

Appendix 6.1: Ecology Annexes

Part 1a: NVC Compartment Descriptions

Compartment 1

1. This area consists of ground which slopes gently uphill to the south-east from where the site entrance is located along Carrickayne Road to the location of T1, and forms the north-western 'leg' of the application area and includes the proposed locations of the Control Building and Substation Compound, Temporary Construction Compound and Energy Storage Compound.
2. The northern-most part of this compartment consists of M19 *Calluna vulgaris*-*Eriophorum vaginatum* blanket mire which is subjected to light grazing pressure and supports a good cover (40%) of the peat-forming *Sphagnum capillifolium* and *S. papillosum* (Q76); within this habitat lies an approximately rectangular area of cutover bog (Q75) which supports M25 *Molinia caerulea*-*Potentilla erecta* mire where the cover of peat-forming *S. capillifolium* and *S. papillosum* is very low.
3. Continuing to the south-south-east and upslope, the presence of former cutover mire and an increasing number of drainage channels mark the surface of M19 blanket mire with a resulting decrease in the cover of peat-forming *Sphagnum* to 15% (Q1 - Q3) and localised increase in the cover of *Calluna vulgaris* (Q2).
4. M19 blanket mire continues to the south-south-east with a continued decline in the cover of peat-forming *Sphagnum* to 10%, a decrease in *Calluna* cover and an increase in the presence of *Molinia caerulea* which forms small pockets within the sward (Q4), eventually resulting in a habitat mosaic between M20 *Eriophorum vaginatum* blanket and raised mire and M25 mire (Q5) where thatch at the base of the sward is quite dense, owing to the deciduous nature of *Molinia* leaves.
5. Mire habitat transitions into rush-pasture habitat marked by a mosaic between M23b *Juncus effusus*/*acutiflorus*-*Galium palustre* rush-pasture, *Juncus effusus* sub-community and MG10 *Holcus lanatus*-*Juncus effusus* rush-pasture over an area of shallow peat (Q6) which transitions southward into MG10 rush-pasture close to the location of T1 (Q8 & Q77).

Compartment 2

6. Compartment 2 comprises an approximately U-shaped area which spans lands between T1 and the proposed track route extending to the north-east of T3, incorporating T2 and T3 along its route.
7. To the south of T1, MG10 rush-pasture is present (Q7) which is contiguous with that present at the end of Compartment 1 at Q8.
8. Continuing upslope and to the south-east, a series of habitat mosaics are present between T1 and T2 including a mosaic of wet heath and unclassified acid grassland on shallow peat (Q9); a mosaic of M19 blanket mire and M25 rush-pasture within which a vein of M23b rush-pasture is present (Q10); unclassified wet heath which corresponds broadly to M19 mire vegetation on shallow peat (Q11); and M19 blanket mire (Q12). *Sphagnum* cover is low/absent and *Calluna* cover relatively high at Q16 and Q79 owing to an increase in the density of artificial drainage ditches within these areas.

9. A relatively narrow band of M23a rush-pasture in a mosaic with acid grassland (where *Molinia* dominates the grassland component) crosses the infrastructure route as the it turns from an easterly to north-easterly orientation (Q80), continuing to T3 where the vegetation transitions into a mosaic of M19 mire and U2 acid grassland where *Deschampsia flexuosa* dominates the grassland component (Q81).
10. From Q82 north-eastwards the proposed infrastructure route traverses a series of long 'fields' which are oriented north-west to south-east i.e. downslope, each differing slightly in parameters such as grazing pressure and extent of artificial drainage. A mosaic of M23a and M23b rush-pasture communities occur in a mosaic with each other and with M20 blanket mire at Q82, with M23b rush-pasture forming the greater component of the mosaic; in some localised areas M23b rush-pasture dominates entirely e.g. at Q70.
11. At Q83 shallower peats result in the vegetation transitioning into a mosaic of unclassified wet heath and U2 *Deschampsia flexuosa* grassland, this being associated with the margins of an artificial drainage ditch (the former essentially M20 mire vegetation on shallow peat).
12. The next 'field' to the north-east is marked by a mosaic of M23a *Juncus effusus/acutiflorus-Galium palustre* rush-pasture, *Juncus acutiflorus* sub-community and MG10 rush-pasture which is traversed by numerous artificial drainage ditches (Q84) which transitions into a series of habitat mosaics including a narrow, marginally drier mosaic of unclassified wet heath and unclassified acid grassland within which *Festuca ovina* is dominant (Q25) and a mosaic between unclassified wet heath and U4 *Festuca ovina-Agrostis capillaris-Galium saxatile* grassland (Q26). M20 mire also bisects these wet heath and acid grassland mosaics a short distance to the east and north-east of Q26.
13. The north-eastern margin of the same 'field' is marked by a transition into a mosaic of M20 mire and unclassified wet heath, the latter comprising the same vegetation as M20 but on shallower peat and supporting no peat-forming *Sphagna* (Q27); this mosaic continues through much of the next 'field' and is occasionally broken by patches of rush-pasture which are themselves a mosaic of species-poor M23b and MG10 rush-pasture types (Q28). The north-eastern margin of this field is delineated by deeper peat and a transition briefly into M20 mire within which *Juncus effusus* is present as occasional tussocks and peat-forming *Sphagna* are largely absent (Q29).
14. The next adjoining field to the north-west supports M19 mire, and within which peat-forming *Sphagna* are again largely absent (Q30).

Compartment 3

15. Compartment 3 comprises a 'leg' of the application boundary which extends from T7 to the south-south-east, to T8. This section consists primarily of M19 mire within which grazing pressure is low and peat-forming *Sphagna* are frequent to absent (Q57, Q58 and Q71 - Q74). The southern limit of this 'leg', a short distance to the south of T8, supports a band of rush-pasture which is a mosaic of M23b and MG10 vegetation types (Q59) which transitions into M20 blanket mire to the immediate south.

Compartment 4

16. This compartment comprises the area to the west-south-west of Q57 where the proposed locations for T4 and T5 are situated. M19 mire is contiguous with that at Q57 and extends to the south-west, supporting little to no peat-forming *Sphagna* (Q60 & Q63). An area of shallow peat and former cutover bog to the north-west of T5 results in transitions to unclassified wet heath in this area (Q61 & Q64) which equates to M19 or M20 vegetation on shallow peat, and to a mosaic of M20 mire and unclassified wet heath owing to variable peat depth (Q62). Grazing pressure is moderate to high in this area, with *Calluna* being absent in those areas subjected to highest grazing pressure e.g. at Q62.
17. Continuing south-west towards T4, increasingly dry and shallow peat conditions towards the summit of Mullaghecarbatagh Mountain and on its north-eastern side are marked by the presence of boulder-strewn slopes and H12 *Calluna vulgaris*-*Vaccinium myrtillus* heath (Q65 & Q66) where *V. myrtillus* and *Calluna* dominate over a carpet of pleurocarpous mosses including *Rhytidiadelphus loreus*, *Pleurozium schreberi* and *Hylocomium splendens*. Grazing pressure is very low within this part of the application area, most likely owing to very uneven ground conditions and a relative scarcity of graminoids.
18. T4 and its vicinity supports peat of varying depths, resulting in the presence of a mosaic between M20 mire (on deeper areas of peat) and H12 heath (on areas of shallow peat).

Compartment 5

19. This compartment encompasses an 'arm' which extends from Q66 to the south-east, to T5 which supports dry heath which is contiguous with that at Q66, this transitioning into wetter heath resembling M19 vegetation on shallow peat (Q67), before reverting again to H12 heath at and around T6 (Q68). Grazing pressure within Compartment 5 is low.

Compartment 6

20. This 'arm' of the application area forms an irregular undulating shape extending broadly to the north-east and encompasses the proposed locations of T9 and T10. It primarily supports M19 mire vegetation (Q56, Q51, Q49 & Q48) which is subjected to varying levels of grazing pressure from high (Q48 - Q50) to low (Q51 & Q56), and the western part of which is contiguous with that at Q57 and Q74 within Compartment 3. M19 mire habitat is traversed by a broad area of rush-pasture which is a mosaic of M23a and MG10 types (Q53 & Q54) which partially overlies an area of shallow peat with an open sward that is subjected to moderate grazing pressure; and by a broad band of M20 mire and unclassified wet heath mosaic which overlies peat of varying depth (Q52), within which areas of wet heath vegetation are visually identical to those of M20 mire and identifiable only by shallower peat depth. Grazing pressure in this area is moderate to high, resulting in an open sward and a well-developed bryophyte layer.

21. An area of shallow peat to the south of Q48 supports an area of unclassified wet heath which visually appears identical to M19 vegetation on shallow peat, which marks a hair-pin bend in the infrastructure route which leads to T10.
22. M19 mire is present at and in the vicinity of T10 (Q41) with grazing pressure low at this point, transitioning into M20 mire a short distance to the south where moderate to high grazing pressure has removed *Calluna* from much of the sward (Q47). *S. capillifolium* is occasionally present in small carpets in the vicinity of Q41 but reduces in frequency to the south as grazing pressure increases, so that it is absent at Q47.
23. The south-eastern limit of M20 vegetation in the vicinity of Q47 is marked by a fence-line, beyond which a mosaic of M23b and MG10 rush-pasture types is present.

Compartment 7

24. This 'arm' extends broadly to the east and then abruptly northwards to the proposed location of T12. Its western limit supports an area of M19 mire and a mosaic of M23b and MG10 rush-pasture types, the latter contiguous with that at the eastern end of Section 6; these habitats transition eastward into a broad north-south oriented band of M23a and M23b rush-pasture communities which carpet the slopes of the Glengarrow River, particularly to its east (Q31); grazing pressure in this area is moderate to high. Upslope and to the east, rush-pasture transitions into M20 blanket mire (Q32) which is moderately grazed and within which *Calluna* is occasional to absent but peat-forming *Sphagna* are frequent, forming c.35% cover; and into M19 mire (Q33) where reduced grazing pressure allows *Calluna* cover to reach 40%.
25. The proposed infrastructure route turns abruptly to the north at this point, marked by an area of shallower peat where a band of H12 heath is present (Q34), this being most noticeable by a notable increase in *V. myrtillus* within the sward which is often grazed into characteristic cloud-shaped clumps through the moderate grazing pressure exerted by sheep. Increasing peat depth a short distance to the east is marked by a mosaic of M19 and M20 mire communities.
26. The northern edge of H12, M19 and M20 habitats is marked by the boundary of a field which supports M7 *Lolium perenne* leys and related pastures in its centre and margins which are a mosaic of M23a and MG10 rush-pasture communities (Q39).
27. To the north of this field, varying peat depths result in a complex mosaic of H21 *Calluna vulgaris*-*Vaccinium myrtillus*-*Sphagnum capillifolium* heath and M20 mire at and around the proposed location of T12 (Q40), and M19 mire and unclassified wet heath, the latter essentially M19 vegetation on shallow peat which therefore appears contiguous visually with adjacent M19 mire.

Compartment 8

28. The final 'arm' of the application area arcs to the south, from T12 and encompassing the proposed location of T11. Its north-western end is marked by a fine-scaled mosaic of M19 and M20 mire communities (Q38) which is contiguous with that at the eastern end of Compartment 7. Moderate grazing pressure in this area results in *Calluna* being present in varying quantities.

29. The majority of the remaining area within Compartment 8 supports M19 mire (Q35 & Q36), this being broken only by a band of M20 mire at and around the proposed location of T11 (Q37) and by a band of M23b rush-pasture at its south-western end. Peat-forming Sphagna are frequent (to 35% cover at Q35) at the northern end of this Compartment, becoming scarce to absent at its southern end (Q37).

Part 1b: NVC Turbine Locations

Turbine 1

1. The proposed location for Turbine 1 (T1) is towards the southeastern corner of the application area, on the north-western slope of Mullaghcarbatagh Mountain. It is situated within an extensive area of MG10 *Holcus lanatus*-*Juncus effusus* rush-pasture (Q7, Q8 & Q77) which is subjected to heavy sheep grazing pressure. Beyond the western fence-line of this habitat, an area of unclassified wet heath is present which appears visually identical to M19 *Calluna vulgaris*-*Eriophorum vaginatum* blanket mire but which overlies shallow peat.
2. The dominance of the mesotrophic grass *Holcus lanatus* in parts (up to 70% cover) alongside *Agrostis capillaris* (8% cover) and *Anthoxanthum odoratum* (to 40% cover) strongly indicate that this area has been intensively grazed as forbs are relatively sparse within this species-poor sward. The presence of mesotrophic grassland within an otherwise upland location also strongly indicates that at least some soil nutrient enrichment has taken place.

Turbine 2

3. The proposed location for T2 is situated on the north-western slope of Mullaghcarbatagh Mountain, a short distance to the south-east of T1. The location supports M19 blanket mire with 25% cover of the peat-forming *Sphagnum capillifolium* (Q16 & Q78). This area of mire habitat is relatively species-poor, possibly owing to an earlier fire event which has resulted in reduced species diversity within the sward and the presence of a relatively uniform age-class of *Calluna*.

Turbine 3

4. The proposed location for T3 is to the east-north-east of T2, situated within a mosaic of M23a *Juncus effusus*/*acutiflorus*-*Galium palustre* Rush-pasture, *Juncus acutiflorus* sub-community and acid grassland dominated by *Molinia* (Q80). The rush-pasture element of the mosaic is quite species-poor, and the grassland element comprises c.15% of the sward. Q80 is situated on the north-western slope of Mullaghcarbatagh Mountain which helps to explain the prevalence of rush-pasture habitat at this location.
5. Vegetation transitions into a mosaic of M19 *Calluna vulgaris*-*Eriophorum vaginatum* blanket mire and U2 grassland a short distance to the north-east of T3 (Q81), with the grassland element comprising c.15% of the sward.

Turbine 4

6. The proposed location for T4 is to the south of T3, on the upper part of the north-western slope of Mullaghcarbatagh Mountain. This location supports a mosaic of M20 *Eriophorum vaginatum* blanket and raised mire (on deeper areas of peat) and H12 *Calluna vulgaris*-*Vaccinium myrtillus* heath (on shallow areas of peat) at Q69. Areas of heath also support occasional emergent boulders. A moderate level of sheep grazing is present which limits the extent and height of dwarf shrub cover in places. No peat-forming *Sphagnum* are present at this location.

Turbine 5

7. The proposed location for T5 is to the north-east of T4, situated close to the north-western margin of an area of M19 blanket mire which is extensive to the east and north-east (Q60 & Q63); it is situated on the northern slope of Mullaghcarbatagh Mountain. The sward is dense owing to low grazing pressure from sheep.
8. Peat depth becomes shallower a short distance to the north-west, where M19 blanket mire then transitions into unclassified wet heath which is visually contiguous with M19 vegetation but which differs in being situated on peat with less than 50cm depth (Q62).

Turbine 6

9. The proposed location for T6 is to the south of T5 and east of T4, close to the summit of Mullaghcarbatagh Mountain on its northern side (Q68). This area supports H12 *Calluna vulgaris*-*Vaccinium myrtillus* heath which is often present with exposed bedrock and large boulders indicating very shallow peat depth and extreme exposure to the elements at this location. Grazing pressure from sheep is very low and as a result the cover of *Calluna* and *V. myrtillus* is complete at 100% cover with only a few graminoids and a single forb, *Galium saxatile*, present in between the shrubs.

Turbine 7

10. The proposed location for T7 is to the east of T5, near the base of the south-eastern slope of Mullaghcarbatagh. It is situated just beyond the southern margin of an extensive area of M19 blanket mire which extends northward to T7, westwards past T5 and eastward almost as far as T9, within a narrow band of species-poor rush-pasture which is a mosaic of M23b and MG10 rush-pasture communities (Q59).
11. It appears that the area has been subjected to at least some agricultural improvement in the past as *Holcus lanatus* is a mesotrophic species which thrives in high soil nutrient levels.

Turbine 8

12. The location of T8 is to the north-north-east of T7, situated on the lower part of the north-eastern slope of Mullaghcarbatagh and within a mosaic of M23a and MG10 rush-pasture communities (Q54) which are moderately grazed by sheep to create an open but species-poor sward. The abundance of *Holcus lanatus* (40% cover) strongly indicates at least some former nutrient enrichment of the area as this is a nutrient-loving mesotrophic grass species.

Turbine 9

13. The proposed location of T9 lies to the north-east of T8 on the lower part of the northern slope of Mullaghcarbatagh, within an area of M19 blanket mire (Q41). Moderate to low grazing pressure at this location allows *Calluna* cover to reach 45% although the sward is otherwise dominated primarily by graminoids (totalling 35% cover) with only a single forb species being present, *Potentilla erecta*. The peat-forming *S. capillifolium* is frequent within the sward.

Turbine 10

14. The proposed location of T10 is to the east-north-east of T9 and the north-north-west of T11, close to the north-eastern corner of the application area, to the east of the Glengarrow River and on the lower part of the northern slope of Mullaghclogher Mountain. It sits within an area of varying peat depth, resulting in the presence of a mosaic of M20 mire (on areas of deeper peat) and H21 heath (on areas of shallow peat) (Q40). Moderate to heavy grazing pressure has resulted in a very patchy, open sward with a well-developed bryophyte layer, an abundance of graminoids (total coverage 65%) and a relative scarcity of dwarf ericoid shrubs (total coverage 28%).

Turbine 11

15. The proposed location of T11 is situated in close proximity to the eastern boundary of the application area, to the east-south-east of T10 and to the east of the Glengarrow River, on the lower part of the northern slope of Mullaghclogher Mountain. It is situated within a band of M20 mire (Q37) where grazing pressure is moderate to high, resulting in *Calluna* being scarce to absent although its abundance does increase a short distance to the north and south, where M20 mire transitions into M19 blanket mire. Peat-forming *Sphagna* are sparse to absent at the proposed location of T11. The relative abundance of graminoids (including *E. vaginatum*) at Q37 (a combined cover of 87%) together with a very patchy and open sward with a well-developed bryophyte layer also strongly indicate significant grazing pressure at this location.

NVC Quadrats and Photos

| | | | | | |
|---------------------------------|----------|-------------------------------|---------------|----------|----------------|
| Quadrat no. | 1 | Date | 11th May 2023 | Grid Ref | H5013997054 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Eriophorum vaginatum</i> | 75 | <i>Sphagnum capillifolium</i> | 15 | | |
| <i>Eriophorum angustifolium</i> | 8 | <i>Hypnum jutlandicum</i> | 3 | | |
| <i>Calluna vulgaris</i> | 30 | <i>Campylopus flexuosus</i> | 1 | | |
| <i>Erica tetralix</i> | 3 | | | | |
| <i>Narthecium ossifragum</i> | 8 | Bare peat | 5 | | |

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|------------|-------------------------------|---------------|---|
| Photo nos. | 1 | Species Total | 8 |
| NVC Code | Site & Vegetation Description | | |
| M19 | Peat depth > 1 metre. | | |



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|---------------------------------|-------------------------------|---------------|-------------------------------|----------|----------------|
| Quadrat no. | 2 | Date | 11th May 2023 | Grid Ref | H5014896822 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | | %age cvr | Species | | %age cvr |
| <i>Calluna vulgaris</i> | | 80 | <i>Sphagnum capillifolium</i> | | 15 |
| <i>Eriophorum vaginatum</i> | | 40 | <i>Hypnum jutlandicum</i> | | 3 |
| <i>Eriophorum angustifolium</i> | | 10 | | | |
| <i>Erica tetralix</i> | | 3 | | | |
| <i>Narthecium ossifragum</i> | | 10 | | | |
| <i>Vaccinium myrtillus</i> | | 1 | | | |
| Photo nos. | 2 | Species Total | | | 8 |
| NVC Code | Site & Vegetation Description | | | | |
| M19 | Peat depth > 1 metre. | | | | |



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|--------------------------------|-------------------------------|-------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 3 | 11th May 2023 | H5015996661 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Eriophorum vaginatum</i> | 60 | <i>Sphagnum capillifolium</i> | 15 |
| <i>Calluna vulgaris</i> | 20 | <i>Hypnum jutlandicum</i> | 25 |
| <i>Narthecium ossifragum</i> | 40 | | |
| <i>Erica tetralix</i> | 8 | | |
| <i>Vaccinium myrtillus</i> | 3 | | |
| <i>Trichophorum germanicum</i> | 8 | | |
| | 3 | Species Total | 8 |
| NVC Code | Site & Vegetation Description | | |
| M19 | Peat depth > 1 metre. | | |



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|---------------------------------|----------|--|---------------|----------|----------------|
| Quadrat no. | 4 | Date | 11th May 2023 | Grid Ref | H500168965548 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Erica tetralix</i> | 25 | <i>Hypnum jutlandicum</i> | 15 | | |
| <i>Narthecium ossifragum</i> | 30 | <i>Campylopus flexuosus</i> | 2 | | |
| <i>Eriophorum vaginatum</i> | 45 | <i>Sphagnum papillosum</i> | 2 | | |
| <i>Calluna vulgaris</i> | 15 | <i>Sphagnum capillifolium</i> | 8 | | |
| <i>Eriophorum angustifolium</i> | 5 | | | | |
| <i>Molinia caerulea</i> | 8 | | | | |
| <i>Vaccinium myrtillus</i> | 3 | | | | |
| <i>Trichophorum germanicum</i> | 5 | | | | |
| Photo nos. | 4 | Species Total | 12 | | |
| NVC Code | M19 | Site & Vegetation Description | | | |
| | | Peat depth > 1 metre. Mosaic of M19 with small pockets dominated by <i>Molinia</i> and wetter areas where <i>Narthecium</i> present in sward with <i>E. vaginatum</i> and where <i>Calluna</i> is less abundant. | | | |



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|-----------------------------|---|-------------------------------|---------------|----------|----------------|
| Quadrat no. | 5 | Date | 11th May 2023 | Grid Ref | H5017696431 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Eriophorum vaginatum</i> | 65 | <i>Cladonia portentosa</i> | 5 | | |
| <i>Calluna vulgaris</i> | 8 | <i>Hypnum jutlandicum</i> | 5 | | |
| <i>Molinia caerulea</i> | 44 | <i>Sphagnum capillifolium</i> | 5 | | |
| <i>Vaccinium myrtillus</i> | 5 | | | | |
| <i>Erica tetralix</i> | 2 | Bare peat | 3 | | |
| Photo nos. | 5 | Species Total | 8 | | |
| NVC Code | Site & Vegetation Description | | | | |
| M20/M25 mosaic | Peat depth > 1 metre. Thatch quite dense owing to abundance of <i>Molinia</i> . | | | | |



| | | | |
|----------------------------------|-------------------------------|-----------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 6 | 11th May 2023 | H5018896369 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Juncus effusus</i> | 45 | <i>Luzula multiflora</i> | 1 |
| <i>Carex nigra</i> | 10 | | |
| <i>Trifolium repens</i> | 15 | <i>Thuidium tamariscinum</i> | 5 |
| <i>Juncus acutiflorus</i> | 10 | <i>Hylocomium splendens</i> | 15 |
| <i>Cardamine pratensis</i> | 2 | <i>Rhytidiadelphus squarrosus</i> | 65 |
| <i>Anthoxanthum odoratum</i> | 5 | <i>Plagiothecium undulatum</i> | 3 |
| <i>Holcus lanatus</i> | 15 | | |
| <i>Equisetum fluviatile</i> | 3 | | |
| <i>Ranunculus acris</i> | 2 | | |
| <i>Taraxacum officinale</i> agg. | 2 | | |
| Photo nos. | 6 | Species Total | 15 |
| NVC Code | Site & Vegetation Description | | |
| M23b/MG10 mosaic. | Peat depth 30cm. | | |



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|------------------------------|---------|---|-----------------------------------|----------|----------------|
| Quadrat no. | 7 | Date | 11th May 2023 | Grid Ref | H5026896160 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | | %age cvr | Species | | %age cvr |
| <i>Anthoxanthum odoratum</i> | | 15 | <i>Rhytidiadelphus squarrosus</i> | | 70 |
| <i>Holcus lanatus</i> | | 70 | <i>Plagiothecium undulatum</i> | | 1 |
| <i>Equisetum fluviatile</i> | | 5 | | | |
| <i>Agrostis capillaris</i> | | 8 | Sheep dung | | 3 |
| <i>Ranunculus repens</i> | | 15 | | | |
| Photo nos. | | 7 | Species Total | | 7 |
| NVC Code | | Site & Vegetation Description | | | |
| MG10 | | Peat depth 15cm. Heavily grazed by sheep. | | | |



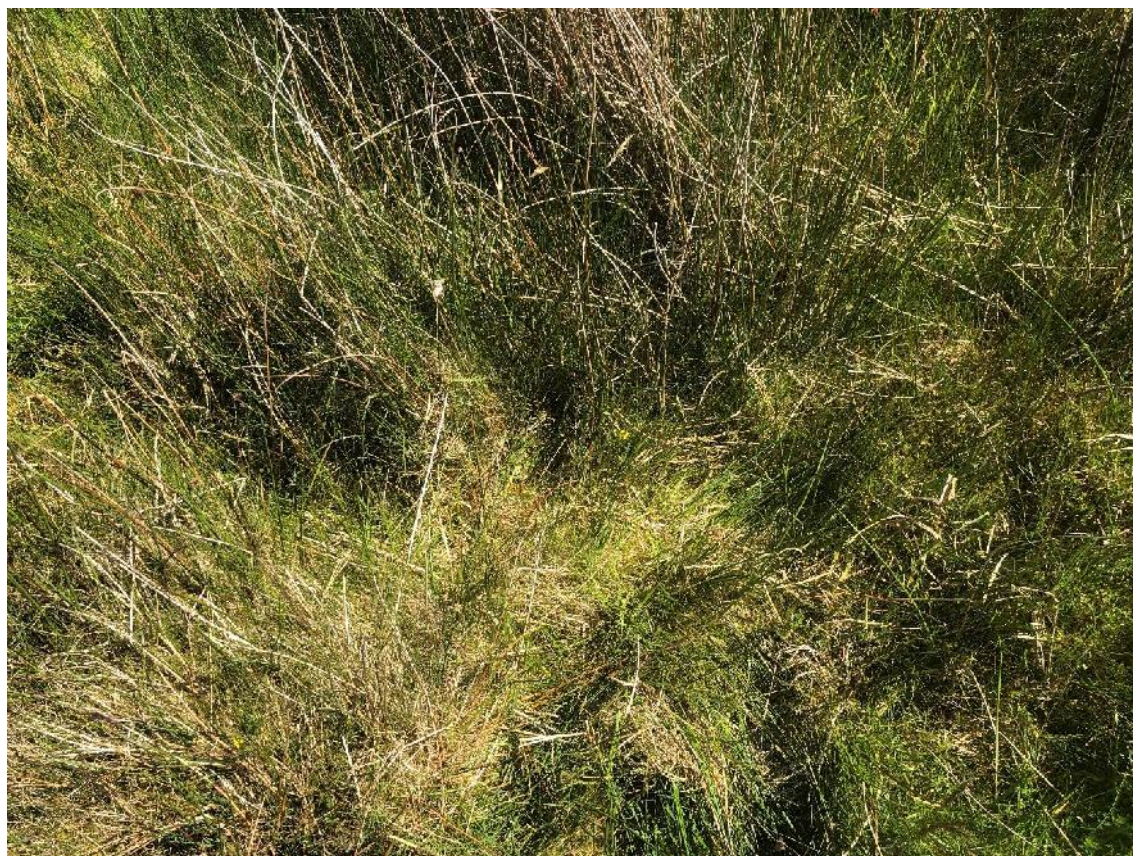
| | | | |
|------------------------------|-------------------------------|-----------------------------------|----------------|
| Quadrat no. | Date | | Grid Ref |
| 8 | 30th May 2023 | | H5018396181 |
| Quadrat size | Surveyor | | Site |
| 2m x 2m | KH | | Mullaghclogher |
| Species | %age cvr | Species | %age cvr |
| <i>Anthoxanthum odoratum</i> | 40 | <i>Rhytidiadelphus squarrosus</i> | 70 |
| <i>Holcus lanatus</i> | 30 | | |
| <i>Potentilla erecta</i> | 5 | | |
| <i>Eriophorum vaginatum</i> | 10 | | |
| <i>Rumex acetosella</i> | 3 | | |
| <i>Juncus effusus</i> | 15 | | |
| Photo nos. | 8 | Species Total | 7 |
| NVC Code | Site & Vegetation Description | | |
| MG10 | Peat depth > 1 metre. | | |



| | | | | | |
|--|---------|-------------------------------|-----------------------------------|----------|----------------|
| Quadrat no. | 9 | Date | 30th May 2023 | Grid Ref | H5028195998 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | | %age cvr | Species | | %age cvr |
| <i>Eriophorum vaginatum</i> | | 65 | <i>Sphagnum capillifolium</i> | | 15 |
| <i>Erica tetralix</i> | | 3 | <i>Sphagnum papillosum</i> | | 8 |
| <i>Anthoxanthum odoratum</i> | | 15 | <i>Rhytidiadelphus loreus</i> | | 15 |
| <i>Festuca ovina</i> | | 8 | <i>Rhytidiadelphus squarrosus</i> | | 35 |
| <i>Cirsium palustre</i> | | 8 | | | |
| <i>Salix cinerea</i> | | 5 | | | |
| Photo nos. | 9 | Species Total | | 10 | |
| NVC Code | | Site & Vegetation Description | | | |
| Wet heath/unclassified acid grassland mosaic | | Peat depth 20cm. | | | |



| | | | | | |
|------------------------------|---|-----------------------------------|---------------|----------|----------------|
| Quadrat no. | 10 | Date | 30th May 2023 | Grid Ref | H5029995950 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Juncus effusus</i> | 85 | <i>Polytrichum commune</i> | 10 | | |
| <i>Anthoxanthum odoratum</i> | 20 | <i>Pseudoscleropodium purum</i> | 15 | | |
| <i>Galium saxatile</i> | 3 | <i>Rhytidiadelphus squarrosus</i> | 25 | | |
| <i>Luzula multiflora</i> | 2 | | | | |
| <i>Potentilla erecta</i> | 3 | | | | |
| Photo nos. | 10 | Species Total | 8 | | |
| NVC Code | Site & Vegetation Description | | | | |
| M23b | Peat depth 55cm. Narrow band of rush pasture within wider area of blanket mire. | | | | |



| | | | | | |
|---------------------------------|-------------------------------|-----------------------------------|---------------|----------|----------------|
| Quadrat no. | 11 | Date | 30th May 2023 | Grid Ref | H5030895903 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Eriophorum vaginatum</i> | 25 | <i>Sphagnum papillosum</i> | 10 | | |
| <i>Calluna vulgaris</i> | 65 | <i>Sphagnum capillifolium</i> | 5 | | |
| <i>Juncus squarrosus</i> | 10 | <i>Rhytidiadelphus squarrosus</i> | 25 | | |
| <i>Molinia caerulea</i> | 15 | | | | |
| <i>Eriophorum angustifolium</i> | 5 | | | | |
| <i>Potentilla erecta</i> | 8 | | | | |
| <i>Erica tetralix</i> | 3 | | | | |
| Photo nos. | 11 | Species Total | 10 | | |
| NVC Code | Site & Vegetation Description | | | | |
| Unclassified wet heath | Peat depth 50cm. | | | | |



| | | | |
|------------------------------|-------------------------------|-----------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 12 | 30th May 2023 | H5033895825 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Calluna vulgaris</i> | 30 | <i>Rhytidiadelphis squarrosus</i> | 75 |
| <i>Eriophorum vaginatum</i> | 45 | <i>Hylocomium splendens</i> | 10 |
| <i>Vaccinium myrtillus</i> | 15 | | |
| <i>Anthoxanthum odoratum</i> | 10 | | |
| <i>Molinia caerulea</i> | 8 | | |
| <i>Luzula multiflora</i> | 3 | | |
| <i>Juncus squarrosus</i> | 5 | | |
| <i>Potentilla erecta</i> | 5 | | |
| <i>Festuca ovina</i> | 8 | | |
| Photo nos. | 12 | Species Total | 11 |
| NVC Code | Site & Vegetation Description | | |
| M19 | Peat depth 70cm. | | |



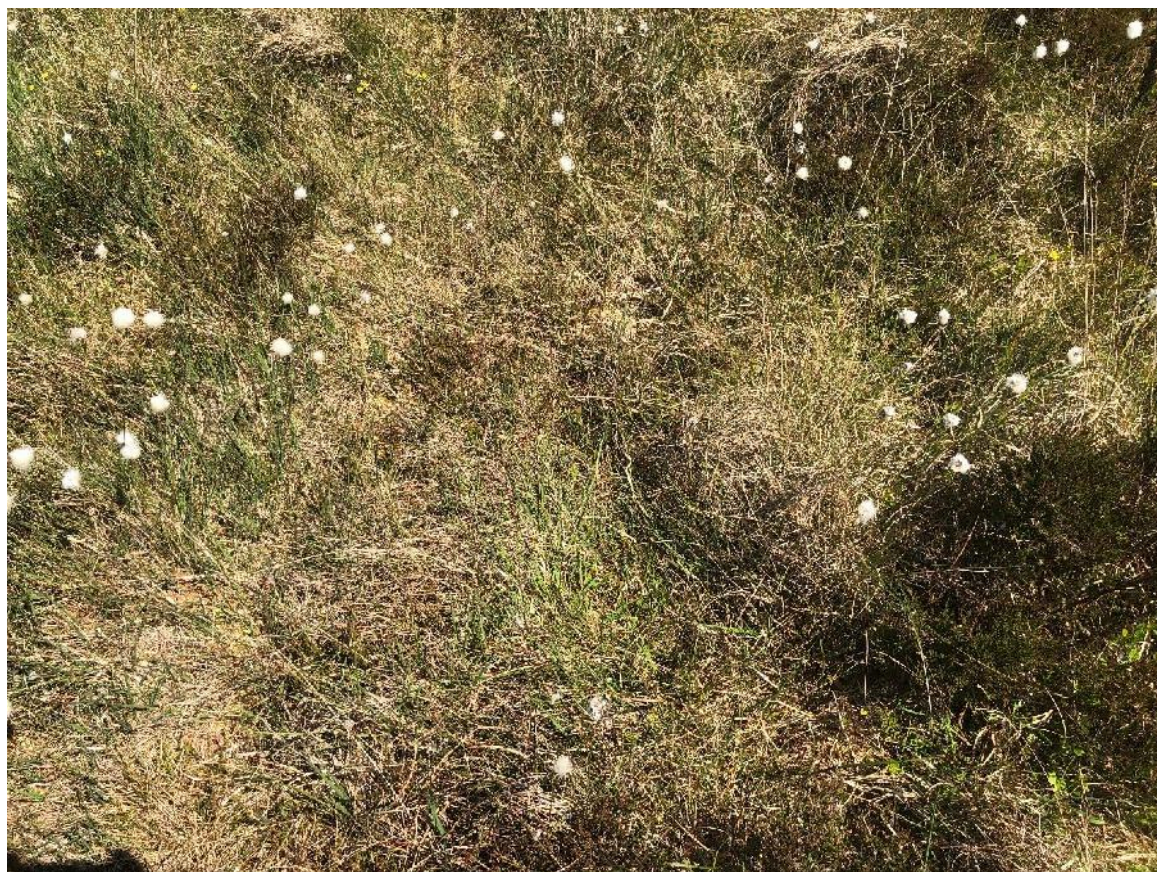
| | | | | | |
|-----------------------------|-------------------------------|-----------------------------------|---------------|----------|----------------|
| Quadrat no. | 13 | Date | 30th May 2023 | Grid Ref | H5036495781 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Calluna vulgaris</i> | 45 | <i>Sphagnum papillosum</i> | 20 | | |
| <i>Eriophorum vaginatum</i> | 25 | <i>Hylocomium splendens</i> | 10 | | |
| <i>Molinia caerulea</i> | 20 | <i>Rhytidiadelphus loreus</i> | 10 | | |
| <i>Vaccinium myrtillus</i> | 8 | <i>Rhytidiadelphus squarrosus</i> | 25 | | |
| Photo nos. | 13 | Species Total | 9 | | |
| NVC Code | Site & Vegetation Description | | | | |
| M19 | Peat depth > 1 metre. | | | | |



| | | | |
|---------------------------------|-------------------------------|-----------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 14 | 30th May 2023 | H5037495748 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Calluna vulgaris</i> | 30 | <i>Sphagnum papillosum</i> | 10 |
| <i>Eriophorum vaginatum</i> | 55 | <i>Sphagnum capillifolium</i> | 20 |
| <i>Molinia caerulea</i> | 40 | <i>Rhytidiadelphus squarrosus</i> | 25 |
| <i>Eriophorum angustifolium</i> | 5 | <i>Cladonia portentosa</i> | 8 |
| <i>Erica tetralix</i> | 3 | | |
| <i>Potentilla erecta</i> | 5 | | |
| Photo nos. | 14 | Species Total | 10 |
| NVC Code | Site & Vegetation Description | | |
| M19/M25 mosaic | Peat depth > 1 metre. | | |



| | | | | | |
|---------------------------------|----------|-----------------------------------|---------------|----------|----------------|
| Quadrat no. | 15 | Date | 30th May 2023 | Grid Ref | H5039695701 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Calluna vulgaris</i> | 40 | <i>Sphagnum capillifolium</i> | 25 | | |
| <i>Eriophorum vaginatum</i> | 55 | <i>Rhytidiadelphus squarrosus</i> | 40 | | |
| <i>Deschampsia flexuosa</i> | 8 | <i>Rhytidiadelphus loreus</i> | 15 | | |
| <i>Vaccinium myrtillus</i> | 20 | | | | |
| <i>Erica tetralix</i> | 5 | | | | |
| <i>Eriophorum angustifolium</i> | 5 | | | | |
| Photo nos. | 15 | Species Total | 9 | | |
| NVC Code | | Site & Vegetation Description | | | |
| M19 | | Peat depth > 1 metre. | | | |



| | | | |
|---------------------------------|-------------------------------|-------------------------------|----------------|
| Quadrat no. | Date | | Grid Ref |
| 16 | 30th May 2023 | | H5048595618 |
| Quadrat size | Surveyor | | Site |
| 2m x 2m | KH | | Mullaghclogher |
| Species | %age cvr | Species | %age cvr |
| <i>Calluna vulgaris</i> | 55 | <i>Sphagnum capillifolium</i> | 25 |
| <i>Eriophorum vaginatum</i> | 25 | <i>Hypnum jutlandicum</i> | 35 |
| <i>Eriophorum angustifolium</i> | 40 | | |
| Photo nos. | 16 | Species Total | 5 |
| NVC Code | Site & Vegetation Description | | |
| M19 | Peat depth > 1 metre. | | |



| | | | | | |
|-----------------------------|-------------------------------|-----------------------------------|---------------|----------|----------------|
| Quadrat no. | 17 | Date | 30th May 2023 | Grid Ref | H5076095619 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Calluna vulgaris</i> | 50 | <i>Sphagnum papillosum</i> | 15 | | |
| <i>Eriophorum vaginatum</i> | 40 | <i>Rhytidiadelphus loreus</i> | 10 | | |
| <i>Vaccinium myrtillus</i> | 15 | <i>Rhytidiadelphus squarrosus</i> | 40 | | |
| <i>Deschampsia flexuosa</i> | 10 | <i>Dryopteris dilatata</i> | 5 | | |
| <i>Carex nigra</i> | 1 | | | | |
| Photo nos. | 17 | Species Total | 9 | | |
| NVC Code | Site & Vegetation Description | | | | |
| M19 | Peat depth > 1 metre. | | | | |



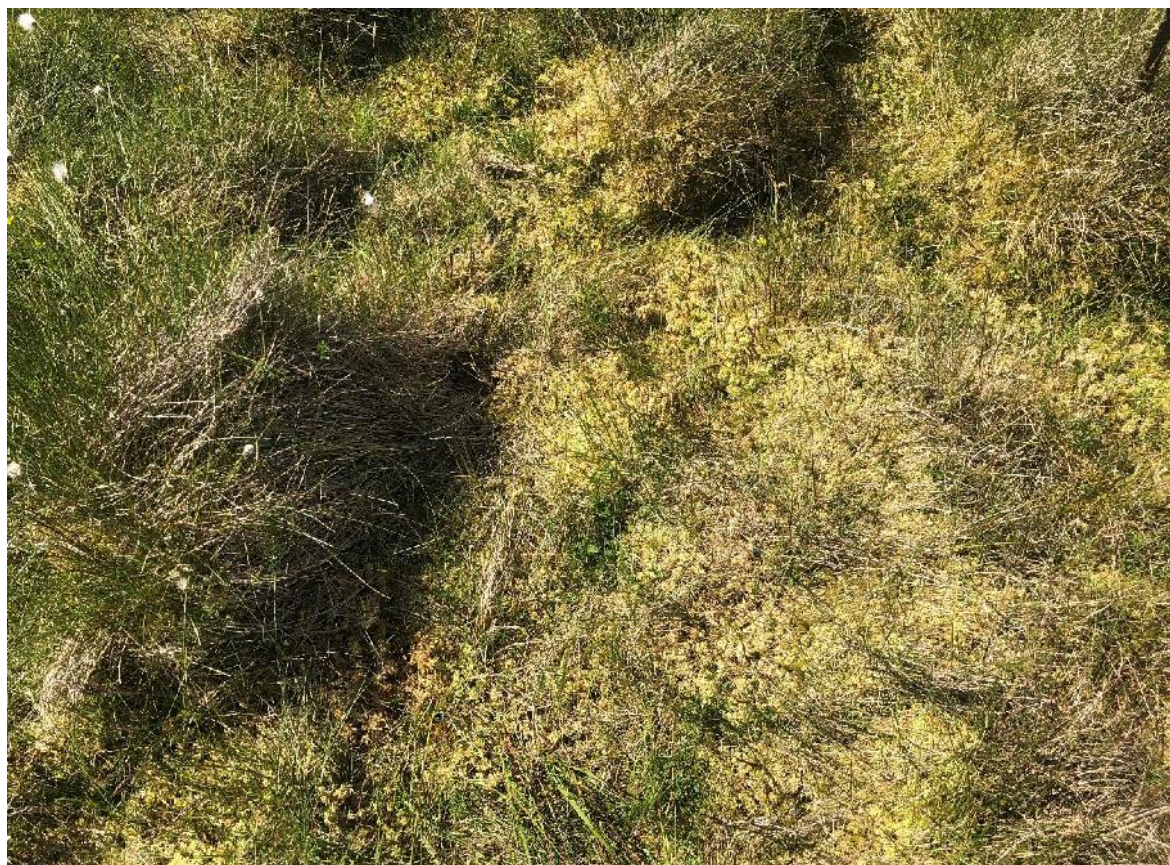
| | | | | | |
|------------------------------|-------------------------------|-----------------------------|---------------|----------|----------------|
| Quadrat no. | 18 | Date | 30th May 2023 | Grid Ref | H5088895653 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Juncus effusus</i> | 85 | <i>Sphagnum fallax</i> | 35 | | |
| <i>Anthoxanthum odoratum</i> | 15 | <i>Sphagnum papillosum</i> | 20 | | |
| <i>Potentilla erecta</i> | 15 | <i>Hylocomium splendens</i> | 15 | | |
| <i>Viola palustris</i> | 15 | | | | |
| Photo nos. | 18 | Species Total | 7 | | |
| NVC Code | Site & Vegetation Description | | | | |
| M23b | Peat depth 1 metre. | | | | |



| | | | | | |
|------------------------------|----------|---|---------------|----------|----------------|
| Quadrat no. | 19 | Date | 30th May 2023 | Grid Ref | H5095595695 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Calluna vulgaris</i> | 35 | <i>Rhytidiadelphus squarrosus</i> | 60 | | |
| <i>Eriophorum vaginatum</i> | 55 | <i>Rhytidiadelphus loreus</i> | 15 | | |
| <i>Luzula sylvatica</i> | 20 | <i>Hylocomium splendens</i> | 10 | | |
| <i>Potentilla erecta</i> | 20 | <i>Sphagnum capillifolium</i> | 15 | | |
| <i>Anthoxanthum odoratum</i> | 5 | | | | |
| <i>Galium saxatile</i> | 8 | | | | |
| Photo nos. | 19 | Species Total | 10 | | |
| NVC Code | M19 | Site & Vegetation Description | | | |
| | | Peat depth > 1 metre. Blanket mire surrounded by M23b rush pasture; this quadrat represents the south-eastern edge of a block of M19. | | | |



| | | | | | |
|-----------------------------|-------------------------------|---------------|-------------------------------|----------|----------------|
| Quadrat no. | 20 | Date | 30th May 2023 | Grid Ref | H5105495742 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | | %age cvr | Species | | %age cvr |
| <i>Calluna vulgaris</i> | | 20 | <i>Sphagnum cuspidatum</i> | | 55 |
| <i>Eriophorum vaginatum</i> | | 35 | <i>Polytrichum commune</i> | | 5 |
| <i>Deschampsia flexuosa</i> | | 8 | <i>Sphagnum palustre</i> | | 8 |
| <i>Potentilla erecta</i> | | 10 | <i>Hylocomium splendens</i> | | 15 |
| <i>Carex nigra</i> | | 2 | <i>Rhytidiadelphus loreus</i> | | 10 |
| <i>Juncus squarrosus</i> | | 8 | | | |
| Photo nos. | 20 | Species Total | | | 11 |
| NVC Code | Site & Vegetation Description | | | | |
| M19/M2 mosaic | Peat depth > 1 metre. | | | | |



| | | | |
|--------------------------------------|--|-----------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 21 | 30th May 2023 | H5110495772 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Eriophorum vaginatum</i> | 70 | <i>Polytrichum commune</i> | 15 |
| <i>Deschampsia flexuosa</i> | 15 | <i>Hylocomium splendens</i> | 25 |
| <i>Anthoxanthum odoratum</i> | 10 | <i>Rhytidiadelphis loreus</i> | 20 |
| <i>Galium saxatile</i> | 8 | <i>Rhytidiadelphis squarrosus</i> | 25 |
| <i>Potentilla erecta</i> | 10 | | |
| Photo nos. | 21 | Species Total | 9 |
| NVC Code | Site & Vegetation Description | | |
| Unclassified wet heath/ U2 mosaic | Peat depth variable, to 50cm. Wet heath/acid grassland mosaic grading into M20 a short distance to the east, along the western bank of a small stream which is fringed with a narrow band of M23a. | | |



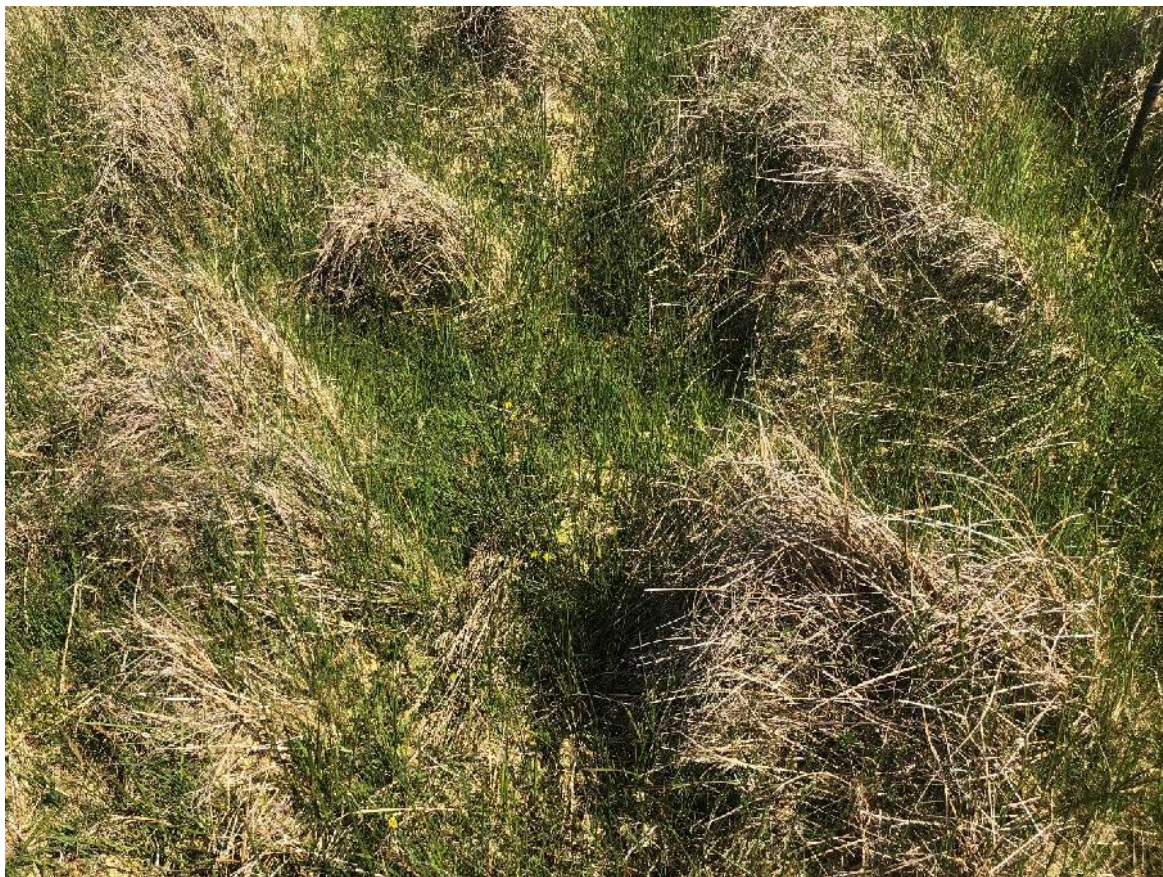
| | | | | | |
|-------------------------------|---|---------------|---------------------------------|----------|----------------|
| Quadrat no. | 22 | Date | 30th May 2023 | Grid Ref | H5119795849 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | | %age cvr | Species | | %age cvr |
| <i>Eriophorum vaginatum</i> | | 55 | <i>Sphagnum papillosum</i> | | 10 |
| <i>Alopecurus geniculatus</i> | | 5 | <i>Hylocomium splendens</i> | | 35 |
| <i>Potentilla erecta</i> | | 8 | <i>Pseudoscleropodium purum</i> | | 8 |
| <i>Deschampsia flexuosa</i> | | 10 | <i>Polytrichum commune</i> | | 8 |
| <i>Nardus stricta</i> | | 3 | | | |
| <i>Galium saxatile</i> | | 3 | | | |
| Photo nos. | 22 | Species Total | | 10 | |
| NVC Code | Site & Vegetation Description | | | | |
| M20 / | | | | | |
| unclassified | Peat depth variable, to 80cm. Mire grading into M23a to east. | | | | |
| wet heath | | | | | |
| mosaic | | | | | |



| | | | |
|--------------------------------------|-------------------------------|-----------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 23 | 30th May 2023 | H5126595902 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Eriophorum vaginatum</i> | 35 | <i>Rhytidiadelphis squarrosus</i> | 70 |
| <i>Juncus effusus</i> | 10 | <i>Hylocomium splendens</i> | 15 |
| <i>Potentilla erecta</i> | 5 | | |
| <i>Anthoxanthum odoratum</i> | 20 | | |
| <i>Deschampsia flexuosa</i> | 20 | | |
| <i>Luzula multiflora</i> | 3 | | |
| <i>Carex panicea</i> | 5 | | |
| Photo nos. | 23 | Species Total | 9 |
| NVC Code | Site & Vegetation Description | | |
| M20/unclassified wet heath/U2 mosaic | Peat depth variable, to 90cm. | | |



| | | | | | |
|------------------------------|---|-----------------------------|---------------|----------|----------------|
| Quadrat no. | 24 | Date | 30th May 2023 | Grid Ref | 5138295992 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Juncus acutiflorus</i> | 85 | <i>Sphagnum palustre</i> | 20 | | |
| <i>Potentilla erecta</i> | 8 | <i>Sphagnum fallax</i> | 8 | | |
| <i>Anthoxanthum odoratum</i> | 15 | <i>Hylocomium splendens</i> | 15 | | |
| <i>Viola palustre</i> | 3 | | | | |
| <i>Holcus lanatus</i> | 20 | | | | |
| Photo nos. | 24 | Species Total | 8 | | |
| NVC Code | Site & Vegetation Description | | | | |
| M23a/MG10 mosaic | Peat depth 80cm. MG10 element comprises c.25% of sward. | | | | |



| | | | | | |
|---------------------------------|---|---------------|-----------------------------------|----------|----------------|
| Quadrat no. | 25 | Date | 30th May 2023 | Grid Ref | H5140196013 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | | %age cvr | Species | | %age cvr |
| <i>Eriophorum vaginatum</i> | | 10 | <i>Rhytidiadelphus squarrosus</i> | | 80 |
| <i>Juncus squarrosus</i> | | 15 | <i>Hylocomium splendens</i> | | 25 |
| <i>Festuca ovina</i> | | 60 | | | |
| <i>Luzula multiflora</i> | | 8 | | | |
| <i>Potentilla erecta</i> | | 5 | | | |
| <i>Carex divulsa</i> | | 1 | | | |
| Photo nos. | 25 | Species Total | | 8 | |
| NVC Code | Site & Vegetation Description | | | | |
| M20/unclassified acid grassland | Peat depth 60cm. Acid grassland with minor element of M20 mire. | | | | |



| | | | | | |
|----------------------------------|-------------------------------|-------------------------------|---------------|----------|----------------|
| Quadrat no. | 26 | Date | 30th May 2023 | Grid Ref | H5145196056 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Eriophorum vaginatum</i> | 45 | <i>Polytrichum commune</i> | 15 | | |
| <i>Potentilla erecta</i> | 20 | <i>Hylocomium splendens</i> | 30 | | |
| <i>Juncus squarrosus</i> | 10 | <i>Sphagnum fallax</i> | 10 | | |
| <i>Festuca ovina</i> | 15 | <i>Rhytidiadelphus loreus</i> | 10 | | |
| Photo nos. | 26 | Species Total | 8 | | |
| NVC Code | Site & Vegetation Description | | | | |
| Unclassified wet heath/U4 mosaic | Peat depth 45cm. | | | | |



| | | |
|---------------------------------|-------------------------------|--------------------------------------|
| Quadrat no. | Date | Grid Ref |
| 27 | 30th May 2023 | 515289613 6 |
| Quadrat size | Surveyor | Site |
| 2m x 2m | KH | Mullaghclogher |
| Species | %age cvr | Species %age cvr |
| <i>Eriophorum vaginatum</i> | 65 | <i>Sphagnum palustre</i> 8 |
| <i>Eriophorum angustifolium</i> | 8 | <i>Hylocomium splendens</i> 15 |
| <i>Carex panicea</i> | 10 | <i>Rhytidiadelphus squarrosus</i> 35 |
| <i>Potentilla erecta</i> | 15 | |
| <i>Anthoxanthum odoratum</i> | 15 | |
| <i>Viola palustre</i> | 3 | |
| Photo nos. | 27 | Species Total 9 |
| NVC Code | Site & Vegetation Description | |
| M20 / | | |
| unclassified wet | Peat depth | |
| heath | variable, to 70cm. | |



| | | | |
|------------------------------|--|-------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 28 | 30th May 2023 | H5156696164 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Juncus effusus</i> | 75 | <i>Rhynchospora squarrosa</i> | 40 |
| <i>Holcus lanatus</i> | 25 | | |
| <i>Anthoxanthum odoratum</i> | 10 | | |
| Photo nos. | 28 | Species Total | 4 |
| NVC Code | Site & Vegetation Description | | |
| M23b/MG10 mosaic | Peat depth >1m. Narrow band of rush pasture and mesotrophic grassland through wider area of mire vegetation. | | |



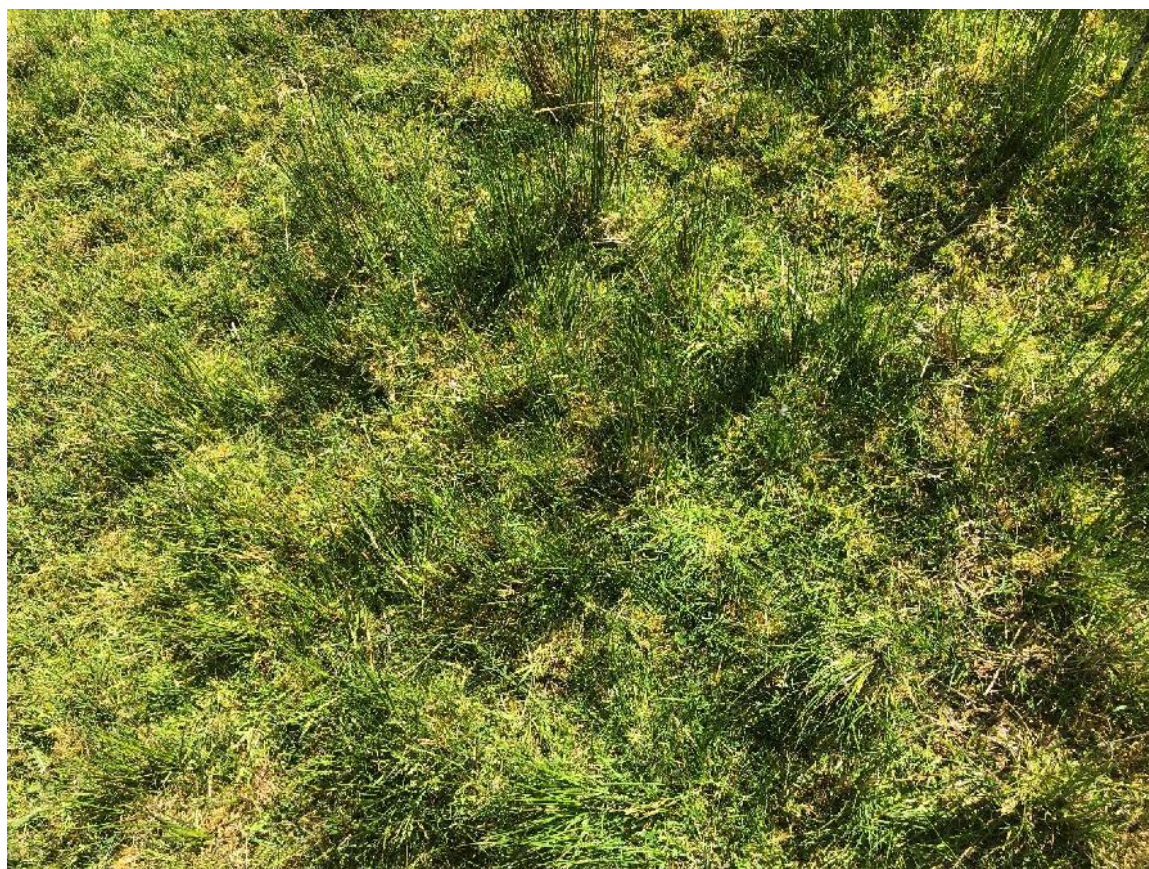
| | | | |
|-----------------------------|--|-----------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 29 | 30th May 2023 | H5165596257 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Eriophorum vaginatum</i> | 65 | <i>Rhytidiadelphis squarrosus</i> | 70 |
| <i>Juncus squarrosus</i> | 15 | <i>Hylocomium splendens</i> | 20 |
| <i>Luzula multiflora</i> | 8 | | |
| <i>Potentilla erecta</i> | 15 | | |
| <i>Deschampsia flexuosa</i> | 10 | | |
| Photo nos. | 29 | Species Total | 7 |
| NVC Code | Site & Vegetation Description | | |
| M20 | Peat depth 95cm. <i>Juncus effusus</i> occasional through mire vegetation to east. | | |



| | | | | | |
|-----------------------------|-------------------------------|-----------------------------------|---------------|----------|----------------|
| Quadrat no. | 30 | Date | 30th May 2023 | Grid Ref | H5175096384 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Calluna vulgaris</i> | 35 | <i>Sphagnum palustre</i> | 15 | | |
| <i>Eriophorum vaginatum</i> | 60 | <i>Rhytidiadelphus squarrosus</i> | 30 | | |
| <i>Potentilla erecta</i> | 10 | <i>Rhytidiadelphus loreus</i> | 15 | | |
| <i>Deschampsia flexuosa</i> | 8 | <i>Hylocomium splendens</i> | 15 | | |
| <i>Erica tetralix</i> | 3 | | | | |
| <i>Vaccinium myrtillus</i> | 10 | | | | |
| Photo nos. | 30 | Species Total | 10 | | |
| NVC Code | Site & Vegetation Description | | | | |
| M19 | Peat depth 70cm. | | | | |



| | | | | | |
|------------------------------|-------------------------------|---------------|-------------------------------|----------|----------------|
| Quadrat no. | 31 | Date | 1st June 2023 | Grid Ref | H5282896379 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | | %age cvr | Species | | %age cvr |
| <i>Juncus effusus</i> | | 35 | <i>Rhynchospora squarrosa</i> | | 85 |
| <i>Juncus acutiflorus</i> | | 25 | | | |
| <i>Juncus squarrosus</i> | | 10 | | | |
| <i>Trifolium repens</i> | | 15 | | | |
| <i>Anthoxanthum odoratum</i> | | 10 | | | |
| <i>Cardamine pratense</i> | | 3 | | | |
| <i>Cerastium fontanum</i> | | 3 | | | |
| <i>Equisetum fluviatile</i> | | 5 | | | |
| <i>Carex flacca</i> | | 8 | | | |
| <i>Agrostis stolonifera</i> | | 10 | | | |
| Photo nos. | 31 | Species Total | | 11 | |
| NVC Code | Site & Vegetation Description | | | | |
| M23a/M23b mosaic | Peat depth 80cm. | | | | |



| | | | | | |
|-----------------------------|----------|-----------------------------------|------------------|----------|----------------|
| Quadrat no. | 32 | Date | 1st June 2023 | Grid Ref | H5300596491 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Eriophorum vaginatum</i> | 65 | <i>Sphagnum papillosum</i> | 30 | | |
| <i>Potentilla erecta</i> | 15 | <i>Sphagnum capillifolium</i> | 5 | | |
| <i>Luzula multiflora</i> | 3 | <i>Rhytidiadelphus loreus</i> | 15 | | |
| <i>Deschampsia flexuosa</i> | 10 | <i>Hylocomium splendens</i> | 15 | | |
| <i>Galium saxatile</i> | 3 | <i>Rhytidiadelphus squarrosus</i> | 20 | | |
| <i>Carex nigra</i> | 1 | | | | |
| Photo nos. | 32 | Species Total | 11 | | |
| NVC Code | M20 | Site & Vegetation Description | Peat depth > 1m. | | |



| | | | | | |
|------------------------------|----------|-----------------------------------|-----------------|----------|----------------|
| Quadrat no. | 33 | Date | 1st June 2023 | Grid Ref | H5305296571 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Calluna vulgaris</i> | 40 | <i>Rhytidiadelphus squarrosus</i> | 75 | | |
| <i>Eriophorum vaginatum</i> | 40 | <i>Hylocomium splendens</i> | 15 | | |
| <i>Vaccinium myrtillus</i> | 10 | <i>Sphagnum capillifolium</i> | 10 | | |
| <i>Potentilla erecta</i> | 5 | <i>Sphagnum papillosum</i> | 5 | | |
| <i>Deschampsia flexuosa</i> | 15 | | | | |
| <i>Anthoxanthum odoratum</i> | 5 | | | | |
| <i>Erica tetralix</i> | 1 | | | | |
| Photo nos. | 33 | Species Total | 11 | | |
| NVC Code | M19 | Site & Vegetation Description | Peat depth >1m. | | |



| | | | | | |
|-----------------------------|--|-----------------------------------|---------------|----------|----------------|
| Quadrat no. | 34 | Date | 1st June 2023 | Grid Ref | H5316196642 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Calluna vulgaris</i> | 30 | <i>Rhytidiadelphus squarrosus</i> | 40 | | |
| <i>Vaccinium myrtillus</i> | 35 | <i>Sphagnum capillifolium</i> | 15 | | |
| <i>Eriophorum vaginatum</i> | 15 | <i>Rhytidiadelphus loreus</i> | 8 | | |
| <i>Deschampsia flexuosa</i> | 10 | <i>Hypnum jutlandicum</i> | 3 | | |
| <i>Potentilla erecta</i> | 5 | | | | |
| <i>Juncus squarrosus</i> | 10 | | | | |
| Photo nos. | 34 | Species Total | 10 | | |
| NVC Code | Site & Vegetation Description | | | | |
| H21 | Peat depth 30cm. On slope facing to west-north-west. | | | | |



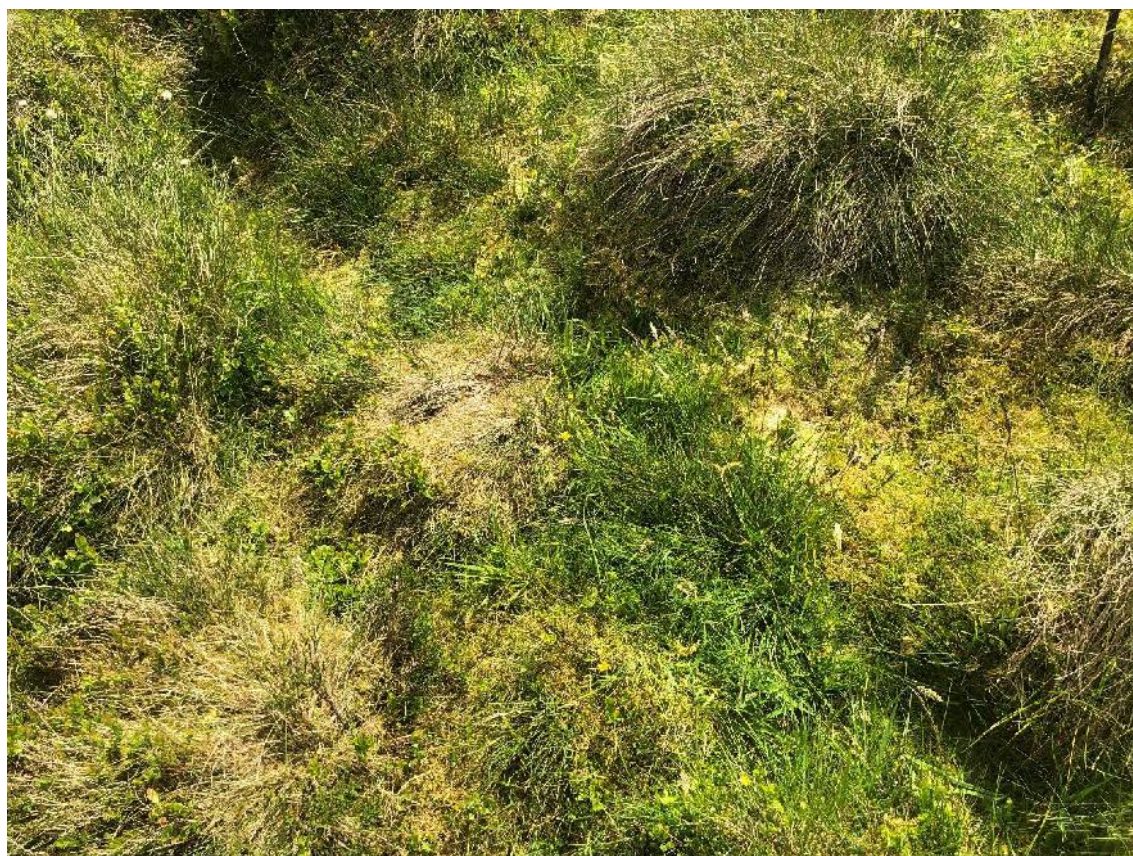
| | | | | | |
|-----------------------------|-------------------------------|-------------------------------|---------------|----------|----------------|
| Quadrat no. | 35 | Date | 1st June 2023 | Grid Ref | H5329996580 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Calluna vulgaris</i> | 55 | <i>Sphagnum capillifolium</i> | 30 | | |
| <i>Eriophorum vaginatum</i> | 40 | <i>Sphagnum papillosum</i> | 5 | | |
| <i>Deschampsia flexuosa</i> | 10 | <i>Rhytidiadelphus loreus</i> | 15 | | |
| <i>Molinia caerulea</i> | 15 | <i>Hypnum jutlandicum</i> | 5 | | |
| <i>Erica tetralix</i> | 2 | | | | |
| <i>Potentilla erecta</i> | 8 | | | | |
| Photo nos. | 35 | Species Total | 10 | | |
| NVC Code | Site & Vegetation Description | | | | |
| M19 | Peat depth >1m. | | | | |



| | | | | | |
|---------------------------------|----------|-----------------------------------|-----------------|----------|----------------|
| Quadrat no. | 36 | Date | 1st June 2023 | Grid Ref | H5334196493 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Calluna vulgaris</i> | 55 | <i>Sphagnum capillifolium</i> | 20 | | |
| <i>Eriophorum vaginatum</i> | 35 | <i>Sphagnum palustre</i> | 8 | | |
| <i>Eriophorum angustifolium</i> | 3 | <i>Rhytidiadelphus loreus</i> | 20 | | |
| <i>Vaccinium myrtillus</i> | 20 | <i>Rhytidiadelphus squarrosus</i> | 50 | | |
| <i>Potentilla erecta</i> | 8 | <i>Hypnum jutlandicum</i> | 8 | | |
| <i>Deschampsia flexuosa</i> | 3 | | | | |
| <i>Anthoxanthum odoratum</i> | 2 | | | | |
| <i>Galium saxatile</i> | 2 | | | | |
| Photo nos. | 36 | Species Total | 15 | | |
| NVC Code | M19 | Site & Vegetation Description | Peat depth >1m. | | |



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|------------------------------|-------------------------------|-----------------------------------|---------------|----------|----------------|
| Quadrat no. | 37 | Date | 1st June 2023 | Grid Ref | H5327896287 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Eriophorum vaginatum</i> | 50 | <i>Rhytidiadelphus squarrosus</i> | 85 | | |
| <i>Juncus squarrosus</i> | 8 | <i>Hylocomium splendens</i> | 5 | | |
| <i>Deschampsia flexuosa</i> | 8 | <i>Sphagnum palustre</i> | 8 | | |
| <i>Anthoxanthum odoratum</i> | 10 | | | | |
| <i>Potentilla erecta</i> | 5 | | | | |
| <i>Galium saxatile</i> | 10 | | | | |
| <i>Vaccinium myrtillus</i> | 5 | | | | |
| <i>Luzula multiflora</i> | 3 | | | | |
| <i>Molinia caerulea</i> | 8 | | | | |
| Photo nos. | 37 | Species Total | 12 | | |
| NVC Code | Site & Vegetation Description | | | | |
| M20 | Peat depth >1m. | | | | |



| | | | |
|-----------------------------|---|-------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 38 | 1st June 2023 | H5325496632 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Eriophorum vaginatum</i> | 75 | <i>Sphagnum capillifolium</i> | 8 |
| <i>Empetrum nigrum</i> | 35 | <i>Sphagnum palustre</i> | 10 |
| <i>Calluna vulgaris</i> | 15 | <i>Hylocomium splendens</i> | 10 |
| <i>Vaccinium myrtillus</i> | 8 | <i>Rhytidiadelphus loreus</i> | 60 |
| <i>Erica tetralix</i> | 8 | | |
| <i>Potentilla erecta</i> | 5 | | |
| Photo nos. | 38 | Species Total | 10 |
| NVC Code | Site & Vegetation Description | | |
| M19/20 mosaic | Peat depth >1m. In fine-scaled mosaic with M19 in wider area. | | |



| | | | | | |
|----------------------------|--|---------------|-------------------------------|----------|----------------|
| Quadrat no. | 39 | Date | 1st June 2023 | Grid Ref | H5319696818 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | | %age cvr | Species | | %age cvr |
| <i>Juncus effusus</i> | | 10 | <i>Rhynchospora squarrosa</i> | | 8 |
| <i>Juncus acutiflorus</i> | | 80 | | | |
| <i>Cirsium palustre</i> | | 8 | Sheep dung | | 5 |
| <i>Cardamine pratensis</i> | | 3 | | | |
| <i>Holcus lanatus</i> | | 20 | | | |
| Photo nos. | 39 | Species Total | | | 6 |
| NVC Code | Site & Vegetation Description | | | | |
| M23a/MG10 mosaic | Peat depth 15cm. Heavily grazed rush pasture and mesotrophic grassland mosaic. | | | | |



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|------------------------------|---------------------------------|-----------------------------------|---------------|----------|----------------|
| Quadrat no. | 40 | Date | 1st June 2023 | Grid Ref | H5316196891 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Calluna vulgaris</i> | 8 | <i>Rhytidiadelphus squarrosus</i> | 80 | | |
| <i>Eriophorum vaginatum</i> | 50 | <i>Hylocomium splendens</i> | 10 | | |
| <i>Vaccinium myrtillus</i> | 20 | | | | |
| <i>Anthoxanthum odoratum</i> | 5 | | | | |
| <i>Deschampsia flexuosa</i> | 8 | | | | |
| <i>Galium saxatile</i> | 5 | | | | |
| <i>Carex nigra</i> | 2 | | | | |
| <i>Potentilla erecta</i> | 3 | | | | |
| Photo nos. | 40 | Species Total | 10 | | |
| NVC Code | Site & Vegetation Description | | | | |
| H21 / M20 mosaic | Peat depth variable, to >1m. | | | | |



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|---------------------------------|----------|-----------------------------------|-----------------|----------|----------------|
| Quadrat no. | 41 | Date | 1st June 2023 | Grid Ref | H5263096631 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Calluna vulgaris</i> | 45 | <i>Sphagnum capillifolium</i> | 15 | | |
| <i>Eriophorum vaginatum</i> | 25 | <i>Rhytidiadelphus squarrosus</i> | 30 | | |
| <i>Deschampsia flexuosa</i> | 8 | <i>Hylocomium splendens</i> | 10 | | |
| <i>Vaccinium myrtillus</i> | 5 | <i>Rhytidiadelphus loreus</i> | 10 | | |
| <i>Potentilla erecta</i> | 5 | | | | |
| <i>Eriophorum angustifolium</i> | 2 | | | | |
| Photo nos. | 41 | Species Total | 10 | | |
| NVC Code | M19 | Site & Vegetation Description | Peat depth >1m. | | |



| | | | |
|-----------------------------------|-------------------------------|-------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 42 | 1st June 2023 | H5252196818 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Calluna vulgaris</i> | 75 | <i>Hylocomium splendens</i> | 40 |
| <i>Eriophorum vaginatum</i> | 30 | <i>Rhytidiadelphis loreus</i> | 35 |
| <i>Molinia caerulea</i> | 10 | <i>Thuidium tamariscinum</i> | 3 |
| <i>Potentilla erecta</i> | 5 | | |
| <i>Sorbus aucuparia</i> (sapling) | 5 | | |
| <i>Galium saxatile</i> | 2 | | |
| Photo nos. | 42 | Species Total | 9 |
| NVC Code | Site & Vegetation Description | | |
| M19 | Peat depth >1m. | | |



| | | | |
|-----------------------------|-------------------------------|-------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 43 | 1st June 2023 | H5251596981 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Calluna vulgaris</i> | 60 | <i>Sphagnum capillifolium</i> | 20 |
| <i>Eriophorum vaginatum</i> | 55 | <i>Rhytidiadelphis loreus</i> | 35 |
| <i>Juncus squarrosus</i> | 5 | <i>Hypnum jutlandicum</i> | 10 |
| <i>Molinia caerulea</i> | 3 | | |
| Photo nos. | 43 | Species Total | 7 |
| NVC Code | Site & Vegetation Description | | |
| M19 | Peat depth 55cm. | | |



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|---------------------------------|-------------------------------|-----------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 44 | 1st June 2023 | H5259897039 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Calluna vulgaris</i> | 15 | <i>Sphagnum capillifolium</i> | 20 |
| <i>Eriophorum vaginatum</i> | 20 | <i>Rhytidiadelphis squarrosus</i> | 15 |
| <i>Molinia caerulea</i> | 40 | <i>Hypnum jutlandicum</i> | 8 |
| <i>Potentilla erecta</i> | 10 | | |
| <i>Vaccinium myrtillus</i> | 5 | | |
| <i>Juncus squarrosus</i> | 5 | | |
| <i>Eriophorum angustifolium</i> | 5 | | |
| <i>Erica tetralix</i> | 3 | | |
| <i>Trichophorum germanicum</i> | 15 | | |
| Photo nos. | 44 | Species Total | 12 |
| NVC Code | Site & Vegetation Description | | |
| M19/M25 mosaic | Peat depth 60cm. | | |



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|------------------------------|--|-------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 45 | 1st June 2023 | H5266597126 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Juncus effusus</i> | 65 | <i>Polytrichum commune</i> | 10 |
| <i>Anthoxanthum odoratum</i> | 8 | <i>Rhytidiadelphis loreus</i> | 65 |
| <i>Juncus squarrosus</i> | 10 | <i>Sphagnum capillifolium</i> | 3 |
| <i>Holcus lanatus</i> | 25 | | |
| Photo nos. | 45 | Species Total | 7 |
| NVC Code | Site & Vegetation Description | | |
| M23b/MG10 mosaic | Peat depth 8cm. Small area within wider area of M19. | | |



| | | | |
|-----------------------------|---|-------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 46 | 1st June 2023 | H5263197245 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Calluna vulgaris</i> | 80 | <i>Hypnum jutlandicum</i> | 20 |
| <i>Eriophorum vaginatum</i> | 15 | <i>Cladonia portentosa</i> | 8 |
| <i>Vaccinium myrtillus</i> | 10 | <i>Hylocomium splendens</i> | 15 |
| | | <i>Rhytidiadelphis loreus</i> | 40 |
| Photo nos. | 46 | Species Total | 7 |
| NVC Code | Site & Vegetation Description | | |
| M19 | Peat depth >1m. Ground very uneven. Grazing pressure light. | | |



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|---------------------------------|----------|--|----------------|----------|----------------|
| Quadrat no. | 47 | Date | 12th July 2023 | Grid Ref | H5263196473 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Eriophorum vaginatum</i> | 70 | <i>Hylocomium splendens</i> | 55 | | |
| <i>Deschampsia flexuosa</i> | 10 | <i>Polytrichum commune</i> | 10 | | |
| <i>Juncus squarrosus</i> | 15 | <i>Rhytidiadelphus loreus</i> | 10 | | |
| <i>Potentilla erecta</i> | 10 | <i>Rhytidiadelphus squarrosus</i> | 10 | | |
| <i>Vaccinium myrtillus</i> | 8 | <i>Sphagnum palustre</i> | 8 | | |
| <i>Eriophorum angustifolium</i> | 8 | | | | |
| <i>Galium saxatile</i> | 3 | | | | |
| Photo nos. | 47 | Species Total | 12 | | |
| NVC Code | M20 | Site & Vegetation Description | | | |
| | | Peat depth >1m. Sward patchy, to 80cm height. Grazing pressure moderate to high. | | | |



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|-----------------------------|----------|--|----------------|----------|----------------|
| Quadrat no. | 48 | Date | 12th July 2023 | Grid Ref | H5242296654 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Eriophorum vaginatum</i> | 60 | <i>Pleurozium schreberi</i> | 45 | | |
| <i>Calluna vulgaris</i> | 35 | <i>Rhytidiadelphus squarrosus</i> | 40 | | |
| <i>Juncus squarrosus</i> | 10 | <i>Sphagnum palustre</i> | 10 | | |
| <i>Potentilla erecta</i> | 15 | | | | |
| <i>Deschampsia flexuosa</i> | 10 | | | | |
| <i>Molinia caerulea</i> | 8 | | | | |
| <i>Vaccinium myrtillus</i> | 8 | | | | |
| <i>Galium saxatile</i> | 3 | | | | |
| <i>Festuca ovina</i> | 5 | | | | |
| Photo nos. | 48 | Species Total | 12 | | |
| NVC Code | M19 | Site & Vegetation Description | | | |
| | | Peat depth >1m. Mire with minor acid grassland component. <i>Calluna</i> cover greater than in Q47. Sward patchy, to 50cm height. Grazing pressure high. | | | |



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|-----------------------------|--|-------------------------------|----------------|
| Quadrat no. | Date | | Grid Ref |
| 49 | 12th July 2023 | | H5237796603 |
| Quadrat size | Surveyor | | Site |
| 2m x 2m | KH | | Mullaghclogher |
| Species | %age cvr | Species | %age cvr |
| <i>Calluna vulgaris</i> | 70 | <i>Sphagnum palustre</i> | 20 |
| <i>Eriophorum vaginatum</i> | 20 | <i>Pleurozium schreberi</i> | 20 |
| <i>Deschampsia flexuosa</i> | 5 | <i>Rhytidiadelphus loreus</i> | 55 |
| <i>Festuca ovina</i> | 3 | <i>Hylocomium splendens</i> | 15 |
| <i>Vaccinium myrtillus</i> | 10 | | |
| Photo nos. | 49 | Species Total | 9 |
| NVC Code | Site & Vegetation Description | | |
| M19 | Peat depth >1m. Sward to 80cm height. Grazing pressure low. <i>Calluna</i> age structure homogeneous as a result of previous fire event. | | |



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|--------------------------------|--|-------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 50 | 12th July 2023 | H5233396510 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Calluna vulgaris</i> | 85 | <i>Sphagnum capillifolium</i> | 20 |
| <i>Eriophorum vaginatum</i> | 15 | <i>Hylocomium splendens</i> | 20 |
| <i>Trichophorum germanicum</i> | 5 | <i>Rhytidiadelphis loreus</i> | 15 |
| <i>Vaccinium myrtillus</i> | 8 | <i>Hypnum jutlandicum</i> | 8 |
| Photo nos. | 50 | Species Total | 8 |
| NVC Code | Site & Vegetation Description | | |
| M19 | Peat depth >1m. Sward to 70cm height. Grazing pressure low. Sward dense with prominent hummocks of <i>Sphagnum capillifolium</i> . | | |



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|---------------------------------|----------|---|----------------|----------|----------------|
| Quadrat no. | 51 | Date | 12th July 2023 | Grid Ref | H5235796472 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Calluna vulgaris</i> | 65 | <i>Sphagnum capillifolium</i> | 8 | | |
| <i>Eriophorum vaginatum</i> | 45 | <i>Rhytidiadelphus loreus</i> | 55 | | |
| <i>Empetrum nigrum</i> | 8 | <i>Thuidium tamariscinum</i> | 5 | | |
| <i>Eriophorum angustifolium</i> | 3 | <i>Sphagnum fallax</i> | 8 | | |
| <i>Deschampsia flexuosa</i> | 2 | <i>Pleurozium schreberi</i> | 20 | | |
| Photo nos. | 51 | Species Total | 10 | | |
| NVC Code | M19 | Site & Vegetation Description | | | |
| | | Peat depth >1m. Sward to 50cm height, Grazing pressure low. | | | |



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|---------------------------------|--|-----------------------------------|----------------|----------|----------------|
| Quadrat no. | 52 | Date | 12th July 2023 | Grid Ref | H5231596359 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Eriophorum vaginatum</i> | 70 | <i>Sphagnum fallax</i> | 10 | | |
| <i>Deschampsia flexuosa</i> | 10 | <i>Rhytidiadelphus squarrosus</i> | 40 | | |
| <i>Calluna vulgaris</i> | 15 | <i>Hylocomium splendens</i> | 15 | | |
| <i>Anthoxanthum odoratum</i> | 3 | <i>Pleurozium schreberi</i> | 8 | | |
| <i>Potentilla erecta</i> | 8 | | | | |
| <i>Molinia caerulea</i> | 8 | | | | |
| <i>Juncus squarrosus</i> | 8 | | | | |
| <i>Eriophorum angustifolium</i> | 3 | | | | |
| Photo nos. | 52 | Species Total | 12 | | |
| NVC Code | Site & Vegetation Description | | | | |
| M20/unclassified wet heath | Peat depth variable, to >1m. Mire with minor element of acid grassland. Sward patchy, to 60cm height. Grazing pressure moderate to high. | | | | |



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|------------------------------|---|-----------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 53 | 12th July 2023 | H5231096233 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Juncus acutiflorus</i> | 60 | <i>Rhynidiadelphus squarrosus</i> | 15 |
| <i>Juncus effusus</i> | 10 | | |
| <i>Juncus conglomeratus</i> | 3 | | |
| <i>Ranunculus repens</i> | 8 | | |
| <i>Trifolium repens</i> | 30 | | |
| <i>Holcus lanatus</i> | 25 | | |
| <i>Anthoxanthum odoratum</i> | 3 | | |
| Photo nos. | 53 | Species Total | 8 |
| NVC Code | Site & Vegetation Description | | |
| M23a/MG10 mosaic | Peat depth to 40cm. Rush pasture with minor element of wet grassland; flushed area with small stream nearby. Grazing pressure moderate. Sward tight, hence scant bryophyte layer, to 70cm height. | | |



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|---------------------------|--|--------------------------------|----------------|
| Quadrat no. | Date | | Grid Ref |
| 54 | 12th July 2023 | | H5227296181 |
| Quadrat size | Surveyor | | Site |
| 2m x 2m | KH | | Mullaghclogher |
| Species | %age cvr | Species | %age cvr |
| <i>Juncus acutiflorus</i> | 75 | <i>Rhynchospora squarrosus</i> | 45 |
| <i>Juncus squarrosus</i> | 8 | | |
| <i>Holcus lanatus</i> | 40 | Sheep dung | 8 |
| Photo nos. | 54 | Species Total | 4 |
| NVC Code | Site & Vegetation Description | | |
| M23a/MG10 mosaic | Peat depth >1m. Rush pasture/wet grassland mosaic. Sward open, moderately grazed, to 70cm height. | | |



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|-----------------------------|---|-----------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 55 | 12th July 2023 | H5223196107 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Juncus acutiflorus</i> | 75 | <i>Polytrichum commune</i> | 5 |
| <i>Juncus effusus</i> | 5 | <i>Sphagnum palustre</i> | 30 |
| <i>Deschampsia flexuosa</i> | 8 | <i>Sphagnum fallax</i> | 8 |
| <i>Juncus squarrosus</i> | 5 | <i>Rhytidiadelphus squarrosus</i> | 45 |
| <i>Carex nigra</i> | 2 | | |
| <i>Galium saxatile</i> | 3 | | |
| <i>Luzula sylvatica</i> | 5 | | |
| Photo nos. | 55 | Species Total | 11 |
| NVC Code | Site & Vegetation Description | | |
| M23a | Peat depth >1m. Flushed area within wider area of blanket mire. Sward to 70cm height, quite uniform. Grazing pressure low. Small stream nearby. | | |



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|-----------------------------|----------|---|----------------|----------|----------------|
| Quadrat no. | 56 | Date | 12th July 2023 | Grid Ref | H5209796113 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Calluna vulgaris</i> | 60 | <i>Rhytidiadelphus squarrosus</i> | 15 | | |
| <i>Eriophorum vaginatum</i> | 40 | <i>Rhytidiadelphus loreus</i> | 40 | | |
| <i>Erica tetralix</i> | 5 | <i>Hylocomium splendens</i> | 45 | | |
| <i>Deschampsia flexuosa</i> | 10 | | | | |
| <i>Vaccinium myrtillus</i> | 15 | | | | |
| <i>Empetrum nigrum</i> | 8 | | | | |
| Photo nos. | 56 | Species Total | 9 | | |
| NVC Code | M19 | Site & Vegetation Description | | | |
| | | Peat depth >1m. Sward to 80cm height. Grazing pressure low. | | | |



| | | | |
|-----------------------------|--|-------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 57 | 12th July 2023 | H5204695924 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Calluna vulgaris</i> | 70 | <i>Cladonia portentosa</i> | 8 |
| <i>Eriophorum vaginatum</i> | 25 | <i>Rhytidiadelphis loreus</i> | 45 |
| <i>Erica tetralix</i> | 8 | <i>Pleurozium schreberi</i> | 25 |
| <i>Empetrum nigrum</i> | 15 | <i>Sphagnum capillifolium</i> | 20 |
| <i>Vaccinium myrtillus</i> | 8 | <i>Hylocomium splendens</i> | 20 |
| | | <i>Hypnum jutlandicum</i> | 8 |
| Photo nos. | 57 | Species Total | 11 |
| NVC Code | Site & Vegetation Description | | |
| M19 | Peat depth> 1m. Sward tight, to 40cm height. Grazing pressure low. | | |



| | | | |
|-----------------------------|--|-------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 58 | 12th July 2023 | H5209895688 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Calluna vulgaris</i> | 80 | <i>Hypnum jutlandicum</i> | 30 |
| <i>Eriophorum vaginatum</i> | 25 | <i>Cladonia portentosa</i> | 5 |
| <i>Vaccinium myrtillus</i> | 8 | <i>Pleurozium schreberi</i> | 20 |
| <i>Empetrum nigrum</i> | 5 | <i>Rhytidiadelphis loreus</i> | 25 |
| <i>Erica tetralix</i> | 5 | | |
| Photo nos. | 58 | Species Total | 9 |
| NVC Code | Site & Vegetation Description | | |
| M19 | Peat depth >1m. Sward tight, to 40cm height. Grazing pressure low. | | |



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|------------------------------|---|---------------|-----------------------------------|----------|----------------|
| Quadrat no. | 59 | Date | 12th July 2023 | Grid Ref | H5212795551 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | | %age cvr | Species | | %age cvr |
| <i>Juncus effusus</i> | | 75 | <i>Rhytidiadelphus squarrosus</i> | | 70 |
| <i>Holcus lanatus</i> | | 40 | | | |
| <i>Deschampsia flexuosa</i> | | 8 | | | |
| <i>Agrostis canina</i> | | 15 | | | |
| <i>Anthoxanthum odoratum</i> | | 5 | | | |
| <i>Galium saxatile</i> | | 8 | | | |
| Photo nos. | 59 | Species Total | | 7 | |
| NVC Code | Site & Vegetation Description | | | | |
| M23b/MG10 | | | | | |
| mosaic | Rush pasture with minor element of wet grassland. Sward to 1m height and patchy. Grazing pressure moderate. | | | | |



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|-----------------------------|---|-------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 60 | 12th July 2023 | H5185995844 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Calluna vulgaris</i> | 55 | <i>Rhytidiadelphis loreus</i> | 30 |
| <i>Eriophorum vaginatum</i> | 35 | <i>Hylocomium splendens</i> | 45 |
| <i>Erica cinerea</i> | 10 | <i>Hypnum jutlandicum</i> | 15 |
| <i>Erica tetralix</i> | 5 | | |
| <i>Vaccinium myrtillus</i> | 15 | | |
| Photo nos. | 60 | Species Total | 8 |
| NVC Code | Site & Vegetation Description | | |
| M19 | Peat depth > 1m. Sward dense, to 30cm height. Grazing pressure low. | | |



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|---------------------------------|---|---------------|-------------------------------|----------|----------------|
| Quadrat no. | 61 | Date | 12th July 2023 | Grid Ref | H5170495759 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | | %age cvr | Species | | %age cvr |
| <i>Eriophorum vaginatum</i> | | 35 | <i>Rhytidiadelphus loreus</i> | | 85 |
| <i>Juncus squarrosus</i> | | 20 | | | |
| <i>Deschampsia flexuosa</i> | | 8 | Sheep dung | | 3 |
| <i>Empetrum nigrum</i> | | 5 | | | |
| <i>Calluna vulgaris</i> | | 40 | | | |
| <i>Molinia caerulea</i> | | 8 | | | |
| <i>Eriophorum angustifolium</i> | | 5 | | | |
| Photo nos. | 61 | Species Total | | 8 | |
| NVC Code | Site & Vegetation Description | | | | |
| Unclassified | Peat depth to 10cm. Cutover mire, quadrat situated within | | | | |
| wet heath | cutover section. Sward to 40cm height. Grazing pressure | | | | |
| | moderate. Small stream nearby. | | | | |



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|-----------------------------|--|---------------|-----------------------------------|----------|----------------|
| Quadrat no. | 62 | Date | 12th July 2023 | Grid Ref | H5165495717 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | | %age cvr | Species | | %age cvr |
| <i>Eriophorum vaginatum</i> | | 55 | <i>Polytrichum commune</i> | | 8 |
| <i>Juncus squarrosus</i> | | 40 | <i>Rhytidiadelphus squarrosus</i> | | 75 |
| <i>Deschampsia flexuosa</i> | | 15 | | | |
| <i>Molinia caerulea</i> | | 3 | | | |
| <i>Potentilla erecta</i> | | 10 | | | |
| <i>Vaccinium myrtillus</i> | | 3 | | | |
| Photo nos. | 62 | Species Total | | 8 | |
| NVC Code | Site & Vegetation Description | | | | |
| M20/unclassified | Peat depth variable, to >1m. Sward to 40cm height. | | | | |
| wet heath | Grazing pressure | | | | |
| mosaic | moderate to high. | | | | |



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|---------------------------------|--|-------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 63 | 12th July 2023 | H5161995663 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Calluna vulgaris</i> | 75 | <i>Rhytidiadelphis loreus</i> | 70 |
| <i>Eriophorum vaginatum</i> | 35 | <i>Dicranum scoparium</i> | 3 |
| <i>Vaccinium myrtillus</i> | 20 | <i>Hylocomium splendens</i> | 35 |
| <i>Deschampsia flexuosa</i> | 3 | <i>Cladonia portentosa</i> | 3 |
| <i>Narthecium ossifragum</i> | 8 | | |
| <i>Eriophorum angustifolium</i> | 8 | | |
| <i>Empetrum nigrum</i> | 5 | | |
| Photo nos. | 63 | Species Total | 11 |
| NVC Code | Site & Vegetation Description | | |
| M19 | Peat depth >1m. Edge of cutover mire. Sward to 40cm height. Grazing pressure moderate. <i>Calluna</i> age very homogeneous owing to previous fire event. | | |



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|---------------------------------|--|-------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 64 | 12th July 2023 | H5150795582 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Eriophorum vaginatum</i> | 45 | <i>Sphagnum capillifolium</i> | 55 |
| <i>Deschampsia flexuosa</i> | 15 | <i>Rhytidiadelphis loreus</i> | 35 |
| <i>Eriophorum angustifolium</i> | 10 | <i>Polytrichum commune</i> | 5 |
| <i>Agrostis canina</i> | 5 | | |
| <i>Vaccinium myrtillus</i> | 10 | | |
| <i>Galium saxatile</i> | 3 | | |
| <i>Molinia caerulea</i> | 3 | | |
| Photo nos. | 64 | Species Total | 10 |
| NVC Code | Site & Vegetation Description | | |
| Unclassified | Sward continues as M20 to north-east but transitions into | | |
| wet heath | M19 to south-west. Grazing pressure moderate. Sward to 70cm height. Peat depth 45cm. | | |



| | | | |
|-----------------------------|---|-------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 65 | 12th July 2023 | H5144795545 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Calluna vulgaris</i> | 45 | <i>Rhytidiadelphis loreus</i> | 85 |
| <i>Eriophorum vaginatum</i> | 10 | <i>Hylocomium splendens</i> | 10 |
| <i>Vaccinium myrtillus</i> | 70 | | |
| <i>Deschampsia flexuosa</i> | 3 | | |
| <i>Empetrum nigrum</i> | 5 | | |
| Photo nos. | 65 | Species Total | 7 |
| NVC Code | Site & Vegetation Description | | |
| H12 | Peat depth to 30cm. Sward to 35cm height, on slope facing to north-east. Grazing pressure very low. | | |



| | | | |
|-----------------------------|---|-------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 66 | 12th July 2023 | H5136395408 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Calluna vulgaris</i> | 15 | <i>Polytrichum commune</i> | 5 |
| <i>Eriophorum vaginatum</i> | 10 | <i>Rhytidiadelphis loreus</i> | 70 |
| <i>Deschampsia flexuosa</i> | 15 | <i>Pleurozium schreberi</i> | 15 |
| <i>Vaccinium myrtillus</i> | 40 | | |
| <i>Galium saxatile</i> | 8 | Bare rock | 5 |
| Photo nos. | 66 | Species Total | 8 |
| NVC Code | Site & Vegetation Description | | |
| H12 | Peat depth to 10cm. Sward to 40cm height, interspersed with bare rocks on slope facing to north-north-west. | | |
| | Grazing pressure very low. | | |



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|-----------------------------|---|-----------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 67 | 12th July 2023 | H5147795318 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Calluna vulgaris</i> | 35 | <i>Rhytidiadelphis squarrosus</i> | 55 |
| <i>Eriophorum vaginatum</i> | 60 | <i>Hylocomium splendens</i> | 20 |
| <i>Vaccinium myrtillus</i> | 15 | <i>Pleurozium schreberi</i> | 15 |
| <i>Juncus squarrosus</i> | 8 | | |
| <i>Molinia caerulea</i> | 5 | | |
| <i>Galium saxatile</i> | 3 | | |
| <i>Empetrum nigrum</i> | 8 | | |
| <i>Deschampsia flexuosa</i> | 3 | | |
| Photo nos. | 67 | Species Total | 11 |
| NVC Code | Site & Vegetation Description | | |
| Unclassified | Peat depth 45cm. Sward to 40cm height. Grazing pressure | | |
| wet heath | low. | | |



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|-----------------------------|----------|---|----------------|----------|----------------|
| Quadrat no. | 68 | Date | 12th July 2023 | Grid Ref | H5163895169 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Calluna vulgaris</i> | 90 | <i>Rhytidiadelphus loreus</i> | 65 | | |
| <i>Juncus squarrosus</i> | 20 | <i>Pleurozium schreberi</i> | 15 | | |
| <i>Deschampsia flexuosa</i> | 8 | | | | |
| <i>Vaccinium myrtillus</i> | 10 | | | | |
| <i>Galium saxatile</i> | 8 | | | | |
| Photo nos. | 68 | Species Total | 7 | | |
| NVC Code | H12 | Site & Vegetation Description | | | |
| | | Peat depth to 15cm. Sward to 30cm height. Grazing pressure low. | | | |



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|-----------------------------|--|---------------|-----------------------------------|----------|----------------|
| Quadrat no. | 69 | Date | 12th July 2023 | Grid Ref | H5117795229 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | | %age cvr | Species | | %age cvr |
| <i>Eriophorum vaginatum</i> | | 35 | <i>Rhytidiadelphus squarrosus</i> | | 65 |
| <i>Vaccinium myrtillus</i> | | 65 | <i>Rhytidiadelphus loreus</i> | | 25 |
| <i>Deschampsia flexuosa</i> | | 15 | <i>Pleurozium schreberi</i> | | 15 |
| <i>Galium saxatile</i> | | 5 | | | |
| Photo nos. | 69 | Species Total | | | 7 |
| NVC Code | Site & Vegetation Description | | | | |
| M20/H12 mosaic | Peat depth variable, to >1m. Sward to 50cm height. Grazing pressure moderate. | | | | |



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|--------------------------|-------------------------------|-----------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 70 | 30th May 2023 | H5113095978 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Juncus effusus</i> | 95 | <i>Rhytidiadelphus squarrosus</i> | 55 |
| <i>Potentilla erecta</i> | 8 | <i>Hylocomium splendens</i> | 20 |
| <i>Galium saxatile</i> | 5 | | |
| <i>Carex panicea</i> | 2 | | |
| Photo nos. | 70 | Species Total | 6 |
| NVC Code | Site & Vegetation Description | | |
| M23b | Peat depth >1m. | | |



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|---------------------------------|---|-----------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 71 | 28th July 2023 | H5179696293 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Calluna vulgaris</i> | 60 | <i>Rhytidiadelphis squarrosus</i> | 8 |
| <i>Eriophorum vaginatum</i> | 35 | <i>Rhytidiadelphis loreus</i> | 40 |
| <i>Deschampsia flexuosa</i> | 8 | <i>Sphagnum capillifolium</i> | 5 |
| <i>Eriophorum angustifolium</i> | 5 | <i>Sphagnum fallax</i> | 8 |
| <i>Galium saxatile</i> | 1 | <i>Polytrichum commune</i> | 3 |
| <i>Vaccinium myrtillus</i> | 15 | | |
| Photo nos. | 71 | Species Total | 11 |
| NVC Code | Site & Vegetation Description | | |
| M19 | Peat depth >1m. Sward to 80cm height. Grazing pressure low. | | |



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|---------------------------------|--|-------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 72 | 28th May 2023 | H5188796310 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Calluna vulgaris</i> | 20 | <i>Rhytidiadelphis loreus</i> | 80 |
| <i>Eriophorum vaginatum</i> | 65 | <i>Sphagnum capillifolium</i> | 15 |
| <i>Deschampsia flexuosa</i> | 8 | <i>Sphagnum palustre</i> | 8 |
| <i>Vaccinium myrtillus</i> | 3 | | |
| <i>Eriophorum angustifolium</i> | 2 | Bare peat | 8 |
| Photo nos. | 72 | Species Total | 8 |
| NVC Code | Site & Vegetation Description | | |
| M19 | Peat depth >1m. Sward to 60cm height. Grazing pressure low but some evidence of scattered minor foraging excavations by Badgers. | | |



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|---------------------------------|---|-------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 73 | 28th July 2023 | H5194296261 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Calluna vulgaris</i> | 80 | <i>Sphagnum fallax</i> | 3 |
| <i>Eriophorum vaginatum</i> | 35 | <i>Hypnum jutlandicum</i> | 15 |
| <i>Eriophorum angustifolium</i> | 2 | <i>Rhytidiadelphus loreus</i> | 35 |
| <i>Erica tetralix</i> | 1 | <i>Hylocomium splendens</i> | 8 |
| Photo nos. | 73 | Species Total | 8 |
| NVC Code | Site & Vegetation Description | | |
| M19 | Peat depth >1m. Sward to 50cm height. Grazing pressure low. Sward dense in parts so bryophyte layer more sparse than adjacent quadrats. | | |



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|---------------------------------|---|-------------------------------|---------------|----------|----------------|
| Quadrat no. | 74 | Date | 28th May 2023 | Grid Ref | H5201096180 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Calluna vulgaris</i> | 35 | <i>Sphagnum papillosum</i> | 15 | | |
| <i>Eriophorum vaginatum</i> | 80 | <i>Sphagnum capillifolium</i> | 10 | | |
| <i>Empetrum nigrum</i> | 5 | <i>Sphagnum fallax</i> | 10 | | |
| <i>Eriophorum angustifolium</i> | 3 | <i>Hylocomium splendens</i> | 8 | | |
| <i>Erica tetralix</i> | 5 | <i>Rhytidiadelphus loreus</i> | 15 | | |
| Photo nos. | 74 | Species Total | 10 | | |
| NVC Code | Site & Vegetation Description | | | | |
| M19 | Peat depth >1m. Sward to 50cm height. Grazing pressure low. | | | | |



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|-------------------------------|--|-------------------------------|----------------|
| Quadrat no. | Date | | Grid Ref |
| 75 | 28th July 2023 | | H5003197214 |
| Quadrat size | Surveyor | | Site |
| 2m x 2m | KH | | Mullaghclogher |
| Species | %age cvr | Species | %age cvr |
| <i>Potentilla erecta</i> | 10 | <i>Sphagnum capillifolium</i> | 8 |
| <i>Deschampsia caespitosa</i> | 5 | <i>Sphagnum papillosum</i> | 5 |
| <i>Molinia caerulea</i> | 55 | | |
| <i>Calluna vulgaris</i> | 8 | Bare peat | 5 |
| <i>Juncus squarrosus</i> | 35 | | |
| Photo nos. | 75 | Species Total | 7 |
| NVC Code | Site & Vegetation Description | | |
| M25 | Peat depth 40cm. Quadrat adjacent to area of peat cutting. Sward to 20cm height. Grazing pressure low in wider area, less clear in quadrat due to anthropogenic disturbance. | | |



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|-----------------------------|---|-------------------------------|---------------------|----------|----------------|
| Quadrat no. | 76 | Date | 28th September 2023 | Grid Ref | H5009597143 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Calluna vulgaris</i> | 40 | <i>Sphagnum capillifolium</i> | 30 | | |
| <i>Eriophorum vaginatum</i> | 40 | <i>Sphagnum papillosum</i> | 10 | | |
| <i>Deschampsia flexuosa</i> | 5 | <i>Polytrichum commune</i> | 5 | | |
| <i>Molinia caerulea</i> | 10 | <i>Hypnum jutlandicum</i> | 25 | | |
| <i>Potentilla erecta</i> | 2 | | | | |
| <i>Erica tetralix</i> | 3 | | | | |
| Photo nos. | 76 | Species Total | 10 | | |
| NVC Code | Site & Vegetation Description | | | | |
| M19 | Peat depth >1m. Sward to 60cm height. Grazing pressure low. | | | | |



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|----------------------------|---------------------|-----------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 77 | 28th September 2023 | H50123396158 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Cynosurus cristatus</i> | 30 | <i>Rhytidiadelphus squarrosus</i> | 60 |
| <i>Holcus lanatus</i> | 40 | <i>Hylocomium splendens</i> | 35 |
| <i>Trifolium repens</i> | 8 | | |
| <i>Ranunculus repens</i> | 10 | | |
| <i>Juncus acutiflorus</i> | 3 | | |

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|------------|-------------------------------|---------------|---|
| Photo nos. | 77 | Species Total | 7 |
| NVC Code | Site & Vegetation Description | | |
| MG10 | Peat depth 20cm. | | |



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|---------------------------------|----------|-------------------------------|---------------------|----------|----------------|
| Quadrat no. | 78 | Date | 28th September 2023 | Grid Ref | H5036295633 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Calluna vulgaris</i> | 40 | <i>Sphagnum capillifolium</i> | 2 | | |
| <i>Eriophorum vaginatum</i> | 75 | <i>Sphagnum fallax</i> | 8 | | |
| <i>Erica tetralix</i> | 3 | | | | |
| <i>Eriophorum angustifolium</i> | 3 | | | | |
| <i>Vaccinium myrtillus</i> | 1 | | | | |
| <i>Narthecium ossifragum</i> | 1 | | | | |

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|------------|-------------------------------|---------------|---|
| Photo nos. | 78 | Species Total | 8 |
| NVC Code | Site & Vegetation Description | | |
| M19 | Peat depth >1m. | | |



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|-----------------------------|----------|-------------------------------|---------------------|----------|----------------|
| Quadrat no. | 79 | Date | 28th September 2023 | Grid Ref | H5069695704 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Calluna vulgaris</i> | 40 | <i>Rhytidiadelphus loreus</i> | 35 | | |
| <i>Eriophorum vaginatum</i> | 50 | <i>Hylocomium splendens</i> | 45 | | |
| <i>Deschampsia flexuosa</i> | 8 | <i>Hypnum jutlandicum</i> | 2 | | |

| | | | |
|------------|-------------------------------|---------------|---|
| Photo nos. | 79 | Species Total | 6 |
| NVC Code | Site & Vegetation Description | | |
| M19 | Peat depth > 1m. | | |



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|------------------------------|---------------------|-----------------------------------|----------------|--|
| Quadrat no. | Date | | Grid Ref | |
| 80 | 28th September 2023 | | H5082195769 | |
| Quadrat size | Surveyor | | Site | |
| 2m x 2m | KH | | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr | |
| <i>Juncus acutiflorus</i> | 80 | <i>Polytrichum commune</i> | 5 | |
| <i>Anthoxanthum odoratum</i> | 8 | <i>Rhytidiadelphus squarrosus</i> | 45 | |
| <i>Viola palustris</i> | 8 | | | |
| <i>Molinia caerulea</i> | 15 | | | |
| <i>Potentilla erecta</i> | 3 | | | |
| <i>Deschampsia flexuosa</i> | 5 | | | |
| <i>Galium saxatile</i> | 1 | | | |

| | | | |
|----------------------------|-------------------------------|---------------|---|
| Photo nos. | 80 | Species Total | 9 |
| NVC Code | Site & Vegetation Description | | |
| M23a acid grassland mosaic | Peat depth > 1m. | | |



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|-----------------------------|---------------------|-----------------------------------|----------|
| Quadrat no. | Date | Grid Ref | |
| 81 | 28th September 2023 | H5097695870 | |
| Quadrat size | Surveyor | Site | |
| 2m x 2m | KH | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr |
| <i>Calluna vulgaris</i> | 30 | <i>Rhytidiadelphis squarrosus</i> | 75 |
| <i>Eriophorum vaginatum</i> | 55 | <i>Pseudoscleropodium purum</i> | 2 |
| <i>Deschampsia flexuosa</i> | 15 | <i>Hylocomium splendens</i> | 5 |
| <i>Juncus squarrosus</i> | 8 | | |
| <i>Luzula sylvatica</i> | 15 | | |
| <i>Galium saxatile</i> | 3 | | |
| <i>Potentilla erecta</i> | 3 | | |

| | | | |
|-----------------|-------------------------------|---------------|----|
| Photo nos. | 81 | Species Total | 10 |
| NVC Code | Site & Vegetation Description | | |
| M19 / U2 mosaic | Peat depth > 1m. | | |



| | | | | |
|-----------------------------|---------------------|-----------------------------------|----------------|--|
| Quadrat no. | Date | | Grid Ref | |
| 82 | 28th September 2023 | | H5105695910 | |
| Quadrat size | Surveyor | | Site | |
| 2m x 2m | KH | | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr | |
| <i>Juncus effusus</i> | 45 | <i>Rhytidiadelphus squarrosus</i> | 45 | |
| <i>Deschampsia flexuosa</i> | 10 | <i>Pseudoscleopodium purum</i> | 8 | |
| <i>Juncus acutiflorus</i> | 10 | <i>Polytrichum commune</i> | 15 | |
| <i>Nardus stricta</i> | 1 | | | |
| <i>Galium saxatile</i> | 3 | | | |
| <i>Potentilla erecta</i> | 2 | | | |
| <i>Eriophorum vaginatum</i> | 30 | | | |

| | | | |
|--------------------------|-------------------------------|---------------|----|
| Photo nos. | 82 | Species Total | 10 |
| NVC Code | Site & Vegetation Description | | |
| M23a / M23b / M20 mosaic | Peat depth > 1m. | | |



| | | | | | |
|-----------------------------|----------|-----------------------------------|---------------------|----------|----------------|
| Quadrat no. | 83 | Date | 28th September 2023 | Grid Ref | H5120795997 |
| Quadrat size | 2m x 2m | Surveyor | KH | Site | Mullaghclogher |
| Species | %age cvr | Species | %age cvr | | |
| <i>Deschampsia flexuosa</i> | 45 | <i>Rhytidiadelphus squarrosus</i> | 70 | | |
| <i>Agrostis canina</i> | 20 | | | | |
| <i>Holcus lanatus</i> | 30 | Sheep dung | 3 | | |
| <i>Juncus effusus</i> | 5 | | | | |
| <i>Galium saxatile</i> | 2 | | | | |

| | | | |
|------------------------------------|-------------------------------|---------------|---|
| Photo nos. | 83 | Species Total | 6 |
| NVC Code | Site & Vegetation Description | | |
| Unclassified wet heath / U2 mosaic | Peat depth 30cm. | | |



| | | | | |
|------------------------------|---------------------|-----------------------------------|----------------|--|
| Quadrat no. | Date | | Grid Ref | |
| 84 | 28th September 2023 | | H5131796051 | |
| Quadrat size | Surveyor | | Site | |
| 2m x 2m | KH | | Mullaghclogher | |
| Species | %age cvr | Species | %age cvr | |
| <i>Juncus acutiflorus</i> | 75 | <i>Rhytidiadelphus squarrosus</i> | 10 | |
| <i>Nardus stricta</i> | 2 | | | |
| <i>Holcus lanatus</i> | 25 | | | |
| <i>Viola palustris</i> | 2 | | | |
| <i>Anthoxanthum odoratum</i> | 2 | | | |
| <i>Deschampsia flexuosa</i> | 15 | | | |

| | | | |
|--------------------|-------------------------------|---------------|---|
| Photo nos. | 84 | Species Total | 7 |
| NVC Code | Site & Vegetation Description | | |
| M23a / MG10 mosaic | Peat depth 20cm. | | |

