	252	0.05	Grass, dry	MG10a
02 November 2017	PP-1597	279618	802852	250	0.02	Grass and reeds, dry	W9/W10/MG1
02 November 2017	PP-1598	279647	802879	247	0.70	Grass, wet	W9/W10/MG1
02 November 2017	PP-1599	279740	802946	256	0.14	Grass, dry	MG6/MG1
02 November 2017	PP-1600	280163	803247	254	0.75	Grass, moss and trees, dry	MG6/MG1
01 November 2017	PP-1601	280548	803396	254	0.75	Grass and moss, dry	CP/W18/BD/U20/OV25a
01 November 2017	PP-1602	280678	803452	259	0.20	Grass, heather and trees, dry	W17
01 November 2017	PP-1603	280715	803476	261	0.10	Grass and ferns, dry	MG6
23 November 2017	PP-1604	280786	803506	244	0.05	Grass, dry	MG6
01 November 2017	PP-1605	281009	803651	250	0.25	Long grass and trees, dry	W11/W17/U20a
01 November 2017	PP-1606	281047	803695	242	0.15	Long grass and trees, dry	W11/W17/U20a
01 November 2017	PP-1607	281058	803749	239	0.30	Ferns and trees, dry	W11/W17/U20a
01 November 2017	PP-1608	281064	803763	242	0.25	Ferns and trees, dry	W11/U20/W19/U4/H10
02 November 2017	PP-1609	281123	803789	251	0.02	Moss and trees, dry	W11/U20/W19/U4/H10
02 November 2017	PP-1610	281183	803843	248	0.02	Cut grass	W11/W17/U20
02 November 2017	PP-1611	281227	803896	251	0.00	Gravel/stone	QY
02 November 2017	PP-1612	281302	803947	252	0.00	Concrete	QY
02 November 2017	PP-1613	281520	804080	233	0.05	Grass and trees, dry	MG6
02 November 2017	PP-1614	281577	804006	227	0.10	Grass and trees, dry. Moved 6m north	W3
02 November 2017	PP-1615	281457	804048	244	0.02	Grass and trees, dry	W11/W17/U20
02 November 2017	PP-1616	281226	803673	226	0.10	Long grass, dry	W3/S9b
01 November 2017	PP-1617	281195	803651	226	0.10	Long grass, dry	W3/S9b
01 November 2017	PP-1618	279328	802270	223	0.15	Grass and reeds, dry. Moved 8m south outside rail boundary	MG10a/M23b/U4b
01 November 2017	PP-1619	279247	802217	224	0.10	Grass, dry. Moved 7m south outside rail boundary	U4b
01 November 2017	PP-1620	279080	802133	-	-	No access, crops in field	MG7b
01 November 2017	PP-1621	278994	802061	-	-	No access, crops in field	MG7b
23 November 2017	PP-1622	278929	802014	226	0.10	Grass, gravel, dry	MG1a/SWS/M27a/U4a
14 November 2017	PP-1623	276048	799587	237	0.20	Grass, dry	U4b
14 November 2017	PP-1624	276009	799534	237	0.26	Grass, dry	U4b
14 November 2017	PP-1625	275949	799505	236	0.24	Grass, dry	U4b
14 November 2017	PP-1626	276087	799633	239	0.20	Grass, dry	U4b
14 December 2017	PP-1627	280345	803313	251	0.15	Grass, dry, trees	MG10a

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02 November 2017	PP-1628	280306	803355	254	0.55	Grass, dry	W17
02 November 2017	PP-1629	280269	803392	252	0.10	Grass, dry	W17
02 November 2017	PP-1630	280228	803427	252	0.60	Grass, dry	W17
02 November 2017	PP-1631	280186	803465	255	0.20	Grass and trees, dry	W17
02 November 2017	PP-1632	280137	803506	258	0.30	Grass and moss, dry	-
02 November 2017	PP-1633	280093	803547	262	0.20	Grass, ferns and moss, dry	-
02 November 2017	PP-1634	280022	803574	271	0.11	Grass, dry	-
02 November 2017	PP-1635	279960	803543	275	0.10	Moss and trees, dry	-
02 November 2017	PP-1636	279897	803494	279	0.10	Grass and trees, dry	-
02 November 2017	PP-1637	279846	803446	277	0.20	Moss and trees, dry	-
02 November 2017	PP-1638	279811	803420	274	0.90	Moss and trees, dry	-
02 November 2017	PP-1639	279871	803395	-	-	Haul road	-
02 November 2017	PP-1640	279889	803371	263	0.02	Soil and gravel, dry	RTP
02 November 2017	PP-1641	279896	803375	263	0.00	Haul road	W11
02 November 2017	PP-1642	279878	803363	261	0.30	Moss and reeds, wet	W11
02 November 2017	PP-1643	279881	803401	-	-	No access, obstruction	-
02 November 2017	PP-1644	279860	803389	-	-	Haul road	-
02 November 2017	PP-1645	279817	803411	-	-	Haul road	-
02 November 2017	PP-1646	279802	803432	278	0.25	Moss and trees, dry	-
02 November 2017	PP-1647	279837	803458	270	0.39	Moss and trees, dry	-
02 November 2017	PP-1648	279851	803437	278	0.10	Moss and trees, dry	-
02 November 2017	PP-1649	279905	803486	279	0.10	Moss and trees, dry	-
02 November 2017	PP-1650	279888	803502	281	0.15	Moss and trees, dry	-
02 November 2017	PP-1651	279967	803533	275	0.10	Grass, dry	-
02 November 2017	PP-1652	279952	803551	275	0.11	Moss and trees, dry	-
02 November 2017	PP-1653	280020	803588	272	0.09	Grass and trees, dry	-
02 November 2017	PP-1654	280024	803560	267	0.05	Grass, dry	-
02 November 2017	PP-1655	280084	803538	261	0.20	Grass and reeds, dry	-
02 November 2017	PP-1656	280101	803556	261	0.10	Grass, ferns and trees, dry	-
02 November 2017	PP-1657	280130	803498	257	0.25	Grass and reeds, wet	MG10a/S9
02 November 2017	PP-1658	280145	803515	258	0.20	Grass and moss, wet	-
02 November 2017	PP-1659	280178	803455	257	0.30	Grass and reeds, dry	MG10a/S9
02 November 2017	PP-1660	280194	803474	255	0.30	Grass and trees, dry	MG6/BD/U20
02 November 2017	PP-1661	280221	803418	251	0.40	Reeds, wet	MG10a/S9
02 November 2017	PP-1662	280235	803435	252	0.40	Grass, dry	W17
02 November 2017	PP-1663	280261	803383	251	0.30	Long grass, dry	MG6/MG1
02 November 2017	PP-1664	280278	803401	252	0.09	Grass, dry	MG6/BD/U20
02 November 2017	PP-1665	280314	803361	252	0.20	Grass, dry	W17
02 November 2017	PP-1666	280298	803349	253	0.10	Grass, dry	MG10a/S9
14 November 2017	PP-1667	275913	799450	235	0.19	Grass, dry	U4b
14 November 2017	PP-1668	276015	799474	239	0.18	Grass, dry	U4b
14 November 2017	PP-1669	276095	799514	239	0.23	Grass, dry	U4b
14 November 2017	PP-1670	276127	799558	238	0.30	Grass, dry	U4b
01 November 2017	PP-1671	281128	803632	228	0.22	Grass and trees, dry	W11c/W11d/U4b

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23 November 2017	PP-1672	281185	803674	217	0.20	Grass, gravel, dry	U4b
02 November 2017	PP-1673	281204	803689	226	0.10	Long grass, dry	BD
02 November 2017	PP-1674	281249	803727	231	0.10	Long grass, moss and trees, dry	BD
12 June 2017	PC02	269284	794206	328	0.50	Heather, moss, grass, wet.	-
13 December 2017	PC03	269123	794517	235	1.30	Heather, grass, dry	M15b/M19a
12 June 2017	PC04	269309	794791	292	0.50	Heather, grass, dry	M25a/M15b
12 June 2017	PC05	269465	794971	303	0.50	Heather, grass, wet	M15b/M25a
12 June 2017	PC06	269800	796232	269	0.40	Heather, grass, dry	M15b
12 May 2017	PC07	270298	796610	266	0.50	Heather, grass, moss, wet	M17b
12 May 2017	PC08	270692	796642	276	0.35	Heather, grass, moss, wet	M6a
12 April 2017	PC09	270750	797025	274	0.10	Heather, moss, dry.	M15b
12 May 2017	PC10	270350	796753	263	0.30	moss, cotton grass, wet	M6a
12 April 2017	PC11	271050	797000	280	0.35	Heather, moss, wet	H12a/SWS
12 April 2017	PC12	271200	797150	277	0.20	Heather, moss, wet	H12a/SWS
12 November 2017	PC13	273040	798441	235	0.50	Grass field, reeds, dry.	M6d/M23b/M3
12 September 2017	PC15	275714	799582	220	0.05	Grass field, reeds, dry.	U4b
12 September 2017	PC16	276080	799892	223	0.05	Grass field, reeds, dry.	U4b
12 September 2017	PC17	276125	800175	223	0.05	Grass field, reeds, dry.	U4b
12 September 2017	PC18	276397	800091	222	0.05	Grass field, reeds, dry.	U4b/MG9a/MG10a/M23a/S9a
12 September 2017	PC19	276466	800233	221	0.05	Grass field, reeds, dry.	U4b
13 December 2017	PC21	276239	800448	220	0.10	Grass, reeds dry, No sample recovery	U4b
12 September 2017	PC22	276590	800411	220	0.05	Grass field near river.	U4b
12 November 2017	PC23	277443	801814	228	0.20	Reeds, moss, wet.	U20a/U4b
12 November 2017	PC24	277476	801713	225	0.10	Grass, reeds, dry.	M23a/S9a/MG9a
12 September 2017	PC29	275435	799349	235	0.05	Grass field, dry	U4b
12 May 2017	PC30	270325	796827	261	1.45	Moss, cotton grass, wet	M6a
12 November 2017	PC31	273014	798466	229	2.00	Reeds, moss, wet bog	M6d/M23b/M3
12 November 2017	PC32	277700	801550	223	1.50	Reeds, moss, shrubs, wet	S9a/M25a/M25c/M6a
12 October 2017	PC33	277372	801398	222	0.50	Reeds, moss, wet	M25a/S9a/M6c
13 December 2017	PC35	280704	803310	224	0.10	Grass, heather dry	W3/S9b
13 December 2017	PC36	280468	803241	224	0.05	Leaves, trees, grass	W11c/W11d/U4b
13 December 2017	PC37	269000	794242	293	0.35	Heather, moss, grass, reeds, wet	-
12 May 2017	PC50	270376	796909	269	0.05	Heather dry	CP
12 May 2017	PC51	270625	796925	267	1.06	Heather, cotton grass dry	M15b
12 April 2017	PC52	270675	797100	260	0.10	Heather, dry	H12a/SWS
12 April 2017	PC54	270800	797150	252	0.15	Heather, dry	M25a/M15b
12 November 2017	PC68	272794	798372	245	0.05	Grass, field, dry	MG6
12 November 2017	PC77	273875	798625	236	0.05	Grass, field, dry	M23a/M6d/U4a/M6a
12 November 2017	PC78	274025	798650	232	0.05	Grass reeds dry.	M23a/M6d/U4a/M6a
12 September 2017	PC88	275350	799200	239	0.05	Grass, field / verge, dry. No sample recovery	W11
12 September 2017	PC89	275464	799383	220	0.05	Grass, field, dry	U4b
12 September 2017	PC90	275886	799374	237	0.05	Grass, field, dry	U4b
12 September 2017	PC91	275805	799395	239	0.05	Grass, field, dry	U4b
12 September 2017	PC92	275771	799344	237	0.05	Grass, field, dry	U4b

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12 September 2017	PC93	276032	799395	237	0.05	Grass, field, dry	U4b/OV25
12 September 2017	PC96	275856	799720	224	0.05	Grass, field, dry	-
12 September 2017	PC97	276050	799750	231	0.05	Grass, embankment, dry	W6e
12 September 2017	PC99	276250	799925	220	0.05	Grass, embankment, dry	U4b/MG9a/MG10a/M23a/S9a
12 September 2017	PC100	276250	800075	223	0.05	Grass field, topsoil dry	MG9/MG10a
12 September 2017	PC101	276518	800450	222	0.05	Grass reeds river bank dry	U4b
12 December 2017	PC102	276411	800609	231	0.05	Grass field dry	MG6
12 November 2017	PC107	276775	801087	228	0.20	Grass, reeds, trees, wet	W7a
12 November 2017	PC109	277038	801549	226	0.05	Grass, field, dry	U4b
12 November 2017	PC113	277519	801759	233	0.20	Grass, reeds, dry	W11d
12 November 2017	PC116	277782	801931	248	0.05	Grass, field, dry.	MG7/U20a
12 October 2017	PC124	279196	802240	222	0.05	Grass, field, dry.	MG7b/SWS
12 October 2017	PC126	279476	802631	232	0.05	Grass, filed, dry.	M27a
13 December 2017	PC128	280800	803416	230	0.05	Leaves, trees, bracken dry	W11c/W11d/U4b
13 December 2017	PC129	280965	803518	228	0.05	Trees, grass, heather, dry	W11c/W11d/U4b
12 April 2017	PC135	270648	797401	226	0.05	Trees, grass - No recovery	W17/W11
12 May 2017	PC136	269047	796747	246	0.05	grass, reeds No recovery	-
12 May 2017	PC137	269230	796536	247	0.05	Heather, Grass, dry	-
12 May 2017	PC138	269450	796353	250	0.15	Heather, grass, moss, dry	M15b/M17/M25/M3
12 June 2017	PC143	269438	794270	324	0.40	Heather, grass, moss wet	-
12 June 2017	PC144	269435	794287	324	0.50	Heather, grass, moss dry	-
12 June 2017	PC145	269437	794317	326	1.20	Heather, grass, reeds dry	-
12 June 2017	PC146	269618	795438	291	2.00	Heather, grass, wet	-
12 January 2018	PCBH114	270818	797139	257	1.75	Undertaken adjacent to borehole location to recover peat samples	M25a/M15b
12 January 2018	PCBH140	274276	798774	227	0.50	Undertaken adjacent to borehole location to recover peat samples	M23a/M6d/U4a/M6a
12 January 2018	PCBH170	277566	801764	230	0.60	Undertaken adjacent to borehole location to recover peat samples	W11d

<b>Equipment</b>	Mackintosh prospecting probe kit with 1.00m extension rods, Van Walt Russian Corer with 1.00m extension rods
<b>GPS Equipment (Accuracy)</b>	Garmin eTrex 12-channel GPS (+/- 3.00 to 7.00 m)
<b>Staff/ Contractor</b>	BAM Ritchies (on behalf of CH2M Fairhurst Joint Venture and Transport Scotland)

# Annex 10.1.3

## Peat Characteristic Data



Table 1: Advanced Ground Investigation (Raeburn, September to November 2015) (Boreholes and Trial Pits)

Location ID	Easting	Northing	Depth to Top (m)	Depth to Bottom (m)	Thickness (m)	Basic Peat/ Peaty Soil Description	Von Post Classification	Groundwater Level (m)
BH9-013	276659.0	801025.5	0.20	1.20	1.00	Dark brown slightly gravelly peaty fine to coarse SAND	-	1.00
BH9-014	277438.2	801721.8	0.10	2.00	1.90	Dark brown sandy fibrous PEAT with roots	H5, B1	2.50
BH9-017A	278620.8	802004.6	1.80	2.20	0.40	Brownish grey SAND and GRAVEL with pockets of dark brown PEAT	-	2.50
BH9-025	270669.5	796980.4	0.00	1.10	1.10	Dark brown fibrous PEAT with very high root content	H6, B2	1.10 / 10.00
BH9-025A	270669.0	796979.4	0.00	1.00	1.00	Dark brown fibrous PEAT with very high root content	H6, B2	1.00
BH9-026	270756.7	796942.5	0.00	0.20	0.20	Dark brown sandy gravelly peaty TOPSOIL with medium cobble content	-	14.30 / 20.50
BH9-029A	269747.6	796551.7	4.40	4.80	0.40	Dense dark brown fibrous PEAT with high root content	H3, B3	-
BH9-031	270751.2	797174.2	0.00	0.35	0.35	Dark brown fibrous PEAT with high root content	H4, B3	DRY
BH9-031A	270748.3	797172.6	0.00	0.35	0.35	Dark brown fibrous PEAT with high root content	H4, B3	4.60
BH9-034	276511.6	800572.7	0.00	0.50	0.50	Dark brown peaty TOPSOIL with rootlets	-	-
TP9-001	269108.3	794683.9	0.45	1.70	1.25	Dark brown fibrous locally plastic PEAT with roots, lenses of sand	H4, B2	DRY
TP9-002	269149.3	794879.6	0.00	0.30	0.30	Dark brown and black fibrous locally plastic slightly peat with roots, pockets of sand and gravel	H3, B1	2.20
TP9-004	269256.3	795363.4	0.00	0.10	0.10	Dark brown slightly pseudo-fibrous PEAT with low and medium root content	H4, B1	DRY
TP9-007	269369.5	795865.8	0.00	0.60	0.60	Dark brown slightly sandy pseudofibrous PEAT with roots and pockets of gravel	H4, B1	DRY
TP9-009	269566.0	796208.7	0.00	1.10	1.10	Greyish brown sand with roots, and pockets of dark brown pseudofibrous PEAT (possible landslip)	-	DRY
TP9-010	269713.7	796474.5	1.40	2.00	0.60	Dark brown and black spongy fibrous PEAT with high root content	H3, B1	DRY
TP9-012	270144.9	796863.4	0.60	0.80	0.20	Dark brown pseudo-fibrous locally plastic locally spongy PEAT	H4, B1	2.50
TP9-013	270288.9	796933.6	0.00	0.25	0.25	Greyish dark brown pseudo-fibrous locally plastic PEAT with pockets of gravel	H5, B3	2.50
TP9-016	270590.1	797227.5	0.00	0.20	0.20	Dark brown peaty TOPSOIL	-	DRY
TP9-017	270695.2	797306.3	0.00	0.30	0.30	Dark grey locally brown sandy slightly gravelly peaty TOPSOIL with roots	-	DRY
TP9-018	270753.8	797178.0	0.00	0.30	0.30	Brown slightly sandy pseudo-fibrous PEAT with medium root content	H4, B2	0.30
TP9-019	272067.8	797391.9	0.00	0.20	0.20	Dark brown peaty TOPSOIL	-	DRY
TP9-020	270895.2	797235.7	0.00	0.80	0.80	Brown plastic fibrous PEAT with high root content	H4, B3	0.30
TP9-026	274308.6	798864.3	0.00	0.25	-	Brown peaty sandy gravelly TOPSOIL with roots and low cobble content	-	-
TP9-026	274308.6	798864.3	0.25	1.05	-	Light brown gravelly fine to coarse SAND with pockets of dark brown fibrous PEAT	-	-
TP9-026	274308.6	798864.3	1.05	2.10	-	Dark brown fibrous PEAT with high root content	H3, B1	-
TP9-026	274308.6	798864.3	2.10	2.60	-	Light grey slightly peaty fine and coarse SAND with roots	-	-
TP9-026	274308.6	798864.3	2.60	2.80	-	Light grey slightly peaty fine and coarse SAND with low cobble content and strong organic odour	-	-
TP9-026	274308.6	798864.3	2.80	3.60	3.60	Light brown very sandy fibrous PEAT with medium and high root content with sulphurous odour	H4, B1	3.60

<b>Equipment</b>	Variable (Hand Tools, Cable Percussion/ Rotary Drilling Rigs and Tracked Excavator)
<b>GPS Equipment (Accuracy)</b>	Total Station Theodolite
<b>Staff/ Contractor</b>	Raeburn Drilling and Geotechnical Limited (on behalf of CH2M Fairhurst Joint Venture and Transport Scotland)

Table 2: DMRB Stage 3 Supplementary Peat Survey (CFJV, June 2017) (Peat Cores)

Location ID	Easting	Northing	Depth to Top (m)	Depth to Bottom (m)	Acrotelm (m)	Basic Peat/ Soil Description	Von Post Classification	Troels-Smith Classification	Groundwater Level (m)
P09-3-PP0884	269190	794391	0.00	0.50	0.30	Poor recovery, vegetation to 0.30m	-	-	Visibly at/ near surface
-	-	-	0.50	1.00		Spongy dark brown pseudo-fibrous PEAT	H5, B3, F3, R2, W3, A3, P1	DI1 Strip+	-
-	-	-	1.00	1.50	-	Spongy dark brown pseudo-fibrous PEAT	H6, B3, F2, R2, W3, A2, P0	DI1	-
-	-	-	1.50	2.00	-	Firm dark brown to black pseudo-fibrous PEAT	H4, B2, F3, R1, W1, A2	DI+	-
-	-	-	2.00	2.40	-	No recovery	-	-	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-	-
P09-3-PP0885	269201	794802	-	-	-	Firm dark brown fibrous PEAT	-	-	-
-	-	-	0.50	0.75	-	Firm dark brown fibrous PEAT	H2, B2, F3, R0, W0, P1	As+	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-	-
P09-3-PP0886	269399	795898	0.00	0.10	-	Sandy TOPSOIL	-	-	Dry
P09-3-PP0887	269801	796192	0.00	0.35	-	Spongy dark brown to black fibrous PEAT	H2, B4, F2, R2, W1, A1, P0	-	Damp
-	-	-	0.35	0.85	-	Spongy, locally plastic dark brown to black fibrous PEAT	H1, B2, F2, R2, W2, A0, P1	As3 Gmin+ T11 Strip+	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-	-
P09-3-PP0888	269799	796309	0.00	0.50	-	Firm dark brown to black fibrous PEAT	H4, B2, F3, R1, W1, A1, P1	As+ T1+	-
-	-	-	0.50	0.69	-	Firm dark brown to black fibrous PEAT with frequent sand	H1, B2, F2, R0, W2, A0, P1	As+ Gmin3 DI1	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-	-
P09-3-PP0889	270202	796603	0.00	0.50	-	Spongy dark brown fibrous PEAT	H4, B3, F3, R1, W0, A1, P0	Tb1	Damp
-	-	-	0.50	1.00	-	Spongy dark brown fibrous PEAT	H5, B3, F2, R1, A1, P0	Tb1	-
-	-	-	1.00	1.59	-	Firm dark brown pseudo-fibrous firm PEAT	H6, B2, F2, R1, W3, A0, P0	Sh+ T11	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-	-
P09-3-PP0890	270339	796837	0.00	0.10	0.10	Mossy vegetation	-	-	Damp
-	-	-	0.10	0.40	-	Firm black fibrous PEAT	H1, B2, F2, R1, W0, A0	As+ Tb+ Sicc3	-
-	-	-	0.40	0.54	-	Firm black pseudo-fibrous PEAT	H6, B2, F1, R0, W0, A0, P1	As1	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-	-
P09-3-PP0891	273045	798476	0.00	0.40	-	Firm dark brown fibrous PEAT (very poor recovery)	H3, B5, F3, A3	DI2	At surface
-	-	-	0.40	0.90	-	Firm dark brown oxidising to black fibrous PEAT	H3, B4, F2, R2, W2, A0, P0	DI1	-
-	-	-	0.90	1.40	-	No recovery	-	-	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-	-
P09-3-PP0892	270598	797003	0.00	0.50	-	Plastic dark brown to black fibrous PEAT	H3, B2, F2, R1, W1, A0, P1	As+ Th1 Tb+ T1+ DI+ Sc+	Damp
-	-	-	0.50	1.00	-	No Recovery	-	-	-
-	-	-	1.00	1.20	-	Spongy dark brown pseudo-fibrous PEAT	H6, B2, F2, R0, W0, A0, P1	As1 Th1	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-	-
P09-3-PP0893	270815	796971	0.00	0.15	-	Spongy dark brown fibrous PEAT	H3, B2, F2, R0, W0, A1, P0	Sicc3	-
-	-	-	0.15	0.35	-	Plastic dark brown to black pseud- fibrous PEAT	H6, B2, F1, R0, W0, A1, P1	As+ Gmin+ Th+	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-	-
P09-3-PP0894	271207	797211	0.00	0.50	-	Spongy, locally plastic brown pseudo-fibrous PEAT	H8, B3, F2, R1, W0, A1, P1	As+ Gmin+	-
-	-	-	0.50	1.00	-	Spongy, locally plastic dark brown pseudo-fibrous PEAT	H6, B4, F2, R1, W1, A1, P0	T1+	-
-	-	-	1.00	1.15	-	Plastic dark brown amorphous PEAT	H9, B3, F1, R0, W0, A2, P0	Gmin+ Sh2 Ld3	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-	-

Location ID	Easting	Northing	Depth to Top (m)	Depth to Bottom (m)	Acrotelm (m)	Basic Peat/ Soil Description	Von Post Classification	Troels-Smith Classification	Groundwater Level (m)
P09-3-PP0895	271501	797202	0.00	0.50	-	Firm dark brown to black fibrous PEAT	H3, B2, F3, R1, W0, A1, P1	As+ Th+	-
-	-	-	0.50	1.00	-	Spongy, locally plastic dark brown pseudo-fibrous PEAT	H6, B2, F2, R1, W2, A2, P0	Ag+ DI1	-
-	-	-	1.00	1.50	-	Plastic dark brown pseudo-fibrous PEAT	H6, B2, F2, R0, W2, A1, P0	DI1	-
-	-	-	1.50	1.80	-	Plastic dark brown pseudo-fibrous PEAT	H8, B2, F2, R0, W0, A1, P1	As+ Sh+ Ld+	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-	-
P09-3-PP0896	271596	797500	0.00	0.30	-	Peaty TOPSOIL	-	-	-
P09-3-PP0897	270892	797204	0.00	0.50	-	Spongy dark brown to black fibrous PEAT	H3, B2, F2, R1, W1, A2, P1	As+	-
-	-	-	0.50	1.00	-	Plastic dark brown pseudo-fibrous PEAT	H6, B2, F2, R0, W2, A2, P1	As+ DI1	-
-	-	-	1.00	1.10	-	Plastic dark brown to black pseudo-fibrous PEAT	H8, B4, F1, W1, A0, P0	Ag+ Ld+	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-	-
P09-3-PP0898	270809	797195	0.00	0.50	-	Spongy brown spongy PEAT	H4, B2, F3, R1, W0, A1, P0	Ag+ Tb+	-
-	-	-	0.50	0.70	-	Plastic dark brown pseudo fibrous PEAT	H6, B2, F1, R2, W0, A1, P0	Ag+	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-	-
P09-3-PP0899	274101	798701	0.00	0.55	-	Silty slightly clayey slightly peaty TOPSOIL with frequent rootlets	-	-	-
P09-3-PP0900	274001	798594	0.00	0.50	-	Dark brown peaty silty TOPSOIL with frequent rootlets	-	-	-
-	-	-	0.50	0.91	-	Spongy dark brown pseudo-fibrous PEAT	H8, B3, F2, R1, W1, A0, P0	Ag2 DI+ Ld+	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-	-
P09-3-PP0901	273961	798576	0.00	0.20	-	Peaty TOPSOIL with frequent rootlets (very saturated)	-	-	Wet
-	-	-	0.20	0.55	-	Grey silty slightly peaty SAND	-	-	-
P09-3-PP0902	278141	801734	0.00	0.35	-	No Recovery	-	-	Wet
-	-	-	0.35	0.60	-	Sandy slightly silty locally peaty TOPSOIL	-	-	-
P09-3-PP0903	278102	801773	0.00	0.40	-	Firm dark brown fibrous PEAT with high sand content	H2, B2, F2, R1, W0, A2, P0	Ag1 Gmin2	Wet
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-	-
P09-3-PP0904	278029	801799	0.00	0.35	-	Sandy peaty TOPSOIL	-	-	Wet
P09-3-PP0905	278034	801757	0.00	0.40	-	Dark brown to black peaty sandy TOPSOIL	-	-	Wet
P09-3-PP0906	278021	801660	0.00	0.38	-	Sandy peaty TOPSOIL	-	-	Wet
P09-3-PP0907	278161	801667	0.00	0.34	-	Dark brown peaty sandy TOPSOIL (very wet)	-	-	Wet
P09-3-PP0908	274999	798804	0.00	0.32	-	Grey sandy slightly peaty TOPSOIL	-	-	-
P09-3-PP0909	274552	798843	0.00	0.38	-	Brown sandy slightly silty TOPSOIL	-	-	-

<b>Equipment</b>	1.20m Van Walt Utility Peat Probe with 0.92m extension rods, 1.00m Van Walt gouge auger with 1.00m extension rods
<b>GPS Equipment (Accuracy)</b>	Garmin eTrex 12-channel GPS (+/- 6.00 to 10.00 m)
<b>Staff/ Contractor</b>	Jennifer McLeod (CFJV) and Harry Atkin (CFJV)

Table 3: Preliminary Ground Investigation (BAM Ritchies, November 2017 to January 2018) (Peat Cores)

Location ID	Easting	Northing	Depth to Top (m)	Depth to Bottom (m)	Acrotelm (m)	Basic Peat/ Soil Description	Von Post Classification	Groundwater Level (m)
PC02	269284	794206	0.00	0.50	-	Spongey brown pseudo-fibrous PEAT. Slightly decomposed, moderate fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test not possible, no odour, low tensile strength	H4, B1, F3, R0, W0, T0, A0, P0	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-
PC03	269123	794517	0.00	0.50	-	Spongy brown fibrous slightly decomposed PEAT with abundant fine rootlets no coarse rootlets, no wood, no odour, no plastic limit test possible	H4, B2, F3, R0, W0, A0, T1, P0	-
-	-	-	0.50	1.00	-	Spongy black pseudo-fibrous PEAT. Moderately to moderate strongly decomposed, moderate fine fibrous peat with no coarse fibres and some amorphous material, plastic limit test possible, slight odour, no tensile strength	H5/H6, B1, F2, R1, W0	-
-	-	-	1.00	1.30	-	Spongy black pseudo-fibrous PEAT. Moderately to moderate strongly decomposed, moderate fine fibrous peat with no coarse fibres and some amorphous material, low wood material, plastic limit test possible, slight odour	H5/H6, B1, F2, R1, W0	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-
PC04	269309	794791	0.00	0.50	-	Plastic dark brown pseudo-fibrous to amorphous PEAT. Moderate strongly decomposed low fine fibrous peat with no coarse fibres and high amorphous material, plastic limit test possible, slight odour, low tensile strength	H6, B1, F1, R1, W0, T1, A1, P0	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-
PC05	269465	794971	0.00	0.50	-	Spongy brown pseudo-fibrous PEAT. Slightly decomposed moderate fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test not possible, no odour, low tensile strength	H4, B1, F2, R1, W0, T1, A0, P0	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-
PC06	269800	796232	0.00	0.40	-	Spongy dark brown pseudo fibrous PEAT. Moderately decomposed moderate fine fibrous peat with no coarse fibres and high amorphous material, plastic limit test possible, slight smell low tensile strength	H5, B1, F2, R0, W0, T1, A1, P0	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-
PC07	270298	796610	0.00	0.50	-	Spongy dark brown pseudo-fibrous PEAT. Slightly decomposed moderate fine fibrous peat with no coarse fibres and moderate amorphous material, plastic limit test not possible, no odour, no tensile strength	H4, B1, F2, R0, W0, T0, A0, P0	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-
PC08	270692	796642	0.00	0.35	-	Spongy dark brown pseudo-fibrous PEAT. Moderately decomposed moderate fine fibrous peat with no coarse fibres and moderate amorphous material, plastic limit test not possible, no odour, no tensile strength	H5, B1, F2, R0, W0, T0, A0, P0	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-
PC09	270750	797025	0.00	0.10	-	Spongy dark brown pseudo-fibrous PEAT. Moderately decomposed moderate fine fibrous peat with no coarse fibres and moderate amorphous material, plastic limit test not possible, no odour, no tensile strength	H5, B2, F2, R0, W0, T0, A0, P0	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-
PC10	270350	796753	0.00	0.30	-	Spongy dark brown pseudo-fibrous PEAT. Slightly decomposed low fine fibrous peat with no coarse fibres and moderate amorphous material, plastic limit test not possible, no odour, no tensile strength	H4, B1, F2, R1, W0, T1, A0, P0	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-
PC11	271050	797000	0.00	0.35	-	Spongy dark brown pseudo-fibrous PEAT. Moderately strongly decomposed high fine fibrous peat with no coarse fibres and moderate amorphous material, plastic limit test not possible, no odour, no tensile strength	H6, B2, F3, R0, W0, T0, A0, P0	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-
PC12	271200	797150	0.00	0.20	-	Spongy dark brown pseudo-fibrous PEAT. Moderately decomposed moderate fine fibrous peat with no coarse fibres and moderate amorphous material, plastic limit test not possible, no odour, no tensile strength	H5, B2, F2, R0, W0, T0, A0, P0	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-
PC13	273040	798441	0.00	0.50	-	Spongy dark brown pseudo-fibrous silty PEAT. Moderately decomposed, moderate fine fibrous peat with no coarse fibres and some amorphous material, plastic limit test possible, slight odour, no tensile strength	H5 - H6, B1, F2, R1, W0, T0, A1, P1	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-
PC23	277443	801814	0.00	0.20	-	Soft black slightly sandy peaty SILT with moderate fines	-	-
PC30	270325	796827	0.00	0.35	-	Spongy brown pseudo-fibrous PEAT. Slightly decomposed moderate fine fibrous peat with no coarse fibres and some amorphous material, plastic limit test not possible, no odour, low tensile strength	H4, B3, F2, R0, W0, T1, A0, P0	-
-	-	-	0.35	0.85	-	Spongy dark brown pseudo-fibrous PEAT. Moderately decomposed moderate fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test not possible, slight odour, no tensile strength	H5, B3, F2, R1, W0, T0, A0, P0	-
-	-	-	0.85	1.35	-	Spongy dark brown pseudo-fibrous PEAT. Moderately decomposed moderate fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test not possible, slight odour, no tensile strength	H5, B3, F2, R1, W0, T0, A0, P0	-
-	-	-	1.35	1.45	-	Spongy dark brown pseudo-fibrous PEAT. Moderately decomposed moderate fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test not possible, slight odour, no tensile strength	H5, B3, F2, R1, W0, T0, A0, P0	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-

Location ID	Easting	Northing	Depth to Top (m)	Depth to Bottom (m)	Acrotelm (m)	Basic Peat/ Soil Description	Von Post Classification	Groundwater Level (m)
PC31	273014	798466	0.00	0.50	-	Spongy brown pseudo-fibrous PEAT. Slightly decomposed high fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test not possible, no odour, low tensile strength	H4, B2, F3, R1, W0, T1, A0, P0	-
-	-	-	0.50	1.00	-	Spongy brown pseudo-fibrous PEAT. Slightly decomposed high fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test not possible, no odour, low tensile strength	H4, B2, F3, R1, W0, T1, A0, P0	-
-	-	-	1.00	1.50	-	Spongy brown pseudo-fibrous PEAT. Moderately decomposed high fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test not possible, no odour, low tensile strength	H4, B3, F3, R1, W0, T1, A0, P0	-
-	-	-	1.50	2.00	-	Plastic black amorphous to pseudo-fibrous PEAT. Moderately strongly decomposed, with moderate fine fibres, low coarse fibres and some wood relics.	H6, B2, F2, R1, W1, T1, P1	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-
PC32	277700	801550	0.00	0.50	-	Spongy black pseudo-fibrous PEAT. Moderately low to moderate strongly decomposed, moderate fine fibrous peat with no coarse fibres and some amorphous material, plastic limit test possible, slight odour, no tensile strength	H5/H6, B1, F2, R1, W0, T0, A1, P1	-
-	-	-	0.50	1.00	-	Spongy black pseudo-fibrous PEAT. Moderately low to moderate strongly decomposed, moderate fine fibrous peat with no coarse fibres and some amorphous material, plastic limit test possible, slight odour, no tensile strength	H5/H6, B1, F2, R1, W0, T0, A1, P1	-
-	-	-	1.00	1.50	-	Spongy black pseudo-fibrous PEAT. Moderately low to moderate strongly decomposed, moderate fine fibrous peat with no coarse fibres, some amorphous material and low wood content, plastic limit test possible, slight odour	H5/H6, B1, F2, R1, W1, T0, A1, P1	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-
PC33	277372	801398	0.00	0.50	-	Spongy black pseudo-fibrous PEAT. Moderately decomposed, moderate fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test possible, slight odour, no tensile strength	H5/H6, B1, F2, R1, W0, T0, A1, P1	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-
PC35	280704	803310	0.00	0.10	-	Brown silty fine to medium SAND with occasional rootlets. No peat	-	-
PC37	269000	794242	0.00	0.35	-	Spongy black pseudo-fibrous PEAT. Moderately to moderate strongly decomposed, moderate fine fibrous peat with no coarse fibres and some amorphous material, plastic limit test possible, slight odour, no tensile strength	H5/H6, B1, F2, R1, W0, T0, A1, P1	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-
PC50	270376	796909	0.00	0.05	-	Firm black slightly peaty sandy CLAY (limited penetration)	-	-
PC51	270625	796925	0.00	0.50	-	Spongy dark brown pseudo-fibrous PEAT. Moderately decomposed moderate fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test not possible, slight odour, no tensile strength	H5, B3, F2, R1, W0, T0, A0, P0	-
-	-	-	0.50	1.00	-	Spongy dark brown pseudo-fibrous PEAT. Moderately decomposed moderate fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test not possible, slight odour, no tensile strength	H5, B3, F2, R1, W0, T0, A0, P0	-
-	-	-	1.00	1.06	-	Spongy dark brown pseudo-fibrous PEAT. Moderately decomposed moderate fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test not possible, slight odour, no tensile strength	H5, B3, F2, R1, W0, T0, A0, P0	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-
PC52	270675	797100	0.00	0.10	-	Soft dark brown gravelly slightly peaty slightly clayey fine to coarse SAND. Gravel is sub angular to sub rounded fine to coarse of pelite and psammite.	-	-
PC54	270800	797150	0.00	0.15	-	Spongy dark brown pseudo-fibrous PEAT. Slightly decomposed moderate fine fibrous peat with low coarse fibres and moderate amorphous material, plastic limit test not possible, no odour, no tensile strength	H5, B2, F2, R1, W0, T0, A0, P0	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-
PC107	276775	801087	0.00	0.20	-	Soft black slightly sandy peaty SILT with moderate fines	-	-
PC113	277519	801759	0.00	0.20	-	Plastic black silty pseudo-fibrous moderately strongly decomposed PEAT, low fine fibres peat no coarse and some amorphous material no odour plastic limit test possible no tensile strength	H6, B1, F1, R0, W0, A0, P1, T0	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-
PC138	269450	796353	0.00	0.15	-	Spongy dark brown pseudo-fibrous PEAT. Moderately decomposed low fibres peat with no coarse fibres and moderate amorphous material plastic limit test possible no odour and no tensile strength	H5, B1, F1, R0, W0, T0, A0, P1,	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-
PC143	269438	794270	0.00	0.30	-	Spongy brown fibrous PEAT. Very slightly decomposed moderate fine fibrous peat with no coarse fibres and some amorphous material	H3, B2, F3, R0, W0, T0, A0, P0	-
-	-	-	0.30	0.40	-	Plastic black pseudo-fibrous PEAT with occasional rootlets moderately decomposed low fine fibres no coarse fibres and high amorphous material content, no odour plastic limit test not possible.	H5, B1, F1, R0, W0, T1, A0, P0	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-
PC144	269435	794287	0.00	0.20	-	Spongy brown fibrous PEAT. Very slightly decomposed moderate fine fibrous peat with no coarse fibres and some amorphous material	H3, B1, F2, R0, W0, T0, A0, P0	-
-	-	-	0.20	0.50	-	Plastic black pseudo-fibrous PEAT with occasional rootlets. Moderately decomposed moderate fine fibres peat no coarse fibres and high amorphous material content, no odour plastic limit test not possible	H5, B1, F1, R0, W0, T1, A0, P0	-

Location ID	Easting	Northing	Depth to Top (m)	Depth to Bottom (m)	Acrotelm (m)	Basic Peat/ Soil Description	Von Post Classification	Groundwater Level (m)
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-
PC145	269437	794317	0.00	0.20	-	Spongy brown fibrous PEAT. Very slightly decomposed moderate fine fibrous peat with no coarse fibres and some amorphous material	H3, B2, F3, R0, W0, T0, A0, P0	-
-	-	-	0.20	0.70	-	Plastic dark brown pseudo-fibrous PEAT with occasional rootlets moderately decomposed low fine fibres no coarse fibres and high amorphous material content, no odour plastic limit test not possible.	H5, B1, F1, R0, W0, T1, A0, P0	-
-	-	-	0.70	1.20	-	Plastic dark brown pseudo-fibrous PEAT with occasional rootlets moderately decomposed low fine fibres no coarse fibres and high amorphous material content, no odour plastic limit test not possible.	H5, B1, F1, R0, W0, T1, A0, P0	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-
PC146	269618	795438	0.00	0.50	-	Spongy dark brown pseudo-fibrous PEAT. Slightly decomposed moderate fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test possible, slight odour low tensile strength	H3, B1, F2, R1, W0, T1, A1, P0	-
-	-	-	0.50	1.00	-	Spongy brown pseudo-fibrous PEAT. Very slightly decomposed moderate fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test possible, slight odour low tensile strength	H3, B1, F2, R1, W0, T1, A1, P0	-
-	-	-	1.00	1.50	-	Spongy brown pseudo-fibrous PEAT. Very slightly decomposed moderate fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test possible, slight odour low tensile strength	H3, B1, F2, R1, W0, T1, A1, P0	-
-	-	-	1.50	2.00	-	Plastic dark brown amorphous PEAT. Moderately strongly decomposed, moderate fine fibres peat with low coarse fibres and low decayed wood content, plastic limit test possible, slight odour, low tensile strength .	H6, B1, F2, R1, W1, T1, A1	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-
PCBH114	270814	797143	0.00	0.50	-	Spongy brown pseudo-fibrous PEAT. Slightly decomposed moderate fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test possible, slight odour, low tensile strength	H3/H4, B1, F2, R1, W0, T1, A1, P0	-
-	-	-	0.50	1.00	-	Spongy dark brown slightly sandy pseudo-fibrous PEAT. Moderately decomposed moderate fine fibrous peat with no coarse fibres and moderate amorphous material, plastic limit test possible, slight odour low tensile strength	H5, B1, F1, R0, W0, T1, A1, P0	-
-	-	-	1.00	1.50	-	Spongy dark brown slightly sandy pseudo-fibrous PEAT. Moderately decomposed moderate fine fibrous peat with no coarse fibres and moderate amorphous material, plastic limit test possible, slight odour low tensile strength	H5, B1, F1, R0, W0, T1, A1, P0	-
-	-	-	1.50	1.75	-	Plastic dark brown pseudo fibrous PEAT. Moderately strongly decomposed, low fine fibres peat no coarse fibres and low decaying wood content, plastic limit test possible, low tensile strength slight odour.	H6, B1, F1, R0, W1, T1, A1	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-
PCBH140	274276	798769	0.00	0.10	-	Spongy brown pseudo-fibrous PEAT. Slightly decomposed moderate fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test not possible, no odour, low tensile strength	H4, B1, F2, R0, W0, T1, A0, P0	-
-	-	-	0.10	0.50	-	Soft grey with orange brown staining slightly sandy slightly peaty organic CLAY / SILT with moderate fine fibrous material.	-	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-
PCBH170	277560	801764	0.00	0.50	0.55 - 0.60m	Spongy dark brown pseudo-fibrous PEAT. Moderately decomposed moderate fine fibrous peat with no coarse fibres and moderate amorphous material, plastic limit test possible, slight odour low tensile strength	H5, B1, F2, R0, W0, T1, A1, P0	-
-	-	-	0.50	0.60	-	Spongy dark brown pseudo-fibrous PEAT. Moderately decomposed moderate fine fibrous peat with no coarse fibres and moderate amorphous material, plastic limit test possible, slight odour low tensile strength	H5, B1, F2, R0, W0, T1, A1, P0	-
-	-	-	-	-	-	<b>Substrate:</b> Not confirmed	-	-

<b>Equipment</b>	Mackintosh prospecting probe kit with 1.00m extension rods, Van Walt Russian Corer with 1.00m extension rods
<b>GPS Equipment (Accuracy)</b>	Garmin eTrex 12-channel GPS (+/- 3.00 to 7.00 m)
<b>Staff/ Contractor</b>	BAM Ritchies (on behalf of CH2M Fairhurst Joint Venture and Transport Scotland)

Table 4: Preliminary Ground Investigation (BAM Ritchies, November 2017 to January 2018) (Boreholes and Trial Pits)

Location ID	Easting	Northing	Depth to Top (m)	Depth to Bottom (m)	Thickness (m)	Basic Peat/ Peaty Soil Description	Von Post Classification	Groundwater Level (m)
BH9-3-100	269181.53	795034.15	0.00	2.50	2.50	Dark brown slightly silty clayey slightly gravelly very sandy PEAT	H5, B1, F1, R0, W0, T1, A0, P0	3.70
BH9-3-101	269250.53	795318.78	0.00	0.50	0.50	Dark brown and black slightly gravelly sandy peaty TOPSOIL	-	DRY
BH9-3-104	269435.89	796332.88	0.00	0.60	0.60	Dark brown sandy pseudo-fibrous PEAT with abundant plant remains and rootlets	H6, B4, F2, R1, W0, T1, A0, P0	4.10
BH9-3-104A	269432.28	796343.89	0.00	0.40	0.40	Soft brown PEAT	-	DRY
BH9-3-107	269151.76	794886.72	0.00	0.60	0.60	Dark brown and black gravelly sandy silty pseudo-fibrous PEAT	H5, B2, F2, R1, W0, T1, A1, P0	5.30
BH9-3-109	270194.44	796893.70	0.00	0.40	-	PEAT	-	0.50
BH9-3-109	270194.44	796893.70	0.40	1.20	1.20	Dark brown very sandy peaty GRAVEL	-	0.50
BH9-3-110	270379.83	796975.59	0.00	0.50	0.50	Heather over brown PEAT	-	DRY
BH9-3-111	270499.66	797019.04	0.00	0.30	0.30	Soft brown PEAT	-	DRY
BH9-3-113	270672.07	797132.47	0.00	1.00	1.00	Black slightly sandy spongy PEAT	H4, B1, F1, R1, W0, T1, A0, P0	DRY
BH9-3-114	270814.16	797143.27	0.00	1.20	-	Black slightly sandy spongy fibrous PEAT with frequent rootlets	H5, B2, F2, R2, W0, T1, A0, P0	DRY
BH9-3-114	270814.16	797143.27	1.20	3.00	3.00	Brown spongy fibrous PEAT with frequent rootlets	H5, B2, F2, R2, W0, T1, A0, P0	0.00
BH9-3-115	270779.63	797284.44	0.00	0.20	0.20	Heather over brown PEAT	-	DRY
BH9-3-116	270818.14	797214.41	0.00	0.80	0.80	Very soft dark brown PEAT with rootlets	H8, B2, F1, R0, W0, T0, A0, P0	DRY
BH9-3-117	270797.53	797205.56	0.00	0.70	0.70	Black spongy fibrous PEAT with frequent rootlets	H5, B1, F2, R1, W0, T0, A0, P0	4.50
BH9-3-119	270902.17	797259.59	0.00	0.80	0.80	Dark brown gravelly slightly sandy spongy PEAT with frequent rootlets and vegetation	H5, B2, F2, R0, W0, T0, A1, P0	4.60
BH9-3-120	278535.77	801983.38	1.50	2.50	1.00	Dark brown and black slightly gravelly sandy slightly silty PEAT	H9, B2, F1, R0, W0, T0, A0, P1	DRY
BH9-3-120A	278535.77	801983.38	0.10	1.50	1.40	Soft dark brown peaty SAND with gravel	-	DRY
BH9-3-120A	278535.77	801983.38	1.50	2.50	1.00	Soft brown PEAT	-	DRY
BH9-3-121	271084.10	797321.95	0.00	0.20	0.20	Heather over brown PEAT	-	DRY
BH9-3-122	271183.58	797368.86	0.00	0.20	0.20	Heather over brown PEAT	-	DRY
BH9-3-122A	271185.10	797368.11	0.00	0.20	0.20	PEAT	-	2.30
BH9-3-123	271324.48	797429.58	0.00	0.20	-	Heather over brown PEAT	-	2.20
BH9-3-123	271324.48	797429.58	0.20	0.50	0.50	Dark brown slightly gravelly slightly sandy pseudo-fibrous PEAT	H6, B1, F1, R0, W0, T0, A0, P0	0.44
BH9-3-124	271398.44	797442.81	0.00	0.10	0.10	PEAT	-	DRY
BH9-3-125	271553.88	797517.73	0.00	0.20	0.20	Heather over brown PEAT	-	DRY
BH9-3-128	271798.47	797627.62	0.00	0.10	0.10	Heather over brown PEAT	-	2.10
BH9-3-136	272877.30	798286.09	0.30	1.20	0.90	Dark brown very sandy GRAVEL with cobbles present. Driller records becoming peaty.	-	DRY
BH9-3-140	274276.17	798769.85	0.00	1.80	1.80	Very soft dark brown slightly gravelly sandy spongy fibrous PEAT	H5, B1, F2, R1, W0, T0, A0, P0	1.70
BH9-3-141	274375.54	798820.98	1.20	1.40	0.20	Dark brown slightly sandy slightly silty spongy and fibrous PEAT	H7, B1, F2, R0, W0, T0, A0, P0	2.00
BH9-3-162	276697.24	801012.88	0.00	0.60	0.60	Turf over very dark brown slightly gravelly slightly sandy slightly silty PEAT with cobbles	H7, B2	DRY
BH9-3-162A	276695.61	801016.52	0.00	0.52	0.52	Dark brown slightly sandy spongy PEAT with frequent rootlets	H5, B1, F1, R0, W0, T0, A0, P0	DRY
BH9-3-170	277560.53	801764.91	0.00	3.50	3.50	Very soft black slightly gravelly slightly sandy PEAT with occasional rootlets	H5, B1, F1, R0, W0, T0, A0, P0	3.50
BH9-3-191	276395.05	800301.39	0.00	0.20	0.20	POSSIBLE MADE GROUND: Dark brown gravelly slightly sandy spongy fibrous PEAT with abundant rootlets and cobbles	H4, B1, F2, R0, W0, T0, A0, P0	1.20
BH9-3-195	276422.42	800384.14	7.96	8.50	0.54	Soft brown slightly gravelly sandy SILT with occasional PEAT	-	DRY
BH9-3-195	276422.42	800384.14	11.45	11.50	0.05	Black fibrous PEAT	-	DRY
BH9-3-197	276438.32	800423.17	11.45	11.50	0.05	11.45 to 11.50m: black fibrous PEAT bed	-	DRY
BH9-3-198	276483.29	800484.71	2.70	3.00	0.30	Black slightly sandy fibrous PEAT	H3, B3, F2, R0, W0, T0, A1, P0	DRY
BH9-3-207	276033.51	799761.78	1.20	4.50	3.30	Dark grey gravelly sandy silty pseudofibrous PEAT with occasional rootlets	H4, B2, F1, R0, W0, T0, A0, P1	DRY
DL-BH01	275623.55	799954.28	3.00	4.00	1.00	Dark brown slightly gravelly sandy slightly silty PEAT	B1, H6	DRY
BH9-3V-011	270796.45	797290.05	0.00	0.50	0.50	Heather over brown PEAT	-	DRY
HP9-3-167	277284.77	801761.61	0.00	1.00	-	Spongy dark brown slightly sandy slightly gravelly pseudo-fibrous PEAT with vegetation of rootlets and leaves	H6, B1, F1, R1, W0, T1, A1, P0	DRY
HP9-3-167	277284.77	801761.61	1.00	1.20	1.20	Light brown mottled dark brown slightly silty sandy pseudo-fibrous PEAT. Reworked	H5, B2, F1, R1, W0, T1, A1, P0	DRY
TP9-3-100	269133.72	794774.33	0.00	0.30	0.30	Dark brown to black gravelly sandy silty slightly clayey peaty TOPSOIL with numerous fine to medium rootlets	-	DRY

Location ID	Easting	Northing	Depth to Top (m)	Depth to Bottom (m)	Thickness (m)	Basic Peat/ Peaty Soil Description	Von Post Classification	Groundwater Level (m)
TP9-3-101	269200.37	795090.69	0.00	0.30	0.30	Dark brown gravelly peaty sandy TOPSOIL with numerous fine to medium rootlets supporting heather and moss vegetation	-	1.40
TP9-3-102	269227.33	795212.73	0.00	0.10	-	Dark brown peaty TOPSOIL	-	DRY
TP9-3-102	269227.33	795212.73	0.10	1.10	1.10	Dark brown to black silty slightly sandy amorphous PEAT with many rootlets with occasional grey fine to coarse sand lenses	H8, B5, F0, R0, W0, T0, A1, P1	DRY
TP9-3-111	269906.72	796640.69	0.30	0.50	0.20	Black amorphous plastic slightly sandy clayey silty PEAT	H9, B2, F0, R0, W0, T0, A1, P1	DRY
TP9-3-112	269926.69	796695.45	0.40	0.60	0.20	Dark brown and black amorphous non-plastic sandy silty PEAT	H10, B2, F0, R0, W0, T0, A0, P0	DRY
TP9-3-115	270059.33	796822.81	0.10	1.40	1.30	Light brown very gravelly silty fine to coarse sand with pockets of PEAT and pieces of cut timber	-	1.70
TP9-3-115	270059.33	796822.81	1.40	1.70	0.30	Black pseudo fibrous non-plastic sandy silty PEAT with occasional fine rootlets	H8, B2, F1, R0, W0, T0, A0, P0	1.70
TP9-3-117	270332.16	796949.05	0.20	0.30	0.10	Firm black pseudo-fibrous to amorphous PEAT with numerous rootlets	H6, B1, F2, R0, W0, T0, A0, P0	3.00
TP9-3-120	270537.57	797057.00	0.00	0.60	0.60	Firm brown to black pseudo-fibrous to amorphous PEAT	H4, B2, F1, R0, W0, T0, A0, P0	DRY
TP9-3-121	270794.93	797162.90	0.00	0.50	0.50	Soft to firm fibrous to pseudo-fibrous PEAT	H2, B3, F2, R1, W0, T0, A0, P0	3.30
TP9-3-122	270995.20	797303.29	0.00	0.20	0.20	Soft dark brown and black pseudo-fibrous PEAT	H3, B2, F1, R0, W0, T0, A0, P0	DRY
TP9-3-124	271257.08	797402.32	0.00	0.50	0.50	Brown and black slightly gravelly sandy peaty TOPSOIL with numerous plant roots and rootlets	-	DRY
TP9-3-177	269101.79	794662.92	1.00	1.50	0.50	Dark brown to black, gravelly silty clayey PEAT with numerous fine to coarse rootlets and decomposed wood fragments	H3, B2, F2, R1, W1, T0, A1, P0	2.40
TP9-3-179	269208.55	795191.99	0.00	0.05	0.05	Dark brown silty sandy peaty TOPSOIL with numerous root fragments supporting heather and moss vegetation	-	3.00
TP9-3-186	269212.98	795594.56	0.00	0.15	0.15	Dark brown locally black peaty gravelly sandy TOPSOIL with roots and rootlets	-	DRY
TP9-3-187	269240.43	795690.56	0.00	0.25	0.25	Dark brown locally black peaty gravelly sandy TOPSOIL with roots and rootlets	-	DRY
TP9-3-206A	274711.81	798923.57	0.00	0.20	0.20	Dark brown pseudo-fibrous dark brown PEAT	H6, B4, F1, R0, W0, T0, A0, P0	DRY
TP9-3-215	277441.47	801822.28	0.00	0.30	0.30	Dark blackish brown slightly plastic pseudo-fibrous PEAT with thin rootlets and strong organic odour	H3, B3, F1, R0, W0, T0, A3, P1	2.50
TP9-3-226	274303.88	798868.81	1.40	2.05	0.65	Dark brown fibrous non-plastic slightly sandy silty PEAT. Abundant plant fragments, roots and woody stems	H5, B2, F2, R1, W1, T0, A1, P0	3.10
TP9-3-228	272213.77	797909.67	0.00	0.30	0.30	Plastic black sandy clayey amorphous PEAT with fine to medium roots	H9, B3, F1, R1, W0, T0, A0, P0	DRY

<b>Equipment</b>	Variable (Hand Tools, Cable Percussion/ Rotary Drilling Rigs and Tracked Excavator)
<b>GPS Equipment (Accuracy)</b>	Garmin eTrex 12-channel GPS (+/- 3.00 to 7.00 m)
<b>Staff/ Contractor</b>	BAM Ritchies (on behalf of CH2M Fairhurst Joint Venture and Transport Scotland)



Table 5: Laboratory Testing (BAM Ritchies, November 2017 to January 2018) (Peat Cores)

Location ID	Easting	Northing	Broad Habitat Type	Vegetation based on NVC Surveys (MacArthur Green, 2015)	Basic Peat/ Peaty Soil Description	Sample Depth (m)		pH (Units)	Loss on Ignition (%)	Total Organic Carbon (%)	Total Carbon (%)	Bulk Density (Mg/m <sup>3</sup> )	Dry Density (Mg/m <sup>3</sup> )	Moisture Content (%)
						From	To							
PC04	269309	794791	Mire/wet heath mosaic	M25a/M15b	Plastic dark brown pseudo-fibrous to amorphous PEAT. Moderate strongly decomposed low fine fibrous peat with no coarse fibres and high amorphous material, plastic limit test possible, slight odour, low tensile strength	0.00	0.45	4.20	84.00	15.00	17.00	0.29	0.04	657.00
PC06	269800	796232	Wet Heath	M15b	Spongy dark brown pseudo fibrous PEAT. Moderately decomposed moderate fine fibrous peat with no coarse fibres and high amorphous material, plastic limit test possible, slight smell low tensile strength	0.00	0.40	3.60	95.00	18.00	20.00	0.24	0.03	640.00
PC08	270692	796642	Mires	M6a	Spongy dark brown pseudo-fibrous PEAT. Moderately decomposed moderate fine fibrous peat with no coarse fibres and moderate amorphous material, plastic limit test not possible, no odour, no tensile strength	0.00	0.35	4.10	-	42.00	42.00	-	-	462.00
PC10	270350	796753	Mires	M6a	Spongy dark brown pseudo-fibrous PEAT. Slightly decomposed low fine fibrous peat with no coarse fibres and moderate amorphous material, plastic limit test not possible, no odour, no tensile strength	0.00	0.30	4.00	-	44.00	46.00	-	-	1443.00
PC11	271050	797000	Dry Heath	H12a/SWS	Spongy dark brown pseudo-fibrous PEAT. Moderately strongly decomposed high fine fibrous peat with no coarse fibres and moderate amorphous material, plastic limit test not possible, no odour, no tensile strength	0.00	0.35	3.60	97.00	26.00	29.00	0.24	0.02	975.00
PC23	277443	801814	Calcifugous grasslands	U20a/U4b	Soft black slightly sandy peaty SILT with moderate fines	0.00	0.20	4.90	19.00	8.10	6.80	-	-	174.00
PC37	269000	794242	-	-	Spongy black pseudo-fibrous PEAT. Moderately to moderate strongly decomposed, moderate fine fibrous peat with no coarse fibres and some amorphous material, plastic limit test possible, slight odour, no tensile strength	0.00	0.35	4.70	64.00	29.00	36.00	0.22	0.05	340.00
PC54	270800	797150	Mires	M25a/M15b	Spongy dark brown pseudo-fibrous PEAT. Slightly decomposed moderate fine fibrous peat with low coarse fibres and moderate amorphous material, plastic limit test not possible, no odour, no tensile strength	0.00	0.15	4.50	60.00	24.00	24.00	0.07	0.02	290.00
PC107	276775	801087	Woodlands and scrub	W7a	Soft black slightly sandy peaty SILT with moderate fines	0.00	0.20	5.90	45.00	10.00	12.00	-	-	498.00
PC113	277519	801759	Woodlands and scrub	W11d	Plastic black silty pseudo-fibrous moderately strongly decomposed PEAT, low fine fibres peat no coarse and some amorphous material no odour plastic limit test possible no tensile strength	0.00	0.20	4.60	50.00	18.00	18.00	-	-	102.00
PCBH140	274276	798769	Mires	M23a/M6d/U4a/M6a	Spongy brown pseudo-fibrous PEAT. Slightly decomposed moderate fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test not possible, no odour, low tensile strength/ Soft grey with orange brown staining slightly sandy slightly peaty organic CLAY / SILT with fine fibrous material.	0.00	0.50	5.30	-	5.50	8.60	-	-	98.00
PC02	269284	794206	-	-	Spongy brown pseudo-fibrous PEAT. Slightly decomposed, moderate fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test not possible, no odour, low tensile strength	0.00	0.50	3.50	-	23.00	22.00	-	-	514.00
PC07	270298	796610	Mires	M17b	Spongy dark brown pseudo-fibrous PEAT. Slightly decomposed moderate fine fibrous peat with no coarse fibres and moderate amorphous material, plastic limit test not possible, no odour, no tensile strength	0.00	0.50	3.90	74.00	14.00	15.00	0.42	0.04	878.00
PC13	273040	798441	Mires	M6d/M23b/M3	Spongy dark brown pseudo-fibrous silty PEAT. Moderately decomposed, moderate fine fibrous peat with no coarse fibres and some amorphous material, plastic limit test possible, slight odour, no tensile strength	0.00	0.50	5.30	15.00	5.40	4.90	0.36	-	384.00
PC33	277372	801398	Swamp/mire mosaic	M25a/S9a/M6c	Spongy black pseudo-fibrous PEAT. Moderately decomposed, moderate fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test possible, slight odour, no tensile strength	0.00	0.50	4.40	50.00	24.00	27.00	0.37	-	539.00
PC51	270625	796925	Wet Heath	M15b	Spongy dark brown pseudo-fibrous PEAT. Moderately decomposed moderate fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test not possible, slight odour, no tensile strength	0.00	0.50	4.10	93.00	41.00	41.00	0.47	0.03	1423.00
PC51	-	-	Wet Heath	M15b	Spongy dark brown pseudo-fibrous PEAT. Moderately decomposed moderate fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test not possible, slight odour, no tensile strength	0.50	1.00	4.10	94.00	35.00	37.00	0.49	0.08	550.00
PC144	269435	794287	-	-	Spongy brown fibrous PEAT. Very slightly decomposed moderate fine fibrous peat with no coarse fibres and some amorphous material/ Plastic black pseudo-fibrous PEAT with occasional rootlets. Moderately decomposed moderate fine fibres peat no coarse fibres and high amorphous material content, no odour plastic limit test not possible	0.00	0.50	4.00	94.00	43.00	43.00	0.42	0.06	566.00
PCBH170	277560	801764	Woodlands and scrub	W11d	Spongy dark brown pseudo-fibrous PEAT. Moderately decomposed moderate fine fibrous peat with no coarse fibres and moderate amorphous material, plastic limit test possible, slight odour low tensile strength	0.00	0.40	4.00	44.00	36.00	51.00	0.33	0.09	272.00
PCBH170	-	-	Woodlands and scrub	W11d	Spongy dark brown pseudo-fibrous PEAT. Moderately decomposed moderate fine fibrous peat with no coarse fibres and moderate amorphous material, plastic limit test possible, slight odour low tensile strength	0.40	0.60	5.10	-	26.00	33.00	-	-	493.00

Location ID	Easting	Northing	Broad Habitat Type	Vegetation based on NVC Surveys (MacArthur Green, 2015)	Basic Peat/ Peaty Soil Description	Sample Depth (m)		pH (Units)	Loss on Ignition (%)	Total Organic Carbon (%)	Total Carbon (%)	Bulk Density (Mg/m <sup>3</sup> )	Dry Density (Mg/m <sup>3</sup> )	Moisture Content (%)
						From	To							
PC03	269123	794517	Mire/wet heath mosaic	M15b/M19a	Spongy brown fibrous slightly decomposed PEAT with abundant fine rootlets no coarse rootlets, no wood, no odour, no plastic limit test possible	0.00	0.50	5.10	30.00	11.00	15.00	0.26	0.04	487.00
PC03	-	-	Mire/wet heath mosaic	M15b/M19a	Spongy black pseudo-fibrous PEAT. Moderately to moderate strongly decomposed, moderate fine fibrous peat with no coarse fibres and some amorphous material, plastic limit test possible, slight odour, no tensile strength	0.50	1.00	5.20	68.00	20.00	19.00	0.41	0.10	320.00
PC03	-	-	Mire/wet heath mosaic	M15b/M19a	Spongy black pseudo-fibrous PEAT. Moderately to moderate strongly decomposed, moderate fine fibrous peat with no coarse fibres and some amorphous material, low wood material, plastic limit test possible, slight odour	1.00	1.30	5.10	80.00	31.00	27.00	-	-	606.00
PC30	270325	796827	Mires	M6a	Spongy brown pseudo-fibrous PEAT. Slightly decomposed moderate fine fibrous peat with no coarse fibres and some amorphous material, plastic limit test not possible, no odour, low tensile strength	0.00	0.50	4.60	81.00	24.00	26.00	0.29	0.03	960.00
PC30	-	-	Mires	M6a	Spongy dark brown pseudo-fibrous PEAT. Moderately decomposed moderate fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test not possible, slight odour, no tensile strength	0.50	1.00	4.30	88.00	55.00	54.00	0.45	0.05	749.00
PC30	-	-	Mires	M6a	Spongy dark brown pseudo-fibrous PEAT. Moderately decomposed moderate fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test not possible, slight odour, no tensile strength	1.00	1.45	4.70	78.00	36.00	38.00	0.45	0.04	1154.00
PC31	273014	798466	Mires	M6d/M23b/M3	Spongy brown pseudo-fibrous PEAT. Slightly decomposed high fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test not possible, no odour, low tensile strength	0.00	0.50	4.50	-	43.00	47.00	0.17	-	1372.00
PC31	-	-	Mires	M6d/M23b/M3	Spongy brown pseudo-fibrous PEAT. Slightly decomposed high fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test not possible, no odour, low tensile strength	0.50	1.00	3.70	88.00	31.00	33.00	0.40	-	783.00
PC31	-	-	Mires	M6d/M23b/M3	Spongy brown pseudo-fibrous PEAT. Moderately decomposed high fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test not possible, no odour, low tensile strength	1.00	1.50	4.70	-	39.00	43.00	0.58	-	1139.00
PC31	-	-	Mires	M6d/M23b/M3	Plastic black amorphous to pseudo-fibrous PEAT. Moderately strongly decomposed, with moderate fine fibres, low coarse fibres and some wood relics.	1.50	2.00	5.50	67.00	25.00	26.00	0.41	-	756.00
PC32	277700	801550	Swamp/mire mosaic	S9a/M25a/M25c/M6a	Spongy black pseudo-fibrous PEAT. Moderately low to moderate strongly decomposed, moderate fine fibrous peat with no coarse fibres and some amorphous material, plastic limit test possible, slight odour, no tensile strength	0.00	0.50	4.60	81.00	46.00	47.00	0.21	-	424.00
PC32	-	-	Swamp/mire mosaic	S9a/M25a/M25c/M6a	Spongy black pseudo-fibrous PEAT. Moderately low to moderate strongly decomposed, moderate fine fibrous peat with no coarse fibres and some amorphous material, plastic limit test possible, slight odour, no tensile strength	0.50	1.00	4.40	87.00	47.00	50.00	0.42	-	521.00
PC32	-	-	Swamp/mire mosaic	S9a/M25a/M25c/M6a	Spongy black pseudo-fibrous PEAT. Moderately low to moderate strongly decomposed, moderate fine fibrous peat with no coarse fibres, some amorphous material and low wood content, plastic limit test possible, slight odour	1.00	1.50	4.00	93.00	50.00	48.00	0.51	-	708.00
PC145	269437	794317	-	-	Spongy brown fibrous PEAT. Very slightly decomposed moderate fine fibrous peat with no coarse fibres and some amorphous material	0.00	0.50	4.10	100.00	33.00	39.00	0.45	0.06	675.00
PC145	-	-	-	-	Plastic dark brown pseudo-fibrous PEAT with occasional rootlets moderately decomposed low fine fibres no coarse fibres and high amorphous material content, no odour plastic limit test not possible.	0.50	1.00	6.60	99.00	46.00	45.00	0.44	0.06	701.00
PC145	-	-	-	-	Plastic dark brown pseudo-fibrous PEAT with occasional rootlets moderately decomposed low fine fibres no coarse fibres and high amorphous material content, no odour plastic limit test not possible.	1.00	1.20	3.90	97.00	44.00	48.00	0.14	0.02	611.00
PC146	269618	795438	-	-	Spongy dark brown pseudo-fibrous PEAT. Slightly decomposed moderate fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test possible, slight odour low tensile strength	0.00	0.50	3.90	97.00	30.00	25.00	0.43	0.04	894.00
PC146	-	-	-	-	Spongy brown pseudo-fibrous PEAT. Very slightly decomposed moderate fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test possible, slight odour low tensile strength	0.50	1.00	4.00	99.00	31.00	40.00	0.48	0.05	869.00
PC146	-	-	-	-	Spongy brown pseudo-fibrous PEAT. Very slightly decomposed moderate fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test possible, slight odour low tensile strength	1.00	1.50	4.30	97.00	34.00	34.00	0.50	0.06	805.00
PC146	-	-	-	-	Plastic dark brown amorphous PEAT. Moderately strongly decomposed, moderate fine fibres peat with low coarse fibres and low decayed wood content, plastic limit test possible, slight odour, low tensile strength.	1.50	2.00	4.80	92.00	32.00	37.00	0.50	0.06	757.00
PCBH114	270814	797143	Mires	M25a/M15b	Spongy brown pseudo-fibrous PEAT. Slightly decomposed moderate fine fibrous peat with low coarse fibres and some amorphous material, plastic limit test possible, slight odour, low tensile strength	0.00	0.50	5.00	40.00	23.00	31.00	-	-	468.00
PCBH114	-	-	Mires	M25a/M15b	Spongy dark brown slightly sandy pseudo-fibrous PEAT. Moderately decomposed moderate fine fibrous peat with no coarse fibres and moderate amorphous material, plastic limit test possible, slight odour low tensile strength	0.50	1.00	4.20	-	32.00	35.00	0.27	0.04	642.00

Location ID	Easting	Northing	Broad Habitat Type	Vegetation based on NVC Surveys (MacArthur Green, 2015)	Basic Peat/ Peaty Soil Description	Sample Depth (m)		pH (Units)	Loss on Ignition (%)	Total Organic Carbon (%)	Total Carbon (%)	Bulk Density (Mg/m <sup>3</sup> )	Dry Density (Mg/m <sup>3</sup> )	Moisture Content (%)
						From	To							
PCBH114	-	-	Mires	M25a/M15b	Spongey dark brown slightly sandy pseudo-fibrous PEAT. Moderately decomposed moderate fine fibrous peat with no coarse fibres and moderate amorphous material, plastic limit test possible, slight odour low tensile strength	1.00	1.50	4.60	40.00	18.00	20.00	0.44	0.22	98.00
PCBH114	-	-	Mires	M25a/M15b	Plastic dark brown pseudo fibrous PEAT. Moderately strongly decomposed, low fine fibres peat no coarse fibres and low decaying wood content, plastic limit test possible, low tensile strength slight odour.	1.50	1.75	4.50	32.00	19.00	19.00	0.36	0.10	249.00

# Annex 10.1.4

## Peat Depth Model Methodology

### Peat Depth Model Methodology

The peat depth model has been generated using ArcGIS 10.3.1 geographical information system (GIS) software, a widely available, industry standard software package. ArcGIS provide several different methods of interpolating a surface with varying values (in this case peat depths) across an area from real, measured data points.

The method used to create the peat depth model for this project has involved creating a Triangular Irregular Network (TIN) which connects real measured data points via a series of edges to form a network of triangles (ESRI, 2016). The TIN is subsequently converted from a TIN into a 'Raster' (i.e. a grid of cells of equal dimensions based on a specified resolution, such as 1m by 1m) to allow further analysis (RWE, 2013a).

This method has been chosen following detailed analysis at the Carnedd Wen Wind Farm site in Mid-Wales, which showed that, of the various methods available in ArcGIS, the TIN to raster method was preferable due to:

- Its mathematical simplicity
- The reduced likelihood of it reducing the size of, or 'smoothing out' completely, smaller areas of deeper peat
- It being true to the measured dataset from which it is created, in that the value of the peat model surface at a measured data point will always be equivalent to the value at that data point (RWE, 2013a).

Additionally, work at Carnedd Wen found there to be little discernible impact on the model between specified raster resolutions of 5m, 10m and 20m. At Carnedd Wen, a raster resolution of 5m was used so that the peat depth can be more accurately represented where data points are closely spaced, such as at known proposed infrastructure locations.

For the peat model created for the Proposed Scheme, a resolution of 1m has been used. It is acknowledged that such a resolute raster may 'over-represent' the resolution of the survey, i.e. give an impression that more data has been collected than is actually the case. However, by using such a resolution, sudden step changes in peat depth (where none is present in reality) are avoided, calculations of volumes are more straightforward as each raster grid cell represents a 1m<sup>2</sup> area (rather than a 25m<sup>3</sup> area) and inaccuracy in volume calculation caused when the footprint of infrastructure elements overlaps partially with a grid cell.

At the Carnedd Wen site, 'barriers' were introduced to the model to reduce the peat depth to zero where streams were known to be incised to substrate, and where lakes and streams existed. Such barriers have not been employed for the Proposed Scheme here, as this technique was resulting in areas being interpolated as zero peat depth, where this might not be the case. Instead, any such features including watercourses incised to substrate, existing road or tracks where no peat is present, have been 'reduced to zero' from the peat model. Embankments and cutting slopes have deliberately not been 'reduced to zero' peat depth to account for the possibility that dressing of these slopes has been undertaken with peat or peaty soil.

### Peat Depth Model Iterations and Testing

Numerous peat model iterations have been produced as new data has been acquired at various stages of survey. Whilst no specific testing has been undertaken to verify the accuracy of the peat model using 'redundant' points, where new data has been collected in

areas where peat depth has been interpolated the change has usually been marginal and the new data has broadly confirmed rather than contradicted interpolated peat depths. Nonetheless, as new data becomes available, the model should be updated to ensure the highest accuracy possible.