













APPENDIX 1 Monitoring Forms

01 - Yellow Dunes Habitat Condition Monitoring Objectives

	ion objective i ce management	To maintain yellow dune patches on Les Blanches Banques with diverse range of native species:
Extent	Lower limit	The area of all the patches together is not reduced. See aerial photo and mapped patches 2005 for area covered. Their movement is acceptable
	Upper limit	No limit set, but note if displaces good quality dune vegetation and consider action if this is significant
Quality	Lower limit	90% of patches should meet criteria.
		Site-specific habitat definitions
		60% of the vegetation should be >30cms tall. Bare sand should be more than 30-40% of the patch (open marram) or patch is mixed with other vegetation types. State which and % of bare sand. There should be at least 2 of the following plants that are at leas occasional in the patch: lesser hawkbit hare's tail sea holly sea bindweed grey hair-grass early sand-grass sand cat's-tail lady's bedstraw
features TI cc Bi ou TI TI du th If ar		In any 1 patch: There should be no scrub or trees except burnet rose. Estimate the % cover of any across the patch. Bracken cover should be no more than 15% and not dense thus shading out other species. There should be <5% of ragwort and/or nettle cover. There should be no damage to the ground from vehicles, excavation dumping of materials, etc. Estimate the % cover of any of these and note their type. If stock grazing is present, estimate % flowering of main plants in patch and comment on degree of any trampling damage. These should not be significant (ie over 20% of plants affected).

01_Yellow Dunes Monitoring Assessment Form - Les Blanches Banques July 2014

Compartment:
Patch/Assesor:

Attribute	Target (for the entire feature)	Monitoring Technique			
Extent of Habitat					
Lower Limit	No loss of habitat from 2005, Movement of				
Lower Eirint	patches is acceptable	Aerial photography			
Upper Limit	None set but note if displaces good quality dune	Aeriai priolography			
Opper Limit	veg and consider action if sig.				
Quality lower limit	90% of patches should meet the following criteria;				
Vegetation Composition					
Healthy cover of marram and /or sand couch. Specify	Healthy marram and/or sand couch with abundant				
which	flowering heads should be present.				
Vegetation height	60% of vegetation should be >30cm tall				
vegetation height	60% of vegetation should be >30cm tall	Visual assessment across the patch. (%			
Cover of bare sand	Bare sand should be > 30-40% of the patch (open	cover).			
over of bare saint	marram) area (unless mixed with other veg.)				
What other veg types in patch and % bare sand	3,7				
What other veg types in pater and 70 bare saind					
List 1 (Dafor)					
Sea bindweed	Calystegia soldanella				
Grey hair-grass	Corynephorus canescens				
Sea holly	Eryngium maritimum	Visual assessment across the patch.			
Lady's bedstraw	Galium verum	(Dafor). (2 or more should be more than			
Hare's tail Lesser hawkbit	Lagurus ovatus	occasional)			
Early sand-grass	Leontodon saxatilis Mibora minima	-			
Sand cat's tail	Phleum arenarium				
Estimate effect of rabbits	DAFOR based on droppings, flowering, digging	visual estimate across patch			
Estimate short of fusbits	27 ii 27 24004 on 4.0ppigo, nonoig, 4.ggig	riodal commute delega pater.			
Damaging Features					
	No scrub or trees (exclude burnet rose)				
Cover of trees/scrub, specify species	, , , , , , , , , , , , , , , , , , , ,				
Cover of brachen	Bracken <15% when fully open, not dense or				
Cover of ragwort	shading out other spp.	Estimate % cover across the patch and list species			
	Bogwart bromble or nottle : 50/	орошо		-	
Cover of bramble	Ragwort, bramble or nettle< 5%				
Cover of nettle					
Damage from vehicles, excavation, dumping, etc	No damage from vehicles, excavation, dumping, etc				
Is stock present?	If stock present estimate % flowering of main	Estimate % cover across the patch and		<u> </u>	
Percentage flowering of main plants	plants	note type of damage			
Effect of stock trampling	Comment on degree of any stock trampling damage (<20% affected)	0			

02 - Grey Dunes Habitat Condition Monitoring Objectives

Conservation objective for maintenance management		To maintain grey dune patches on Les Blanches Banques with a high diversity of native species:
Extent	Lower limit	The area of all the patches together increases or is at least not reduced. See aerial photo and mapped patches 2005 for area covered. Their movement is acceptable
	Upper limit	No limit set, but note if displaces good quality dune vegetation and consider action if this is significant
Quality	Lower limit	90% of patches should meet criteria.

Patch-specific habitat definitions

Criteria for grey dunes

In any 1 patch determine the type of community by:

- 1. Is burnet rose dominant or co-dominant with >40-50% cover?
- 2. Is there bare sand covering > 15% of ground?
- 3. Are there many mosses and lichens in the vegetation?
- 4. Is the vegetation dense or with many small gaps between plants with sand or litter visible?
- 5. Are there > or <20 species in the patch (omit burnet rose)?
- 6. Vegetation 5-30cms tall or mostly over 30-40cms tall?

Flowering and fruiting of species should be at least frequent If yes to Q. 2, 3, 4, >20 species and vegetation 5-30cms tall, then:

- 30-70% of sward should be species-rich short turf
- at least 10 species should be more than occasional from list below

early hair-grass silver hair-grass thyme-leaved sandwort wild onion sand sedge common centaury common mouse-ear smooth hawk's-beard common stork's-bill

Portland spurge eyebright fescues

lady's bedstraw dove's-foot crane's bill common cat's-ear bird's-foot trefoil common restharrow ribwort plantain burnet rose biting stonecrop wild thyme hare's-foot clover hairy tare

If no to Q2, 3, dense vegetation, <20 species and taller plants, then: at least 6 species should be more than occasional from the list above.

All the species of local distinctiveness should be present on the dunes. Count flowering spikes and plants of lizard orchids for comparison future years.

Presence of damaging features

In any 1 patch:

There should be no scrub or trees except burnet rose. Estimate the % cover of any across the patch and list the species.

Bracken cover should be no more than 15% when fronds fully opened and not dense thus shading out other species.

There should be <5% of ragwort, bramble or nettle cover.

There should be no damage to the ground from vehicles, excavation, dumping of materials, etc. Estimate the % cover of any of these and note their type.

If stock grazing is present, estimate % flowering of main plants in patch and comment on degree of any trampling damage. These should not be significant (i.e. over 20% of plants affected).

02_Grey Dunes Monitoring Assessment Form - Les Blanches Banques July 2014

Compartment: Condition Assessment Patch Habitat Code

uttribute	Target (for the entire feature)	Monitoring Technique		
extent of Habitat	Lower limit - no loss of habitat from 2005, Movement of patches is acceptable Upper limit - none set but note if displaces good quality dune veg and consider action if sig.	Aerial photography		
Quality Lower Limit	90% of patches should meet the following criteria			
county 201101 Entitle				
egetation Composition				
burnet rose dominant or co-dominant with> 40-50% cover. Y/N and approx cover				
there bare sand covering >15% of ground, Y/N approx cover		Visual assessment across the patch. (% cover or Dafor).		
requency of mosses and lichens in the vegetation (DAFOR)		violati accoccinent acrocc the paterix (70 cover of Dater).		
s the vegetation dense (D) or with many small gaps between plants with sand or litter visible. (G)				
re there more or less than 20 species in the patch. Omit Burnet rose. Y/N		Assess by eye, only list those in table below		
regetation height 5-30cm or over 30-40cm tall		Measure to 5cm, exclude flowering grass stalks	+	
lowering and fruiting of species to be at least frequent		Visual assessment across patch (Dafor)		
s 30-70% of sward sp rich turf? Y/N comment if needed	If YES to Q2,3,4 and >20sp and vegetation 5-30 cm tall then: 30-70% of sward should be species rich short turf. And at least 10 species (in list 1) should be more than occasional.	Visual across patch	1	
s it dense vegetation with taller plants. Y/N comment if needed	If NO to Q2 and 3, dense vegetation, <20 species and taller plants, then at least 6 species from List 1 should be occasional.	Visual across patch		
(5.4.)				
ist 1 (Dafor)		_		
	Aira caryophyllea Aira praecox	-	 	
arly hair-grass hyme-leaved sandwort	Arenaria serpyllifolia	1	+	
/ild onion	Allium vineale]		
and sedge	Carex arenaria	_		
Common centaury Common mouse-ear	Centaurium erythraea Cerastium sp	-	+	
mooth hawk's-beard	Cerastium sp Crepis capillaris	1		
Common stork's-bill	Erodium cicutarium]		
ortland spurge	Euphorbia portlandica		 	
yebright escues	Euphrasia officinalis Festuca sp	Visual assessment across the patch. (Dafor). (10 or more should be more		
ady's bedstraw	Galium verum	than occasional)		
ove's-foot crane's bill	Geranium molle			
Common cat's-ear	Hypochaeris radicata			
common restharrow	Lotus corniculatus Ononis repens	-		
libwort plantain	Plantago lanceolata			
Self-heal	Prunella vulgaris			
urnet rose	Rosa pimpinellifolia			
iting stonecrop //ild thyme	Sedum acre Thymus polytrichus			
lare's-foot clover	Trifolium arvense			
lairy tare	Vicia hirsuta			
Species of Local Distinctiveness				
ersey thrift	Armeria arenaria			
small hare's ear	Bupleurum baldense	-		
lough star thistle	Centaurea aspera		1	
Grey hair grass	Corynephorus canescens			
izard orchid	Himantoglossum hircinum			
smooth cat's ear	Hypochaeris glabra			
ea stock	Matthiola sinuata	-	 	
arly sand grass Childing pink	Mibora minima Petrorhagia nanteuilii	Visual assessment across the patch (spike or plant count of lizard orchid)	 	
arly meadow grass	Poa infirma	1		
our-leaved all-seed	Polycarpon tetraphyllum	1		
and crocus	Romulea columnae]		
alm-leaved figwort	Scrophularia scorodonia	_		
astard toadflax	Thesium humitusum			
leath speedwell	Veronica officinalis	_	 	
lwarf pansy	Viola kitaibeliana			
Stimate Effect of Rabbits	DAFOR based on droppings, flowering, digging	Visual estimate across patch		
Damaging Features				
	No scrub or trees (exclude burnet rose)			
over of bracken	Bracken <15% when fully open, not shading other spp			
over of ragwort	Ragwort, bramble or nettle< 5%	Estimate % cover across the patch and list species		
over of bramble		_		
over of nettle			 	
	No damage from vehicles, excavation, dumping, trampling, etc	-		
s stock present	If stock present estimate % flowering of main plants	Estimate % cover across the patch and note type of damage	 	
ercentage flowering of main plants ffact of stock trampling	Comment on degree of any stock trampling damage <20%	-	 	

03 - Conservation objective for Mature Gorse

Conservation objective for maintenance management		To maintain the Mature Gorse habitat at Les Blanches Banques SSI in favourable condition where;		
Extent	Lower limit	Extent recorded in 2005 aerial photograph		
	Upper limit	No greater than 15% increase on lower limit		
Quality	Lower limit	> 85% of the area meets the following criteria;		
	Upper limit	No limit set		
	Site sp	pecific habitat definitions		
	Within the defined ar			
	> 20% and < 40%	of vegetation cover is below 30cm in height		
	and			
	between 25 % and	d 35 % of gorse is > 40cm and < 100cm in height		
		and 35 % of gorse is > 100cm and < 200cm in		
	And no vegetatio And Bracken and And > 15% of objective)	over > 60% and < 80% of the area in is over 3 metres in height I Bramble comprise < 10% of the area the area must comprise coastal grassland (see definition in tree and shrub species		

03_Mature gorse monitoring assessment form - Les Blanches Banques July 2014

Compartment			
Assessor/Patch			

Attribute	Target (for the entire feature)	Monitoring Technique			
	,	2 1			
Extent of Habitat					
	No greater than 15% decrease below the 2005 aerial photo	Base line map showing distribution of mature			
	No greater than 15% increase on the 2005 aerial photo	gorse			
Quality	> 85% of the total site area meets the following criteria;				
Vegetation Structure					
Vegetation Height	20% and <40% of vegetation cover < 30cm tall 25% to 35% of vegetation cover 40cm to 100cm tall 25% to 35% of vegetation cover 100cm to 200cm tall Vegetation cover over 200cm in height Vegetation cover over 300cm in height	Visual assessment of % cover of as much of the patch that is visible from the sampling point.			
Vegetation Composition					
	% gorse cover <30cm tall				
	% gorse cover 40-100cm tall	Visual assessment of as much of the patch			
Gorse Cover	% gorse cover 100-200cm tall	that is visible from the sampling point. Record % cover			
	% cover of gorse 60-80% of the area				
Underlying Vegetation					
~ % cover of dune (yellow or grey) vegetation. Specify which	(good condition >15% area)	Viscolonia de la companya de la comp			
~ % cover of bracken/bramble. List species and cover	(good condition <10% area)	Visual assessment of as much of the patch that is visible from the sampling point. Record % cover			
~ % cover scrub/trees cover. List species & cover	(good condition <5%)	Record % cover			
Rabbit Presence	The number of visible rabbit warrens within the patch to be recorded	Visual assessment of as much of the patch that is visible from the sampling point.			

04 - Conservation Objective for Scrub Habitats

Conservation management	objective for maintenance	To maintain scrub habitat in favourable condition where;			
Extent	Lower limit	No limit set			
	Upper limit	Extent recorded in 2005 aerial photograph			
Quality	Lower limit	> 60% of the area meets the following criteria;			
	Upper limit	No limit set			
	Site sp	ecific habitat definitions			
Scrub	Within the defined ar	ea;			
	The scrub patch shou	ld have a canopy cover of 60% - 90%.			
	H B V E V C	be native shrubs not trees and consist of at least 2 of; Iawthorn Crataegus monogyna Blackthorn Prunus spinosa Willow Salix spp.(excluding Crack willow) Elder Sambucus nigra Wild privet Ligustrum vulgare Dog rose Rosa canina Broom Cytisus scoparia Holly Ilex aquifolium			
	Open ground should grassland or heathland	d support species typical of adjacent valuable habitat i.e.			
	If sufficient light bene	eath the scrub are woodland ground flora species present?			
	No trees - but note sp	No trees - but note species and cover if present.			
	No none native shrub	s - but note species and cover if present			
	Bracken and/or Bram	ble < 20% of the area			
	Note any disturbance	- Rubbish, burning, damage to scrub, vehicle movements etc			

04_Scrub Habitats Monitoring Assessment Form - Les Blanches Banques July 2014

Compartment:					
Assesor/Patch:					
Attribute	Target (for the entire feature)	Monitoring Technique			
	Jan gas (var and annua varianta)				
Extent of Habitat					
Lower Limit	No Limit Set				
Upper Limit	Extent recorded in 2005 aerial photograph	Base line map showing distribution of scrub vegetation			
Quality of Habitat					
Lower Limit	>60% of the area meets the following criteria	Frequency - 'W' transect. Visual assessment of as much			
Upper Limit	No Limit Set	of the feature that is visible from the sampling point.			
Vegetation Structure					
Within the defined area of the patch:	The scrub patch should have a 60 - 90% canopy cover of the patch (record % cover)	Visual assessment of as much of the feature that is visible from the sampling point.			
	, , , , , , , , , , , , , , , , , , , ,				
Vegetation composition					
Hawthorn	Crataegus monogyna				
Broom	Cytisus scoparius				
Holly	Ilex aquifolium				
Wild privet	Ligustrum vulgare	The species should be native and consist of trees and			
Blackthorn	Prunus spinosa	shrubs of at least two from the list (list all that apply			
Holm oak	Quercus ilex	including addit. spp).			
Dog Rose	Rosa canina	•			
Willows	Salix spp				
Elder	Sambucus nigra				
Flora beneath canopy	Any typical shade-tolerant spp	% cover of total shade-tolerant spp			
Negative Indicators					
	There should be no trees (including Holm oak, oak, ash, sycamore, elm, cherry pine etc). Note the cover of each species.				
	There should be no non-native shrubs (including tamarisk, apple, conifer, Japanese privet, cotoneaster, buddleia etc). Note % cover by spp.	Visual assessment of as much of the feature that is visible from the sampling point			
% cover of bracken and bramble	Bracken and/or Bramble < 20% of the area			 	
Disturbance	Rubbish, burning, damage to scrub, vehicle movements etc	Visual assessment			

05 - Conservation Objective for Mixed Woodland

Conservation objective for maintenance management		To maintain the woodland habitats in favourable condition where;				
Extent	Lower limit	Extent recorded in 2005 aerial photograph				
Upper limit		No limit set - but not spreading into habitats of greater value				
Quality	Lower limit	> 80% of the compartment meets the following criteria;				
	Upper limit	No limit set				
	Site sp	pecific habitat definitions				
Structure	Sub storey – >20% (2-5m tall layer) Dead wood – At l	edlings and saplings of native canopy species at least rare. of the subcanopy is to be made up of sub mature trees least one dead tree >20cm DBH present or plenty of small I must occur where considered safe				
Composition	Trees with (DBH > Ancient and veterar	Conifer canopy present 20 cms) to be dominant: list in trees present? Existing the canopy and sub canopy to be native species				
Quality	Lady fern, male fern Lords and Ladies – opposite-leaved gol spurge, herb Robert honeysuckle, dog's campion, greater sti Epiphitic mosses/ li	must comprise of >3 desirable species of woodland plants:- n, broad buckler fern, harts tongue, shield ferns, polypody, all spp, pendulous sedge, remote sedge, wood sedge, den saxifrage, enchanter's nightshade, pignut, foxglove, wood t, wood avens, bluebell, stinking iris, yellow archangel, mercury, wood sorrel, primrose, butcher's broom, red ttchwort and common dog violet tchens/ ferns must be at least occasional es:- Periwinkle, winter heliotrope, Spanish bluebell and				
	Other damage					

05_Mixed Woodland Monitoring Assessment Form - Les Blanches Banques July 2014

Assessor/Patch :						
Attribute	Target (for the entire feature)	Monitoring Technique				
Extent of habitat	No loss of habitat from 2005 aerial					
	Upper limit - should not be spreading onto habitats of greater	Aerial photography				
	value > 80% of the area meets the					
Quality lower limit	following criteria;					
Vanadadian Olamadana						
Vegetation Structure	T	T				
Ground story	Seedlings and saplings of native species should be at least rare. Specify species	Visual assessement inside patch				
Sub story	(Sub story = the layer 2-5m high). To have at least 20% cover. Specify species.	Assessment within patch. State % cover				
Dead Wood	At least one dead tree >20cm DBH should be present in the patch/ or plenty of small scattered pieces.	Assessment abundance within patch				
	Dead wood safe?		 	<u></u>	<u></u>	<u> </u>
Vegetation Composition		·				
-						
No more than 10% conifer canopy pr	resent	Visual assessment of as much of the				
State % BL trees with DBH >20cm		feature that is visible in patch				
Ancient & veteran trees present? (%	cover)					
Native species Not located previously						
on the dunes (alder, ash, aspen, elm, hazel, holly, sweet chestnut) . List if	be dominated by native species. 90% of wood native por tolerated	Assessment within patch. List tree				
seen	spp	species/ note DAFOR abundance				
Hawthorn						
Broom	Crataegus monogyna Cytisus scoparius	1				
Wild privet	Ligustrum vulgare					
Blackthorn	Prunus spinosa	1				
Holme/ Evergreen oak	Quercus ilex					
Pedunculate oak	Quercus robur	Assessment of whole patch. Note				
Field rose, Dog rose,	Rosa arvensis Rosa canina	abundance (DAFOR)				
Sallow/ grey willow	Salix cinerea					
Crack willow,	Salix fragilis					
Elder	Sambucus nigra					
European gorse	Ulex europaeus					
Tolerated - But not previously located on the dunes) silver birch, beech, downy birch, hornbeam, field maple, yew, dogwood, medlar, rowan, cherry) List if seen	The woodland composition can include tolerated species at a level	Assessment of whole patch. List tree species/ note abundance (DAFOR)				
Sycamore Pine species	Acer pseudoplatanus					
	Pinus sp.					
Undesirable - But not previously located on the dunes (horse chestnut, Norway spruce, Monterey cypress, poplars, Turkey oak, western red cedar, snowberry) List if seen.	The woodland composition should include undesirable species at a level of occasional or less	Assessment of whole patch. List tree species/ note abundance (DAFOR)				
Butterfly-bush	Buddleja davidii	-				
Apple species Italian poplar	Malus sp. Populus x canadensis	1				
Rose species (garden)	Rosa sp.	1				
, , ,						
Ground Flora			 			
		List ground flora + DAFOR				
Polypody, mosses and lichens	Presence should be at least occasional and general abundance noted.	Visual assessment within patch				
.						
Negative Indicators					1	
Invasive Species	110					
Periwinkle	Vinca spp	These species should be absent -				
Winter heliotrope	Petasites hybridus	record presence using DAFOR. Any other potential invasive species should				
Spanish bluebell	Hyacinthoides hispanica	be noted.				
Rhododendron	Rhododendron ponticum					
Erosion	Less than 1% of feature to show signs of 'hard' erosion or damage	Visual assessment				
Introduced material	There must be no evidence of fly tipping or other damage					
11	בייף אווים טוויטו עמווומעל	Ī	Ī	•	1	•

06 - Dune Heathland Habitat Condition Monitoring Objectives

Conservation objective for maintenance management		To maintain dune heath patches on Les Blanches Banques with a high diversity of native species:			
Extent Lower limit		The area of all the patches together increases or remains stable. See aerial photo and mapped patches 2005 for area covered. Their movement is acceptable			
	Upper limit	No limit set, but note if displaces good quality dune vegetation and consider action if this is significant			
Quality	Lower limit	95% of patches should meet criteria.			

Patch-specific habitat definitions

O .	•	e	1	1 41
Crit	eria	tor	dune	heath

In any 1 patch of dune heath:

- At least one dwarf-shrub species (note if it is bell heather or heather) more than occasional (about 20% cover) in sward
- Flowering and fruiting of all species should be at least frequent
- Remainder of vegetation composed of fixed grey dune grassland
- At least 8 species should be more than occasional from list below

sand sedge common centaury
smooth hawk's-beard
eyebright fescues
lady's bedstraw dove's-foot crane's bill
bird's-foot trefoil common restharrow
self-heal burnet rose
hare's-foot clover hairy tare

common mouse-ear Portland spurge other grasses common cat's-ear ribwort plantain wild thyme

Presence of damaging features

In any 1 patch:

There should be no scrub or trees except burnet rose, heather and bell heather. Estimate the % cover of any across the patch and list species.

Bracken cover should be no more than 15% when fronds are fully open and not dense thus shading out other species.

There should be <5% of ragwort, bramble or nettle cover.

There should be no damage to the ground from vehicles, excavation, dumping of materials, etc. Estimate the % cover of any of these and note their type.

If stock grazing is present, estimate % flowering of main plants in patch and comment on degree of any trampling damage. These should not be significant (ie over 20% of plants affected).

06_Dune Heathland Monitoring Assessment Form - Les Blanches Banques July 2014

Compartment:					
Assessor/Patch :					
[Accellants	Towns (for section for the section)	Manager de la colonia de la co			
Attribute	Target (for entire feature)	Monitoring technique			
Extent of Habitat					
Lower Limit	No loss of habitat from 2005, Movement of patches is acceptable				
Upper Limit	None set but note if displaces good quality dune yeg and				
Quality lower limit	95% of patches should meet the following criteria;				
	3 ,				
Vegetation Composition in Patch					
At least one dwarf shrub species more than occasional		Note species and % cover			
Flowering & fruiting of all species should be at least free	went	11010 openios ana 70 serei			
Flowering & Iruiting of all species should be at least fled	quent				
Remainder of vegetation composed of fixed grey dune grassland		Visual assessment across the patch. (% cover or Dafor).			
At least 8 species more than occasional from list 1					
List 1 (Dafor)					
Sand sedge	Carex arenaria				
Common centaury	Centaurium erythraea				
Common mouse-ear	Cerastium fontanum				
Smooth hawk's-beard	Crepis capillaris				
Common stork's-bill	Erodium cicutarium				
Portland spurge	Euphorbia portlandica				
Eyebright	Euphrasia officinalis				
Fescues	Festuca sp				
Lady's bedstraw	Galium verum	Visual assessment across the patch. (Dafor). (8 or			
Dove's-foot crane's bill	Geranium molle	more should be more than occasional)			
Common cat's-ear	Hypochaeris radicata	more should be more than occasional,			
Bird's-foot trefoil	Lotus corniculatus				
Common restharrow	Ononis repens				
Ribwort plantain	Plantago lanceolata				
Self-heal	Prunella vulgaris				
Burnet rose	Rosa pimpinellifolia				
Wild thyme	Thymus polytrichus				
Hare's-foot clover	Trifolium arvense				
Hairy tare	Vicia hirsuta				
Damaging Features					
• •	nother)				
No scrub or trees (except burnet rose, heather or bell heather) Bracken <15% when fully open, no shading or other spp		Estimate % cover across the patch and list species			
Ragwort, bramble or nettle< 5% cover		and have a position and have appealed			
No damage from vehicles, excavation, dumping, etc					
		_ , , , _ ,			
Is stock present? Y/N		Estimate % cover across the patch and note type of damage			
If stock present estimate % flowering of main plants		uamaye			
Comment on degree of any stock trampling damage (<20% affected)					
Estimate effect of rabbits (DAFOR) Use abundance of droppings/diggings flowering		Across whole patch			

APPENDIX 2 The Plant Communities

APPENDIX 2: THE PLANT COMMUNITIES

- A The Disturbed, Tall Herb Community
- T Tall Ruderal
- **B** Short Species-rich Vegetation with Moss and Lichens
- Bi A Variable, Short Turf Species-rich Community
- **Bii Trampled, Species-rich Community**
- **C Open Tussocky Marram Grass**
- D Closed Marram
- E Rank Grassland
- F Gorse Scrub
- **G** Mixed Shrubs
- H Wet Rush-grass/Wetland Vegetation
- I Bracken Dominant or Co-dominant
- J Burnet Rose Dominant
- K Woodland
- L Heathland

A - The Disturbed, Tall Herb Community

This community mostly occurs along the road-side banks and areas near the car parks. It was established when the car parks were developed and was colonised by a range of easily dispersed species, including many indicative of an enriched soil. The main species were marram (*Ammophila arenaria*), cock's-foot (*Dactylis glomerata*), and ribwort plantain (*Plantago lanceolata*). The conspicuous plants of hogweed (*Heracleum sphondylium*) and fennel (*Foeniculum vulgare*) stood out amongst the tall herbage, whilst smaller species compete for space nearer the ground.

The species in 2014 were similar to those above but with additional quantities of some of the ruderal annual grasses such as large quaking grass (*Briza maxima*), barren brome (*Anisantha sterilis*) and great brome (*Anisantha diandra*) and thistles (*Cirsium* species).

T - Tall Ruderal

A new type of ruderal community was found within La Moye Golf Course, with fewer annual species but a number of common 'weedy' types of species. The core of the vegetation is

common nettle (*Urtica dioica*), but with frequent Yorkshire fog (*Holcus lanatus*) and ruderal species like hemlock (*Conium maculatum*), smooth sow thistle (*Sonchus oleraceus*), hogweed, cleavers (*Galium aparine*) and cock's-foot.

B - Short Species-rich Vegetation with Moss and Lichens

B is open, with some bare ground on a small intimate scale, species-rich, short, mostly rabbit dug and grazed, with less than 50% cover of burnet rose. Sometimes bracken (*Pteridium aquilinum*) can invade in the B community, both the diverse one and the more robust fescue sward (Bi).

The community is relatively rich in broadleaved species but also has an abundant cover of lichens and moss. It is extensive lichens like *Cladonia* and *Peltigera* that characterise B, plus mosses of open ground such as *Tortula* species. *Scleropodium purum* is also an abundant moss in this community. In some areas, however, burnet rose can attain local prominence. Due to a high level of rabbit activity in these areas there are often several patches of sand within them, which can be identified on the aerial photographs.

There are a wide variety of accompanying species in this species-rich community including common bird's-foot trefoil (*Lotus corniculatus*), common restharrow (*Ononis repens*), field wood-rush (*Luzula campestris*), wild thyme, (*Thymus polytrichus*), fragrant evening-primrose (*Oenothera stricta*) and the two plantains, ribwort and buck's-horn (*Plantago lanceolata* and *P. coronopus*). Annuals are also conspicuous, such as early sand-grass (*Mibora minima*) one of the rarer species, sand cat's-tail (*Phleum arenaria*), early and silver hair-grasses, (*Aira praecox* and *A. caryophyllea*), hare's-tail (*Lagurus ovatus*) and dune fescue (*Vulpia fasciculata*). The grey hair-grass (*Corynephorus*

Bi - A Variable, Short Turf Species-rich Community

This community is characterised by a more dense cover of vegetation with less burnet rose and rabbit activity, and less moss and lichen cover. Areas of this community comprise a complete plant cover with abundant red fescue and sometimes burnet rose. A variety of perennials provide the community matrix – especially biting stonecrop (Sedum acre), common restharrow, smooth hawk's-beard (Crepis capillaris), lady's bedstraw (Galium verum), common bird's-foot trefoil, ribwort plantain, sand sedge (Carex arenaria), wild thyme and bulbous buttercup (Ranunculus bulbosus). Other species include the Jersey thrift (Armeria arenaria) and rough star-thistle (Centaurea aspera). In addition, there are often good numbers of annuals, especially winter annuals, in this sward.

The annuals include several pretty little grasses like early and silver hair-grass although these seemed to be abundant in particular areas and scarce in others) and dune fescue. The range of other annuals is equally wide. There are several small crucifers and chickweeds, thymeleaved sandwort (*Arenaria serpyllifolia*), red bartsia (*Odontites verna*) and early sand-grass representing the annual interest. The very rare childing pink (*Petrorhagia nanteuilii*) is found occasionally also with and the nationally rare small hare's-ear (*Bupleurum baldense*).

One group of plants which is particularly well represented in this community type is the clovers and in addition medick species too.

Bii - Trampled, Species-rich Community

On the vegetated paths trampling reduces the height and vigour of many species and can eliminate those which are more sensitive from the plant community. On the other hand, there are plants which are more tolerant of being trampled and which will spread into the vacated niches in a community. Thus, different trampling intensities produce different communities and there is often a gradation of use across a path, producing a lightly trampled fringe and more heavily used central section. More than one path community, therefore, can be present on each path section.