#### 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 Communities:	

Attributes		Targets	;	Sample point	1	2		3	4	{	5	6	7	8	9	10	Commer	nts	
Vegetation Composition: Frequency of bryophytes and lichens		non-o	f species of moss crustose lichen pre <i>Polytrichum</i> spp. a <i>pus</i> spp.	esent.													Target 1	to be assessed at	1m <sup>2</sup>
		type H21	habitat have affiniti (Sphagnum rich, A und on north-facin	Atlantic heath,													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	aphylos spp., Calluna vulgaris Dint		rica sp	рр., E	mpeti	rum ni	grum,	, Vac	ciniun	n spp.	, Myr	ica gale	e, Salix	repens	, Juniperus	communis	
		Sample p	Sample point			2	3	4	5	6	7	8	9	10					
			ver of indicator sp e 1 above	ecies from											Target	3 and	4 assessed	at 4m²	
Frequency		4) No. o	of indicator species	from Table 1															
		,	her (Calluna) flowe																
Enter species re	ecordeo	d in 3, or4 a	above:								·			· · · ·					
1	2		3	4		5			6	i			7			8		9	10
Vegetation Composition: Cover of other sp	ecies	, non-	vegetation cover i native species.														the featur	6, & 7 assessed re as is visible wh ocation (estimate)	le standing at a
		6) % of bracl	the vegetation cov ken.	ver made up of															
			er of trees and scru	dı															

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

٦

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

Time taken       Extenuating circumstances         Attribute       Scale       1       2       3       4       5       6       7       8       9       10         Attribute       Am <sup>2</sup> 10         Am <sup>2</sup> 10         Attribute       A       6       7       8       9       10         Am <sup>2</sup> 10         Attribute       A       6       7       8       9         Tird no of       species of mos,       within the species       Am <sup>2</sup> Am <sup>2</sup> Colspan="2">Atm <sup>2</sup> Am <sup>2</sup> Atm <sup>2</sup> Atm <sup>2</sup> Close of dynamic       Atm <sup>2</sup> Atm <sup>2</sup> Atm <sup>2</sup> Atm <sup>2</sup> Atm <sup>2</sup> With colspan="2">Atm <sup>2</sup> Atm <sup>2</sup> Atm <sup>2</sup> Atm <sup>2</sup> Atm <sup>2</sup> Atm <sup>2</sup> <th co<="" th=""><th>Siliceous alpine</th><th>and boreal head</th><th>ath H19</th><th></th><th></th><th></th><th></th><th></th><th>1</th><th></th><th></th><th></th></th>	<th>Siliceous alpine</th> <th>and boreal head</th> <th>ath H19</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>1</th> <th></th> <th></th> <th></th>	Siliceous alpine	and boreal head	ath H19						1			
Attribute     Scale     1     2     3     4     5     6     7     8     9     10       Attribute     4m <sup>2</sup>	Unit			Date					NGR				
No of species of dwarf shrub 4m <sup>2</sup> Total no of species of moss, liverwort and non-crustose lichen 4m <sup>2</sup> % cover of +ve indicator species Characteristic and the species of moss, liverwort and non-crustose lichen 4m <sup>2</sup> % cover of +ve indicator species Characteristic and the species of the	Surveyor			Time	taken				Extenuating	g circumsta	ances		
No of species of dwarf shrub 4m <sup>2</sup> Total no of species of moss, liverwort and non-crustose lichen 4m <sup>2</sup> % cover of +ve indicator species Characteristic and the species of moss, liverwort and non-crustose lichen 4m <sup>2</sup> % cover of +ve indicator species Characteristic and the species of the			1	I	1	1	1		I		1		
dwaf shrub       4m <sup>2</sup>		Scale	1	2	3	4	5	6	7	8	9	10	
4m²													
Total no of species of moss, livewort and non- crustose lichen 4m <sup>2</sup> (Dwarf shrubs, Juniper, Cladonia spp, Racomitrium, Cettrain silandica 4m <sup>2</sup> % non-native species all feature visible from point 4m <sup>2</sup> % of Agrostis cap, Anthoxanthum, Des flex, Festuca visible from point all feature visible from point 4m <sup>2</sup> % of Agrostis cap, Anthoxanthum, Des flex, Festuca visible from point 4m <sup>2</sup> % of Agrostis cap, Anthoxanthum, Des flex, Festuca visible from point 4m <sup>2</sup> % of Agrostis cap, Anthoxanthum, Des flex, Festuca visible from point 4m <sup>2</sup> % of live leaves of Carex big, Des flex, Festuca visible from point 4m <sup>2</sup> % of live leaves of Carex big, Des flex, Festuca visible from point 4m <sup>2</sup> % of shorts of dwarf shrubs grazed 4m <sup>2</sup> Anthoxanthus grazed 4m <sup>2</sup> Anthoxanthus grazed 4m <sup>2</sup> Anthoxanthus grazed 4m <sup>2</sup> Anthoxanthus grazed 4m <sup>2</sup>	dwarf shrub												
species of moss, iverwort and non- crustose lichen 4m <sup>2</sup> % cover of +ve indicator species (Dwarf shrubs, Juniper, Cladonia spp, Racomitrum, Cetraria Islandica 4m <sup>2</sup> % non-native species visible from point % of Agrostis cap, species visible from point % of Agrostis cap, all feature visible from point % of Agrostis cap, species visible from point % of Shoots of dwarf shrubs grazed 4m <sup>2</sup> % of shoots of dwarf shrubs grazed 4m <sup>2</sup> % of live leaves of Carex big, Des far. Fest cu/viv, showing signs of grazed 4m <sup>2</sup> % of shoots of dwarf shrubs grazed 4m <sup>2</sup> % of		4m <sup>2</sup>											
liverword and non- crustose lichen 4m <sup>2</sup> (Owarf shrubs, Juniper, Cladonia spp, Racomitrium, Cetraria islandica 4m <sup>2</sup> all feature visible from point % of Agrostis cap, Anthoxanthum, Des flex, Festuca ovina/virigera, Galium sax, non alpine Poas, Potentila erecta 4m <sup>2</sup> % of live leaves of Carex big, Des laex, Fest ov/iv, showing signs of grazing 4m <sup>2</sup> % of shoots of dwarf shrubs grazed 4m <sup>2</sup> all feature													
crustose lichen       4m²       Image: second secon													
% cover of +ve indicator species (Dwarf shrubs, Juniper, Cladonia spp, Racomitrium, Cettrain silandica       4m <sup>2</sup> % non-native species       all feature visible from point       all feature visible from point         % of Agrostis cap, Anthoxanthum, Des flex, Festuca vina/vitipara, Galium sax, non alpine Poas, Potentilla erecta       4m <sup>2</sup> % of live leaves of flex, Fest ov/viv, showing signs of grazing       4m <sup>2</sup> % of shoots of dwarf shrubs       4m <sup>2</sup> % of shoots of dwarf shrubs       4m <sup>2</sup> % of shoets of dwarf shrubs       4m <sup>2</sup>													
Indicator species (Dwarf shrubs, Juniper, Cladonia spp, Racomitrium, Cetraria islandica 4m <sup>2</sup> all feature wisible from point % of Agrostis cap. Anthoxanthum, Des flex, Festuca ovina/vivipara, Galium sax, non alpine Poas, Potentilla erecta % of live leaves of Carex big, Des flex, Fest ov/viv, showing signs of grazing 4m <sup>2</sup> % of shoots of dwarf shrubs grazed 4m <sup>2</sup> % all feature % all feature % of live leaves of Carex big, Des flex, Fest ov/viv, showing signs of grazing 4m <sup>2</sup> % of shoots of dwarf shrubs grazed % all feature % all featu		4m <sup>2</sup>											
(Dwarf shrubs, Juniper, Cladonia sp., Racomitrium, Cetraria islandica       4m <sup>2</sup> % non-native species       all feature visible from point         % of Agrostis cap, Anthoxanthum, Des flex, Festuca ovina/viripara, Galium sax, non alpine Poas, Potentilla erecta       4m <sup>2</sup> % of live leaves of Carex big, Des flex, Fest out ovina/viripara, Galium sax, non alpine Poas, Potentilla erecta       4m <sup>2</sup> % of shoots of dwarf shrubs       4m <sup>2</sup> % of shoots of dwarf shrubs       4m <sup>2</sup> % of live leaves of Carex big, Des flex, Fest out ovina/viripara, Galium sax, non alpine Poas, Potentilla erecta       4m <sup>2</sup> % of live leaves of Carex big, Des flex, Fest out ovina/viripara, Galium sax, non alpine Poas, Potentilla erecta       4m <sup>2</sup> % of live leaves of Carex big, Des flex, Fest oviripara, Galium say, non alpine Poas, Potentilla erecta       4m <sup>2</sup> % of shoots of dwarf shrubs       4													
Juniper, Cladonia spp, Racomitrium, Cettraria islandica 4m <sup>2</sup> all feature species all feature visible from point all feature ovina/vivipara, Galium sax, non alpine Poas, Potentilla erecta 4m <sup>2</sup> do fi live leaves of Carex big, Des flex, Fest vivity, showing signs of grazing 4m <sup>2</sup> all feature all feature all feature all feature													
spp, Racomitrium, 4m <sup>2</sup> % non-native all feature   yspecies all feature   visible from point     % of Agrostis cap,   Arthoxanthum,   Des flex, Festuca   ovina/vivipara,   Galium sax, non   alpine Poas,   Potentilla erecta   4m <sup>2</sup> % of shoots of   grazed   4m <sup>2</sup> all feature	(Dwarf shrubs,												
Cetraria islandica       4m <sup>2</sup> Image: constraint of the second sec													
% non-native species       all feature visible from point         % of Agrostis cap, Anthoxanthum, Des flex, Festuca ovina/vivipara, Galium sax, non alpine Poas, Potentilla erecta       4m <sup>2</sup> % of live leaves of Carex big, Des flex, Fest oviviv, showing signs of grazing       4m <sup>2</sup> % of shoots of dwarf shrubs grazed       4m <sup>2</sup>													
species       all redute         visible from       point         % of Agrostis cap,       Anthoxanthum,         Des flex, Festuca       point         ovina/vivipara,       Galium sax, non         all redute       4m²         % of live leaves of       Carex big, Des         flex, Fest ov/viv,       showing signs of         grazing       4m²         % of shoots of       4m²         % of shoots of       dwarf shrubs         grazed       4m²         Are there any       all feature		4m <sup>2</sup>											
visible nom       point		all feature											
pointoooooo% of Agrostis cap, Anthoxanthum, Des flex, Festuca ovina/vivipara, Galium sax, non alpine Poas, Potentilla erecta4m²aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa <td< td=""><td>species</td><td>visible from</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	species	visible from											
Anthoxanthum, Des flex, Festuca ovina/vivipara, Galium sax, non alpine 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> % of shoots of dwarf shrubs grazed 4m <sup>2</sup> Are there any all feature													
Anthoxanthum, Des flex, Festuca ovina/vivipara, Galium sax, non alpine 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> % of shoots of dwarf shrubs grazed 4m <sup>2</sup> Are there any all feature	% of Agrostis cap,												
Des flex, Festuca ovina/vivipara, Galium sax, non alpine 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> % of shoots of dwarf shrubs grazed 4m <sup>2</sup> Are there any all feature	Anthoxanthum,												
ovina/vivipara, Galium sax, non alpine 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> % of shoots of dwarf shrubs grazed 4m <sup>2</sup> Are there any visible average and all feature	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       grazing         4m <sup>2</sup> 4m <sup>2</sup> % of shoots of       4m <sup>2</sup> % all feature       all feature	ovina/vivipara,												
Potentilla erecta       4m²       Image: constraint of the second	Galium sax, non												
Potentilla erecta       4m²       Image: constraint of the second	alpine Poas,												
Carex big, Des flex, Fest ov/viv, showing signs of grazing 4m <sup>2</sup> % of shoots of dwarf shrubs grazed 4m <sup>2</sup> Are there any All feature all feature	Potentilla erecta	4m <sup>2</sup>											
flex, Fest ov/viv, showing signs of grazing       4m <sup>2</sup> % of shoots of dwarf shrubs grazed       4m <sup>2</sup> 4m <sup>2</sup> 4m <sup>2</sup> all feature       all feature	% of live leaves of												
flex, Fest ov/viv, showing signs of grazing       4m <sup>2</sup> % of shoots of dwarf shrubs grazed       4m <sup>2</sup> 4m <sup>2</sup> 4m <sup>2</sup> all feature       all feature	Carex big, Des												
showing signs of grazing 4m <sup>2</sup> % of shoots of dwarf shrubs grazed 4m <sup>2</sup> Are there any all feature all feature	flex, Fest ov/viv,												
% of shoots of dwarf shrubs grazed 4m <sup>2</sup> Are there any all feature	showing signs of												
dwarf shrubs     4m <sup>2</sup> grazed     4m <sup>2</sup> Are there any     all feature	grazing	4m <sup>2</sup>											
grazed     4m <sup>2</sup> Image: second se	% of shoots of												
Are there any all feature	dwarf shrubs												
Are there any all feature	grazed	4m <sup>2</sup>											
	Are there any	all feature						-					
	visible signs of	visible from											
burning? point	burning?												

Attribute	Scale	1	2	3	4	5	6	7	8	9	10
% disturbed bare ground	4m <sup>2</sup>										
% disturbed bare ground	all feature visible from 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 sp	ecies 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>											
	<i>Erica</i> tetralix												
	Empetrum nigrum												
	Myrica gale	4m <sup>2</sup>											
	Salix repens	4m <sup>2</sup>											
	Vaccinium myrtillus	4m <sup>2</sup>											
	Vaccinium oxycoccos	4m <sup>2</sup>											
Vegetation composit	ion – frequency and cover	•	•									•	•
2. Is Erica tetralix pre	sent?	4m <sup>2</sup>											
2a. Has heather (Callu	una) flowered this year?												
-	n cover should consist of group (i) and												
25% of group (II) sp afterwards]	ecies (Table 1 above)? [Fill in	4m <sup>2</sup>											
4. % of vegetation contracts and scrub. Exclu	ver made up of a scattered native ude Myrica gale	Visible											
5. % vegetation cove	r of bracken	Visible											
<ul> <li>% of vegetation cover made up of non-native spp. Give</li> <li>pecies &amp; %</li> </ul>		Visible											
7. % of vegetation co	ver consisting of, collectively, Agrostis	4m <sup>2</sup>											
capillaris, Holcus land repens? Give species	itus, Phragmites australis, Ranunculus and %.	Visible											
8. % of vegetation cov	ver consisting of <i>Juncus effusus</i> ? Give	4m <sup>2</sup>											
% for those ≥10%.		Visible				1				1	1		

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.							I				1	
10. % of shoots of dwarf-shrubs species collectively (excluding <i>Myrica gale</i> ), showing signs of browsing.	4m <sup>2</sup>											
<ol> <li>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> </ol>	4m <sup>2</sup>											
Vegetation structure – disturbance.		1	2	3	4	5	6	7	8	9	10	Total
12. Are there any visible signs of burning?	Visible											
Physical structure – indicators of increased drainage and dry	ving-out, and	d peat e	rosion.			_						
13. % of the total feature area showing signs of drainage, resulting from ditches or heavy trampling or tracking? If there is doubt about the cause of active drainage then assume that the target fails. Failure of the target should also be recorded if any evidence of this is found while 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	an 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 Is the wet heath failing but appears to be favourable? If so w						oblem?						
Does the monitoring result give a misleading impression of co	ondition? Wi	rong tim	e of vear/	inrepresen	tative nar	t of site of	<u> </u>					

## 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												
4. Is >75% of the vegetation cover made up of the indicator	4m <sup>2</sup>											
species? Y/N (exclude Sphagnum fallax)	4111											
5. Does either E. vaginatum, or one ericaceous species or	4m <sup>2</sup>											
Trichophorum exceed 75% of the vegetation cover? Y/N	4111											
6. Does the average cover of <i>Sphagnum</i> species exceed 25%?	4m <sup>2</sup>											
Y/N	7111											
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 repens?	Visible											
Vegetation structure - indicators of grazing												
10. % of shoots of dwarf-shrub species, collectively (excluding <i>Myrica gale</i> ), showing signs of browsing	4m <sup>2</sup>											
11. Where there is <i>Myrica gale</i> (at any stage of re-growth), % of the shoots of the dwarf-shrubs, collectively, showing signs of browsing.	4m <sup>2</sup>											
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	•		•	•	•	•	1	1	•	•	•	
14. Is <5% of the total feature area showing signs of drainage, resulting from ditches or heavy trampling or tracking?	Visible											
Physical Strucure – indicators of ground disturbance due to her	pivore and hur	nan activ	vity			•				•	•	
15. % of the <i>Sphagnum</i> cover crushed, broken, and/or pulled- up?	4m <sup>2</sup>											
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, bare mineral soil or bare gravel)?	Visible											
Is the blanket bog meeting targets but appears to be declining o	r is the manage	ement ina	appropria	te? If so l	iow?				1	1	1	1
Is the blanket bog failing but appears to be favourable? If so whe	re? Is failure d	ue to a sł	nort term	manager	nent prot	llem?						
Does the monitoring result give a misleading impression of condi	tion? Wrong ti	me of ye	ar/unrep	resentativ	e part of	site etc?						

Generic Form for Acidic (S	Siliceous) Scree		
Site name:	Date:	Surveyor NVC : Communities:	
Grid Reference:	Management 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 composition: Diversity	<ol> <li>Is Cryptogramma crispa present?</li> <li>Are bryophytes present?</li> </ol>		
Vegetation Composition: Cover of other species	<ol> <li>Less than 1% of vegetation cover should be made up of non-native species.</li> </ol>		÷
	<ol> <li>Less than 25% of the ground cover should be made up of bracken and/or trees and shrubs including <i>Calluna, Erica cinerea</i> and <i>Vaccinium myrtillus</i>.</li> </ol>		
	5) Less than 1% of vegetation cover should consist of, collectively, <i>Cirsium arvense</i> , <i>Cirsium</i> <i>vulgare</i> , <i>Pteridium aquilinum</i> , <i>large docks</i> (excluding <i>Rumex</i> <i>acetosa</i> ), <i>Rubus fruticosus</i> , <i>Senecio jacobaea</i> , <i>Urtica dioica</i> .		
Vegetation Structure: Indicators of current grazing	<ol> <li>At least 33% of ground cover should be free from overgrowth by vascular plants.</li> </ol>		
	<ol> <li>Less than 50% of live leaves (grasses, herbs and ferns) and/or the shoots (ericaceous dwarf- shrubs) should show signs of having been grazed or browsed.</li> </ol>		
Physical Structure: Indicators of ground disturbance due to herbivore activity	<ol> <li>Less than 10% of the ground cover should be disturbed by human or animal paths, scree running, or vehicles.</li> </ol>		

Generic Form for A	Acidic (Silice	ous) rocky slopes											
Site name:		Date:				Sur\ :	/eyo	r					NVC Communities:
Grid Reference:		Management 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 Cover	osition:	<ol> <li>Less than 1% of vegetation cover should be made up of non-native species [ ].</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 cover should be made up of bracken, trees and shrubs.</li> </ol>											
Vegetation Structu Indicators of current		<ol> <li>Less than 50% of live leaves (forbs) or the shoots (dwarf-shrubs) should show signs of having been grazed or 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		
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## 2. Quality indicators a) Vegetation composition

Frequency of indicator species (presence/absence)- target is	s three (assess at 4	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 vegetat	Cover of indicator species (% cover) - target is 75% of vegetation cover (assess at 4m² 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

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 %	cover for whole	e feature 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:  $4m^{2}$ :  $1\% = 20cm \times 20cm$ ,  $10\% = 63cm \times 63cm$ ,  $100cm \times 40cm$ ,  $25\% = 1m \times 1m$ .  $1m^{2}$ :  $1\% = 6.3cm \times 6.3cm$ ,  $10\% = 10cm \times 10cm$ ,  $25\% = 50cm \times 50cm$