LOBO Ecology

Ecological Survey

The Mar
Arkendale

August 2017

Every effort is undertaken to ensure an accurate assessment of the likely presence of protected species during any survey undertaken by Lobo Ecology. However due to the mobile and secretive nature of many species the absence of identified presence cannot be considered as a guarantee that protected species are absent at all times.

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EXECUTIVE SUMMARY

This report is produced on behalf of Arkendale, Coneythorpe and Clareton Parish Council.

In 2016 Bernadette Lobo of Lobo Ecology was asked to carry out a preliminary ecological scoping survey at The Mar, Arkendale, North Yorkshire. The aim of the survey was to identify existing flora, fauna, habitats and opportunities for enhancement.

The Mar is described as a historical pond within the village of Arkendale that is likely to have historical significance, further it is a significant feature of the village and is of high value for wildlife.

The identified survey area is dominated by The Mar and an excellent example of hyrdosere succession from open water to woodland.

A key wildlife feature of The Mar is the presence of a breeding population of Great Crested Newt.

This report sets out the habitats and wildlife noted and identifies opportunities for enhancement or habitat creation.

1.0 INTRODUCTION

1.1 Background

1.1.1 Arkendale, Coneythorpe and Clareton Parish Council (ACCPC) commissioned Bernadette Lobo of Lobo Ecology to undertake an ecological scoping survey of The Mar in Arkendale.

1.1.2 The ACCPC are seeking funding to explore opportunities for enhancement of The Mar, for the benefit of wildlife and local residents.

1.1.3 In 2016 a plan was provided to Lobo Ecology denoting a boundary line around the area to be surveyed. The survey area included The Mar and immediate surrounding environs, together referred to as 'the site' throughout this report.

1.1.4 In reviewing the literature there appears to be two spellings of The Mar, namely The Mar and The Marr. In this report we have adopted the spelling used most frequently i.e. The Mar. The Mar and 'the pond' are used interchangeable throughout the report.

1.1.5 To identify and inform the opportunities for enhancement at the site, an ecological survey is required. The survey will seek to identify the ecological features i.e. habitats, flora and fauna and to interpret the findings to identify the most appropriate enhancement opportunities.

1.1.6 The output of the survey will be a report summarising the ecology on site, interpretation of the results and outline recommendations for enhancement measures.

1.2 Survey Method

1.2.1 As the survey was commissioned at an early stage it was possible for the ecology survey to be undertaken over autumn, winter, spring and early summer allowing a good range of plant species to be recorded.

1.2.2 Site visits were undertaken on the following dates

16th November 2016
23rd November 2016
2nd March 2017
10th April 2017
9th June 2017
20 June 2017
25th June 2017
26th June 2017
28th June 2017
5th July 2017

1.2.3 An extensive desk study was undertaken and the following organisations contacted:

- North and East Yorkshire Ecological Data Centre
- The North Yorkshire Bat Group
- The Environment Agency
- Dan McAndrew (Harrogate Borough Council)
- Gordon Haycock (Ecologist known to have surveyed The Mar)

1.2.4 An internet search was also undertaken of publically available data bases including National Biodiversity Network (NBN), Google Pro, MAGIC Map, LIDAR and Old Maps Online amongst others.

1.2.5 Old photographs were also taken from The Arkendale Village website.

1.2.6 Each ecological survey involved walking the site (or specific areas of the site) and mapping habitats and notable species. Wider observations of water levels within The Mar were also noted.

2.0 RESULTS

2.1 Desk Study

2.1.1 The site is located to the west of the village of Arkendale at an elevation of approximately 50m AOD at O.S Grid Ref. SE 3839 6108.

2.1.2 The site boundary encompasses a medium sized pond and adjacent habitats described as a hyrdosere, that is, a succession of habitats from open water to woodland and the transitional habitats between the two.

2.1.3 The origin of The Mar is uncertain however an internet search for information about The Mar and old maps online revealed a reference to The Mar (as a pond) in 1772 (http://www.acraew.org.uk/sites/default/files/uploads/North%20Yorkshire/THE%20MAR%20-%20ARKENDALE%20NO.CL.261.pdf).

2.1.4 Within this document The Mar is also referred to as 'waste of the manor of Arkendale'. Terminology such as 'waste' was frequently used to describe 'agriculturally unproductive' land at this time.

2.1.5 A significant feature of the site is topography. The site is positioned within a shallow basin (a natural low point relative to the surrounding area) at an elevation of approximately 50m AOD. The Mar is approximately 10m+ lower than the immediate surrounding area. This may indicate the origins of The Mar as watering hole for livestock, which were often dug or naturally formed at low points within a landscape. Alternatively it is possible The Mar is an entirely natural feature.

2.1.6 Ground levels visibly rise away from The Mar towards the north and east with a much more gentle rise to the south and west.

2.1.7 The wider landscape around The Mar is typical of lowland England dominated by agriculture (arable with less pasture) with scattered small villages and hedgerows. Arkendale is a very old village dating back to the Domesday Book

2.1.8 Google Earth and LIDAR imagery show numerous ridge and furrow fields systems surrounding the village.

2.1.9 Study of old maps online and anecdotal evidence provide historical evidence of how widely fluctuating water levels are within The Mar and have been over the past 20 years, indeed the pond even appears to move position within the basin its sits.

2.1.10 In his 2005 report Martin Hammond states that '*By early August 2005, the pond had dried out entirely'*.

2.1.11 Lobo Ecology surmises that beyond a certain water level, at which point the drawdown zone becomes exposed, there will be a perceived rapid drop with water disappearing quickly as it seeps through sediment and is taken up by marginal and aquatic vegetation in a process called transpiration.

2.1.12 It is apparent that the site has been subject to some, albeit limited management over the years - as evidenced by lack of even tree cover than is already visible and old stumps. There are also reports that silt has been removed from The Mar on at least one occasion.

2.1.13 Surrounding The Mar and hydrologically connected to The Mar, are agricultural fields. Agricultural fields are typically associated with

application of artificial fertilisers to increase soil fertility to allow ongoing production. When these fertilisers runoff they can enter watercourses and waterbodies serving to increase the nutrient status of the water resulting in enrichment and detrimentally altering the water course/waterbody.

2.1.14 However there was no evidence of over enrichment in the form of algae. It is considered however that the pond is a highly productive environment.

2.2 Consultation Responses

2.2.1 Consultation responses were received from the NYBG and NEYEDC and these are attached.

2.2.2 Dan McAndrew, Countryside Officer at Harrogate Borough Council provided details of the previous survey by Martin Hammond and Gordon Haycock informed that all records for Great crested newt had been submitted to NEYEDC.

2.2.3 No responses were received from The Yorkshire Wildlife Trust.

2.2.4 The Environment Agency referred Lobo Ecology to the NEYEDC as all their records are provided to NEYEDC.

2.2.5 Consultation responses are included where relevant in the results section with records attached as appendices

2.2.6 The two previous surveys known to have been undertaken at The Mar are:

- North Yorkshire County Council (2000), Citation Report.
- Martin Hammond (2005), Coleoptera Survey of the Marr, Arkendale.

2.2.7 The Mar is designated as a Site Important for Nature Conservation (SINC) also sometimes referred to as Local Wildlife Site (LWS). The designation recognises the sites importance for biodiversity at a local level.

2.2.8 SINCS are designated by Harrogate Borough Council as assessed against criteria set out by North Yorkshire County Council.

2.2.9 SINCS are ‘material planning considerations’ when the local authority assesses planning applications i.e. the presence of a SINC must be considered as part of the planning process.

2.3 Field Survey Results

2.3.1 Habitats

General

2.3.1.1 The site is dominated by a large pond (The Mar) supporting a wide , shallow drawdown zone, a band comprising a mosaic of marginal wetland vegetation with a wider band of transitional drying, vegetation succeeding to willow scrub and woodland beyond. to the east.

2.3.1.2 The total site area is estimated to be 3.6 acres with The Mar covering between 0.1 (June 2017) and 0.7 acres (winter/high water level). Precise measurements are difficult and these figures are at best, broad estimations not to be used for any official purpose. However the figures do provide and indication of the ponds widely fluctuating water levels and area of drawdown.

2.3.1.3 Outside the site boundary to the west and southeast are a small number of loosely arranged properties, farm buildings and associated gardens while to the north the landscape is typically arable farmland. None of the surrounding properties discharge surface water runoff to The Mar.

2.3.1.4 Broadly, following Phase 1 Habitat survey methodology the site comprises the following habitats.

- Standing water and wet grassland (SW)*
- Willow scrub (WS)
- Tall Ruderal grassland (TG)
- Amenity grassland (AG)
- Hedgerows (HR)

- Secondary woodland (W

2.3.1.5 Each of the above habitats is described below followed by the wildlife noted during the surveys.

Standing Water and Wet Grassland Zone

2.3.1.6 This section describes the total area of the pond including the surrounding habitats directly influenced by the water levels of The Mar including those habitats that may or may not be wetted throughout the year.

2.3.1.7 The Mar is a medium to large sized pond likely to be receiving groundwater (from the water catchment of the pond) along with some contribution from rainwater and surface water runoff from the catchment. Groundwater sources may include a spring under the pond or other unknown source.

2.3.1.8 It is important to note that there is no obvious source of water feeding The Mar in sufficient volumes to explain the water present. However two insignificant point sources of water were noted on site, one to the east and one to the west.

2.3.1.9 The eastern input is set back to the eastern boundary where a plastic pipe issues water in winter and possibly under wetter spring summer conditions. This pipe is likely to drain from either of the fields to the northeast of the site. The large field to the northeast is arable and therefore fertilised; as such the runoff may be nutrient rich.

Photo 1: Showing Location of ‘eastern input/ pipe’, note field gate beyond.

2.3.1.10 This eastern input/seepage area (See Photo 1) appears to be a diffuse source from the ground but more likely to indicate a spring or old broken pipe that is no longer visible and/or runs under the road.

2.3.1.11 The LIDAR ground level plan supplied in the Hydrological Report (WSP, 2017) shows a single line between Pond House Farm and The Mar, possibly indicating a previous drain or similar.

2.3.1.12 In winter 2016 there was a perceivable over ground flow of water towards The Mar from this area.

2.3.1.13 In the past excess water discharged from the pond by a culvert to the south of The Mar. This culvert is no longer operational and now appears blocked and grown over. It is not clear whether the culvert has collapsed or simply naturally in-filled and become vegetated over time. Further investigation would be required to determine the cause of the blockage.

2.3.1.14 The culvert appears to have once discharged to a small stream on the south side of Moor Lane.

2.3.1.15 In the absence of a discharge outlet one may be tempted to think that the area around The Mar would be subject to flooding in winter however this does not appear to be a problem with Mar Head Balk identified as being in the Environment Agency Flood Zone 1 - low probability of flooding.

2.3.1.16 The current profile of The Mar has been visible during the spring/summer survey when water levels dropped, revealing wide shallow sloping banks, grading downwards towards a smaller deeper area of water, to the south of the basin. It is likely that this smaller area of water is 'typically' wetted throughout the year.

2.3.1.17 Historical photographs from January 1977 show the site as being more open in nature with near open views towards the Vicarage. The photographs show winter water levels and compared to today the pond area was significantly larger than at present winter water levels.

2.3.1.18 For the purpose of this survey the vegetation is described as 'wetland vegetation' as there are no noted truly aquatic species growing at The Mar i.e. surviving only in water and dying if out of water.

2.3.1.19 The spring/summer drawdown zone is a significantly large area relative to the size of the pond and this drawdown zone was exposed for all the 2017 surveys. This area will be flooded in autumn/winter indicating that The Mar is a seasonal pond with water levels dictated by rainfall and climate.

See Opportunity SW4 (Opportunities Table pg. 51)

Install a level allowing water levels to be monitored/recorded.

2.3.1.20 The drawdown zone is exposed is spring/summer and if conditions are mild will be exposed in to early autumn. The substrate is composed of thick silts and was not walked upon to any depth but is estimated to be approximately 20cm deep and possibly deeper in some areas i.e. as one moves closer to the smaller area of open water (See Photo 2).

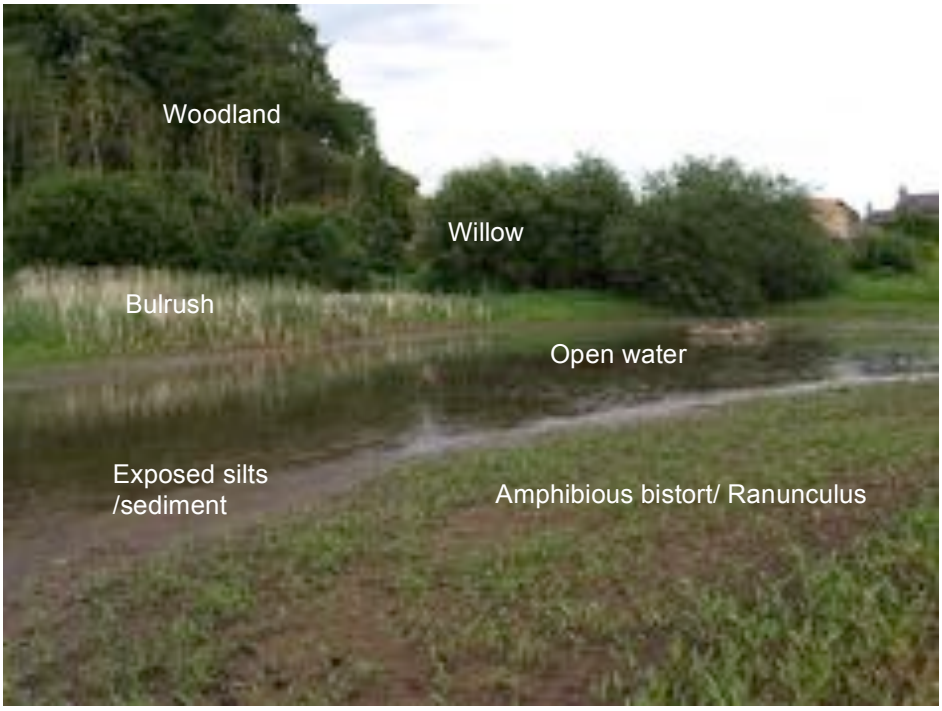


Photo 2: View looking southeast (April 2017). Vegetation zones exposed as water levels drop alongside the different plant communities to the margins and beyond.

2.3.1.21 Following the spring/summer drop in water levels clear zoning is visible around The Mar, each zone characterised by the colours and textures of existing plants or their dead remains and the exposed silts. Even within the exposed silts zoning indicating differing vegetation types is visible.

2.3.1.22 The habitats exposed constitute the drawdown zone. An area that is seasonally exposed and often of high ecological interest and value supporting a suite of plants adapted to this extreme environment.

2.3.1.23 Closest to the water the exposed sediments are largely devoid of plants/algae and the sediment/silt is clearly wet (See Photo 3).

Photo 3: View looking north (April 2017). Vegetation zones exposed as water levels drop alongside the different plant communities to the margins and beyond.

2.3.1.24 Following exposure of the drawdown zone as the season progresses wetland plants such as *Amphibious bistort* alongside *Ranunculus* (subgenus Batrachium) species (likely *R. aquatilis* or *R. peltatus)* become apparent in the first zone around the waters edge; both species tolerant of fluctuating water levels.

2.3.1.25 *Ranunculus* (subgenus Batrachium) are difficult to identify and do hybridise, as such are only identified to genus (subgenus Batrachium).

2.3.1.26 Seedlings of Himalayan balsam can also be found but these do not appear to persist in this zone.

2.3.1.27 Within this wetted and silty zone there is also evidence of a yellow-green alga. An Internet search to identify the species proved inconclusive but the species found to most closely resemble the alga were *Botrydium granulatum* (See Photo 5).

See Opportunity SW1 (See Opportunities table pg 51)

SW1i Share information about the invasive species.

SW1ii Avoid entering water and always clean equipment and footwear afterwards.

SWiii Explore options for management/ eradication.

2.3.1.28 Moving away from the open water, as the silt/sediment becomes slightly drier there is *Slender marsh bedstraw*, *Water and Tufted forget-me-not*, dense stands of *Gypsywort*, *Soft rush, Spike rush (*forming occasional small dominant stands), *Reed canary grass*, *Floating sweet grass*, *Marsh foxtail and stands of Bulrush*.

2.3.1.29 Previous surveys also noted *Water purslane*, *Marsh yellowcress*, *Red goosefoot*, *Golden dock, Celery leaved buttercup* and *Greater burnet saxifrage*. These were not recorded in this survey.

2.3.1.30 Gypsywort is a known coloniser of exposed silts and muds, spreading by rhizomes and indicating the increasingly drier soil conditions (See Photo 4).

Photo 4: View looking northeast (June 2017).

2.3.1.26 Of significant interest is the presence of New Zealand pygmyweed (*Crassula helmsii*) which was found in the drawdown zone of The Mar. The plant is typically thinly scattered but with a single larger area of dense growth on the western edge of The Mar, adjacent to Pond House Farm and broadly inline with the western seepage observed flowing in to The Mar (See Photo 5 and 6).

2.3.1.27 New Zealand pygmyweed is an invasive perennial plant native to Australia and New Zealand. First recorded in England in 1956 this plant is now widespread throughout the lowlands of England thriving in ponds, reservoirs and canals. Under favourable conditions it can become the dominant species outcompeting others, as seen in the dense stand to the western boundary of The Mar.

See Opportunity SW1 (Opportunities Table pg. 51)

SW1i Share information about the invasive species.

SW1ii Avoid entering water and always clean equipment and footwear afterwards.

SWiii Explore options for management/ eradication.

Photo 5: Showing New Zealand Pygmyweed (submerged form) and possible *Botrydium granulatum* (green spheres).

2.3.1.28 New Zealand pygmyweed survives in terrestrial, emergent and submerged forms, adapting as required to fluctuating water levels. The plant was noted in both terrestrial and submerged forms in The Mar and found scattered across all areas of the walked drawdown zone, generally along the western edge.

2.3.1.29 As New Zealand pygmyweed is only dominant in one area this may indicate environmental factors are supressing the plant across The Mar or, that the plant is a recent introduction with the point of origin being the eastern edge of The Mar and only now beginning to spread. New Zealand pygmyweed was not noted in either of the previous two surveys suggesting recent arrival.

Photo 6: Showing Location of ‘western seepage’ and close up of New Zealand pygmyweed.

2.3.1.30 As the wet grassland zone becomes drier there is more scattered Bulrush, dense stands of Soft rush and Himalayan balsam with Slender marsh bedstraw and Hedge bedstraw and in particular to the north of The Mar.

2.3.1.31 The nutrient status of The Mar is included here. For clarity this section is referring to the nutrient levels within the pond water. No detailed specific measurements have been undertaken.

2.3.1.32 The importance of nutrient levels within The Mar cannot be over stressed and hence this is discussed below.

2.3.1.33 The nutrients within pond water come from multiple sources including bedrock, soils, groundwater, vegetation and human inputs. It is the levels of nutrients within the pond that will determine which plants are present and how 'lush and thick' these plants are. Eventually as these plants die and breakdown they to will contribute to the nutrient levels within the pond, plant growth and accumulation of silt/sediment as the vegetation dies back and decomposes.

2.3.1.34 When nutrient levels exceed those being cycled naturally within the pond by plants, good algae and aquatic insects, 'bad' algae often begin to dominate, blocking light, reducing oxygen and diminishing the ponds appeal to wildlife and becoming increasingly stagnant, leading to what is often called 'pea soup' – a pond dominated by green algae, limited plant life and undesirable insect species.

2.3.1.35 Where humans discharge waste/runoff of any description into a pond the nutrient levels can be extremely high unless the waste/runoff is subject to the very highest standards of nutrient removal/stripping/management.

See Opportunity SW2 (Opportunities Table pg. 51)
No runoff from adjacent properties or new development to be diverted in to The Mar

2.3.1.36 The lush vegetation to the pond margins indicate that The Mar is a productive and that nutrient levels are most likely to be naturally increasing in association with increased vegetation and the subsequent increased rates of decomposition and siltation accumulation.

2.3.1.37 In the past, an operational culvert may have allowed a flushing of nutrients from the pond as high autumn/winter water levels discharged and hence vegetation and margins was minimal.

2.3.1.38 However at the present time while the pond is productive it would appear that overall the amount of nutrients entering the pond are being used utilised and cycled, avoiding the pond tipping over into a state of excessive nutrient levels and becoming dominated by algae.

2.3.1.39 The drying of the pond is likely to be contributing to release of nutrients and reducing the impacts of increasing nutrients.

2.3.1.40 In spring 2017 nitrate and phosphate levels were tested in The Mar using a free test kit provided by The Freshwater Habitats Trust. The simple test identified that the water within The Mar was of good, low nutrient status.

2.3.1.41 A possible explanation for this result is that in spring it may be expected that nitrate and phosphate levels are low due to uptake by organisms as they enter the growth cycle. Later in the year nutrient levels are likely to be higher as plants stop utilising nutrients accumulating in the water.

See Opportunity SW3 (Opportunities Table pg. 51)

A study of nutrient status of pond over a 12-month period or as advised by professional.

Tall Ruderal grassland

2.3.1.42 The term 'tall ruderal grassland' is used here to describe grassland that is unmanaged and drier (drying) soils and includes, amongst others, species such as Nettle, Thistle, Bramble, Nightshade, Hogweed (note: not Giant hogweed), Cow parsley, coarser grasses, Bindweed, Bramble thicket and occasional rush (See Photo 8).

2.3.1.43 The boundaries of this habitat are not clearly defined and one habitat merges in to another. Tall ruderal grassland around The Mar is mostly present to the north, south and west with a patchier distribution along the eastern side of The Mar.

2.3.1.44 Tall ruderal grassland is essentially the transition habitat between the wet grassland and the mown amenity grassland/path found to the north and west of the Mar and the willow scrub to the east.

2.3.1.45 Under suitable conditions i.e. absence of management it is expected that scrub and trees will eventually establish in these areas.

2.3.1.46 To the west of The Mar and west of the footpath is a steep bank. To the north of this steep bank is a steeper bank which includes Alchemilla sp., Foxglove, Selfheal, Black medick, Teasel, Verbascum, Tufted vetch, Agrostis sp., Dovesfoot cranesbill and Field-forget me-not.

2.3.1.47 The south-facing aspect of this bank and sparsely vegetated, shingle like ground cover to the base of the bank makes it attractive to invertebrates.

Willow Scrub

2.3.1.48 There are numerous small areas of scattered willow scrub and single willows around The Mar including evidence of low level felling.

2.3.1.49 The willow scrub to the fringes of The Mar appears to be dominated by Salix cinerea (Grey willow). Grey willow does hybridise with other willows and identification can be difficult therefore it is accepted that other species of Salix and hybrids may be present.

2.3.1.50 At the present time there is a fringe of willow along the eastern boundary of The Mar dividing the woodland from the wetland habitats and more scattered willow scrub to the north and south of The Mar.

2.3.1.51 Minor intervention through occasional felling/cutting appears to be preventing the spread of willow along the more accessible western boundary of The Mar. The presence of willow to the edges of the pond indicates that conditions are dry enough for the establishment of willow.

2.3.1.52 A comparison of past Mar photographs to the present day Mar show how the presence of willow is a relatively recent addition to the flora of The Mar.

2.3.1.53 Willow scrub (as seen at The Mar) is a stage in succession from open water through to wetland vegetation, followed by Willow and finally woodland. Willow scrub can however be the end of succession in certain environments/habitats i.e. no further drying of soils allowing succession to woodland.

2.3.1.54 At The Mar each of the successional habitats from open water to woodland can be seen.

2.3.1.55 Willow scrub at The Mar is likely to be impacting upon the hydrology of the site through due to high levels of evapotranspiration, rapid growth/high biomass increasing accumulation of organic matter around the scrub (through leaf fall and decomposition) and the resulting ongoing drying of soils and raising of ground levels. Eventually trees associated with drier ground will establish and displace the willow.

2.3.1.56 The willow scrub is structurally dense with a closed canopy, dominated by willow and typically excluding ground vegetation. Once Willow becomes established it becomes tall and leggy at which point it becomes less valuable to wildlife however will still support associated deadwood flora and fauna and structure.

2.3.1.57 While the ecological benefits of scrub are less known it is generally accepted that it is the edges of scrub, the transition between open habitats and scrub that is of most value.

2.3.1.58 Willow supports numerous invertebrates and this in turn attracts birds.

2.3.1.59 On a small site such as The Mar it would seem prudent not to allow the area of scrub to increase beyond current levels and

consideration may even be given to removal of some scrub closer to The Mar and coppicing scrub to form smaller stands elsewhere.

See Opportunity 8. WS 1 (Opportunities Table pg. 51)
Management of scrub through removal and coppicing on a rotational basis

2.3.1.60 Smaller areas of scrub will increase the edge habitat and this will be of greater value to wildlife than continuous dense bands of scrub.

Secondary Woodland

2.3.1.61 The northeastern corner of the site is characterised by land that gently rises away from The Mar while to the southeast the land rises more sharply.

2.3.1.62 The adjoining field to the northeast is separated from the site by an outgrown hedge i.e. a hedge that has not been managed. Within the boundary is an established area of Cherry (Prunus sp.) with Elder and an understorey of Nettle and in summer Himalayan balsam.

See Opportunity 13.W2 (Opportunities Table pg. 51)
Annual programme of balsam pulling to reduce presence of Himalayan balsam with a longer term aim of eradication from the site.

2.3.1.63 To the steeper land in the southeast the embankment is characterised by mature and semi-mature Beech and Sycamore trees. The trees cast a dense shade and the understorey is sparse.

However Holly, Elder, Hawthorn and Ivy are present along with scattered Bluebells and Red campion where light reaches the ground along with Nettle and Himalayan balsam to the woodland edges where there is more light.

2.3.1.64 Of interest is the presence of many English elm suckers especially to the northeast. Standing dead Elm is present to the northwest corner of the site and clearly English elms were a feature of the site in the distant past (See Photo 7).

Photo 7: Elm suckers growing to the northeast woodland amongst the Elder.

2.3.1.65 Dutch elm disease now prevents any English elm trees from reaching maturity however where trees existed prior to Dutch elm

disease, affected trees have been able to sucker and live to approximately 15 years of age before they succumb to the disease again. Hence they often persist as young trees in the environment they existed in before Dutch elm disease.

2.3.1.66 Generally the band of woodland to the east of the site is structurally dense, casting deep shade with a typically sparse ground flora.

2.3.1.67 Bluebell was however noted. Sensitive thinning of young Elm or Elder to provide a more dappled spring light would benefit the existing ground flora, assuming effective management to remove/reduce Himalayan balsam.

See Opportunity 12.W1 (Opportunities Table pg. 51)
Seek arboricultural advice on opportunities for sensitive and selective felling for the benefit of ground flora.
Ring-barking may be appropriate to encourage standing dead wood. Felled wood to be stacked and retained on-site.

Amenity Grassland

2.3.1.68 For the purposes of describing habitats at The Mar, 'amenity grassland' is tall ruderal grassland that is subject to informal i.e. occasional management that prevents the grassland becoming tall and rank in nature. Amenity grassland in this context occurs wherever mowing is taking place at least once a year.

Photo 8: Mown edge to the West of The Mar with amenity grassland to RHS and tall ruderal grassland to LHS

2.3.1.69 Amenity grassland is noted along the western side of The Mar and the embankment to the northwest. There is ongoing mowing to these areas to a greater or lesser degree.

2.3.1.70 Typically amenity grassland is species poor however this is not the case at The Mar and while this grassland is not species rich with species of interest, it is species rich with typical and common species for the habitat which grow when mowing ceases.

2.3.1.71 Species are as those found in tall ruderal grassland but with more obvious Clover (Trifoliums sp.), a wider range of grasses, Silverweed, Tufted vetch, Common sorrel, False fox sedge, White dead nettle, Creeping buttercup and Hedge woundwort.

2.3.1.72 Small areas of introduced Daffodil and Snowdrop were also noted within the amenity grassland early in the year.

2.3.1.73 Mowing will exclude the coarser grasses, willow saplings and Himalayan balsam.

2.3.1.74 Within the amenity grassland to the west of The Mar is a small copse of Elder scrub with a Nettle, Bramble understorey.

> See Opportunity 9. AG 1 and Appendix 1 Site Plan (Opportunities Table pg. 51)
> Establish a wildflower meadow and implement appropriate management plan.

2.3.1.75 As part of a wider approach to enhancement is suggested rather than recommended, that consideration be given to formalising the existing footpath along the western boundary of The Mar. While this is passable in winter and early spring it becomes impenetrable very quickly in summer.

2.3.1.76 A more formal footpath would be one that is either laid or regularly mown. It is understood that to lay a formal path there is likely to be an associated legal requirement involving the landowner.

> See Opportunity 18 Footpath (Opportunities Table pg. 51)
> Create formal, managed footpath along eastern boundary of The Mar broadly in line with the existing informal path. If required include option for linking footpath to the proposed bird hide.

Hedgerows and Historical Landscape Context

2.3.1.77 The survey of the site included hedgerows to the boundaries and an assessment of the landscape around The Mar with a view to elucidating some of the history of the area.

2.3.1.78 The assessment focused on hedgerows and alongside this the surrounding fields and ridge and furrow field systems.

2.3.1.79 Within the project area there are two hedgerows, while both are discussed below however ownership is unknown (See Site Plan).

2.3.1.80 The first hedgerow, to the north of the site, is an outgrown and defunct hedge dominated by Elder with a rank understorey dominated by Nettles. The hedge is elevated above The Mar levels by approximately 1.5m (See Site Plan).

2.3.1.81 Elder can be a relatively rapid coloniser of gaps in hedgerows and therefore it is safe to assume the species has 'moved in' naturally as other species have died off or been removed. Elder is especially quick to exploit gaps in hedgerows where the soil is rich.

2.3.1.82 To the eastern end of this northern hedgerow is a mature Holly. Along with Elm, Holly was an important fodder crop for livestock in the past as well as being an important boundary marker. It is therefore interesting that this mature Holly is noted to the end of the hedgerow alongside a gate and at the corner of the former parish boundary (See Site Plan and Map 2 pg.35).

2.3.1.83 The second hedgerow forms the northeastern boundary of the site and is similarly outgrown but largely comprising Sycamore with a scattered scrubby understorey of Elder, Elm saplings, Hawthorn, Himalayan balsam and Nettle.

2.3.1.84 The origin of the hedgerows is uncertain but the presence of English elm is indicative of medieval origin, post the open field system.

2.3.1.85 While the hedgerows do provide benefit for wildlife in their current condition in respect of invertebrates, nesting birds and connectivity between habitats, overall the plant diversity could be increased and the current benefit for biodiversity and aesthetic appeal, enhanced.

See Opportunities 10. HR 1 and 11. HR 2 (Opportunities Table pg. 51)

Initiate a management plan for the replanting of hedgerows to achieve the aims set out.

As part of the above management plan include an option for identification of suitable species for planting to hedgerow bottom to enhance species diversity.

2.3.1.86 The historical assessment focused on hedgerows in combination with adjacent fields and ridge and furrow.

2.3.1.87 Historical land use and therefore human history can be discerned to some degree through landscape features, where these have not been completely removed. In particular vegetation can be revealing.

2.3.1.88 The word ‘palimpsest’ or ‘palimpsest landscape’ can be used to describe a landscape of features of different ages, which lay one over the other. These layered features can provide clues to the history of an area and in this case the possible origin of The Mar.

2.3.1.89 Ridge and furrow is a historical landscape feature/ earthwork, formed as a result of medieval farming practice and seen as ridges and troughs in fields across the countryside (where they have not been ploughed out). Much ridge and furrow is visible around the site (See Map 1 below).

Map 1: 1850 Ordnance Survey Map Highlighting Ridge & Furrow (coloured lines) to the north of The Mar.

2.3.1.90 The red looped lines indicate ridge and furrow as observed from LIDAR while other coloured lines indicate field systems. It can be seen that Mar Head Balk runs parallel to the edge of one of these field systems.

2.3.1.91 It is possible that Mar Head Balk was a drove route/ancient track to a source of low-lying water for watering of livestock. The track is clearly well worn relative to the natural contour lines either side of the track. It may further be speculated that the word ‘mar’ may once have been ‘mere’ indicating the presence of water.

2.3.1.92 Observation of the species within the hedgerows to the balk indicate that the eastern hedgerow precedes that to the west. The

western hedgerow likely to have been planted around the time of enclosure.

2.3.1.93 Both English elm and Spindle were recorded in hedgerows to the south of the Balk. Research has shown that these species are strongly associated with medieval hedgerows in Yorkshire

2.3.1.94 Ridge and furrow or rig and furrow as it was known in the north east of England, is often the only evidence remaining of the narrow strips of land (selions) that were farmed in the early medieval period, known as the open field system.

2.3.1.95 The open field system (before the Enclosure Act approx. 1750-1860) was typically unenclosed and livestock able to roam; hence the need for a pinfold.

2.3.2 Pinfolds or pounds were built to impound stray animals under manorial law or custom with fines required to release livestock.

2.3.3 Sheepfolds, often confused with pinfolds, were built and used to manage sheep and provide shelter and were often built in field corners.

Map 2: 1850 Ordnance Survey Map showing township boundary in red, location of Pinfold in yellow and black arrow pointing to location of boundary Holly.

2.3.4 Further, original pinfolds were often built close to water and at the edge of a manor boundary, as can be seen on the 1850 map below, when Arkendale fell within the township boundary of Farnham (See Plan above).

2.3.4.26 The Enclosure Acts of the early 19th century (the first enclosure Act was actually passed in 1604 and continued for many many years) followed on from the open field system of medieval times. As such hedgerows between fields owned by different farmers followed on from ridge and furrow.

2.3.4.27 Enclosure was the start of more regular shaped fields still seen today along with the many associated hedges. It is worth noting that often enclosures disrespected ridge and furrow alignments but

this overlaying of features can be revealing of local history if the features are known and can be disentangled.

2.3.4.28 However this is only part of the story with many hedgerows across England being many hundreds of years old and some over 1 000 years old. Discerning young from old is not straightforward and always open to debate.

2.3.4.29 Regardless, some assertions can be made and it is likely that Mar Head Balk is an ancient holloway bound on both sides by hedgerows. The hedgerow species indicate that the origin of the southern section is ancient in origin however the northern hedgerow section appears to have lost its ancient origins in the medieval period when it looks to have become aligned with a different field system.

2.4 Fauna

Invertebrates

2.4.1 No specific invertebrate surveys were undertaken however it is noted that in 2005 a "Coleoptera survey at the Marr, Arkendale" was undertaken by Martin Hammond.

2.4.2 In summary the survey recorded 124 species with only five generalist species meaning the remainder were all specialist wetland and water margin species. The report goes on to state*; "The presence of a significant suite of species associated with seasonally-exposed bare, sparsely-vegetated or vegetated mud indicates that draw-down habitats are an important feature of the site".*

2.4.3 Casual observations of other invertebrates included Buff-tailed bumblebee, Common carder bee, 7 spot ladybird,

2.4.4 Most survey days at The Mar were unsuitable for recording butterflies however the weather was sunny and warm on 26th June and Ringlet and Meadow brown butterflies were recorded.

2.4.5 The site affords good structural diversity for invertebrates with a range of species and habitats. However there are opportunities to enhance nectar rich species of benefit for wildlife.

2.4.6 The site is likely to be of local importance for invertebrates.

Birds

2.4.7 Although no specific survey for birds was undertaken, species were noted when observed or heard.

2.4.8 Bird species noted included a range of species associated with garden and countryside i.e. Wood pigeon (*Columba palumbus),* Collared dove (*Streptopelia decaocto*), Swallow (*Hirundo rustica*), House martin (*Delichon urbica*), Rook (*Corvus frugilegus*), Crow (*Corvus corone*), Blackbird (*Turdus merula*), Robin (*Erithacus rubecula*), Goldfinch (*Carduelis carduelis*), Chaffinch (*Fringilla coelebs*), Great tit (*Parus major*), Blue tit (*Cyanistes caeruleus*), Long-tailed tit (*Aegithalos caudatus*), House sparrow (*Passer domesticus*), Treecreeper (*Certhia familiaris*) Pheasant (*Phasianus colchicus*) and Dunnock (*Prunella modularis*).

2.4.9 Of greater interest was Greater spotted woodpecker (*Dendrocopos major*), Song thrush (*Turdus philomelos*), Buzzard (*Buteo buteo*)(overhead), Red kite (*Milvus milvus*)(overhead), Chiffchaff (*Phylloscopus collybita*), Blackcap (*Sylvia atricapilla*) and Tree sparrow (*Passer montana*).

2.4.10 To the pond Moorhen (*Gallinula chloropus*), Coot (*Fulica atra*), Mallard (*Anas platyrhychos*) and Teal (*Anas crecca*). The Moorhen is considered to be breeding at The Mar with a nest to the stone island in the centre of the pond. Moorhen was recorded as present on each survey with Teal noted once in autumn 2016.

Amphibians

2.4.11 A large and annually monitored population of Great crested newts are found at The Mar utilising both The Mar and the surrounding area.

2.4.12 Egg laying (GCN) was confirmed in April 2017 but no specific survey was carried out.

2.4.13 GCN often favour particular species for egg-laying and Forget-me-not is a favourite. However Forget-me-not is to the outer edge of the drawdown zone and drops in water levels may leave the eggs out of water and subject to drying.

2.4.14 A year on year reduced area of water in spring/summer is an area of concern in respect of GCN as this will compromise breeding success due to increased warming of water resulting in lower oxygen concentrations, increased predation by wildfowl and reduced levels of prey.

See Opportunity 7.SW7 i & ii (Opportunities Table pg. 51)

7.SW7i Monitoring of the GCN population.
7.SW7ii Monitoring of marginal vegetation following egg laying by GCN and identification of drying alongside egg and larvae development.

2.4.15 Following successful breeding GCN will leave the pond gradually with some leaving early, others leaving and returning and some not leaving until August.

2.4.16 The adjacent woodland offers ideal terrestrial overwintering habitat for GCN.

2.4.17 It is noted that residents adjacent to The Mar report finding GCN within their homes on occasion.

2.4.18 Frogs and toads were also observed on site.

Rabbits

2.4.19 A small number of Rabbits were observed around The Mar in the wet grassland and the woodland to the east of the pond.

2.4.20 It is unlikely that there is a large population of rabbits as it would be reasonable to expect a large population to have a far greater impact upon the vegetation at The Mar than currently observed.

Badger

2.4.21 Badgers (*Meles meles*) are likely to be resident in the wider surrounding area but no setts were confirmed as active within the site boundary at The Mar.

2.4.22 Badger tracks were noted in the soft silts of The Mar on a single occasion in July 2017 indicating feeding.

2.4.23 The grassland habitats on site will be attractive to Badgers for sources of prey i.e. for earthworms and Beetles etc.

2.4.24 On the 23rd June 2017 a Bumblebee nest within the rank grassland to the west of The Mar was noted as being destroyed and this was likely caused by a Badger.

2.4.25 Bumblebee nests can be protected once discovered by placing steel wire grids over them to allow bees to enter and exit but prevent Badgers from excavating. The grid would require fixing as Badgers are very strong and very determined and effective diggers.

Deer

2.4.26 A single Roe deer was observed at The Mar and evidence of their presence seen in tracks around pond whenever the soft silts around The Mar are exposed.

2.4.27 Deer can have a detrimental impact upon naturally regenerating trees but there was no obvious impacts resulting from deer at The Mar beyond occasional bark stripping which appears to be a result of deer.

2.4.28 Consideration to adequate protection should be given to any trees planted.

Bats

2.4.29 The North Yorkshire Bat Group provided the results of standard 2km search around The Mar.

2.4.30 The results reveal only three records for Arkendale, all of 'unknown' species. Unknown species are those that have likely been identified by sight rather than acoustically-allowing identification.

2.4.31 Lack of records is not an indication of the absence of bats from Arkendale but rather an absence of survey.

2.4.32 Within the wider 2km search area the species noted include Whiskered bat (*Myotis mystacinus*), Common pipistrelle (*Pipistrellus pipistrellus*), Soprano pipistrelle (*Pipistrellus pygmaeus*), Brown long-eared bat (*Plecotus auritus*) and Noctule (*Nyctalus noctula*).

2.4.33 It is considered highly likely that bats will exploit the invertebrate rich habitat offered by The Mar.

2.4.34 Bat species across the UK have suffered historical decline and are now strictly protected by law at a European level.

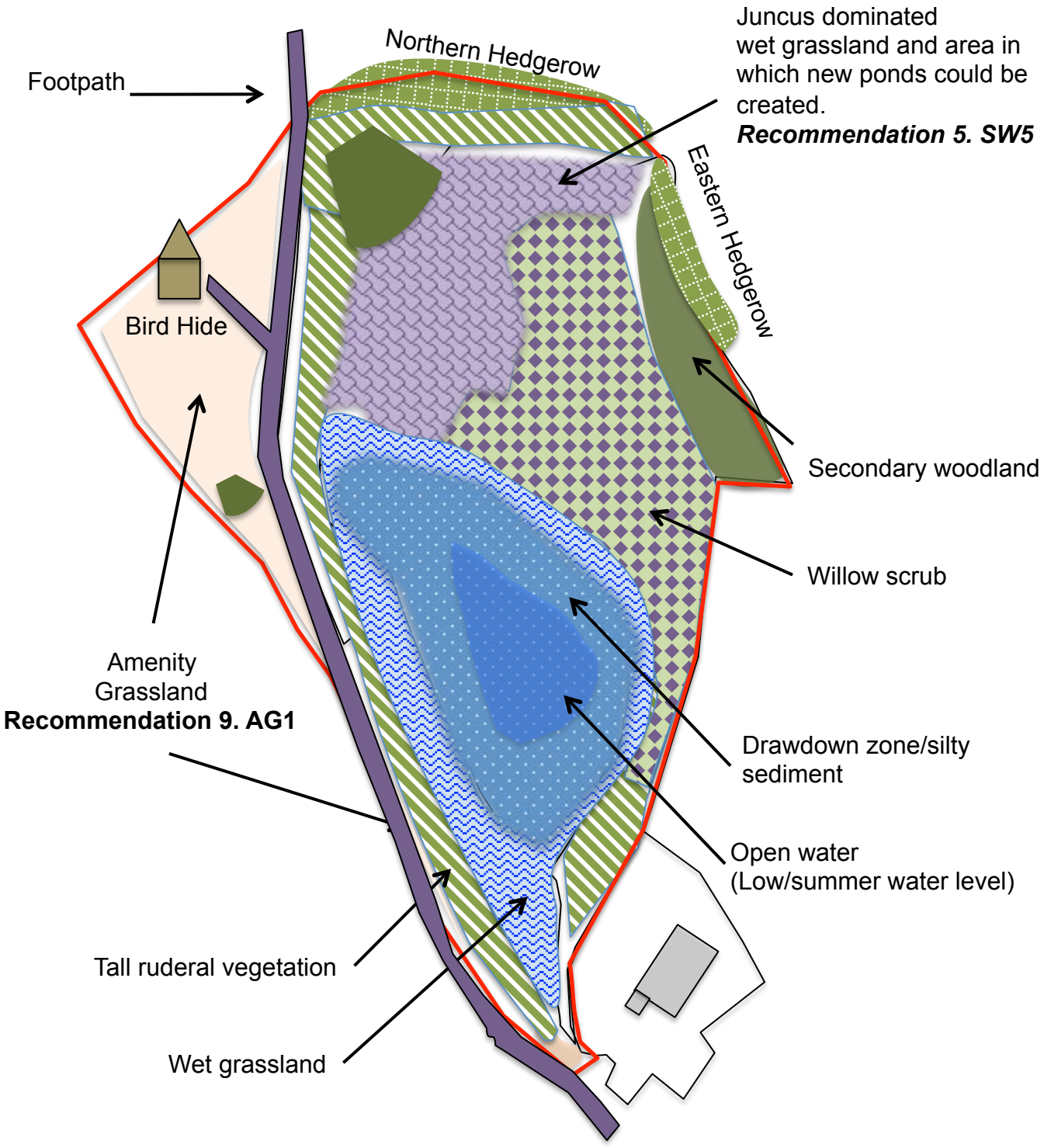
2.4.35 Amongst the reasons for the decline in bat species is habitat loss. Bats require a range of habitats and roosts sites. A single bat may require multiple roost sites over a year.

2.4.36 Erection of bat boxes around The Mar and with homeowner approval, to properties, would increase roosting opportunities for bats.

2.4.37 Ideally boxes should be placed 3m+ above the ground under eaves/gable top or to trunks of large trees with a clear flight path in and out of the box.

See Opportunity 14.Bat 1 (See Opportunities Table pg. 51)
Erection of woodcrete boxes (i.e. Schwegler bat boxes) to large trees and/or properties around The Mar and possibly the wider village.

Site Plan (Not To Scale)



3 DISCUSSION AND CONCLUSIONS

3.1 GENERAL

3.1.1 A desk study has identified that The Mar, as a waterbody, has been present on the site for at least 250 years and in all probability for significantly longer.

3.1.2 It is reasoned that the pond was either formed naturally due to topography and favourable geology or dug hundreds of years ago to form a watering hole for livestock.

3.1.3 In the 1970's photograph of The Mar below a large open body of water can be seen, upon which children are skating. The area of water in 1977 is significantly larger than is seen at the present time and the marginal vegetation largely absent.

Skating on the Mar, January 1977

Photo 9: Photo from Arkendale Parish Website

3.1.4 Considering that the pond has persisted for at least a couple of

hundred of years it would seem there has been a recent change in the environmental conditions that has initiated succession and drying. While the pond did not entirely dry out in 2017 the area of open water was significantly reduced rapidly in spring.

3.1.5 In the photograph to the front of the report and the photograph taken in the 1970s tree and scrub cover appears minimal and there is an absence of marginal aquatic vegetation. Some agent (as identified above) was acting to prevent the growth of scrubs and trees through this time period.

3.1.6 Two factors that would prevent succession, either alone or in combination, are grazing and high water levels, which would both serve to prevent the establishment of vegetation.

3.1.7 However a specific site factor that may have served to initiate succession or acted in combination with another, is the collapse/blocking of the culvert to the south of The Mar.

3.1.8 At some point in the past a culvert was built, presumably to take excess water away from the properties and road around The Mar. Sometime later the culvert become blocked, the cause of which is uncertain but is most likely due to vegetation/earth clogging the entrance to the culvert or the culvert may have collapsed at some point along its length.

3.1.9 The blocking of the culvert and the inability of water to discharge from The Mar may lead one to suspect flooding would be a problem at The Mar but this does not appear to be the case, rather the area of water has reduced and the culvert appears redundant.

3.1.10 It is suggested that prior to the collapse of the culvert excess

winter floodwater was discharged through the culvert, taking with it nutrients and sediment. This may have effectively acted like a flushing mechanism for The Mar, resulting in a reduced nutrient load and a slow rate of succession. However by reducing winter flood levels vegetation was able to establish-whereas previously waterlogged soils would have prevented this.

3.1.11 The collapse of the culvert may therefore have resulted in an increased nutrient and sediment load within The Mar acting to increase the rate of succession and growth of vegetation, especially to the margins beyond high water level. It is suggested that the water levels are not higher because of increased evapotranspiration.

3.1.12 At the present time the silty/muddy drawdown zone appears to hold enough water within the sediment to exclude most species apart from Amphibious bistort and a White flowered water crowfoot.

3.1.13 The Mar as it is today is an example of active hydrosere succession forming a continuum of succession from open water, wetland habitats through to woodland all closely connected with the water levels in The Mar.

3.1.14 Fluctuating water levels are a feature of ecological benefit at the site in the following ways; exposing an extensive drawdown zone of benefit to invertebrates, occasional drying ensures the absence of fish and minimising the presence of waterfowl. Waterfowl and resulting defecation would serve to more rapidly increase nutrient enrichment within The Mar.

3.1.15 Fluctuating water levels do however have the potential to impact negatively upon the GCN population and further investigation is

advised with regards to drawdown timings and laying of GCN eggs/hatching of larvae.

See Opportunity 7.SW7 i & ii (Opportunities Table pg. 51)

7.SW7i Monitoring of the GCN population.
7.SW7ii Monitoring of marginal vegetation following egg laying by GCN and identification of drying alongside egg and larvae development.

3.1.16 Further natural succession will eventually lead to the infilling of The Mar completely, hence a recommendation of this report is for sensitive and phased sediment removal.

3.1.17 It is envisaged that no more than 1/3 of the sediment would be removed at any one time to allow flora and fauna refuge during works.

3.1.18 Opportunities to enhance The Mar are set out in the Opportunities Table below and include the following

- Creation of new ponds/scrapes to the north of the existing open water
- Removal and coppicing of 'some' willow scrub
- Sensitive and phased removal of sediment while maintaining an extensive drawdown zone.
- Management of invasive species
- Information sharing in respect of invasive species
- Avoid inputs of water from any new developments to avoid nutrient enrichment.
- Nutrient status study
- Installation of simple measure to monitor water levels

3.2 WILDLIFE

3.2.1 The Mar and surrounding site as perhaps best described as a green ‘stepping stone’ where wildlife can rest, feed or breed in an otherwise largely agricultural landscape which is lacking in such opportunities.

3.2.2 The site is small but ecologically and structurally diverse providing habitat for many species but in particular invertebrates and Great crested newts.

Great Crested Newt

3.2.3 Records provided by NEYEDC show that GCN do breed successfully at The Mar with positive records in 2000, 2009 and 2015 with a maximum single count of 30 in 2009.

3.2.4 GCN are a key feature of The Mar and it strongly advised that the requirements (and legal protection) of this species are considered in all decision making and any management activities undertaken within The Mar or surrounding environs. This will ensure that this important species continues to thrive at The Mar.

3.2.5 A repeated and ongoing year on year, reduced area of water in spring/summer, is an area of concern in respect of GCN.

3.2.6 The drop in water levels exposes marginal vegetation upon which GCN (and other amphibians) lay their eggs. Eggs and or larvae will not survive drying out and this will compromise breeding success.

3.2.7 Further, a smaller body of water will be vulnerable to increased warming of water resulting in lower oxygen concentrations, increased predation of GCN by wildfowl and reduced levels of

prey for GCN larvae (adults can and do leave the water while larvae feed within the water).

Birds

3.2.8 While no specific bird surveys were undertaken at The Mar all species of bird were noted during surveys.

3.2.9 The bird assemblage comprised many species typical of gardens and those associate with rural buildings.

3.2.10 The Mar, as an open body of water is likely to attract many species for feeding and possibly gathering of nesting material.

3.2.11 Nesting does not appear to be significant at The Mar and this is not unexpected due to a large number of species visiting the site to feed. Nesting is more likely to occur to the site margins, gardens and farm buildings beyond with The Mar a vital source of prey/food.

3.2.12 As part of wider recommendations opportunity for including a bird hide may wish to be considered to bring more people to The Mar for the purpose of bird watching. A suggested location for a bird hide is shown in Appendix 1 Site Plan.

3.2.13 The location for the bird hide is suggested for the following reasons

- Overlooks The Mar providing a good viewing point
- Visible from a number of properties to deter vandalism
- Located in an area easily accessible from existing footpath
- Avoids existing ecological features

3.2.14 A range of bird boxes may be used but it is advised that these are positioned to trees on the site boundary or within gardens on the edge of The Mar.

See Opportunity 16 and 17 (See Opportunities Table pg. 51)

Consult the local community on the desirability of a bird hide at The Mar.
Community day making and erecting bird (and bat) boxes to be carried out in advance of the breeding bird season i.e. a winter activity

4 OPPORTUNITIES FOR ENHANCEMENT

4.1 Recommendations provided herein set out as ‘opportunities for enhancement’ and are guided by the assessment undertaken by Lobo Ecology in 2016 and 2017, ecological surveys undertaken previously relating to invertebrates and GCN and comments provided by Oliver Quarmby of the Parish Council.

4.2 The opportunities for enhancement are set out in the table below.

4.3 It is hoped that the recommendations and suggestions herein provide ideas for the Parish Council and local community that they may wish to progress and implement as part of an ongoing management plan for The Mar.

END

Opportunities Table

Opportunity Code	Detail	Driver	Recommendations
Standing Water			
1. SW1	Himalayan balsam and New Zealand pygmyweed are known as invasive species. These plants can spread rapidly becoming the dominant species in a habitat, this is undesirable and often to the detriment of other more desirable and beneficial species. Therefore measures are required i) to prevent avoidable and inadvertent spread and ii) where practicable carry out management to remove or stall spread of these two plants. Himalayan balsam spreads by seed while New Zealand pygmyweed can be spread by the smallest of plant fragment.	Biosecurity to prevent the spread of an invasive species.	SW1i Share information about the invasive species. SW1ii Avoid entering water and always clean equipment and footwear afterwards. SWiii Explore options for management/ eradication.
2. SW2	Avoid inputs of water from anywhere other than natural sources including those that may result from new development.	Prevent risk of contaminants entering The Mar including nutrients, which would result in increased nutrient enrichment.	No runoff from adjacent properties or new development to be diverted in to The Mar
3. SW3	Knowledge of the nutrient status of The Mar is important in understanding the development and rate of succession of the pond.	Avoid over enrichment and the pond tipping to a state of eutrophication.	A study of nutrient status of pond over a 12-month period or as advised by professional.
4. SW4	It would be extremely useful to have comparative data over time for the water levels in The Mar to	To better understand water levels in respect to inputs and	Install a level allowing water levels to be monitored/recorded.

	quantify the change over time and correlate the change other environmental factors i.e. groundwater levels, climate, rainfall.	output, seasonal change and change over a wider timescale.	
5. SW5	To the north of The Mar is an area of marshy/wet grassland. This are may be suitable for new pond creation/scrapes to enhance the site and once again open up the site.	Increased wetland areas within the site of benefit for wildlife and creating a habitat with greater aesthetic appeal.	Identify areas suitable for pond creation.
6. SW6	The Mar is likely to benefit from sensitive, carefully managed silt/sediment removal to facilitate and maintain a larger body of open water. It is considered desirable that a larger body of open water is maintained for longer in the spring to ensure that GCN eggs and larvae are not subject to drying out.	The increased silt/sediment deposition in The Mar is likely to be increasing that rate of succession/vegetation growth. It is considered desirable to slow the rate of succession and maintain The Mar as an open body of water alongside the adjacent successional habitats and drawdown zone.	Explore options and cost for sediment removal. Implications arising from the presence of New Zealand pygmyweed will need to be included in any exploration.
7.SW7	Fluctuating water levels are an advantageous feature of The Mar, however further exploration of water levels in relation to GCN is required to determine whether this fluctuation is deleterious for GCN eggs or larvae.	It is considered that The Mar may hold a locally important population of GCN. Drying of The Mar and the loss of suitable egg laying material and wetted at the correct time of year to support egg and larvae development, will almost certainly be deleterious for the population.	7.SW7i Monitoring of the GCN population. 7.SW7ii Monitoring of marginal vegetation following egg laying by GCN and identification of drying alongside egg and larvae development.

Willow Scrub			
8. WS1	Willow scrub can form very dense woodland like habitats than once established, casting dense shade and offering less value to wildlife. Willow as a craft is increasingly popular and it may be that links with local willow weavers could be incorporated in to a management plan allowing willow to be harvested from the site.	Limit/ reduce the spread of Willow scrub, increase edge habitat associated with scrub by creating smaller stands of scrub and improve structure through coppicing.	Management of scrub through removal and coppicing on a rotational basis and with no more than 1/3 of scrub removed at any one time.
Amenity Grassland			
9. AG1	The Mar would be greatly enhanced by the inclusion of appropriate wildflower planting, in the form of a wildflower meadow to the western side of the pond. See Appendix 1 Site Plan For Location	To enhance the aesthetic appeal of The Mar and increase the benefit of the grassland for pollinators.	Establish a wildflower meadow and implement appropriate management plan.
Hedgerows			
10. HR1	Restoration of northern and eastern hedgerow boundaries in keeping with historical aspect of The Mar and for the benefit of wildlife (See Appendix 1 Site Plan). Hedgerow restoration will include planting up gaps with appropriate species, laying and ongoing management.	Restoration of hedgerows to increase species diversity, structure and benefit to wildlife.	Initiate a management plan for the replanting of hedgerows to achieve the aims set out.
11. HR2	At the present time ground flora to the hedgerows is poor being dominated by Nettles. Planting of	Species enhancement.	As part of the above management plan include an

	appropriate species to increase the diversity of the ground flora would create an attractive hedgerow bottom of benefit to wildlife. Hedgerow ground flora is best planted once hedges are established and casting shade on the hedge bottom.		option for identification of suitable species for planting to hedgerow bottom to enhance species diversity.
Secondary Woodland			
12. W1	Established secondary woodland to the northeastern boundary of the site may benefit from selective felling of trees to allow areas where light can reach the ground to encourage ground flora.	To increase biodiversity and benefit for wildlife.	Seek arboricultural advice on opportunities for sensitive and selective felling for the benefit of ground flora. Ring-barking may be appropriate to encourage standing dead wood. Felled wood to be stacked and retained on-site.
13. W2	Himalayan balsam is abundant to the woodland in the northeast corner of the site. Removal of the plant in summer, prior to seeding will reduce the number of plants year on year with annual pulling.	To allow other non-invasive species to establish.	Annual programme of balsam pulling to reduce presence of Himalayan balsam with a longer term aim of eradication from the site.
Bats			
14. Bat 1	Bats are highly likely to utilise The Mar and surrounding habitats for foraging and possibly roosting in trees/properties.	To increase the stock of roosting opportunities for this elusive species.	Erection of woodcrete boxes (i.e. Schwegler bat boxes) to large trees and/or properties around The Mar and possibly the wider village.
15.Bat 2	Artificial light can have a detrimental impact upon bats due to the desire to avoid light. Artificial light can	Ensure absence of artificial light across The Mar and	Commitment to avoidance of artificial light close to The Mar

	be as effective as habitat removal at preventing the movement of bats. Natural corridors of unlit vegetation are further needed to ensure movement of bats across the landscape between roosts and feeding sites.	surrounding area including, as far as possible, green corridors i.e. woodland and hedgerows.	and surrounding habitats including woodland.
Bird Hide & Bird Boxes			
16. Bird 1	The community may wish to consider a bird hide at The Mar to encourage local people and bird watchers. A location for the bird hide is shown on the Site Plan.	Community benefit	Consult the local community on the desirability of a bird hide at The Mar.
17. Bird 2	Bird boxes are always a benefit to wildlife and occasionally of benefit to species other than birds. As The Mar is busy with visiting birds it is advised that bird boxes are erected away from The Mar itself and erected more to boundary features and/or adjacent gardens.	Quiet, safe nesting opportunities for birds are always at a premium. The more suitable nesting opportunities can be provided the better the chance of survival for birds.	Community day making and erecting bird (and bat) boxes to be carried out in advance of the breeding bird season i.e. a winter activity
Footpath/Walkway			
18. Footpath	At the present time there is a mown pathway to the western side of The Mar. This appears to be sufficiently walked in spring to be maintained however later in the summer the path becomes impenetrable and difficult to walk. Opportunities to better manage the path and or formailise the path would better allow access to The Mar and linkage to Mar Head Balk. In the future this footpath may also link with a bird hide.	Community benefit and open access for those with disabilities.	Create formal, managed footpath along eastern boundary of The Mar broadly in line with the existing informal path. If required include option for linking footpath to the proposed bird hide.

Appendix 1: Species List

		Standing Water & Wet Grassland	Willow Scrub	Tall Ruderal Grassland	Amenity Grassland	Hedgerows & Hedgerow Bottoms	Secondary Woodland
Alchemilla	*Alchemilla sp.*				✔		
Amphibious bistort	*Persicaria amphibia*	✔					
Annual meadow grass	*Poa annua*				✔	✔	✔
Ash	*Fraxinus excelsior*					✔	✔
Bird's-foot trefoil	*Lotus corniculatus*			✔	✔		
Bird cherry	*Prunus padus*						✔
Bittersweet	*Solanum dulcamara*			✔			
Black bryony	*Dioscorea communis*					✔	
Black medick	*Medicago lupulina*				✔		
Blackthorn	*Prunus spinosa*					✔	
Bluebells	*Hyacinthoides non-scripta*					✔	✔
Bramble	*Rubus fruticosus agg.*		✔	✔✔		✔✔	✔
Broad leaved dock	*Rumex obtusifolius*			✔	✔	✔	✔
Brooklime	*Veronica beccabunga*	✔					
Bulrush	*Typha latifolia*	✔✔					
Common hawthorn	*Crataegus monogyna*					✔	✔
Common duckweed	*Lemna minor*	✔					
Compact rush	*Juncus*	✔		✔			

		Standing Water & Wet Grassland	Willow Scrub	Tall Ruderal Grassland	Amenity Grassland	Hedgerows & Hedgerow Bottoms	Secondary Woodland
	conglomeratus						
Common sorrel	*Rumex acetosa*			✔			
Common spike rush	*Eleocharis palustris*	✔					
Cocksfoot	*Dactylis glomerata*			✔	✔	✔	✔
Cow parsley	*Anthriscus sylvestris*			✔	✔		
Chickweed	*Stellaria media*			✔	✔		
Crab apple	*Malus sylvestris*					✔	
Creeping bent	*Agrostis stolonifera*			✔	✔		
Creeping buttercup	*Ranunculus repens*			✔	✔		
Creeping thistle	*Cirsium arvense*			✔	✔		
Cuckoo flower	*Cardamine pratensis*				✔		
Cuckoo pint	*Arum maculatum*						✔
Damson	*Prunus domestica*					✔	
Dandelion	*Taraxacum officinale*			✔	✔		
Dock	*Rumex obtusifolius*				✔	✔	✔
Dove's foot cranesbill	*Geranium molle*				✔		
Elder	*Sambucus nigra*					✔	✔
English elm	*Ulmus minor*					✔	✔
False fox sedge	*Carex otrubae*				✔		
False oat grass	*Arrhenatherum elatius*			✔	✔	✔	
Field forget-me-not	*Myotis arvensis*				✔		
Field maple	*Acer campestre*					✔	
Flote grass	*Glyceria fluitans*	✔					

		Standing Water & Wet Grassland	Willow Scrub	Tall Ruderal Grassland	Amenity Grassland	Hedgerows & Hedgerow Bottoms	Secondary Woodland
Foxglove	*Digitalis purpurea*			✔		✔	
Germander speedwell	*Veronica chamaedrys*				✔		
Great willowherb	*Epilobium hirsutum*	✔		✔			
Greater plantain	*Plantago major*			✔	✔		
Grey willow	*Saix cinerea*		✔				
Gypsywort	*Lycopus europeaus*	✔		✔			
Hard rush	*Juncus inflexus*	✔		✔			
Hawthorn	*Crataegus monogyna*					✔	✔
Hazel	*Corylus avellana*						
Hedge bindweed	*Calystegia sepium*	✔		✔			
Hedge woundwort	*Stachys sylvatica*			✔	✔		
Himalayan balsam	***Impatiens glandulifera***	✔	✔	✔	✔	✔	✔
Hogweed	*Heracleum sphondylium*	✔		✔	✔		
Holly	*Ilex aquifolium*					✔	✔
Knotgrass	*Polygonum aviculare*				✔		
Lesser celandine	*Ranunculus ficaria*				✔		
Lesser spearwort	*Ranunculus flammula*	✔					
Marsh foxtail	*Alopecurus geniculatus*	✔					
Meadow clary	*Salvia pratensis*			✔			
Meadow foxtail	*Alopecurus pratensis*			✔			
Nettle	*Urtica dioica*	✔	✔	✔	✔	✔	✔

		Standing Water & Wet Grassland	Willow Scrub	Tall Ruderal Grassland	Amenity Grassland	Hedgerows & Hedgerow Bottoms	Secondary Woodland
New Zealand pygmyweed	***Crassula helmsii***	✔					
Oak	*Quercus robur*						✔
Perennial rye grass	*Lolium perenne*				✔		
Pignut	*Conopodium majus*				✔		
Prickly sow-thistle	*Sonchus asper*				✔		✔
Ribwort plantain	*Plantago lanceolata*				✔		
Rosebay willowherb	*Epilobium angustifolium*				✔		
Rough-stalked meadow grass	*Poa trivialis*			✔	✔		
Scentless mayweed	*Tripleurospermum inodorum*				✔		
Self- heal	*Prunella vulgaris*				✔		
Silverweed	*Potentilla anserina*				✔		✔
Smooth meadow grass	*Poa pratensis*				✔		
Soft rush	*Juncus effusus*				✔	✔	
Sorrel	*Rumex acetosa*						
Spanish bluebells	*Hyacinthoides hispanica*				✔		
Spear thistle	*Cirsium vulgare*			✔		✔	
Spindle	*Euonymus europaeus*					✔	
Sycamore	*Acer pseudoplatanus*					✔	✔
Teasel	*Dipsacus fullonum*				✔		
Timothy	*Phleum pratense*			✔	✔		

		Standing Water & Wet Grassland	Willow Scrub	Tall Ruderal Grassland	Amenity Grassland	Hedgerows & Hedgerow Bottoms	Secondary Woodland
Tufted hair grass	*Deschampsia cespitosa*			✔	✔		
Tufted vetch	*Vicia cracca*			✔	✔		
Water crowfoot	*Ranunculus sp.*	✔					
Water mint	*Mentha aquatica*	✔					
White clover	*Trifolium repens*				✔		
White dead nettle	*Lamium album*			✔	✔		
Wild cherry (Gean)	*Prunus avium*					✔	✔
Wood avens	*Geum urbanum*			✔			✔
Wood dock	*Rumex sanguineus*			✔			
Woody nightshade	*Solanum dulcamara*			✔			
Wych elm	*Ulmus glabra*					✔	
Yellow flag iris	*Iris pseudocorus*	✔					
Yorkshire fog	*Holcus lanatus*			✔	✔		

Appendix 2: North Yorkshire Bat Group Records

Species	Site	Grid ref.	Quantity	Date	Comment
Whiskered Bat	Spellow Hill, Knaresborough	SE380622		24-Aug-83	Roost
Whiskered Bat	Spellow Hill	SE380622		28-Jul-83	
Noctule Bat	Ferrensby	SE366611		21-May-15	
Noctule Bat	Ferrensby	SE366611		16-Jun-15	
Noctule Bat	Ferrensby	SE366611		22-Jul-15	
Noctule Bat	Ferrensby	SE366611		26-Aug-15	
Common Pipistrelle	Clareton, Coneythorpe	SE395594		18-May-98	Feeding
Common Pipistrelle	Ferrensby	SE366611		21-May-15	
Common Pipistrelle	Ferrensby	SE366611		16-Jun-15	
Common Pipistrelle	Ferrensby	SE366611		22-Jul-15	
Common Pipistrelle	Ferrensby	SE366611		26-Aug-15	
Common Pipistrelle	Ferrensby	SE366611		24-Sep-15	
Brown Long-eared Bat	Spellow	SE3862		1985	
Brown Long-eared Bat	Spellow Hill, Knaresborough	SE380622		24-Aug-83	
Brown Long-eared Bat	Spellow	SE3862	1	16-Sep-85	
Brown Long-eared Bat	Spellow	SE3862		28-Jul-93	
Brown Long-eared Bat	Ferrensby	SE366611		22-Jul-15	
Brown Long-eared Bat	Ferrensby	SE366611		24-Sep-15	
Soprano Pipistrelle	Ferrensby	SE366611		21-May-15	
Soprano Pipistrelle	Ferrensby	SE366611		16-Jun-15	
Soprano Pipistrelle	Ferrensby	SE366611		22-Jul-15	
Soprano Pipistrelle	Ferrensby	SE366611		26-Aug-15	
Soprano Pipistrelle	Ferrensby	SE366611		24-Sep-15	
Pipistrelle species	Spellow Hill, Knaresborough	SE380622		24-Aug-83	Roost
Pipistrelle species	Mowbray, Arkendale Road, Ferrensby	SE371607		26-Jul-84	Roost

Pipistrelle species	Spellow Hill	SE380622		28-Jul-83	
Myotis bat sp.	Ferrensby	SE366611		21-May-15	
Myotis bat sp.	Ferrensby	SE366611		16-Jun-15	
Myotis bat sp.	Ferrensby	SE366611		22-Jul-15	
Myotis bat sp.	Ferrensby	SE366611		26-Aug-15	
Myotis bat sp.	Ferrensby	SE366611		24-Sep-15	
Myotis bat sp.	Ferrensby	SE366611		25-Sep-15	
Unknown	Mapel Croft, Farnham Lane, Ferrensby	SE368607	1	01-Sep-02	Grounded bat
Unknown	Mowbray, Arkendale Road, Ferensby	SE371607		22-May-87	
Unknown	Poplars Farm, Ferrensby, Knaresborough	SE377600		25-Jul-88	
Unknown	West View, Arkendale	SE389607		19-Jul-84	Roost
Unknown	Ferrensby Grange, Ferrensby	SE369606		04-Nov-03	
Unknown	Long Acre, Arkendale	SE384609		07-Sep-05	Bat in house
Unknown	Keeper's Cottage, Spellow Hill, Staveley	SE382623		11-Sep-06	Roost
Unknown	Hill Farm Cottage, Loftus Hill, Ferrensby	SE371615	3	25-Sep-91	Bat found during works
Unknown	Hardraw House, Arkendale	SE3888960754		1984	Roost
Unknown	Ferrensby	SE366611		25-Sep-15	

Appendix 3: NEYEDC Records

Scientific Name	Common Name	Taxonomic group	Location	Grid Reference	Custodian	Survey	Recorder	Dated	Measurement
Bufo bufo	Common Toad	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	29/04/2015	- Abundance tadpole (Count)
Bufo bufo	Common Toad	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	29/04/2015	- Abundance tadpole (Count)
Bufo bufo	Common Toad	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	07/04/2015	
Bufo bufo	Common Toad	amphibian	Arkendale [Pond at Dale Farm]	SE3900060850	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	09/05/2010	1 Abundance Female (Count)
Bufo bufo	Common Toad	amphibian	Arkendale [Pond at Dale Farm]	SE3900060850	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	09/05/2010	1 Abundance Female (Count)
Bufo bufo	Common Toad	amphibian	Arkendale [Pond at Dale Farm]	SE39006085	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	26/04/2010	1 Abundance Male (Count)
Bufo bufo	Common Toad	amphibian	Arkendale [Pond at Dale Farm]	SE39006085	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	26/04/2010	1 Abundance Male (Count)
Bufo bufo	Common Toad	amphibian	North Yorkshire	SE36	neyedc.org.uk	Herpetofauna records from The Naturalist	Unknown	1970 - 1977	
Bufo bufo	Common Toad	amphibian	North Yorkshire	SE35	neyedc.org.uk	Herpetofauna records from The Naturalist	Unknown	1970 - 1977	
Lissotriton vulgaris	Smooth Newt	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	13/05/2015	1 Abundance Female (Count)
Lissotriton vulgaris	Smooth Newt	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	13/05/2015	- Abundance Egg (Count)
Lissotriton vulgaris	Smooth Newt	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	13/05/2015	1 Abundance Female (Count)
Lissotriton vulgaris	Smooth Newt	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	13/05/2015	- Abundance Egg (Count)
Lissotriton vulgaris	Smooth Newt	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	29/04/2015	1 Abundance Male (Count)
Lissotriton vulgaris	Smooth Newt	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	29/04/2015	1 Abundance Male (Count)
Lissotriton vulgaris	Smooth Newt	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	29/04/2015	2 Abundance Female (Count)
Lissotriton vulgaris	Smooth Newt	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	29/04/2015	2 Abundance Female (Count)
Lissotriton vulgaris	Smooth Newt	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	07/04/2015	
Lissotriton vulgaris	Smooth Newt	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	07/04/2015	
Lissotriton vulgaris	Smooth Newt	amphibian	Arkendale [Pond at Dale Farm]	SE3900060850	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	09/05/2010	1 Abundance Female (Count)
Lissotriton vulgaris	Smooth Newt	amphibian	Arkendale [Pond at Dale Farm]	SE3900060850	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	09/05/2010	1 Abundance Female (Count)
Lissotriton vulgaris	Smooth Newt	amphibian	Arkendale [Pond at Dale Farm]	SE39006085	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	26/04/2010	3 Abundance Male (Count)

Lissotriton vulgaris	Smooth Newt	amphibian	Arkendale [Pond at Dale Farm]	SE39006085	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	26/04/2010	2 Abundance Female (Count)
Lissotriton vulgaris	Smooth Newt	amphibian	Arkendale [Pond at Dale Farm]	SE39006085	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	26/04/2010	2 Abundance Female (Count)
Lissotriton vulgaris	Smooth Newt	amphibian	Arkendale [Pond at Dale Farm]	SE39006085	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	26/04/2010	3 Abundance Male (Count)
Lissotriton vulgaris	Smooth Newt	amphibian	The Mar, Arkendale	SE384610	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	16/05/2009	32 Abundance None (Count)
Lissotriton vulgaris	Smooth Newt	amphibian	The Mar, Arkendale	SE384610	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	10/05/2009	17 Abundance None (Count)
Rana temporaria	Common Frog	amphibian	Arkendale [Pond at Dale Farm]	SE3900060850	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	09/05/2010	- Abundance tadpole (Count)
Rana temporaria	Common Frog	amphibian	Arkendale [Pond at Dale Farm]	SE3900060850	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	09/05/2010	- Abundance tadpole (Count)
Rana temporaria	Common Frog	amphibian	North Yorkshire	SE36	neyedc.org.uk	Herpetofauna records from The Naturalist	Unknown	1970 - 1977	
Rana temporaria	Common Frog	amphibian	North Yorkshire	SE35	neyedc.org.uk	Herpetofauna records from The Naturalist	Unknown	1970 - 1977	
Triturus cristatus	Great Crested Newt	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	13/05/2015	- Abundance Egg (Count)
Triturus cristatus	Great Crested Newt	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	13/05/2015	3 Abundance Male (Count)
Triturus cristatus	Great Crested Newt	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	13/05/2015	8 Abundance Female (Count)
Triturus cristatus	Great Crested Newt	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	13/05/2015	8 Abundance Female (Count)
Triturus cristatus	Great Crested Newt	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	13/05/2015	3 Abundance Male (Count)
Triturus cristatus	Great Crested Newt	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	29/04/2015	- Abundance Egg (Count)
Triturus cristatus	Great Crested Newt	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	29/04/2015	2 Abundance Juvenile (Count)
Triturus cristatus	Great Crested Newt	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	29/04/2015	- Abundance Egg (Count)
Triturus cristatus	Great Crested Newt	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	29/04/2015	2 Abundance Juvenile (Count)
Triturus cristatus	Great Crested Newt	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	07/04/2015	7 Abundance Female (Count)
Triturus cristatus	Great Crested Newt	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	07/04/2015	14 Abundance Male (Count)
Triturus cristatus	Great Crested Newt	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	07/04/2015	7 Abundance Female (Count)
Triturus cristatus	Great Crested Newt	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	07/04/2015	4 Abundance Juvenile (Count)
Triturus cristatus	Great Crested Newt	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	07/04/2015	- Abundance Egg (Count)

Triturus cristatus	Great Crested Newt	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	07/04/2015	4 Abundance Juvenile (Count)
Triturus cristatus	Great Crested Newt	amphibian	Arkendale [The Mar]	SE3840961033	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	07/04/2015	14 Abundance Male (Count)
Triturus cristatus	Great Crested Newt	amphibian	Arkendale [Pond at Dale Farm]	SE3900060850	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	14/05/2010	1 Abundance Female (Count)
Triturus cristatus	Great Crested Newt	amphibian	Arkendale [Pond at Dale Farm]	SE3900060850	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	14/05/2010	- Abundance Egg (Count)
Triturus cristatus	Great Crested Newt	amphibian	Arkendale [Pond at Dale Farm]	SE3900060850	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	14/05/2010	1 Abundance Female (Count)
Triturus cristatus	Great Crested Newt	amphibian	Arkendale [Pond at Dale Farm]	SE3900060850	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	09/05/2010	- Abundance Egg (Count)
Triturus cristatus	Great Crested Newt	amphibian	Arkendale [Pond at Dale Farm]	SE3900060850	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	09/05/2010	- Abundance Egg (Count)
Triturus cristatus	Great Crested Newt	amphibian	Arkendale [Pond at Dale Farm]	SE39006085	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	26/04/2010	5 Abundance Female (Count)
Triturus cristatus	Great Crested Newt	amphibian	Arkendale [Pond at Dale Farm]	SE39006085	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	26/04/2010	- Abundance Egg (Count)
Triturus cristatus	Great Crested Newt	amphibian	Arkendale [Pond at Dale Farm]	SE39006085	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	26/04/2010	3 Abundance Male (Count)
Triturus cristatus	Great Crested Newt	amphibian	Arkendale [Pond at Dale Farm]	SE39006085	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	26/04/2010	5 Abundance Female (Count)
Triturus cristatus	Great Crested Newt	amphibian	Arkendale [Pond at Dale Farm]	SE39006085	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	26/04/2010	- Abundance Egg (Count)
Triturus cristatus	Great Crested Newt	amphibian	Arkendale [Pond at Dale Farm]	SE39006085	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	26/04/2010	3 Abundance Male (Count)
Triturus cristatus	Great Crested Newt	amphibian	The Mar, Arkendale	SE384610	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	21/05/2009	
Triturus cristatus	Great Crested Newt	amphibian	The Mar, Arkendale	SE384610	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	16/05/2009	30 Abundance None (Count)
Triturus cristatus	Great Crested Newt	amphibian	The Mar, Arkendale	SE384610	neyedc.org.uk	Ecological Consultant Survey Data: Haycock & Jay Associates Ltd	Haycock, Gordon	10/05/2009	5 Abundance None (Count)
Triturus cristatus	Great Crested Newt	amphibian	The Marr, Arkendale	SE384610	neyedc.org.uk	Harrogate pond survey & historical records	Marshall	11/11/2000	15 Abundance None (Count)
Anas platyrhynchos	Mallard	bird	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	
Columba palumbus	Common Wood Pigeon	bird	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	
Corvus frugilegus	Rook	bird	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	
Corvus frugilegus	Rook	bird	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	
Fulica atra	Common Coot	bird	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	
Gallinula chloropus	Common Moorhen	bird	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	

Gallinula chloropus	Common Moorhen	bird	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	
Motacilla alba subsp. yarrellii	Pied Wagtail	bird	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	
Numenius arquata	Eurasian Curlew	bird	Harrogate District	SE3859	neyedc.org.uk	Bird records from RSPB	Unknown	31/12/1993	
Turdus merula	Common Blackbird	bird	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	
Turdus merula	Common Blackbird	bird	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	
Turdus viscivorus	Mistle Thrush	bird	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	
Tyto alba	Barn Owl	bird	Ferrensby	SE366611	neyedc.org.uk	Ecological Consultant Survey Data: Smeeden Foreman Ltd	Surveyor [Smeeden Foreman]	21/05/2015	
Vanellus vanellus	Northern Lapwing	bird	Harrogate District	SE3859	neyedc.org.uk	Bird records from RSPB	Unknown	31/12/1993	
Chamaecyparis lawsoniana	Lawson's Cypress	conifer	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	O Abundance Individuals (DAFOR)
Larix decidua	European Larch	conifer	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Larix kaempferi	Japanese Larch	conifer	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Picea abies	Norway Spruce	conifer	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Picea abies	Norway Spruce	conifer	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	O Abundance Individuals (DAFOR)
Pinus sylvestris	Scots Pine	conifer	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Dryopteris filix-mas	Male-fern	fern	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	O Abundance Individuals (DAFOR)
Ophioglossum vulgatum	Adder's-tongue	fern	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	R Abundance Individuals (DAFOR)
Pteridium aquilinum	Bracken	fern	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Acer campestre	Field Maple	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)

Acer campestre	Field Maple	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Acer campestre	Field Maple	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Acer platanoides	Norway Maple	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Acer pseudoplatanus	Sycamore	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Acer pseudoplatanus	Sycamore	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Achillea millefolium	Yarrow	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Achillea millefolium	Yarrow	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Aegopodium podagraria	Ground-elder	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Aegopodium podagraria	Ground-elder	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	LF Abundance Individuals (DAFOR)
Aesculus hippocastanum	Horse-chestnut	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Aethusa cynapium	Fool's Parsley	flowering plant	Moor End Meadow [Pond area]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Agrimonia eupatoria	Agrimony	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Agrostis capillaris	Common Bent	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	
Agrostis capillaris	Common Bent	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	F Abundance Individuals (DAFOR)
Ajuga reptans	Bugle	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Alchemilla xanthochlora	Intermediate Lady's-mantle	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Alisma plantago-aquatica	Water-plantain	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)

Alliaria petiolata	Garlic Mustard	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Alnus glutinosa	Alder	flowering plant	Moor End Meadow [Pond area]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Alnus glutinosa	Alder	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Alopecurus geniculatus	Marsh Foxtail	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	L Abundance Individuals (DAFOR)
Alopecurus pratensis	Meadow Foxtail	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Alopecurus pratensis	Meadow Foxtail	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	A Abundance 01 (DAFOR)
Alopecurus pratensis	Meadow Foxtail	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	LF Abundance Individuals (DAFOR)
Alopecurus pratensis	Meadow Foxtail	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Anacamptis pyramidalis	Pyramidal Orchid	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Angelica sylvestris	Wild Angelica	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	O Abundance Individuals (DAFOR)
Anthoxanthum odoratum	Sweet Vernal-grass	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	F Abundance 01 (DAFOR)
Anthoxanthum odoratum	Sweet Vernal-grass	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	F Abundance Individuals (DAFOR)
Anthriscus sylvestris	Cow Parsley	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Anthriscus sylvestris	Cow Parsley	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	L Abundance Individuals (DAFOR)
Anthriscus sylvestris	Cow Parsley	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	O Abundance Individuals (DAFOR)
Apium nodiflorum	Fool's-water-cress	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LA Abundance Individuals (DAFOR)
Arctium minus	Lesser Burdock	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)

Arenaria serpyllifolia	Thyme-Leaved Sandwort	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	R Abundance Individuals (DAFOR)
Arrhenatherum elatius	False Oat-grass	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	F Abundance 01 (DAFOR)
Arrhenatherum elatius	False Oat-grass	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	LA Abundance Individuals (DAFOR)
Arrhenatherum elatius	False Oat-grass	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Arum maculatum	Lords-and-Ladies	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Bellis perennis	Daisy	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Bellis perennis	Daisy	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Bellis perennis	Daisy	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LA Abundance Individuals (DAFOR)
Betula pendula	Silver Birch	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Betula pubescens	Downy Birch	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Betula pubescens	Downy Birch	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Brachypodium sylvaticum	False-brome	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Brachypodium sylvaticum	False-brome	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Briza media	Quaking-grass	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	O Abundance Individuals (DAFOR)
Bromus hordeaceus	Soft-Brome	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LA Abundance Individuals (DAFOR)
Calystegia sepium subsp. sepium	Calystegia sepium subsp. sepium	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	LA Abundance Individuals (DAFOR)

Campanula latifolia	Giant Bellflower	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	O Abundance Individuals (DAFOR)
Cardamine pratensis	Cuckooflower	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Cardamine pratensis	Cuckooflower	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Cardamine pratensis	Cuckooflower	flowering plant	Moor End Meadow [Pond area]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Cardamine pratensis	Cuckooflower	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Carduus crispus	Welted Thistle	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	R Abundance Individuals (DAFOR)
Carex flacca	Glaucous Sedge	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Carex hirta	Hairy Sedge	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LA Abundance Individuals (DAFOR)
Carex otrubae	False Fox-sedge	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	L Abundance Individuals (DAFOR)
Carex ovalis	Oval Sedge	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	L Abundance Individuals (DAFOR)
Carpinus betulus	Hornbeam	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Castanea sativa	Sweet Chestnut	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Centaurea nigra	Common Knapweed	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Centaurea nigra	Common Knapweed	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	A Abundance 01 (DAFOR)
Centaurea nigra	Common Knapweed	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Centaurea nigra	Common Knapweed	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	F Abundance Individuals (DAFOR)
Cerastium fontanum	Common Mouse-ear	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)

Cerastium fontanum	Common Mouse-ear	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Cerastium fontanum	Common Mouse-ear	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Cerastium fontanum	Common Mouse-ear	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	F Abundance Individuals (DAFOR)
Cerastium glomeratum	Sticky Mouse-ear	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Ceratophyllum demersum	Rigid Hornwort	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Chamerion angustifolium	Rosebay Willowherb	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Chamerion angustifolium	Rosebay Willowherb	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Cirsium arvense	Creeping Thistle	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Cirsium arvense	Creeping Thistle	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Cirsium arvense	Creeping Thistle	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	LA Abundance Individuals (DAFOR)
Cirsium arvense	Creeping Thistle	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Cirsium arvense	Creeping Thistle	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Cirsium palustre	Marsh Thistle	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Cirsium vulgare	Spear Thistle	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Cirsium vulgare	Spear Thistle	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Cirsium vulgare	Spear Thistle	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	O Abundance Individuals (DAFOR)

Cirsium vulgare	Spear Thistle	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Conopodium majus	Pignut	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	F Abundance 01 (DAFOR)
Conopodium majus	Pignut	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Cornus sanguinea	Dogwood	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Corylus avellana	Hazel	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Corylus avellana	Hazel	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LA Abundance Individuals (DAFOR)
Corylus avellana	Hazel	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Crataegus monogyna	Hawthorn	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	F Abundance 01 (DAFOR)
Crataegus monogyna	Hawthorn	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LA Abundance Individuals (DAFOR)
Crataegus monogyna	Hawthorn	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Crepis capillaris	Smooth Hawk's-beard	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Cruciata laevipes	Crosswort	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Cruciata laevipes	Crosswort	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	F Abundance 01 (DAFOR)
Cruciata laevipes	Crosswort	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Cruciata laevipes	Crosswort	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	O Abundance Individuals (DAFOR)
Cynosurus cristatus	Crested Dog's-tail	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	F Abundance 01 (DAFOR)

Cynosurus cristatus	Crested Dog's-tail	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LA Abundance Individuals (DAFOR)
Dactylis glomerata	Cock's-foot	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	F Abundance 01 (DAFOR)
Dactylis glomerata	Cock's-foot	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Dactylis glomerata	Cock's-foot	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	LA Abundance Individuals (DAFOR)
Dactylis glomerata	Cock's-foot	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Dactylis glomerata	Cock's-foot	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Dactylorhiza fuchsii	Common Spotted-orchid	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Dactylorhiza fuchsii	Common Spotted-orchid	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Deschampsia cespitosa	Deschampsia cespitosa	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	LF Abundance Individuals (DAFOR)
Deschampsia cespitosa	Deschampsia cespitosa	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Deschampsia cespitosa	Deschampsia cespitosa	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Eleocharis palustris	Common Spike-rush	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	LA Abundance Individuals (DAFOR)
Eleocharis palustris	Common Spike-rush	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Elytrigia repens	Common Couch	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	LA Abundance Individuals (DAFOR)
Elytrigia repens	Common Couch	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Epilobium ciliatum	American Willowherb	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	O Abundance Individuals (DAFOR)

Epilobium hirsutum	Great Willowherb	flowering plant	Moor End Meadow [Pond area]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	F Abundance 01 (DAFOR)
Epilobium hirsutum	Great Willowherb	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	LA Abundance Individuals (DAFOR)
Epilobium hirsutum	Great Willowherb	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Epilobium hirsutum	Great Willowherb	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	L Abundance Individuals (DAFOR)
Fagus sylvatica	Beech	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Fagus sylvatica	Beech	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Fagus sylvatica	Beech	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	O Abundance Individuals (DAFOR)
Festuca rubra	Red Fescue	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	F Abundance 01 (DAFOR)
Festuca rubra	Red Fescue	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Festuca rubra	Red Fescue	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	F Abundance Individuals (DAFOR)
Festuca rubra	Red Fescue	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	A Abundance Individuals (DAFOR)
Filipendula ulmaria	Meadowsweet	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Filipendula ulmaria	Meadowsweet	flowering plant	Moor End Meadow [Pond area]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Filipendula ulmaria	Meadowsweet	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Filipendula vulgaris	Dropwort	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Fraxinus excelsior	Ash	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	F Abundance 01 (DAFOR)
Fraxinus excelsior	Ash	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)

Fraxinus excelsior	Ash	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	O Abundance Individuals (DAFOR)
Galeopsis tetrahit	Common Hemp-nettle	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	O Abundance Individuals (DAFOR)
Galium aparine	Cleavers	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Galium aparine	Cleavers	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	LF Abundance Individuals (DAFOR)
Galium aparine	Cleavers	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Galium aparine	Cleavers	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	O Abundance Individuals (DAFOR)
Geranium dissectum	Cut-leaved Crane's-bill	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Geranium robertianum	Herb-Robert	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Geranium robertianum	Herb-Robert	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Geum rivale	Water Avens	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	L Abundance Individuals (DAFOR)
Geum urbanum	Wood Avens	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	F Abundance 01 (DAFOR)
Geum urbanum	Wood Avens	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Glechoma hederacea	Ground-ivy	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Glechoma hederacea	Ground-ivy	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Glyceria fluitans	Floating Sweet-grass	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	L Abundance Individuals (DAFOR)

Glyceria maxima	Reed Sweet-grass	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Glyceria notata	Plicate Sweet-grass	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LA Abundance Individuals (DAFOR)
Hedera helix	Ivy	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Hedera helix	Ivy	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	O Abundance Individuals (DAFOR)
Heracleum sphondylium	Hogweed	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Heracleum sphondylium	Hogweed	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	F Abundance 01 (DAFOR)
Heracleum sphondylium	Hogweed	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	O Abundance Individuals (DAFOR)
Heracleum sphondylium	Hogweed	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Heracleum sphondylium	Hogweed	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	R Abundance Individuals (DAFOR)
Holcus lanatus	Yorkshire-fog	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Holcus lanatus	Yorkshire-fog	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Holcus lanatus	Yorkshire-fog	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	A Abundance Individuals (DAFOR)
Holcus lanatus	Yorkshire-fog	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LA Abundance Individuals (DAFOR)
Holcus lanatus	Yorkshire-fog	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	A Abundance Individuals (DAFOR)
Hyacinthoides non-scripta	Bluebell	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Hyacinthoides non-scripta	Bluebell	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	O Abundance Individuals (DAFOR)

Hyacinthoides non-scripta	Bluebell	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	R Abundance Individuals (DAFOR)
Hypericum perforatum	Perforate St John's-wort	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	F Abundance 01 (DAFOR)
Hypochaeris radicata	Cat's-ear	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Hypochaeris radicata	Cat's-ear	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	O Abundance Individuals (DAFOR)
Hypochaeris radicata	Cat's-ear	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Ilex aquifolium	Holly	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LA Abundance Individuals (DAFOR)
Impatiens glandulifera	Indian Balsam	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Iris pseudacorus	Yellow Iris	flowering plant	Moor End Meadow [Pond area]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	F Abundance 01 (DAFOR)
Iris pseudacorus	Yellow Iris	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Iris pseudacorus	Yellow Iris	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Juncus acutiflorus	Sharp-flowered Rush	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Juncus articulatus	Jointed Rush	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Juncus bufonius	Toad Rush	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Juncus conglomeratus	Compact Rush	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Juncus conglomeratus	Compact Rush	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Juncus effusus	Soft-rush	flowering plant	Moor End Meadow [Pond area]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)

Juncus effusus	Soft-rush	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	LA Abundance Individuals (DAFOR)
Juncus effusus	Soft-rush	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Juncus effusus	Soft-rush	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Juncus inflexus	Hard Rush	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LA Abundance Individuals (DAFOR)
Laburnum anagyroides	Laburnum	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	O Abundance Individuals (DAFOR)
Lagarosiphon major	Curly Waterweed	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Lamiastrum galeobdolon	Yellow Archangel	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Lamium album	White Dead-nettle	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Lamium album	White Dead-nettle	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	O Abundance Individuals (DAFOR)
Lapsana communis	Nipplewort	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	O Abundance Individuals (DAFOR)
Lathyrus pratensis	Meadow Vetchling	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Lathyrus pratensis	Meadow Vetchling	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	F Abundance 01 (DAFOR)
Lathyrus pratensis	Meadow Vetchling	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	L Abundance Individuals (DAFOR)
Lemna minor	Common Duckweed	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	LA Abundance Individuals (DAFOR)
Lemna minor	Common Duckweed	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Lemna trisulca	Ivy-leaved Duckweed	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)

Leontodon autumnalis	Autumn Hawkbit	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	O Abundance Individuals (DAFOR)
Leucanthemum vulgare	Oxeye Daisy	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Leucanthemum vulgare	Oxeye Daisy	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Leucanthemum vulgare	Oxeye Daisy	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Lolium perenne	Perennial Rye-grass	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Lolium perenne	Perennial Rye-grass	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	LF Abundance Individuals (DAFOR)
Lolium perenne	Perennial Rye-grass	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	A Abundance Individuals (DAFOR)
Lolium perenne	Perennial Rye-grass	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LA Abundance Individuals (DAFOR)
Lotus corniculatus	Common Bird's-foot-trefoil	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	F Abundance 01 (DAFOR)
Lotus corniculatus	Common Bird's-foot-trefoil	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Lotus corniculatus	Common Bird's-foot-trefoil	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	O Abundance Individuals (DAFOR)
Lotus corniculatus	Common Bird's-foot-trefoil	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LA Abundance Individuals (DAFOR)
Lotus pedunculatus	Greater Bird's-foot-trefoil	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Luzula campestris	Field Wood-rush	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	F Abundance 01 (DAFOR)
Luzula campestris	Field Wood-rush	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Lychnis flos-cuculi	Ragged-Robin	flowering plant	Moor End Meadow [Pond area]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Lychnis flos-cuculi	Ragged-Robin	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Lythrum salicaria	Purple-loosestrife	flowering plant	Moor End Meadow [Pond area]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)

Medicago lupulina	Black Medick	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Medicago lupulina	Black Medick	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	L Abundance Individuals (DAFOR)
Mentha aquatica	Water Mint	flowering plant	Moor End Meadow [Pond area]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Mentha aquatica	Water Mint	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Mercurialis perennis	Dog's Mercury	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Myosotis arvensis	Field Forget-me-not	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Myosotis laxa	Tufted Forget-me-not	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	LF Abundance Individuals (DAFOR)
Myosotis laxa	Tufted Forget-me-not	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Myosotis scorpioides	Water Forget-me-not	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Narcissus pseudonarcissus	Narcissus pseudonarcissus subsp. pseudonarcissus	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	R Abundance Individuals (DAFOR)
Nymphaea alba	White Water-lily	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Orchis mascula	Early-purple Orchid	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Pastinaca sativa	Wild Parsnip	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Persicaria amphibia	Amphibious Bistort	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	LA Abundance Individuals (DAFOR)
Persicaria maculosa	Redshank	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Phalaris arundinacea	Reed Canary-grass	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)

Phleum pratense	Timothy	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	LF Abundance Individuals (DAFOR)
Pimpinella major	Greater Burnet-saxifrage	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	LF Abundance Individuals (DAFOR)
Plantago lanceolata	Ribwort Plantain	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Plantago lanceolata	Ribwort Plantain	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Plantago lanceolata	Ribwort Plantain	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	O Abundance Individuals (DAFOR)
Plantago lanceolata	Ribwort Plantain	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	A Abundance Individuals (DAFOR)
Plantago major	Greater Plantain	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Plantago major	Greater Plantain	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Plantago major	Greater Plantain	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	O Abundance Individuals (DAFOR)
Plantago major	Greater Plantain	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Plantago major	Greater Plantain	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	L Abundance Individuals (DAFOR)
Poa annua	Annual Meadow-grass	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Poa annua	Annual Meadow-grass	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Poa pratensis	Smooth Meadow-grass	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Poa pratensis	Smooth Meadow-grass	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Poa trivialis	Rough Meadow-grass	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Poa trivialis	Rough Meadow-grass	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	A Abundance 01 (DAFOR)

Poa trivialis	Rough Meadow-grass	flowering plant	Moor End Meadow [Pond area]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	F Abundance 01 (DAFOR)
Poa trivialis	Rough Meadow-grass	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Populus alba	White Poplar	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Populus nigra 'Italica'	Lombardy-Poplar	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Populus x canadensis 'Serotina'	Poplar	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Potamogeton natans	Broad-leaved Pondweed	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Potentilla anserina	Silverweed	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	LF Abundance Individuals (DAFOR)
Potentilla anserina	Silverweed	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Potentilla anserina	Silverweed	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	L Abundance Individuals (DAFOR)
Potentilla reptans	Creeping Cinquefoil	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Primula veris	Cowslip	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	F Abundance 01 (DAFOR)
Primula veris	Cowslip	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	R Abundance Individuals (DAFOR)
Prunella vulgaris	Selfheal	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	F Abundance 01 (DAFOR)
Prunella vulgaris	Selfheal	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Prunella vulgaris	Selfheal	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Prunus avium	Wild Cherry	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)

Prunus avium	Wild Cherry	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Prunus domestica	Wild Plum	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	O Abundance Individuals (DAFOR)
Prunus spinosa	Blackthorn	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Prunus spinosa	Blackthorn	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Quercus petraea x robur = Q. x rosacea	Hybrid Oak	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Quercus petraea x robur = Q. x rosacea	Hybrid Oak	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	O Abundance Individuals (DAFOR)
Quercus robur	Pedunculate Oak	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Quercus robur	Pedunculate Oak	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Ranunculus acris	Meadow Buttercup	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Ranunculus acris	Meadow Buttercup	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	F Abundance 01 (DAFOR)
Ranunculus acris	Meadow Buttercup	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LA Abundance Individuals (DAFOR)
Ranunculus bulbosus	Bulbous Buttercup	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	F Abundance 01 (DAFOR)
Ranunculus bulbosus	Bulbous Buttercup	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Ranunculus ficaria	Lesser Celandine	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	F Abundance 01 (DAFOR)
Ranunculus ficaria	Lesser Celandine	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Ranunculus flammula	Lesser Spearwort	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	LF Abundance Individuals (DAFOR)

Ranunculus peltatus	Pond Water-crowfoot	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Ranunculus repens	Creeping Buttercup	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	F Abundance 01 (DAFOR)
Ranunculus repens	Creeping Buttercup	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Ranunculus repens	Creeping Buttercup	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	LA Abundance Individuals (DAFOR)
Ranunculus repens	Creeping Buttercup	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Ranunculus repens	Creeping Buttercup	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LA Abundance Individuals (DAFOR)
Ranunculus sceleratus	Celery-leaved Buttercup	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	L Abundance Individuals (DAFOR)
Ranunculus sceleratus	Celery-leaved Buttercup	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	O Abundance Individuals (DAFOR)
Reseda luteola	Weld	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	R Abundance Individuals (DAFOR)
Rorippa nasturtium-aquaticum	Water-cress	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Rorippa nasturtium-aquaticum	Water-cress	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Rosa canina	Dog-rose	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Rosa canina	Dog-rose	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Rosa canina	Dog-rose	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	O Abundance Individuals (DAFOR)
Rubus fruticosus agg.	Bramble	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Rubus fruticosus agg.	Bramble	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	LF Abundance Individuals (DAFOR)

Rubus fruticosus agg.	Bramble	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Rubus fruticosus agg.	Bramble	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	L Abundance Individuals (DAFOR)
Rumex acetosa	Common Sorrel	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	A Abundance 01 (DAFOR)
Rumex acetosa	Common Sorrel	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	O Abundance Individuals (DAFOR)
Rumex acetosa	Common Sorrel	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	A Abundance Individuals (DAFOR)
Rumex crispus	Curled Dock	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Rumex crispus	Curled Dock	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	L Abundance Individuals (DAFOR)
Rumex maritimus	Golden Dock	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	LF Abundance Individuals (DAFOR)
Rumex obtusifolius	Broad-leaved Dock	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Rumex obtusifolius	Broad-leaved Dock	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Rumex obtusifolius	Broad-leaved Dock	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	LF Abundance Individuals (DAFOR)
Rumex obtusifolius	Broad-leaved Dock	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Rumex obtusifolius	Broad-leaved Dock	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Rumex sanguineus	Wood Dock	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	LA Abundance Individuals (DAFOR)
Rumex sanguineus	Wood Dock	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Salix	Salix	flowering plant	Moor End Meadow [Pond area]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)

Salix caprea	Goat Willow	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Salix caprea	Goat Willow	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	O Abundance Individuals (DAFOR)
Salix cinerea	Grey Willow	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	LF Abundance Individuals (DAFOR)
Salix cinerea	Grey Willow	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Salix cinerea	Grey Willow	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	O Abundance Individuals (DAFOR)
Salix fragilis	Crack-willow	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Salix viminalis x caprea = S. x smithiana	Broad-leaved Osier	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	R Abundance Individuals (DAFOR)
Sambucus nigra	Elder	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	F Abundance 01 (DAFOR)
Sambucus nigra	Elder	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	O Abundance Individuals (DAFOR)
Sambucus nigra	Elder	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Sambucus nigra	Elder	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	O Abundance Individuals (DAFOR)
Sanguisorba officinalis	Great Burnet	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	LF Abundance 01 (DAFOR)
Scrophularia auriculata	Water Figwort	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Scrophularia nodosa	Common Figwort	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	O Abundance Individuals (DAFOR)
Senecio jacobaea	Common Ragwort	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Senecio jacobaea	Common Ragwort	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)

Senecio jacobaea	Common Ragwort	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	O Abundance Individuals (DAFOR)
Senecio jacobaea	Common Ragwort	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	R Abundance Individuals (DAFOR)
Silene dioica	Red Campion	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Silene latifolia	White Campion	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	O Abundance Individuals (DAFOR)
Solanum dulcamara	Bittersweet	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	O Abundance Individuals (DAFOR)
Sonchus arvensis	Perennial Sow-thistle	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Sonchus oleraceus	Smooth Sow-thistle	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Sorbus aria agg.	Sorbus aria agg.	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Sorbus aucuparia	Rowan	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Sorbus aucuparia	Rowan	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Sparganium erectum	Branched Bur-reed	flowering plant	Moor End Meadow [Pond area]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Sparganium erectum	Branched Bur-reed	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Stachys officinalis	Betony	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Stachys officinalis	Betony	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Stachys sylvatica	Hedge Woundwort	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Stachys sylvatica	Hedge Woundwort	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)

Stellaria media	Common Chickweed	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Stellaria media	Common Chickweed	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Tamus communis	Black Bryony	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	O Abundance Individuals (DAFOR)
Tanacetum vulgare	Tansy	flowering plant	Moor End Meadow [Pond area]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Taraxacum officinale agg.	Dandelion	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Taraxacum officinale agg.	Dandelion	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Taraxacum officinale agg.	Dandelion	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	O Abundance Individuals (DAFOR)
Taraxacum officinale agg.	Dandelion	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	O Abundance Individuals (DAFOR)
Tilia platyphyllos x cordata = T. x europaea	Lime	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Trifolium dubium	Lesser Trefoil	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Trifolium medium	Zigzag Clover	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	O Abundance Individuals (DAFOR)
Trifolium pratense	Red Clover	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Trifolium pratense	Red Clover	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LA Abundance Individuals (DAFOR)
Trifolium repens	White Clover	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Trifolium repens	White Clover	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	L Abundance Individuals (DAFOR)
Trifolium repens	White Clover	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LA Abundance Individuals (DAFOR)
Trifolium repens	White Clover	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)

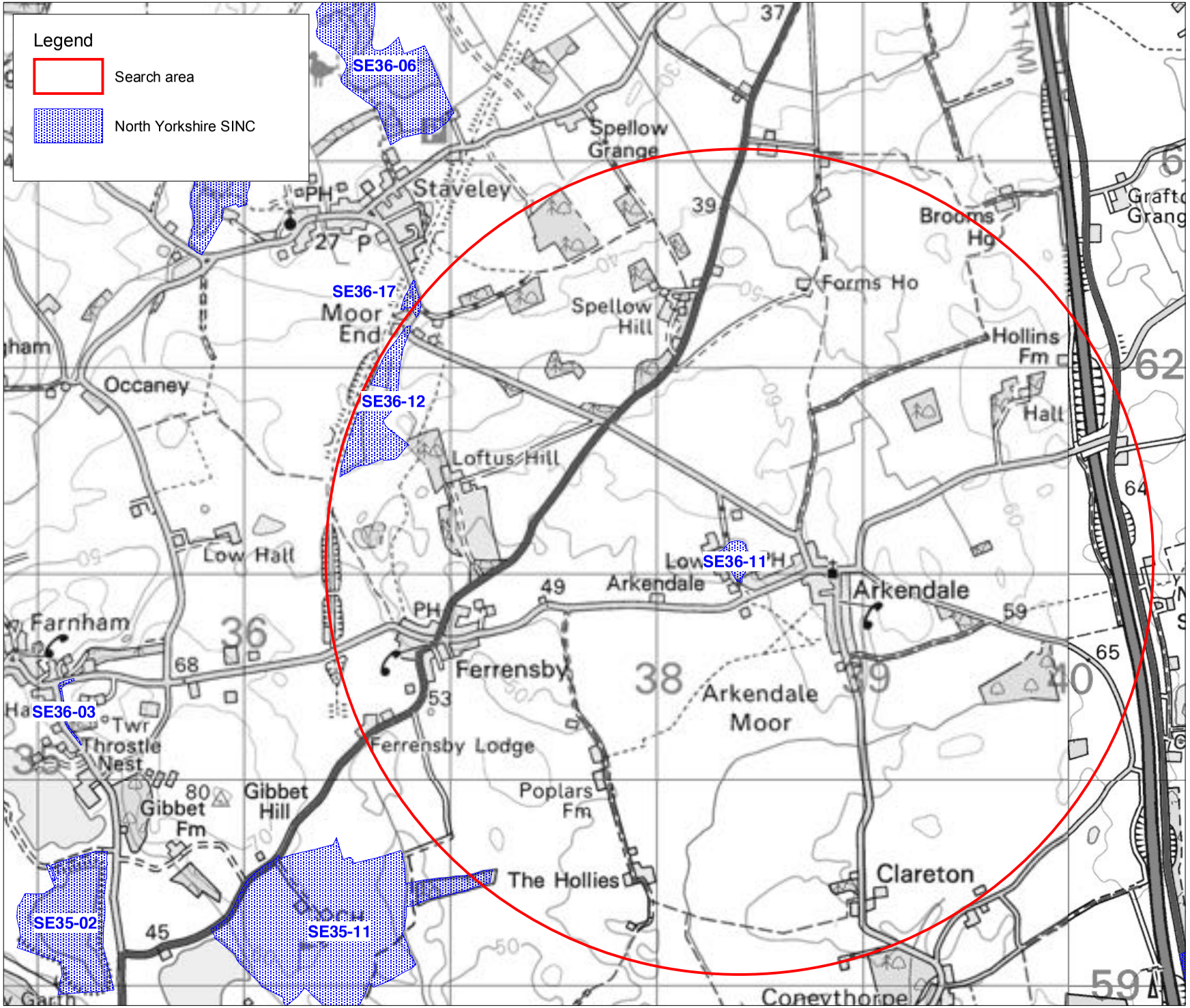
Tripleurospermum inodorum	Scentless Mayweed	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	O Abundance Individuals (DAFOR)
Tussilago farfara	Colt's-foot	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	O Abundance Individuals (DAFOR)
Typha latifolia	Bulrush	flowering plant	Moor End Meadow [Pond area]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	A Abundance 01 (DAFOR)
Typha latifolia	Bulrush	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	LA Abundance Individuals (DAFOR)
Typha latifolia	Bulrush	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Ulex europaeus	Gorse	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	R Abundance Individuals (DAFOR)
Ulmus	Ulmus	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Ulmus glabra	Wych Elm	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Ulmus glabra	Wych Elm	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	L Abundance Individuals (DAFOR)
Ulmus procera	English Elm	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	L Abundance Individuals (DAFOR)
Urtica dioica	Common Nettle	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Urtica dioica	Common Nettle	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	R Abundance 01 (DAFOR)
Urtica dioica	Common Nettle	flowering plant	The Mar, Arkendale	SE384610	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	23/08/2000	LA Abundance Individuals (DAFOR)
Urtica dioica	Common Nettle	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Urtica dioica	Common Nettle	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	L Abundance Individuals (DAFOR)
Valeriana dioica	Marsh Valerian	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	O Abundance Individuals (DAFOR)

Veronica anagallis-aquatica	Blue Water-Speedwell	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	O Abundance Individuals (DAFOR)
Veronica beccabunga	Brooklime	flowering plant	Moor End Meadow [Pond area]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Veronica beccabunga	Brooklime	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Veronica catenata	Pink Water-Speedwell	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	L Abundance Individuals (DAFOR)
Veronica chamaedrys	Germander Speedwell	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	F Abundance 01 (DAFOR)
Veronica chamaedrys	Germander Speedwell	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	F Abundance 01 (DAFOR)
Veronica chamaedrys	Germander Speedwell	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	O Abundance Individuals (DAFOR)
Veronica persica	Common Field-speedwell	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	R Abundance Individuals (DAFOR)
Veronica serpyllifolia	Thyme-leaved Speedwell	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	F Abundance 01 (DAFOR)
Veronica serpyllifolia	Thyme-leaved Speedwell	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	R Abundance Individuals (DAFOR)
Veronica serpyllifolia	Thyme-leaved Speedwell	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	L Abundance Individuals (DAFOR)
Viburnum opulus	Guelder-rose	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Vicia cracca	Tufted Vetch	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Vicia cracca	Tufted Vetch	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Vicia cracca	Tufted Vetch	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	L Abundance Individuals (DAFOR)
Vicia sativa	Common Vetch	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	R Abundance Individuals (DAFOR)
Vicia sepium	Bush Vetch	flowering plant	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)

Vicia sepium	Bush Vetch	flowering plant	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Vicia sepium	Bush Vetch	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	LF Abundance Individuals (DAFOR)
Vicia sepium	Bush Vetch	flowering plant	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	L Abundance Individuals (DAFOR)
Viola riviniana	Common Dog-violet	flowering plant	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	O Abundance Individuals (DAFOR)
Equisetum arvense	Field Horsetail	horsetail	Moor End Meadow [Meadow]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Equisetum arvense	Field Horsetail	horsetail	Moor End Meadow [Railway embankment]	SE368623	neyedc.org.uk	North Yorkshire SINC survey - 2010	Moss, Louise (Ms)	09/06/2010	O Abundance 01 (DAFOR)
Equisetum arvense	Field Horsetail	horsetail	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	L Abundance Individuals (DAFOR)
Equisetum fluviatile	Water Horsetail	horsetail	Staveley Pasture and Marsh	SE367618	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	09/06/2000	LF Abundance Individuals (DAFOR)
Maniola jurtina	Meadow Brown	insect - butterfly	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	
Arvicola amphibius	European Water Vole	terrestrial mammal	Boroughbridge	SE36	neyedc.org.uk	Yorkshire water vole records (positive)	Unknown	29/06/1974	
Meles meles	Eurasian Badger	terrestrial mammal	Ferrensby	SE366611	neyedc.org.uk	Ecological Consultant Survey Data: Smeeden Foreman Ltd	Surveyor [Smeeden Foreman]	25/09/2015	
Myotis	Unidentified Bat	terrestrial mammal	Ferrensby	SE366611	neyedc.org.uk	Ecological Consultant Survey Data: Smeeden Foreman Ltd	Surveyor [Smeeden Foreman]	25/09/2015	
Myotis	Unidentified Bat	terrestrial mammal	Ferrensby	SE366611	neyedc.org.uk	Ecological Consultant Survey Data: Smeeden Foreman Ltd	Surveyor [Smeeden Foreman]	24/09/2015	
Myotis	Unidentified Bat	terrestrial mammal	Ferrensby	SE366611	neyedc.org.uk	Ecological Consultant Survey Data: Smeeden Foreman Ltd	Surveyor [Smeeden Foreman]	26/08/2015	
Myotis	Unidentified Bat	terrestrial mammal	Ferrensby	SE366611	neyedc.org.uk	Ecological Consultant Survey Data: Smeeden Foreman Ltd	Surveyor [Smeeden Foreman]	22/07/2015	
Myotis	Unidentified Bat	terrestrial mammal	Ferrensby	SE366611	neyedc.org.uk	Ecological Consultant Survey Data: Smeeden Foreman Ltd	Surveyor [Smeeden Foreman]	16/06/2015	
Myotis	Unidentified Bat	terrestrial mammal	Ferrensby	SE366611	neyedc.org.uk	Ecological Consultant Survey Data: Smeeden Foreman Ltd	Surveyor [Smeeden Foreman]	21/05/2015	

Nyctalus noctula	Noctule Bat	terrestrial mammal	Ferrensby	SE366611	neyedc.org.uk	Ecological Consultant Survey Data: Smeeden Foreman Ltd	Surveyor [Smeeden Foreman]	26/08/2015	
Nyctalus noctula	Noctule Bat	terrestrial mammal	Ferrensby	SE366611	neyedc.org.uk	Ecological Consultant Survey Data: Smeeden Foreman Ltd	Surveyor [Smeeden Foreman]	22/07/2015	
Nyctalus noctula	Noctule Bat	terrestrial mammal	Ferrensby	SE366611	neyedc.org.uk	Ecological Consultant Survey Data: Smeeden Foreman Ltd	Surveyor [Smeeden Foreman]	16/06/2015	
Nyctalus noctula	Noctule Bat	terrestrial mammal	Ferrensby	SE366611	neyedc.org.uk	Ecological Consultant Survey Data: Smeeden Foreman Ltd	Surveyor [Smeeden Foreman]	21/05/2015	
Oryctolagus cuniculus	European Rabbit	terrestrial mammal	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	
Pipistrellus	Pipistrellus	terrestrial mammal	Yorkshire	SE35	neyedc.org.uk	Bat records from The Naturalist	Unknown	1979 - 1989	
Pipistrellus pipistrellus	Common Pipistrelle	terrestrial mammal	Ferrensby	SE366611	neyedc.org.uk	Ecological Consultant Survey Data: Smeeden Foreman Ltd	Surveyor [Smeeden Foreman]	24/09/2015	
Pipistrellus pipistrellus	Common Pipistrelle	terrestrial mammal	Ferrensby	SE366611	neyedc.org.uk	Ecological Consultant Survey Data: Smeeden Foreman Ltd	Surveyor [Smeeden Foreman]	26/08/2015	
Pipistrellus pipistrellus	Common Pipistrelle	terrestrial mammal	Ferrensby	SE366611	neyedc.org.uk	Ecological Consultant Survey Data: Smeeden Foreman Ltd	Surveyor [Smeeden Foreman]	22/07/2015	
Pipistrellus pipistrellus	Common Pipistrelle	terrestrial mammal	Ferrensby	SE366611	neyedc.org.uk	Ecological Consultant Survey Data: Smeeden Foreman Ltd	Surveyor [Smeeden Foreman]	16/06/2015	
Pipistrellus pipistrellus	Common Pipistrelle	terrestrial mammal	Ferrensby	SE366611	neyedc.org.uk	Ecological Consultant Survey Data: Smeeden Foreman Ltd	Surveyor [Smeeden Foreman]	21/05/2015	
Pipistrellus pygmaeus	Soprano Pipistrelle	terrestrial mammal	Ferrensby	SE366611	neyedc.org.uk	Ecological Consultant Survey Data: Smeeden Foreman Ltd	Surveyor [Smeeden Foreman]	24/09/2015	
Pipistrellus pygmaeus	Soprano Pipistrelle	terrestrial mammal	Ferrensby	SE366611	neyedc.org.uk	Ecological Consultant Survey Data: Smeeden Foreman Ltd	Surveyor [Smeeden Foreman]	26/08/2015	
Pipistrellus pygmaeus	Soprano Pipistrelle	terrestrial mammal	Ferrensby	SE366611	neyedc.org.uk	Ecological Consultant Survey Data: Smeeden Foreman Ltd	Surveyor [Smeeden Foreman]	22/07/2015	
Pipistrellus pygmaeus	Soprano Pipistrelle	terrestrial mammal	Ferrensby	SE366611	neyedc.org.uk	Ecological Consultant Survey Data: Smeeden Foreman Ltd	Surveyor [Smeeden Foreman]	16/06/2015	
Pipistrellus pygmaeus	Soprano Pipistrelle	terrestrial mammal	Ferrensby	SE366611	neyedc.org.uk	Ecological Consultant Survey Data: Smeeden Foreman Ltd	Surveyor [Smeeden Foreman]	21/05/2015	

Plecotus auritus	Brown Long-eared Bat	terrestrial mammal	Ferrensby	SE366611	neyedc.org.uk	Ecological Consultant Survey Data: Smeeden Foreman Ltd	Surveyor [Smeeden Foreman]	24/09/2015	
Plecotus auritus	Brown Long-eared Bat	terrestrial mammal	Ferrensby	SE366611	neyedc.org.uk	Ecological Consultant Survey Data: Smeeden Foreman Ltd	Surveyor [Smeeden Foreman]	22/07/2015	
Talpa europaea	European Mole	terrestrial mammal	Knaresborough Golf Course	SE364592	neyedc.org.uk	North Yorkshire SINC survey - 2004 and before	Wilmore, Geoffrey (Mr)	01/08/2000	
Vespertilionidae	Bats	terrestrial mammal	Ferrensby	SE366611	neyedc.org.uk	Ecological Consultant Survey Data: Smeeden Foreman Ltd	Surveyor [Smeeden Foreman]	25/09/2015	



Client: Lobo Ecology

Client Ref: The Mar

Our Ref: E02709

Description: Map showing nature conservation sites within the search area

Scope of search: 2km radius from SE 384 610

Scale: 1: 25,000 when printed at A4

Date produced: 03/03/2017

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