#### Annex 3.4 : Generic Assessment Forms

N.B There are no generic forms for Limestone Pavement, Calcareous Grassland (or Valley Mires, Springs and Flushes, other than alkaline flushes). For these habitats the contractor will need to refer to the relevant FCT and / or IOS and construct their own forms

Blanket Bog Upland Cliffs and Screes Dry Heath Wet Heath Montane Heath Alkaline Flush Scrub

#### Generic dry heath indicators – record in any dry heath and any Nardus grassland below 600m. Mark locations of all stops on map.

| Sub-alpine dry d | warf-shrub heath |       |          |                     |  |
|------------------|------------------|-------|----------|---------------------|--|
| Site name:       |                  | Date: | Surveyor | NVC<br>Communities: |  |
|                  |                  |       |          |                     |  |

| Attributes  |   | Targets   | Sample point   | 1   | 2 |   | 3     | 4      | {     | 5     | 6      | 7      | 8     | 9        | 10   | Commer | nts  |  |                                    |
|---|---|---|--|---|---|---|-------|--------|-------|-------|--------|--------|-------|----------|--|--------|--|--|------------------------------------|
| Vegetation<br>Composition:<br>Frequency of<br>bryophytes and<br>lichens |   | 1) No o<br>non-o<br>Exclude <i>F</i><br>Campylop      | f species of moss<br>crustose lichen pre<br><i>Polytrichum</i> spp. a<br><i>pus</i> spp. | <b>or</b> liverwort <u>or</u><br>esent.<br>nd |   |   |       |        |       |       |        |        |       |          |  |        | Target 1 to be assessed at 1m <sup>2</sup> |  |                                    |
|   |   | 2) Does h<br>type H21<br>usually fo                   | habitat have affiniti<br>(Sphagnum rich, A<br>und on north-facin                         | es with NVC<br>Atlantic heath,<br>ig slopes)? |   |   |       |        |       |       |        |        |       |          |  |        | Target 2                                   | to be assessed a   | t 1m²                              |
| Enter species re  | ecordeo   | d in (1 or 2)   | ) above if known:  |   |   |   |       |        |       |       |        |        |       |          |  |        |  |  |                                    |
| 1   | 2   |   | 3  | 4   | 5 |   |       |        | 6     |       |        |        | 7     |          |  | 8      |  | 9  | 10                                 |
| Table 1 indicate  | or spec   | ies: Arctos   | es: Arctostaphylos spp., Calluna vulgaris,   |   |   |   | mpeti | rum ni | grum, | , Vac | ciniun | n spp. | , Myr | ica gale | e, Salix                                   | repens | , Juniperus                                | communis   |                                    |
|   | Sample point  |   |  |   | 1 | 2 | 3     | 4      | 5     | 6     | 7      | 8      | 9     | 10       |  |        |  |  |                                    |
|   |   | 2) % cover of indicator species from<br>Table 1 above |  |   |   |   |       |        |       |       |        |        |       |          | Target 3 and 4 assessed at 4m <sup>2</sup> |        |  |  |                                    |
| Frequency   |   | 4) No. o  | of indicator species   | from Table 1                                  |   |   |       |        |       |       |        |        |       |          |  |        |  |  |                                    |
|   |   | Has heat  | her (Calluna) flowe  | ered this year?                               |   |   |       |        |       |       |        |        |       |          |  |        |  |  |                                    |
| Enter species re  | ecordeo   | d in 3, or4 a   | above:   |   |   |   |       |        |       |       | ·      |        |       | · · · ·  |  |        |  |  |                                    |
| 1   | 2   | 3 4   |  |   |   | 5 |       |        | 6     | i     |        |        | 7     |          |  | 8      |  | 9  | 10                                 |
| Vegetation<br>Composition:<br>Cover of other sp                         | n:<br>er species  |   |  | nade up of                                    |   |   |       |        |       |       |        |        |       |          |  |        | Target 5,<br>the featur<br>sample lo       | 6, & 7 assessed<br>re as is visible wh<br>ocation (estimate) | for as much of<br>le standing at a |
|   | <ol> <li>% of the vegetation cover made up of bracken.</li> </ol> |   |  | ver made up of                                |   |   |       |        |       |       |        |        |       |          |  |        |  |  |                                    |
|   | 7) % cover of trees and scrub                                     |   |  |   |   |   |       |        |       |       |        |        |       |          |  |        |  |  |                                    |

| Attributes   | Targets Sample point   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Comments   |
|--|--|---|---|---|---|---|---|---|---|---|----|--|
|  | 8) % of the vegetation cover consisting of<br>invasive "weedy" species (collectively<br><i>Cirsium arvense, Cirsium vulgare</i> , large<br>docks (excluding <i>Rumex acetosa</i> ),<br><i>Baspulus reason or Urtice disign</i> |   |   |   |   |   |   |   |   |   |    | Target 8 and 9 assessed at two scales:a) 4m²b) assessed for as much of the feature as isvisible while standing at a sample location.   |
|  | <ul> <li>9) % of the vegetation cover consisting of<br/>Juncus effusus.</li> </ul>   |   |   |   |   |   |   |   |   |   |    |  |
| Vegetation Structure:<br>Disturbance   | 10) Are there any visible signs of<br>burning <b>?</b>   |   |   |   |   |   |   |   |   |   |    | Target 10 - assessed for as much of the feature as is visible while standing at a sample location.   |
|  | 11) % of heath that has been burnt or heavily grazed/trampled  |   |   |   |   |   |   |   |   |   |    | Target 11 - A lack of disturbance is indicated<br>by either the absence of any evidence of<br>charcoal on old stems or on the ground, or<br>the absence of any sharp lines of disparity in<br>height of the dwarf-shrubs (as would be<br>formed at the edge of an area which had<br>been burnt or heavily grazed or trampled). |
| Indicators of heavy browsing   | <ol> <li>% of the shoots of ericaceous dwarf-<br/>shrub species collectively showing<br/>signs of browsing.</li> </ol>   |   |   |   |   |   |   |   |   |   |    | Target 12 - assessed at 4m <sup>2</sup> . This indicator is important  |
| Physical structure:<br>indicators of ground<br>disturbance due to<br>herbivore and human<br>activity | 13) % of the ground cover made up of bare ground*.   |   |   |   |   |   |   |   |   |   |    | Assess at two scales:<br>a) 4m <sup>2</sup> , for diffuse disturbed ground.<br>b) assessed for as much of the feature as is<br>visible while standing at a sample location<br>(estimate).  |

**Feedback (note answers below) :** Is heathland meeting targets but appears to be declining or is the management inappropriate? If so, how? Is heathland failing but appears to be favourable? If so, where? Is failure due to a short term management problem? Does the monitoring result give a misleading impression of condition? Wrong time of year/unrepresentative part of site etc?

# Generic summit montane heath indicators– likely only record on summit plateau of Caw Fell. Mark locations of all stops on map. Siliceous alpine and boreal grasslands U7 and U10

| Sinceous alpine and borear grassianus or and o |            |                           |
|--|------------|---------------------------|
| Unit   | Date       | NGR                       |
| Surveyor                                       | Time taken | Extenuating circumstances |

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| Positive Indicators – tick if present at sample point |   |   |   |   |   |   |   |   |   |    |  |  |  |
|---|---|---|---|---|---|---|---|---|---|----|--|--|--|
| Sample Point  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |  |  |  |
| Alchemilla alpina                                     |   |   |   |   |   |   |   |   |   |    |  |  |  |
| Carex bigelowii                                       |   |   |   |   |   |   |   |   |   |    |  |  |  |
| Cetraria islandica                                    |   |   |   |   |   |   |   |   |   |    |  |  |  |
| Cladonia arbuscula                                    |   |   |   |   |   |   |   |   |   |    |  |  |  |
| Cladonia uncialis                                     |   |   |   |   |   |   |   |   |   |    |  |  |  |
| Dicranum fuscescens                                   |   |   |   |   |   |   |   |   |   |    |  |  |  |
| Empetrum nigrum ssp. Hermaphroditum                   |   |   |   |   |   |   |   |   |   |    |  |  |  |
| Nardus stricta  |   |   |   |   |   |   |   |   |   |    |  |  |  |
| Polytrichum alpinum                                   |   |   |   |   |   |   |   |   |   |    |  |  |  |
| Ptilidium ciliare                                     |   |   |   |   |   |   |   |   |   |    |  |  |  |
| Racomitrium lanuginosum                               |   |   |   |   |   |   |   |   |   |    |  |  |  |
| Rhytidiadelphus loreus                                |   |   |   |   |   |   |   |   |   |    |  |  |  |
| Salix herbacea  |   |   |   |   |   |   |   |   |   |    |  |  |  |
| % cover of the above species collectively             |   |   |   |   |   |   |   |   |   |    |  |  |  |

| Negative Indicators – tick if present at sample point |   |   |   |   |   |   |   |   |   |    |  |  |  |
|---|---|---|---|---|---|---|---|---|---|----|--|--|--|
| Sample point  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |  |  |  |
| Agrostis capillaris                                   |   |   |   |   |   |   |   |   |   |    |  |  |  |
| Agrostis vinealis                                     |   |   |   |   |   |   |   |   |   |    |  |  |  |
| Anthoxanthum odoratum                                 |   |   |   |   |   |   |   |   |   |    |  |  |  |
| Deschampsia flexuosa                                  |   |   |   |   |   |   |   |   |   |    |  |  |  |
| Festuca ovina,/vivipara                               |   |   |   |   |   |   |   |   |   |    |  |  |  |
| Galium saxatile                                       |   |   |   |   |   |   |   |   |   |    |  |  |  |
| Non arctic- alpine Poa species                        |   |   |   |   |   |   |   |   |   |    |  |  |  |
| Potentilla erecta.                                    |   |   |   |   |   |   |   |   |   |    |  |  |  |
| % cover of the above species                          |   |   |   |   |   |   |   |   |   |    |  |  |  |
| collectively  |   |   |   |   |   |   |   |   |   |    |  |  |  |

| Vegetation<br>Composition:<br>cover of non-<br>native species                           | 1) % of the vegetation cover made up of non-native species.  |  |  |  |  |  | Target 1 - Assessed at 4m <sup>2</sup>   |
|---|--|--|--|--|--|--|--|
| Vegetation  | 1) % of grass and sedge tillers uprooted   |  |  |  |  |  | Targets 1-3 - Assessed at 4m <sup>2</sup> .  |
| Indicators of<br>current<br>grazing   | 2) % of live leaves and/or flowers of any of<br>Alchemilla alpina, Carex bigelowii, Deschampsia,<br>Festuca ovina/vivipara, Juncus trifidus, Nardus<br>stricta, Sibbaldia procumbens, Thymus polytrichus<br>showing evidence of grazing. |  |  |  |  |  |  |
|   | 3) % of live leaves of any of <i>Agrostis capillaris,</i><br><i>Agrostis vinealis, Anthoxanthum odoratum</i> or <i>Poa</i><br><i>species</i> with any evidence of grazing.   |  |  |  |  |  |  |
| Vegetation<br>structure –<br>presence of<br>burnt<br>vegetation                         | 1) Are there any visible signs of burning?   |  |  |  |  |  | Targets 1 Assessed for as much of the feature as is visible while standing at a sample location.   |
| Indicators of<br>ground<br>disturbance<br>due to<br>herbivore and<br>human<br>activity. | 1) % of the vegetation cover crushed, broken, and/or pulled-up.  |  |  |  |  |  | Target 1 – Assessed at two scales: (a) 4m2 for<br>diffuse disturbed ground; and (b) for as much of the<br>feature as is visible while standing at a sample<br>location, for distinct and clearly defined paths.<br>*Disturbed bare ground = hoof, foot or vehicle<br>imprinted bare humus, bare peat, soil covered only<br>by algal mats, bare mineral soil, or bare gravel. |
|   | 2) % of the ground cover made up of bare ground  |  |  |  |  |  | Assess at two scales:<br>a) 4m <sup>2</sup> , for diffuse disturbed ground.  |
|   |  |  |  |  |  |  | b) assessed for as much of the feature as is visible<br>while standing at a sample location (estimate)   |

## Generic slope montane heath indicators – record within Nardus grassland above 600m. Mark locations of all stops on map.

| Unit         Date         NGR           Surveyor         Time taken         Extenuating circumstances           Attribute         Scale         1         2         3         4         5         6         7         8         9         10           No of species of dwarf shrub 4m²         4m²         3         4         5         6         7         8         9         10           Attribute         4m²         3         4         5         6         7         8         9         10           Avari shrub 4m²         4m²         4  | Siliceous alpine    | and boreal head | ath H19 |      |       |   |   |   | 1           |             |       |    |
|--|---------------------|-----------------|---------|------|-------|---|---|---|-------------|-------------|-------|----|
| Surveyor       Time taken       Extenuating circumstances         Attribute       Scale       1       2       3       4       5       6       7       8       9       10         No of species of dwarf shrub       4m²       4m²       6       6       7       8       9       10         Total no of species of moss, iverwort and non-reutsole lichen and species of strutsole lichen and species (Dwarf shrub, and   | Unit                |                 |         | Date |       |   |   |   | NGR         |             |       |    |
| Attribute       Scale       1       2       3       4       5       6       7       8       9       10         No of species of<br>dwarf shub       4m²       4m²       6       7       8       9       10         Total no of<br>species of moss,<br>liverwort and non-<br>crustose lichen       4m²       6       7       8       9       10         Kower of rve<br>indicator species<br>(Dwarf shrubs,<br>Juniper, Cladonia<br>spp, Racomitrum,<br>Cetraria islandica       4m²       6       6       7       8       9       10         Konon-native<br>species of<br>construitum,<br>6 of Agrostis cap,<br>Anthoxanthum,<br>Des flex, Festuca<br>vinal/Wipra,<br>Galium sax, non<br>alpine Poas,<br>Potentilla erecta       4m²       6       6       7       8       9       10         Koris cap,<br>Anthoxanthum,<br>Des flex, Festuca<br>vinal/Wipra,<br>Galium sax, non<br>alpine Poas,<br>Potentilla erecta       4m²       6  | Surveyor            |                 |         | Time | taken |   |   |   | Extenuating | g circumsta | ances |    |
| Attribute         Scale         1         2         3         4         5         6         7         8         9         10           No of species of<br>species of moss,<br>iverwort and non-<br>crustose lichen         4m²  |                     |                 | 1       | I    | 1     | 1 | 1 |   | I           |             | 1     |    |
| No of species of dwarf shrub 4m <sup>2</sup><br>Total no of species of moss, liverwort and non- rustose lichen 4m <sup>2</sup><br>% cover of +ve indicator species (Dwarf shrubs, Juniper, Cladonia spo, Racomitrium, Cetrania Islandica 4m <sup>2</sup><br>% non-native all feature visible from point 9 of the structure   | Attribute           | Scale           | 1       | 2    | 3     | 4 | 5 | 6 | 7           | 8           | 9     | 10 |
| dwarf shrub<br>4m²<br>Total no of<br>species of moss,<br>pecies of moss,<br>w cover of +ve<br>indicator species<br>(Dwarf shrubs,<br>Juniper, Cladonia<br>spp, Racomitrium,<br>Cetariaria islandica<br>4m²<br>* non-native<br>species<br>all feature<br>visible from<br>point<br>* of Agrostis cap,<br>Anthoxanthum,<br>Des flex, Festuca<br>vinal/vipara, non<br>alpine Poas,<br>Poatentila erecta<br>4m²<br>* of live leaves of<br>Carex big, Des<br>* of shocts of<br>ymarf shrubs<br>* of shocts of<br>ymarf shrubs<br>* of shocts of<br>ymarf shrubs<br>* of any care and the shrub show in the shrub shrub show in the shrub   | No of species of    |                 |         |      |       |   |   |   |             |             |       |    |
| 4m²  | dwarf shrub         |                 |         |      |       |   |   |   |             |             |       |    |
| Total no of species of moss, liverwort and non-<br>crustose lichen 4m <sup>2</sup><br>% cover of +ve<br>indicator species<br>(Dwarf shrubs,<br>Juniper, Cladonia<br>spp, Racomitrium,<br>Cettrata islandica 4m <sup>2</sup><br>% non-native<br>species wisible from<br>point 4m <sup>2</sup><br>% of Agrostis cap,<br>Anthoxantum,<br>Des flex, Festuca<br>vinal/vilipara,<br>Galium sax, non<br>alpine Poas,<br>Oto filve leaves of<br>Carex big, Des<br>Kax, Fest ov/viv,<br>showing signs of<br>grazing 4m <sup>2</sup><br>% of shoots of<br>Jwarf shrubs<br>grazed 4m <sup>2</sup><br>Are there any<br>all feature<br>(sible sinos of<br>Juniper (Ladonia<br>spine Poas,<br>all feature<br>(sible sinos of<br>Juniper (Ladonia<br>spine Poas,<br>all (stature)<br>showing signs of<br>grazed 4m <sup>2</sup><br>Are there any<br>all feature<br>(sible sinos of<br>Juniper (Ladonia<br>spine Poas)<br>all (stature)<br>showing signs of<br>Juniper (Ladonia<br>spine Poas)<br>all (stature)<br>showing signs of<br>Juniper (stature)<br>all |                     | 4m <sup>2</sup> |         |      |       |   |   |   |             |             |       |    |
| species of moss,<br>liverwort and non-<br>crustose lichen 4m <sup>2</sup><br>% cover of +ve<br>% of lacture<br>visible from<br>point<br>% of Agrostis cap,<br>Anthoxanthum,<br>Des flex, Festuca<br>vina/vivipara,<br>Galium sax, non<br>alpine Poas,<br>% of live leaves of<br>Carex big, Des<br>lex, Fest ov/viv,<br>showing signs of<br>jrazing 4m <sup>2</sup><br>% of shoots of<br>hwarf shrubs<br>jrazed 4m <sup>2</sup><br>% of leave of<br>lex fest ov/viv,<br>showing signs of<br>jrazed 4m <sup>2</sup><br>% of leave of<br>lex fest ov/viv,<br>showing signs of<br>jrazed 4m <sup>2</sup><br>% of leave of<br>% of shoots of<br>hwarf shrubs<br>jrazed 4m <sup>2</sup><br>% of leave of<br>% of shoots of<br>hwarf shrubs<br>jrazed 4m <sup>2</sup><br>% of leave of<br>% of shoots of<br>hwarf shrubs<br>jrazed 4m <sup>2</sup><br>% of leave of<br>% of shoots of<br>hwarf shrubs<br>jrazed 4m <sup>2</sup><br>% of leave of<br>% of shoots of<br>hwarf shrubs<br>jrazed 4m <sup>2</sup><br>% of leave of<br>% of shoots of<br>hwarf shrubs<br>% of leave of<br>% of shoots of<br>% of shoots of<br>hwarf shrubs<br>% of leave of<br>% of shoots of<br>% of s   | Total no of         |                 |         |      |       |   |   |   |             |             |       |    |
| liverwort and non-<br>crustose lichen<br>% cover of +ve<br>indicator species<br>(Dwarf shrubs,<br>Juniper, Cladonia<br>spp, Racomitrium,<br>Cetraria islandica<br>% non-native<br>species<br>% of Agrostis cap,<br>Anthoxanthum,<br>Des flex, Fest uca<br>ovina/vivipara,<br>Galium sax, non<br>alpine Poas,<br>Potentilla erecta<br>% of live leaves of<br>Carex big, Des<br>flex, Fest ov/viv,<br>showing signs of<br>grazing<br>% of shoots of<br>twarf shrubs<br>grazed<br>% aff live leaves of<br>Carex big, Des<br>flex, Fest ov/viv,<br>showing signs of<br>grazed 4m <sup>2</sup><br>% all feature<br>% a   | species of moss,    |                 |         |      |       |   |   |   |             |             |       |    |
| crustose lichen 4m <sup>2</sup> //>  | liverwort and non-  |                 |         |      |       |   |   |   |             |             |       |    |
| % cover of +ve<br>indicator species<br>(Dwarf shrubs,<br>Juniper, Cladonia<br>spp, Racomitrium,<br>Cetraria islandica 4m <sup>2</sup><br>% non-native<br>species all feature<br>visible from<br>point<br>% of Agrostis cap,<br>Anthoxanthum,<br>Des flex, Festuca<br>ovina/vipara,<br>Galium sax, non<br>alpine Poas,<br>Potentilla erecta 4m <sup>2</sup><br>% of live leaves of<br>Carex big, Des<br>lex, Fest ov/viv,<br>showing signs of<br>grazing 4m <sup>2</sup><br>% of shoots of<br>fwarf shrubs<br>grazed 4m <sup>2</sup><br>all feature<br>i all          | crustose lichen     | 4m <sup>2</sup> |         |      |       |   |   |   |             |             |       |    |
| Indicator species<br>(Dwarf shrubs,<br>Juniper, Cladonia<br>spp, Racomitrium,<br>Cetraria islandica 4m <sup>2</sup><br>all feature<br>visible from<br>point<br>% of Agrostis cap,<br>Anthoxanthum,<br>Des flex, Festuca<br>ovina/vivipara,<br>Galium sax, non<br>alpine Poas,<br>Potentilla erecta 4m <sup>2</sup><br>% of live leaves of<br>Carex big, Des<br>lex, Fest ov/viv,<br>showing signs of<br>grazing 4m <sup>2</sup><br>% of shoots of<br>Ywarf shrubs<br>grazed 4m <sup>2</sup><br>all feature<br>i the form<br>point<br>Amage and the form<br>point<br>all feature<br>i the form<br>point<br>all feature<br>i the form<br>point<br>all feature<br>i the form<br>point<br>all feature<br>i the form<br>protection<br>all feature<br>i the form<br>protection<br>all feature<br>all fea   | % cover of +ve      |                 |         |      |       |   |   |   |             |             |       |    |
| (Dwart shrubs,<br>Juniper, Cladonia<br>spp, Racomitrium,<br>Cetraria islandica       4m <sup>2</sup> % non-native<br>species       all feature<br>visible from<br>point       all feature<br>visible from<br>point         % of Agrostis cap,<br>Anthoxanthum,<br>Des flex, Festuca<br>vina/vivipara,<br>Galium sax, non<br>alpine Poas,<br>Potentilla erecta       4m <sup>2</sup> % of live leaves of<br>Carex big, Des<br>lex, Fest ov/viv,<br>showing signs of<br>grazing       4m <sup>2</sup> % of shoets of<br>Varaf shrubs       4m <sup>2</sup> % alf should alf atture<br>visible signs of<br>grazed       4m <sup>2</sup>   | indicator species   |                 |         |      |       |   |   |   |             |             |       |    |
| Juniper, Cladonia<br>spp, Racomitrium,<br>Cetraria islandica<br>% non-native<br>species<br>% of Agrostis cap,<br>Anthoxanthum,<br>Des flex, Festuca<br>vinia/viripera,<br>Galium sax, non<br>alpine Poas,<br>Potentilla erecta<br>% of live leaves of<br>Carex big, Des<br>llex, Fest ou/viv,<br>showing signs of<br>grazing<br>% of shoots of<br>Ywarf shrubs<br>grazed<br>4 m <sup>2</sup><br>% of shoots of<br>Ywarf shrubs<br>grazed<br>4 m <sup>2</sup><br>% of live leaves of<br>Carex big, Des<br>llex, Fest ou/viv,<br>showing signs of<br>grazing<br>4 m <sup>2</sup><br>% of shoots of<br>Ywarf shrubs<br>grazed<br>4 m <sup>2</sup><br>% of live leaves of<br>Carex big, Des<br>llex, Fest ou/viv,<br>showing signs of<br>grazing<br>4 m <sup>2</sup><br>% of shoots of<br>Ywarf shrubs<br>grazed<br>4 m <sup>2</sup><br>% of shoots of<br>Ywarf shrubs<br>grazed<br>4 m <sup>2</sup><br>% of live leaves of<br>Shoots of<br>Ywarf shrubs<br>grazed<br>4 m <sup>2</sup><br>% of shoots of<br>Ywarf shrubs<br>grazed<br>A m <sup>2</sup><br>% of live leaves of<br>Shoots of<br>Ywarf shrubs<br>grazed<br>A m <sup>2</sup><br>% of shoots of<br>Ywarf shrubs<br>yrazed<br>A m <sup>2</sup><br>% of shoots of<br>Ywarf shrubs<br>yrazed<br>A m <sup>2</sup><br>% of shoots of<br>Ywarf shrubs<br>Ymarf shrubs<br>Ymar   | (Dwarf shrubs,      |                 |         |      |       |   |   |   |             |             |       |    |
| spp, Racomitrium,   Cetraria islandica   4m²   all feature   species   all feature   yisible from   point     % of Agrostis cap,   Anthoxantum,   Des flex, Festuca   ovina/vivipara,   Galium sax, non   alpine Poas,   Potentilla erecta   4m²   % of ive leaves of   Carex big, Des   flex, Fest ov/viv,   showing signs of   grazing   4m²   % of shoots of   ywarf shrubs   grazed   4m²  | Juniper, Cladonia   |                 |         |      |       |   |   |   |             |             |       |    |
| Cetrain islandica       4m²  | spp, Racomitrium,   |                 |         |      |       |   |   |   |             |             |       |    |
| % non-native species       all feature visible from point         species       all feature visible from point         % of Agrostis cap, Anthoxanthum, Des flex, Festuca ovina/vivipara, Galium sax, non alpine Poas, Potentilla erecta       4m²         You fully be specified on the specified on t   | Cetraria islandica  | 4m <sup>2</sup> |         |      |       |   |   |   |             |             |       |    |
| species       visible from point         % of Agrostis cap, Anthoxanthum, Des flex, Festuca ovina/vivipara, Galium sax, non alpine Poas, Potentilla erecta       4m²         % of Ive leaves of Carex big, Des flex, Fest ov/viv, showing signs of grazing       4m²         % of shoots of dwarf shrubs grazed       4m²         4m²       4m²  | % non-native        | all feature     |         |      |       |   |   |   |             |             |       |    |
| point     od Agrostis cap,       Anthoxanthum,       Des flex, Festuca       ovina/vivipara,       Galium sax, non       algine Poas,       Potentilla erecta       4m <sup>2</sup> of live leaves of       Carex big, Des       flex, Fest ov/viv,       showing signs of       grazing       4m <sup>2</sup> all feature       all releaves       4m <sup>2</sup>  | species             | visible from    |         |      |       |   |   |   |             |             |       |    |
| % of Agrostis cap,<br>Anthoxanthum,<br>Des flex, Festuca<br>ovina/vivipara,<br>Galium sax, non<br>alpine Poas,<br>Potentilla erecta 4m <sup>2</sup><br>% of live leaves of<br>Carex big, Des<br>flex, Fest ov/viv,<br>showing signs of<br>grazing 4m <sup>2</sup><br>% of shoots of<br>dwarf shrubs<br>grazed 4m <sup>2</sup><br>% all feature<br>wishe signs of   |                     | point           |         |      |       |   |   |   |             |             |       |    |
| Anthoxanthum,<br>Des flex, Festuca<br>ovina/vivipara,<br>Galium sax, non<br>alpine Poas,<br>Potentilla erecta 4m <sup>2</sup><br>% of live leaves of<br>Carex big, Des<br>flex, Fest ov/viv,<br>showing signs of<br>grazing 4m <sup>2</sup><br>% of shoots of<br>dwarf shrubs<br>grazed 4m <sup>2</sup><br>Are there any<br>visible signs of   | % of Agrostis cap,  |                 |         |      |       |   |   |   |             |             |       |    |
| Des flex, Festuca<br>ovina/vivipara,<br>Galium sax, non<br>alpine Poas,<br>Potentilla erecta 4m <sup>2</sup><br>% of live leaves of<br>Carex big, Des<br>flex, Fest ov/viv,<br>showing signs of<br>grazing 4m <sup>2</sup><br>% of shoots of<br>dwarf shrubs<br>grazed 4m <sup>2</sup><br>Are there any<br>visible signs of  | Anthoxanthum,       |                 |         |      |       |   |   |   |             |             |       |    |
| ovina/vivipara,<br>Galium sax, non<br>alpine Poas,<br>Potentilla erecta 4m <sup>2</sup><br>% of live leaves of<br>Carex big, Des<br>flex, Fest ov/viv,<br>showing signs of<br>grazing 4m <sup>2</sup><br>% of shoots of<br>dwarf shrubs<br>grazed 4m <sup>2</sup><br>Are there any<br>visible signs of   | Des flex, Festuca   |                 |         |      |       |   |   |   |             |             |       |    |
| Galium sax, non       alpine Poas,         Potentilla erecta       4m <sup>2</sup> % of live leaves of       Carex big, Des         Carex big, Des       flex, Fest ov/viv,         showing signs of       4m <sup>2</sup> % of shoots of       4m <sup>2</sup> % of shoots of       4m <sup>2</sup> % of shoots of       4m <sup>2</sup> % all feature       all feature         with of       all feature  | ovina/vivipara,     |                 |         |      |       |   |   |   |             |             |       |    |
| alpine Poas,       4m <sup>2</sup>   | Galium sax, non     |                 |         |      |       |   |   |   |             |             |       |    |
| Potentilla erecta       4m²       Image: constraint of the state of the s  | alpine Poas,        |                 |         |      |       |   |   |   |             |             |       |    |
| % of live leaves of<br>Carex big, Des<br>flex, Fest ov/viv,<br>showing signs of<br>grazing       4m <sup>2</sup> % of shoots of<br>dwarf shrubs       4m <sup>2</sup> % of shoots of<br>dwarf shrubs       4m <sup>2</sup> all feature<br>visible signs of       all feature   | Potentilla erecta   | 4m <sup>2</sup> |         |      |       |   |   |   |             |             |       |    |
| Carex big, Des<br>flex, Fest ov/viv,<br>showing signs of<br>grazing 4m <sup>2</sup><br>% of shoots of<br>dwarf shrubs<br>grazed 4m <sup>2</sup><br>Are there any<br>visible signs of all feature   | % of live leaves of |                 |         |      |       |   |   |   |             |             |       |    |
| flex, Fest ov/viv,<br>showing signs of<br>grazing       4m <sup>2</sup> % of shoots of<br>dwarf shrubs<br>grazed       4m <sup>2</sup> Are there any<br>visible signs of<br>of       all feature<br>of the formed  | Carex big, Des      |                 |         |      |       |   |   |   |             |             |       |    |
| showing signs of<br>grazing 4m <sup>2</sup><br>% of shoots of<br>dwarf shrubs<br>grazed 4m <sup>2</sup><br>Are there any<br>visible signs of all feature   | flex, Fest ov/viv,  |                 |         |      |       |   |   |   |             |             |       |    |
| grazing     4m <sup>2</sup> % of shoots of<br>dwarf shrubs<br>grazed     4m <sup>2</sup> Are there any<br>visible signs of     all feature   | showing signs of    |                 |         |      |       |   |   |   |             |             |       |    |
| % of shoots of       dwarf shrubs         dwarf shrubs       4m <sup>2</sup> grazed       4m <sup>2</sup> Are there any       all feature         visible signs of       if it is the form   | grazing             | 4m <sup>2</sup> |         |      |       |   |   |   |             |             |       |    |
| dwarf shrubs     grazed     4m <sup>2</sup> Are there any     all feature       visible signs of     with the form   | % of shoots of      |                 |         |      |       |   |   |   |             |             |       |    |
| grazed     4m <sup>2</sup> Are there any     all feature       visible signs of     attribute  | dwarf shrubs        |                 |         |      |       |   |   |   |             |             |       |    |
| Are there any all feature visible signs of   | grazed              | 4m <sup>2</sup> |         |      |       |   |   |   |             |             |       |    |
| visible signs of   | Are there any       | all feature     |         |      |       |   |   |   |             |             |       |    |
|  | visible signs of    | visible from    |         |      |       |   |   |   |             |             |       |    |
| purning?   | burning?            | noint           |         |      |       |   |   |   |             |             |       |    |

| Attribute               | Scale                                | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-------------------------|--------------------------------------|---|---|---|---|---|---|---|---|---|----|
| % disturbed bare ground | 4m <sup>2</sup>                      |   |   |   |   |   |   |   |   |   |    |
| % disturbed bare ground | all feature<br>visible from<br>point |   |   |   |   |   |   |   |   |   |    |
| COMMENTS                |                                      |   |   |   |   |   |   |   |   |   |    |
|                         |                                      |   |   |   |   |   |   |   |   |   |    |
|                         |                                      |   |   |   |   |   |   |   |   |   |    |
|                         |                                      |   |   |   |   |   |   |   |   |   |    |
| CONDITION               |                                      |   |   |   |   |   |   |   |   |   |    |
|                         |                                      |   |   |   |   |   |   |   |   |   |    |
|                         |                                      |   |   |   |   |   |   |   |   |   |    |
|                         |                                      |   |   |   |   |   |   |   |   |   |    |
|                         |                                      |   |   |   |   |   |   |   |   |   |    |

# Generic Wet Heath indicators – record in locations that could be wet heath (peat <40cm depth) - M15, M25, U6. Mark locations of all stops on map.

| Date:  |   |                 |   |   |   |   |   |   |   |   |   |    |       |
|--|---|-----------------|---|---|---|---|---|---|---|---|---|----|-------|
| Surveyor:  |   |                 |   |   |   |   |   |   |   |   |   |    |       |
| Sample Point   |   |                 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Total |
| NVC (if known)   |   |                 |   |   |   |   |   |   |   |   |   |    |       |
| Table 1 % cover of spe   | cies in 4m <sup>2</sup> quadrat   |                 |   |   |   |   |   |   |   |   |   |    |       |
| group (i) species  | Carex species   | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
|  | Drosera species   | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
|  | non-crustose lichens  | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
|  | Rhynchospora alba   | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
|  | Sphagnum species  | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
|  | Trichophorum cespitosum   | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| group (ii) species   | Calluna vulgaris  | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
|  | Erica cinerea   | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
|  | Erica tetralix  | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
|  | 4m <sup>2</sup>   |                 |   |   |   |   |   |   |   |   |   |    |       |
|  | 4m <sup>2</sup>   |                 |   |   |   |   |   |   |   |   |   |    |       |
|  | Salix repens  | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
|  | Vaccinium myrtillus   | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
|  | Vaccinium oxycoccos   | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| Vegetation compositio  | n – frequency and cover   |                 |   |   |   |   |   |   |   |   |   |    |       |
| 2. Is Erica tetralix prese   | ent?  | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| 2a. Has heather (Callun  | a) flowered this year?  |                 |   |   |   |   |   |   |   |   |   |    |       |
| 3. ≥ 25% of vegetation<br>≥ 25% of group (ii) spec                                       | cover should consist of group (i) and<br>cies (Table 1 above)? [Fill in | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| afterwards   |   |                 |   |   |   |   |   |   |   |   |   |    |       |
| 4. % of vegetation cove<br>trees and scrub. Exclud                                       | er made up of a scattered native<br>e <i>Myrica gale</i>                | Visible         |   |   |   |   |   |   |   |   |   |    |       |
| 5. % vegetation cover  | of bracken  | Visible         |   |   |   |   |   |   |   |   |   |    |       |
| 6. % of vegetation cover made up of non-native spp. Give species & %                     |   | Visible         |   |   |   |   |   |   |   |   |   |    |       |
| 7. % of vegetation cove  | er consisting of, collectively, Agrostis                                | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| capillaris, Holcus lanatus, Phragmites australis, Ranunculus repens? Give species and %. |   | Visible         |   |   |   |   |   |   |   |   |   |    |       |
| 8. % of vegetation cove  | er consisting of Juncus effusus? Give                                   | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| % for those ≥10%.  |   | Visible         |   |   |   |   |   |   |   |   |   |    |       |

| 9. Neither (a) dwarf-shrubs; or (b) graminoids make up >75% of vegetation cover? Give (a) or (b) and % cover.   | 4m <sup>2</sup> |            |            |               |            |                 |    |   |   |   |    |       |
|---|-----------------|------------|------------|---------------|------------|-----------------|----|---|---|---|----|-------|
| Vegetation composition – indicators of browsing.  |                 |            |            |               |            | • • • •         |    |   |   |   |    |       |
| 10. % of shoots of dwarf-shrubs species collectively (excluding <i>Myrica gale</i> ), showing signs of browsing.  | 4m <sup>2</sup> |            |            |               |            |                 |    |   |   |   |    |       |
| <ul><li>11. Where there is <i>Myrica gale</i> (at any stage of re-growth),</li><li>% of the shoots of the dwarf-shrubs, collectively, showing signs of browsing.</li></ul>  | 4m²             |            |            |               |            |                 |    |   |   |   |    |       |
| Vegetation structure – disturbance.   |                 | 1          | 2          | 3             | 4          | 5               | 6  | 7 | 8 | 9 | 10 | Total |
| 12. Are there any visible signs of burning?   | Visible         |            |            | 1             |            |                 |    |   |   |   |    |       |
| Physical structure – indicators of increased drainage and dry   | /ing-out, and   | d peat er  | osion.     | · · · ·       |            | • <b>••••</b> • |    |   |   |   |    |       |
| 13. % of the total feature area showing signs of drainage,<br>resulting from ditches or heavy trampling or tracking? If<br>there is doubt about the cause of active drainage then<br>assume that the target fails. Failure of the target should<br>also be recorded if any evidence of this is found while<br>walking between sample locations. | Visible         |            |            |               |            |                 |    |   |   |   |    |       |
| 14. Is the area of eroding peat or mineral soil less than the area of re-deposition and re-vegetation within the feature?   | Visible         |            |            |               |            |                 |    |   |   |   |    |       |
| Physical structure: indicators of ground disturbance due to   | herbivore a     | nd huma    | n activity | · · · · ·     |            | · · · · ·       |    |   |   |   |    |       |
| 15. % of the <i>Sphagnum</i> cover should be crushed, broken, and/or pulled-up?   | 4m <sup>2</sup> |            |            |               |            |                 |    |   |   |   |    |       |
| 16. % of the ground cover disturbed bare ground (hoof,  | 4m <sup>2</sup> |            |            |               |            |                 |    |   |   |   |    |       |
| foot or tyre imprinted bare ground or soil covered only by algal mats, bare mineral soil or bare gravel)  | Visible         |            |            |               |            |                 |    |   |   |   |    |       |
| Is the wet heath meeting targets but appears to be declining  | or is the ma    | nagemer    | nt inappro | priate? If so | how?       |                 |    |   |   |   |    |       |
| Is the wet heath failing but appears to be favourable? If so w  | here? Is failu  | ire due to | a short te | erm manag     | ement pro  | blem?           |    |   |   |   |    |       |
| Does the monitoring result give a misleading impression of co   | ondition? Wr    | ong time   | of year/u  | nrepresent    | ative part | of site etc     | c? |   |   |   |    |       |

## Generic Blanket bog indicators – record on all stops where peat>40cm deep. Mark locations of all stops on map.

| Date:  |                 |   |   |   |   |   |   |   |   |   |    |       |
|--|-----------------|---|---|---|---|---|---|---|---|---|----|-------|
| Surveyor:  |                 |   |   |   |   |   |   |   |   |   |    |       |
| Tick presence of spp. in 4m <sup>2</sup> quadrat                               | Scale           | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Total |
| NVC if known   | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| Calluna vulgaris (% cover as well)   | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| Drosera species  | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| Erica cinerea  | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| Erica tetralix (% cover as well)   | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| Empetrum nigrum  | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| Eriophorum angustifolium   | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| Eriophorum vaginatum (% cover as well)   | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| Menyanthes trifoliata  | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| Myrica gale  | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| Narthecium ossifragum  | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| Rubus chamaemorus  | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| Rhynchospora alba  | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| Sphagnum spp (% cover as well)   | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| Number of species of Sphagnum (excluding S. fallax)                            | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| Trichophorum cespitosum  | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| Vaccinium myrtillus  | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| Vaccinium oxycoccos  | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| Non-crustose lichens   | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| Pleurocarpous mosses   | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| Racomitrium lanuginosum  | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| TOTAL NUMBER OF SPECIES  | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| Vegetation composition – frequency of indicator species                        |                 |   |   |   |   |   |   |   |   |   |    |       |
| 2. Are there at least 6 indicator species? [fill in at end]                    | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| 3. Is there at least 1 species of <i>Sphagnum</i> excluding <i>S. fallax</i> ? | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| Y/N  | 4111            |   |   |   |   |   |   |   |   |   |    |       |
| Vegetation composition – cover of indicator species                            | 1               |   | 1 |   |   | 1 | 1 | 1 | 1 |   |    |       |
| 4. Is >75% of the vegetation cover made up of the indicator                    | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| species? Y/N (exclude Sphagnum fallax)   |                 |   |   |   |   |   |   |   |   |   |    |       |
| 5. Does either E. vaginatum, or one ericaceous species or                      | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| Trichophorum exceed 75% of the vegetation cover? Y/N                           |                 |   |   |   |   |   |   |   |   |   |    |       |
| 6. Does the average cover of <i>Sphagnum</i> species exceed 25%?               | 4m <sup>2</sup> |   |   |   |   |   |   |   |   |   |    |       |
| Y/N  |                 |   |   |   |   |   |   |   |   |   |    |       |
| Cover of other species   |                 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Total |

| 7. % cover of non-native species (assess all visible feature from each sample point)?                                       | Visible          |            |           |            |           |     |  |   |  |  |   |  |
|---|------------------|------------|-----------|------------|-----------|-----|--|---|--|--|---|--|
| 8. % cover made up of a scattered canopy of trees and shrubs. (exclude <i>Myrica gale</i> )?                                | Visible          |            |           |            |           |     |  |   |  |  |   |  |
| 9 % of vegetation cover made-up, collectively, of Agrositis   | 4m <sup>2</sup>  |            |           |            |           |     |  |   |  |  |   |  |
| capillaris, Holcus lanatus, Phragmites, Pteridium, Ranunculus   | Visible          |            |           |            |           |     |  |   |  |  |   |  |
| repens?   |                  |            |           |            |           |     |  |   |  |  |   |  |
| Vegetation structure - indicators of grazing  |                  |            |           |            |           | 1   |  | 1 |  |  |   |  |
| 10. % of shoots of dwarf-shrub species, collectively (excluding   | 4m <sup>2</sup>  |            |           |            |           |     |  |   |  |  |   |  |
| Nyrica gale), snowing signs of browsing   |                  |            |           |            |           |     |  |   |  |  |   |  |
| 11. Where there is <i>Myrica gale</i> (at any stage of re-growth), %  | 4.002            |            |           |            |           |     |  |   |  |  |   |  |
| of the shoots of the dwart-shrubs, collectively, showing signs  | 4m-              |            |           |            |           |     |  |   |  |  |   |  |
| Vegetation structure Indicators of disturbance  |                  |            |           |            |           |     |  |   |  |  |   |  |
| vegetation structure - indicators of disturbance  |                  |            |           |            |           |     |  |   |  |  |   |  |
| 12. Are there any visible signs of burning?   | Visible          |            |           |            |           |     |  |   |  |  |   |  |
| 13. Are there any signs of other disturbance (e.g. mowing   | Visible          |            |           |            |           |     |  |   |  |  |   |  |
| Physical Structure - Drainage & Drying out  |                  |            |           |            |           |     |  |   |  |  |   |  |
| 14. Is <5% of the total feature area showing signs of drainage,   | Visible          |            |           |            |           |     |  |   |  |  |   |  |
| resulting from ditches or heavy trampling or tracking?  | VISIBLE          |            |           |            |           |     |  |   |  |  |   |  |
| Physical Strucure – indicators of ground disturbance due to her   | pivore and hur   | nan activ  | ity       |            |           |     |  |   |  |  | - |  |
| 15. % of the Sphagnum cover crushed, broken, and/or pulled-   | 4m <sup>2</sup>  |            |           |            |           |     |  |   |  |  |   |  |
| up?   | 4111             |            |           |            |           |     |  |   |  |  |   |  |
| 16. % of the ground cover disturbed bare ground (hoof, foot or  | 4m <sup>2</sup>  |            |           |            |           |     |  |   |  |  |   |  |
| tyre imprinted bare ground or soil covered only by algal mats,  | Visible          |            |           |            |           |     |  |   |  |  |   |  |
| bare mineral soil or bare gravel)?  | VISIOLE          |            |           |            |           |     |  |   |  |  |   |  |
| Is the blanket bog meeting targets but appears to be declining of   | r is the manage  | ement ina  | ppropriat | e? If so h | ow?       |     |  |   |  |  |   |  |
|   |                  |            |           |            |           |     |  |   |  |  |   |  |
|   |                  |            |           |            |           |     |  |   |  |  |   |  |
| Is the blanket bog failing but appears to be favourable? If so whe  | re? Is failure d | ue to a sh | ort term  | managem    | ent probl | em? |  |   |  |  |   |  |
|   |                  |            |           |            |           |     |  |   |  |  |   |  |
|   |                  |            |           |            |           |     |  |   |  |  |   |  |
|   |                  |            |           |            |           |     |  |   |  |  |   |  |
| Does the monitoring result give a misleading impression of condition? Wrong time of year/unrepresentative part of site etc? |                  |            |           |            |           |     |  |   |  |  |   |  |
|   |                  |            |           |            |           |     |  |   |  |  |   |  |
|   |                  |            |           |            |           |     |  |   |  |  |   |  |

| Generic Form for Acidic (S  | Siliceous) Scree   |   |   |
|---|--|---|---|
| Site name:  | Date:  | Surveyor NVC<br>: Communities:  |   |
| Grid<br>Reference:  | Management<br>Unit:  | Sample No:  |   |
| Form Code: CAH02  | Feature Code: 1  | 14.20   |   |
| Attributes  | Targets Sample point   | 1         2         3         4         5         6         7         8         9         10         Comments |   |
| Feature Extent  | No measurable decline.   | Assess at whole feature.  |   |
| Vegetation<br>composition:<br>Diversity   | <ol> <li>Is Cryptogramma crispa<br/>present?</li> <li>Are bryophytes present?</li> </ol>   |   |   |
| Vegetation<br>Composition:<br>Cover of other species                                    | <ol> <li>Less than 1% of vegetation cover<br/>should be made up of non-native<br/>species.</li> </ol>  | All targets – Assessed for as much of the feature as is visible while standing at a sample location.          | ÷ |
|   | <ol> <li>Less than 25% of the ground<br/>cover should be made up of<br/>bracken and/or trees and shrubs<br/>including <i>Calluna, Erica cinerea</i><br/>and <i>Vaccinium myrtillus</i>.</li> </ol>   |   |   |
|   | 5) Less than 1% of vegetation cover<br>should consist of, collectively,<br><i>Cirsium arvense</i> , <i>Cirsium</i><br><i>vulgare</i> , <i>Pteridium aquilinum</i> ,<br><i>large docks</i> (excluding <i>Rumex</i><br><i>acetosa</i> ), <i>Rubus fruticosus</i> ,<br><i>Senecio jacobaea</i> , <i>Urtica dioica</i> . |   |   |
| Vegetation Structure:<br>Indicators of current<br>grazing                               | <ol> <li>At least 33% of ground cover<br/>should be free from overgrowth<br/>by vascular plants.</li> </ol>  |   |   |
|   | <ol> <li>Less than 50% of live leaves<br/>(grasses, herbs and ferns) and/or<br/>the shoots (ericaceous dwarf-<br/>shrubs) should show signs of<br/>having been grazed or browsed.</li> </ol>   |   |   |
| Physical Structure:<br>Indicators of ground<br>disturbance due to<br>herbivore activity | <ol> <li>Less than 10% of the ground<br/>cover should be disturbed by<br/>human or animal paths, scree<br/>running, or vehicles.</li> </ol>  |   |   |

| Generic Form for A                          | Acidic (Silice           | ous) rocky slopes   |       |   |   |           |      |   |     |     |       |    |   |
|---|--------------------------|---|-------|---|---|-----------|------|---|-----|-----|-------|----|---|
| Site name:                                  |                          | Date:   |       |   |   | Sur\<br>: | /eyo | r |     |     |       |    | NVC<br>Communities:   |
| Grid<br>Reference:                          |                          | Management<br>Unit:   |       |   |   |           |      |   | ] s | amp | ole N | o: |   |
| Form Code: CAH0 <sup>2</sup>                | 1                        | Feature Code:   | 14.19 | 9 |   |           |      |   |     |     |       |    |   |
| Attributes                                  |                          | Targets Sample point  | 1     | 2 | 3 | 4         | 5    | 6 | 7   | 8   | 9     | 10 | Comments  |
| Feature Extent                              |                          | No measurable decline.  |       |   |   |           |      |   |     |     |       |    | Assess at whole feature.  |
| Vegetation Compo<br>Cover                   | osition:                 | <ol> <li>Less than 1% of vegetation<br/>cover should be made up<br/>of non-native species [<br/>].</li> </ol>   |       |   |   |           |      |   |     |     |       |    | Targets 1, 2 & 3 – Assessed against visual estimate for as much of the feature as is visible while standing at a sample location. |
|   |                          | <ol> <li>Less than 25% of ground<br/>cover should be made up<br/>of bracken, trees and<br/>shrubs.</li> </ol>   |       |   |   |           |      |   |     |     |       |    |   |
| Vegetation Structu<br>Indicators of current | <b>ire:</b><br>t grazing | <ol> <li>Less than 50% of live<br/>leaves (forbs) or the<br/>shoots (dwarf-shrubs)<br/>should show signs of<br/>having been grazed or<br/>browsed.</li> </ol> |       |   |   |           |      |   |     |     |       |    |   |

#### Generic Form for Alkaline fen M10 (Suggest assess any calcareous grasslands while in area)

| Date | Surveyor | Unit |  |
|------|----------|------|--|
|      |          |      |  |

#### 1. Extent/frequency

| Refind community at known locations, or      |  |
|--|--|
| sample equivalent number in locality. Record |  |
| grid refs                                    |  |
|  |  |

## 2. Quality indicators a) Vegetation composition

| Frequency of indicator species (presence/absence)– target is three (assess at 4m <sup>2</sup> sample point) |   |   |   |   |   |  |  |  |  |  |
|---|---|---|---|---|---|--|--|--|--|--|
| Sample Point  | 1 | 2 | 3 | 4 | 5 |  |  |  |  |  |
| Briza media   |   |   |   |   |   |  |  |  |  |  |
| Carex dioica  |   |   |   |   |   |  |  |  |  |  |
| Carex flacca  |   |   |   |   |   |  |  |  |  |  |
| Carex hostiana  |   |   |   |   |   |  |  |  |  |  |
| Carex lepidocarpa   |   |   |   |   |   |  |  |  |  |  |
| Carex panacea   |   |   |   |   |   |  |  |  |  |  |
| Carex pulicaris   |   |   |   |   |   |  |  |  |  |  |
| Juncus articulatus  |   |   |   |   |   |  |  |  |  |  |
| Linum catharticaum  |   |   |   |   |   |  |  |  |  |  |
| Pinguicula vulgaris   |   |   |   |   |   |  |  |  |  |  |
| Primula farinosa  |   |   |   |   |   |  |  |  |  |  |
| Selaginella selaginoides  |   |   |   |   |   |  |  |  |  |  |
| Triglochin palustris  |   |   |   |   |   |  |  |  |  |  |
| TOTAL   |   |   |   |   |   |  |  |  |  |  |

| Cover of indicator species (% cover) - target is 75% of vegetation cover (assess at 4m <sup>2</sup> sample point) |   |   |   |   |   |  |  |  |  |  |
|---|---|---|---|---|---|--|--|--|--|--|
| Sample point  | 1 | 2 | 3 | 4 | 5 |  |  |  |  |  |
| Any moss or liverwort   |   |   |   |   |   |  |  |  |  |  |
| Any small to medium <i>Carex</i>  |   |   |   |   |   |  |  |  |  |  |
| Eleocharis spp.   |   |   |   |   |   |  |  |  |  |  |
| Eriophorum spp  |   |   |   |   |   |  |  |  |  |  |
| Kobresia simpliciuscula   |   |   |   |   |   |  |  |  |  |  |
| Menyanthes trifoliata   |   |   |   |   |   |  |  |  |  |  |
| Molinia caerulea  |   |   |   |   |   |  |  |  |  |  |
| Saxifraga aizoides  |   |   |   |   |   |  |  |  |  |  |
| Schoenus spp  |   |   |   |   |   |  |  |  |  |  |
| Sesleria albicans   |   |   |   |   |   |  |  |  |  |  |
| Total   |   |   |   |   |   |  |  |  |  |  |

| Cover of other plants (% cover plus pass/fail)                     |   |   |   |   |   |
|--|---|---|---|---|---|
| Sample point   | 1 | 2 | 3 | 4 | 5 |
| Less than 1% of vegetation cover should be made up of non-         |   |   |   |   |   |
| native species (assess all visible feature from each sample point) |   |   |   |   |   |
| Less than 1% of vegetation cover should be made up of tree or      |   |   |   |   |   |
| shrub species (assess all visible feature from each sample point)  |   |   |   |   |   |
| Less than 1% vegetation cover should be made up of                 |   |   |   |   |   |
| Anthoxanthum, Epilobium hirsutum, H. lanatus, R. repens (assess    |   |   |   |   |   |
| at 4m <sup>2</sup> sample point)                                   |   |   |   |   |   |
| Less than 10% of the vegetation cover should be made up of         |   |   |   |   |   |
| Juncus effusus and/or Phragmites australis (assess all visible     |   |   |   |   |   |
| feature from each sample point)                                    |   |   |   |   |   |

#### b) Vegetation structure

| Indicators of current grazing (% grazed)   |   |   |   |   |   |  |  |  |  |  |
|--|---|---|---|---|---|--|--|--|--|--|
| Sample point   | 1 | 2 | 3 | 4 | 5 |  |  |  |  |  |
| At least 50% of live leaves and /or flowering shoots of vascular plants should be more than 5cm from ground or top of moss cushion. (Exclude grass inflorescences and big tussocks of <i>Juncus effusus</i> or <i>Molinia</i> ) (assess at 4m <sup>2</sup> sample point) |   |   |   |   |   |  |  |  |  |  |

#### c) Physical structure

| Indicators of excessive drainage, drying – out or trampling/poaching |   |              |                  |                 |   |               |  |  |  |  |
|--|---|--------------|------------------|-----------------|---|---------------|--|--|--|--|
| Sample point   | 1 | 2            | 3                | 4               | 5 | Whole feature |  |  |  |  |
| Less than 10% of total feature area should show signs of             |   |              |                  |                 |   |               |  |  |  |  |
| drainage from ditches or heavy trampling (enter % cover viewing      |   |              |                  |                 |   |               |  |  |  |  |
| all visible feature from sample point). Any unknown cause of         |   |              |                  |                 |   |               |  |  |  |  |
| drainage means that the target fails.                                |   |              |                  |                 |   |               |  |  |  |  |
| Less than 10% cover should be disturbed bare ground (hooves,         |   |              |                  |                 |   |               |  |  |  |  |
| feet, tyres) (enter % cover, assess at 4m <sup>2</sup> sample point) |   |              |                  |                 |   |               |  |  |  |  |
| Less than 10% of whole feature should be disturbed bare ground       |   | Enter % cove | r for whole feat | ture at end box |   |               |  |  |  |  |
| (hoofs, feet, tyres) (enter % cover for whole feature)               |   |              |                  |                 |   |               |  |  |  |  |
| Less than 1% of the vegetation in which tufa is present should       |   |              |                  |                 |   |               |  |  |  |  |
| show signs of disturbance (assess area of tufa flush)                |   |              |                  |                 |   |               |  |  |  |  |

NB Assessment percentages for:  $4m^{2}$ :  $1\% = 20cm \times 20cm$ ,  $10\% = 63cm \times 63cm$ ,  $100cm \times 40cm$ ,  $25\% = 1m \times 1m$ .  $1m^{2}$ :  $1\% = 6.3cm \times 6.3cm$ ,  $10\% = 10cm \times 10cm$ ,  $25\% = 50cm \times 50cm$