Appendix I – Ecological Monitoring Quadrat Data

Wild Atlantic Way Discovery Points Ecological Study of Visitor Movement Areas 2017

ENVIRONMENTAL SURVEYING AND MONITORING

FOR THE

WILD ATLANTIC WAY OPERATIONAL PROGRAMME

for: Fáilte Ireland

88-95 Amiens Street Dublin 1



by: CAAS Ltd.

1st Floor, 24-26 Ormond Quay, Dublin 7



February 2018

Galley Head		Site & Quadrat Numb	er: 1	L56	GH-Q1
Quadrat Description					
Grassy verge, to the south of the si		existing wall. Sheltered,	almost a	mosa	ic of grassy
verge and dry-humid acid grassland	d				
Quadrat Comments					
None					
Habitat Type					
GS3 Dry-Humid Acid Grassland					
Quadrat Type					
Core Movement Area					
Quadrat Type Comment N/A					
Quadrat Number			(GH-Q1	-
X Coordinate		522062		-	
Y Coordinate		533963 531792			
Survey Date		3 rd August 2017			
Survey Date		Andrew Torsney			
Surveyor		Andrew Torsney			
Substrate		Mineral Soil			
Stability		Firm			
Substrate Depth (cm)		_			
Slope Degrees		5			
Aspect		S			
Water Table Depth (cm)		v Surface			
Comments on Hydrology	None				
Quadrat Management	Touri				
Adjacent Landuse		sm, Agriculture, residenti	al		
Grazing Comments General Faunal Observations	None				
None					
Structured Quadrat Cover Valu		Litter Cover	ſ	h	
Total Vegetation Cover Tree Cover	100 0	Litter Cover Algae Cover	(
Shrub Cover	0	Rock Cover	(_	
Herb Grass Cover	100	Bare Peat/Soil Cover	(
Bryophyte Cover	0	Open Water Cover	(-	
Height of Vegetation (cm)	15	Height Shrub Layer (cm) -		
Height Tree Layer (m)	-	Height Herb Layer (cm)		LO-15	
Species Latin Name	Species Er	nglish Name	Species	cove	er (Domin)
Festuca rubera	Red Fescue	9	8		
Achillea millefolium	Yarrow		5		
Plantago lanceolata	Ribwort Pla		3		
Trifolium pratense	Red Clover		5		

Galley Head	Site & Quadr	at Number:	156 GH-Q2
Quadrat Description Adjacent to the light desire line, be Quadrat Comments None Habitat Type GS3 Dry-Humid Acid Grassland	fore the trail loses definition a	along the cliffto	ıp.
Quadrat Type Secondary Movement Area Quadrat Type Comment N/A			
Quadrat Number			GH-Q2
X Coordinate Y Coordinate Survey Date Surveyor	533901 531913 3 rd August 201 Andrew Torsne		
Substrate Stability Substrate Depth (cm) Slope Degrees	Soil Firm 5		
Aspect	Ŵ		
Water Table Depth (cm) Comments on Hydrology	Below Surface None		
Quadrat Management Adjacent Landuse Grazing Comments General Faunal Observations None	Tourism Tourism, Agriculture, None	residential	
Structured Quadrat Cover Valu			
Total Vegetation Cover Tree Cover	100 Litter Cover 0 Algae Cover		0
Shrub Cover	0 Algae Cover 0 Rock Cover		0 0
Herb Grass Cover	100 Bare Peat/Soil	Cover	0
Bryophyte Cover	0 Open Water Co		0
Height of Vegetation (cm) Height Tree Layer (m)	20 Height Shrub L - Height Herb La		- 15-20
Species Latin Name	Species English Name	Spec	cies cover (Domin)
Festuca Rubera	Red Fescue	6	
Anthoxanthum oforatum	Sweet Vernal Grass	1	
Plantago lanceolata	Ribwort Plantain	5	
Armeria maritima	Sea Pink	4	

Galley Head	Site & Quadrat N	Number: 156 GH-Q3
Quadrat Description Toughed grass along the edge of t Quadrat Comments None Habitat Type GS3 Dry-Humid Acid Grassland	he blowhole structure	
Quadrat Type Secondary Movement Area Quadrat Type Comment N/A		
Quadrat Number		GH-Q3
X Coordinate Y Coordinate Survey Date Surveyor	450753 541907 3 rd August 2017 Andrew Torsney	
Substrate Stability Substrate Depth (cm) Slope Degrees	Soil Firm 10	
Aspect	W	
Water Table Depth (cm) Comments on Hydrology	Below Surface None	
Quadrat Management Adjacent Landuse Grazing Comments General Faunal Observations None	Tourism Tourism, Agriculture, res None	idential
Structured Quadrat Cover Valu		
Total Vegetation Cover	100 Litter Cover	0
Tree Cover Shrub Cover	0 Algae Cover 0 Rock Cover	0 0
Herb Grass Cover	100 Bare Peat/Soil Cov	-
Bryophyte Cover	0 Open Water Cover	
Height of Vegetation (cm) Height Tree Layer (m)	10 Height Shrub Laye - Height Herb Layer	
Species Latin Name	Species English Name	Species cover (Domin)
Festuca rubera	Red Fescue	9
Anthoxanthum oforatum	Sweet Vernal Grass	5
1	Perennial Ryegrass	3
Lollium perennia	r cremnar tycgrass	0

Galley Head		Site & Quadrat Numb	er: 156 GH-Q4
Quadrat Description			
Rocky outcrop, easily accessed fr	om the vanta	age point. Soil build up	on the rock and heavily
compacted			
Quadrat Comments			
None			
Habitat Type			
CS1 Rocky Sea Cliff Quadrat Type			
Core Movement Area			
Quadrat Type Comment			
N/A			
Quadrat Number			GH-Q4
X Coordinate		533904	
Y Coordinate		531763	
Survey Date		3 rd August 2017	
Surveyor		Andrew Torsney	
Substrate		Rock	
Stability		Solid	
Substrate Depth (cm)		-	
Slope Degrees		Mixed/Jagged	
Aspect		N/A	
Water Table Depth (cm)	Below	/ Surface	
Comments on Hydrology	None		
Quadrat Management	Touri		
Adjacent Landuse		sm, Agriculture, residenti	al
Grazing Comments	None		
General Faunal Observations None			
Structured Quadrat Cover Value			
Total Vegetation Cover	<5	Litter Cover	0
Tree Cover	0	Algae Cover	0
Shrub Cover	0	Rock Cover	100
Herb Grass Cover	<5	Bare Peat/Soil Cover	0
Bryophyte Cover	0	Open Water Cover	0
Height of Vegetation (cm)	<5	Height Shrub Layer (cm) -
Height Tree Layer (m)	-	Height Herb Layer (cm)	
Species Latin Name	Species Er	iglish Name	Species cover (Domin)
Armeria maritima	Sea Pink		1

		Site & Quadrat Number	: 156 GH-Q5
Quadrat Description Rocky outcrop, not easily accessed from	m the va	ntage point. No Soil present	
Quadrat Comments		5	
None			
Habitat Type			
CS1 Rocky Sea Cliff			
Quadrat Type			
Core Movement Area			
Quadrat Type Comment N/A			
Quadrat Number			GH-Q5
X Coordinate		533890	
Y Coordinate		531783	
Survey Date		3 rd August 2017	
Surveyor		Andrew Torsney	
Substrate		Rock	
Stability		Solid	
Substrate Depth (cm)			
Slope Degrees		Mixed/Jagged	
Aspect		N/A	
Water Table Depth (cm)	Belc	w Surface	
Comments on Hydrology	Non	e	
Quadrat Management	Tou	rism	
Adjacent Landuse		rism, Agriculture, residential	
Grazing Comments	Non	e	
General Faunal Observations None			
Structured Quadrat Cover Values (0
Total Vegetation Cover	0	Litter Cover	0
Tree Cover	0	Algae Cover	0
Shrub Cover	0	Rock Cover	100
Herb Grass Cover	0	Bare Peat/Soil Cover	0
Bryophyte Cover	0	Open Water Cover	0
Height of Vegetation (cm)	-	Height Shrub Layer (cm)	-
Height Tree Layer (m)	-	Height Herb Layer (cm)	-
Species Latin Name S	pecies E	inglish Name Si	pecies cover (Domi

Galley Head		Site & Quadrat Numb	oer: 156	GH-Q6
Quadrat Description				
Quadrat Comments				
None				
Habitat Type				
CS1 Rocky Sea Cliff				
Quadrat Type				
Core Movement Area				
Quadrat Type Comment N/A				
Quadrat Number			GH-	Q6
X Coordinate		533916		
Y Coordinate		531805		
Survey Date		3 rd August 2017		
Surveyor		Andrew Torsney		
Substrate		Rock		
Stability		Solid		
Substrate Depth (cm)				
Slope Degrees		Mixed/Jagged		
Aspect		N/A		
Water Table Depth (cm)	Below	/ Surface		
Comments on Hydrology	None			
Quadrat Management	Touris	sm		
Adjacent Landuse		sm, Agriculture, residenti	al	
Grazing Comments	None			
General Faunal Observations None				
Structured Quadrat Cover Valu				
Total Vegetation Cover	<5	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	100	
Herb Grass Cover	<5	Bare Peat/Soil Cover	0	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	<5	Height Shrub Layer (cm) -	
Height Tree Layer (m)	-	Height Herb Layer (cm)		
Species Latin Name	Species En	glish Name	Species co	ver (Domin)
Cakile maritima	Sea rocket		2	-

Galley Head	Site & Quadrat	Number:	156	GH-Q7
reminder on shallow soil layer of Quadrat Comments N/A	ark by the Lighthouse. Half of qua rock outcrop. Heavily impacted, a			
Habitat Type	Decelerized Dave Crownd			
ED2/ED3 Exposed Bare Ground/I Quadrat Type	Recolonised Bare Ground			
Core Movement Area				
Quadrat Type Comment N/A				
Quadrat Number			GH-Q	7
X Coordinate	533966			
Y Coordinate	531818			
Survey Date	3 rd August 2017			
Surveyor	Andrew Torsney			
Substrate	Semi Artificial Su	Irface/ Soil		
Stability	Very Firm	·		
Substrate Depth (cm)	N/A			
Slope Degrees	0			
Aspect	N/A			
Water Table Depth (cm)	Below surface			
Comments on Hydrology	None			
Quadrat Management	Unofficial carpark			
Adjacent Landuse	Visitor use			
Grazing Comments	No evidence of Grazing	ļ		
General Faunal Observations None				
Structured Quadrat Cover Va				
Total Vegetation Cover	35 Litter Cover		0	
Tree Cover	0 Algae Cover		0	
Shrub Cover Herb Grass Cover	0 Rock Cover 35 Bare Peat/Soil Co	ovor	0 65	
Bryophyte Cover	0 Open Water Cov		0	
Height of Vegetation (cm)	<5 Height Shrub Lav	ver (cm)	_	
Height Tree Layer (m)	- Height Herb Lay		- <5	
Consider Latin Name	On a size Frendisk Name			(Damin)
Species Latin Name	Species English Name		ies cov	er (Domin)
Festuca rubra	Red Fescue	3		
Lolium perenne	Perennial Rye-grass	3		
Plantago major	Greater Plantain	1		
Poa tribialus	Bluegrass	5		
Matricaria discoidea	Pineapple weed	3		

Lough Hyne	Site &	Quadrat Number:	154	LH-Q1
Quadrat Description				
Edge of the core movement zone,	high bank on the	opposite side of the ro	ad to the lake	. Along a
small layby suitable for 2 cars.	-			-
Quadrat Comments				
N/A				
Habitat Type				
WS1 Scrub				
Quadrat Type				
Secondary Movement Area				
Quadrat Type Comment				
N/A				
Quadrat Number			LH-Q1	
X Coordinate		509591		
Y Coordinate		528999		
Survey Date		3 rd August 2017		
Surveyor		Andrew Torsney		
Substrate		Soil		
Stability		Very Firm		
Substrate Depth (cm)				
Slope Degrees		30		
Aspect		S		
Water Table Depth (cm)	Below surf	ace		
Comments on Hydrology	None			
Quadrat Management	None			
Adjacent Landuse	Recreation	and residential		
Grazing Comments	None			
General Faunal Observations				
None	aa (0/)			
Structured Quadrat Cover Valu Total Vegetation Cover	100 100	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	100	Rock Cover	0	
Herb Grass Cover	0	Bare Peat/Soil Cover	Ő	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	100-200	Height Shrub Layer (c	m) 100-200	
Height Tree Layer (m)	-	Height Herb Layer (cn	,	
			' '	
Species Latin Name	Species Englis	-	oecies cover Domin)	
Crocosmia x crocosmiiflora	Montbretia	7		
Convolvulus arvensis	Field Bind Weed	5		
Rubus fruticosus	Brambles	6		
Pteridium aquilinum	Bracken	5		

Lough Hyne		Site & Quadrat Numb	er:	154	LH-Q2
Quadrat Description Steep bank between the receiving Quadrat Comments	carpark and t	he main recreation area.			
N/A					
Habitat Type					
HH4 Montane Heath					
Quadrat Type					
Secondary Movement Area					
Quadrat Type Comment N/A					
Quadrat Number			l	_H-Q2	
X Coordinate		634970			
Y Coordinate		922991			
Survey Date		3 rd August 2017			
Surveyor		Andrew Torsney			
Substrate		Peat			
Stability		Firm Dry			
Substrate Depth (cm)					
Slope Degrees		30			
Aspect		S			
Water Table Depth (cm)	Belov	w surface			
Comments on Hydrology	None	2			
Quadrat Management	None	2			
Adjacent Landuse	Recr	eation and Residential			
Grazing Comments	None	9			
General Faunal Observations None					
Structured Quadrat Cover Valu				_	
Total Vegetation Cover	100	Litter Cover)	
Tree Cover Shrub Cover	0 85	Algae Cover Rock Cover))	
Herb Grass Cover	15	Bare Peat/Soil Cover)	
Bryophyte Cover	0	Open Water Cover		5	
Height of Vegetation (cm)	50-	Height Shrub Layer (cm)) 1	50-80	
	-05 80		,	00 00	
Height Tree Layer (m)	-	Height Herb Layer (cm)	-	10-15	
Species Latin Name	Species E	nglish Name	Species	<u>cove</u> r	(Domin)
Erica Tetralix	Cross leave	ed heath	5		
Calluna vulgaris	Heather		8		
Lotus corniculatus	Birds foot t	refoil	5		
Molinia caerulea	Purple Moo	re grass	4		

Lough Hyne		Site & Quadrat Numb	er: 154 LH-Q3
Quadrat Description			
Steep bank between the receiving	carpark and t	he main recreation area.	
Quadrat Comments			
N/A			
Habitat Type			
HD1 Dense Bracken			
Quadrat Type Secondary Movement Area			
Quadrat Type Comment			
N/A			
Quadrat Number			LH-Q3
X Coordinate		509434	
Y Coordinate		528970	
Survey Date		3 rd August 2017	
Surveyor		Andrew Torsney	
Substrate		Soil	
Stability		Very Firm	
Substrate Depth (cm)			
Slope Degrees		35	
Aspect		S	
Water Table Depth (cm)	Below	v surface	
Comments on Hydrology	None	1	
Quadrat Management	None		
Adjacent Landuse	Recre	eation and Residential	
Grazing Comments	None	}	
General Faunal Observations			
Structured Quadrat Cover Valu	ies (%)		
Total Vegetation Cover	100	Litter Cover	0
Tree Cover	0	Algae Cover	0
Shrub Cover	100	Rock Cover	0
Herb Grass Cover Bryophyte Cover	0 0	Bare Peat/Soil Cover Open Water Cover	0 0
	0		U
Height of Vegetation (cm)	150	Height Shrub Layer (cm)	
Height Tree Layer (m)	0	Height Herb Layer (cm)	0
Species Latin Name	Species E	nglish Name	Species cover (Domin)
Rubus fruticosus	Brambles		7
Rosa canina	Dog Rose		5
Fragaria vesca	Wild Strawb	Derry	5
Filipendula ulmaria	Meadow Sw		7

Lough Hyne		Site & Quadrat Numb	er: 154	LH-Q4
Quadrat Description				
Carpark structure, in moderate conditi	on. Worn	surfaces around the edge	of the carpark	K
Quadrat Comments				
N/A				
Habitat Type				
BL3 Buildings and Artificial Surfaces				
Quadrat Type				
Secondary Movement Area				
Quadrat Type Comment				
N/A				
Quadrat Number			LH-Q4	
X Coordinate		509301		
Y Coordinate		529026		
Survey Date		3 rd August 2017		
Surveyor		Andrew Torsney		
Substrate		-		
Stability		-		
Substrate Depth (cm)		-		
Slope Degrees		-		
Aspect		-		
Water Table Depth (cm)	Belo	w surface		
Comments on Hydrology	Non	e		
Quadrat Management		bark facility		
Adjacent Landuse	Rec	reation and residential		
Grazing Comments	Non	e		
General Faunal Observations None				
Structured Quadrat Cover Values	(%)			
Total Vegetation Cover	0	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	0	Bare Peat/Soil Cover	0	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	-	Height Shrub Layer (cm)) –	
Height Tree Layer (m)	-	Height Herb Layer (cm)	-	
Species Latin Name S		nglish Name	Species cove	/ - ·

Lough Hyne	Site & Quadra	t Number: 154	LH-Q5
Quadrat Description Square pontoon used for recreation	n, with small rock mounds. Hea	vily trampled and impa	acted.
Quadrat Comments			
N/A			
Habitat Type			
GA2 Amenity Grassland (Improved)		
Quadrat Type Core Movement Area			
Quadrat Type Comment			
N/A			
Quadrat Number		LH-Q5	
X Coordinate	533890		
Y Coordinate	531783		
Survey Date	3 rd August 2017		
Surveyor	Andrew Torsney	/	
Substrate	Soil		
Stability	Very Firm – Tra	mpled	
Substrate Depth (cm)			
Slope Degrees	0		
Aspect	N/A		
Water Table Depth (cm)	Below surface		
Comments on Hydrology	None		
Quadrat Management	None		
Adjacent Landuse	Recreation and resider	ntial	
Grazing Comments	None		
General Faunal Observations None			
Structured Quadrat Cover Valu	es (%)		
Total Vegetation Cover	40 Litter Cover	0	
Tree Cover	0 Algae Cover	0	
Shrub Cover	0 Rock Cover	0	
Herb Grass Cover	40 Bare Peat/Soil C		
Bryophyte Cover	0 Open Water Cov	ver 0	
Height of Vegetation (cm)	Height Shrub La		
Height Tree Layer (m)	Height Herb Lay	ver (cm)	
Species Latin Name	Species English Name	Species cove	er (Domin)
Lolium perenne	Perennial Rye-grass	7	

Lough Hyne		Site & Quadrat Numb	per: 154	LH-Q6
Quadrat Description				
Vegetation in the verges of the road	l wall breaki	ng through cracks		
Quadrat Comments				
N/A				
Habitat Type BL3 Buildings and Artificial Surfaces				
Quadrat Type				
Core Movement Area				
Quadrat Type Comment N/A				
Quadrat Number			LH-Q6	
X Coordinate		533916		
Y Coordinate		531805		
Survey Date		3 rd August 2017		
Surveyor		Andrew Torsney		
Substrate		Road surface cracks		
Stability		Solid		
Substrate Depth (cm)				
Slope Degrees		-		
Aspect		-		
Water Table Depth (cm)	Belov	w surface		
Comments on Hydrology	None	2		
Quadrat Management	Roac	lway		
Adjacent Landuse	Recr	eation and residential		
Grazing Comments	None	9		
General Faunal Observations None				
Structured Quadrat Cover Value	es (%)			
Total Vegetation Cover	<5	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0_	Rock Cover	0	
Herb Grass Cover	<5	Bare Peat/Soil Cover	0	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	5	Height Shrub Layer (cm	,	
Height Tree Layer (m)	-	Height Herb Layer (cm)	5	
Species Latin Name	Species E	nglish Name	Species cove	r (Domin)
Lolium perenne	Perennial F	Rye-grass	3	
Plantago major	Greater Pla	antain	3	
	Bluegrass		2	
Poa tribialus	Didegrass		-	

Lough Hyne		Site & Quadrat Numb	er: 154	LH-Q7
Quadrat Description				
Surfaces area with cracks and sparse d	isturband	e tolerant species.		
Quadrat Comments				
N/A				
Habitat Type				
BL3 Buildings and Artificial Surfaces Quadrat Type				
Core Movement Area				
Quadrat Type Comment				
N/A				
Quadrat Number			LH-Q7	
X Coordinate		533966		
Y Coordinate		531818		
Survey Date		3 rd August 2017		
Surveyor		Andrew Torsney		
Substrate		Road surface cracks		
Stability		Solid		
Substrate Depth (cm)				
Slope Degrees		-		
Aspect		-		
Water Table Depth (cm)	Belo	w surface		
Comments on Hydrology	None	2		
Quadrat Management	Road	dway		
Adjacent Landuse	Recr	eation and residential		
Grazing Comments	None	e		
General Faunal Observations None				
Structured Quadrat Cover Values ((%)			
Total Vegetation Cover	<5	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0_	Rock Cover	0	
Herb Grass Cover	<5	Bare Peat/Soil Cover	0	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	5	Height Shrub Layer (cm)) -	
Height Tree Layer (m)	-	Height Herb Layer (cm)	5	
Species Latin Name S	pecies E	nglish Name	Species cove	r (Domin)
Lolium perenne Pe	erennial l	Rye-grass	3	
Plantago major G	reater Pla	antain	1	
Poa tribialus B	luegrass		2	
Trifolium pratense R	ed clovei		3	

Lough Hyne	Site & Quadrat N	umber: 154 LH-Q8
Quadrat Description		
	carpark and the main recreation ar	ea.
Quadrat Comments		
N/A		
Habitat Type		
HH4 Montane Heath		
Quadrat Type		
Tertiary Movement Area Quadrat Type Comment		
N/A		
Quadrat Number		LH-Q8
X Coordinate	509341	
Y Coordinate	528993	
Survey Date	3 rd August 2017	
Surveyor	Andrew Torsney	
Substrate	Peat	
Stability	Firm	
Substrate Depth (cm)		
Slope Degrees	35	
Aspect	S	
Water Table Depth (cm)	Below surface	
Comments on Hydrology	None	
Quadrat Management	None	
Adjacent Landuse	Recreation and residential	
Grazing Comments	None	
General Faunal Observations		
None		
Structured Quadrat Cover Valu		0
Total Vegetation Cover	100 Litter Cover	0
Tree Cover Shrub Cover	0 Algae Cover 100 Rock Cover	0 0
Herb Grass Cover	0 Bare Peat/Soil Cove	•
Bryophyte Cover	- Open Water Cover	0
		v
Height of Vegetation (cm)	100- Height Shrub Layer	(cm) 100-150
	150	
Height Tree Layer (m)	- Height Herb Layer ((cm) -
Species Latin Name	Species English Name	Species cover
		(Domin)
Erica Tetralix	Cross leaved heath	7
Calluna vulgaris	Heather	7
Lotus corniculatus	Birds foot trefoil	2
Molinia caerulea	Purple Moore grass	4

**Access issues meant that the underlayer could not be surveyed. Species were identified from the road using binoculars.

Dursey Sound		Site & Quadrat Numb	er: EP16	DS-Q1
Quadrat Description				
Quadrat is located in the upper end	of the carp	ark next to the cable car ve	oyage point.	
Quadrat Comments				
None				
Habitat Type				
BL3 Buildings and artificial surfaces				
Quadrat Type				
Core Movement Area				
Quadrat Type Comment N/A				
Quadrat Number			DS-Q1	
X Coordinate		450761		
Y Coordinate		541966		
Survey Date		27 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Gravel		
Stability		Solid		
Substrate Depth (cm)		0		
Slope Degrees		0		
Aspect		N/A		
Water Table Depth (cm)	Sub	Surface		
Comments on Hydrology	Non	e		
Quadrat Management		oark Facility		
Adjacent Landuse		nsit to Dursey Island or a zing by sheep	amenity walkin	g/hiking 8
Grazing Comments		levels of sheep grazing ob	served	
General Faunal Observations				
		None		
Structured Quadrat Cover Value	es (%)			
Total Vegetation Cover	0	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	100	
Herb Grass Cover	0	Bare Peat/Soil Cover	0	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	0	Height Shrub Layer (cm)) 0	
Height Tree Layer (m)	0	Height Herb Layer (cm)	0	
Species Latin Name	Species E	inglish Name	Species cove	r (Domin

Dursey Sound		Site & Quadrat Numb	er: EP16	DS-Q2
Quadrat Description				
Viewing point to the South of the ca	arpark with a	a desire line leading to it.		
Quadrat Comments				
None				
Habitat Type				
GS3 Dry-humid acid grassland				
Quadrat Type				
Core Movement Area				
Quadrat Type Comment None				
Quadrat Number			DS-Q2	
X Coordinate		450778		
Y Coordinate		450778 541888		
Survey Date		27 th July 2017		
Surveyor		Andrew Torsney		
Surveyor		Andrew Torsney		
Substrate		Soil		
Stability		Firm		
Substrate Depth (cm)		5cm		
Slope Degrees		5		
Aspect		SW		
Water Table Depth (cm)	Belo	w the surface		
Comments on Hydrology	Non	e		
Quadrat Management	Non	9		
Adjacent Landuse	Visit	or Use and Grazing		
Grazing Comments	Shee	ep comanage		
General Faunal Observations None				
Structured Quadrat Cover Value				
Total Vegetation Cover	95	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	95	Bare Peat/Soil Cover	5	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	<5	Height Shrub Layer (cm		
Height Tree Layer (m)	-	Height Herb Layer (cm)	<5	
Species Latin Name	Species English Name		Species cove	r (Domin)
Agrostis stolonifera		eping Bent	5	
Anthoxanthum odoratum		eet Vernal-grass	5	
Cerastium fontanum		mmon Mouse-ear	2	
Festuca ovina	Sh	eep's-fescue	6	

Dursey Sound		Site & Quadrat Numb	per: EP16	DS-Q3
Quadrat Description				
Carpark edge, recolonised ground.				
Quadrat Comments				
Heavily trampled.				
Habitat Type				
ED3 Recolonised Bare Ground				
Quadrat Type				
Core Movement Area				
Quadrat Type Comment				
None				
Quadrat Number			DS-Q3	
X Coordinate		450753		
Y Coordinate		541907		
Survey Date		27 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Soil		
Stability		Compacted firm		
Substrate Depth (cm)		<5		
Slope Degrees		0		
Aspect		N/A		
Water Table Depth (cm)		w the surface		
Comments on Hydrology	Non	e		
Quadrat Management		oark Facility		
Adjacent Landuse		nsit to Dursey Island or zing by sheep	amenity walking/	niking 8
Grazing Comments		levels of sheep grazing of	bserved on coman	ade
General Faunal Observations				- J -
None				
Structured Quadrat Cover Value	• •	Litter Cover	0	
Total Vegetation Cover	70	Litter Cover	0	
Tree Cover Shrub Cover	0	Algae Cover	0	
	0	Rock Cover	0	
Herb Grass Cover	70	Bare Peat/Soil Cover	30 0	
Bryophyte Cover	0	Open Water Cover	U	
Height of Vegetation (cm)	10	Height Shrub Layer (cm		
Height Tree Layer (m)	-	Height Herb Layer (cm)	10	
Species Latin Name		inglish Name	Species cover (Domin
Hypochaeris radicata	Cat's-ear	1	3	
Rumex acetosella	Sheep's So		2	
Agrostis stolonifera	Creeping E		5	
Festuca ovina	Sheep's Fe	scue	6	

Dursey Sound		Site & Quadrat Numb	er: EP16	DS-Q4
Quadrat Description				
Narrow trail from the carpark to t			area. Wooden	planks laid
across the muddy patch to serve a	s a make shi	ft bridge structure.		
Quadrat Comments				
Heavily trampled and damaged				
Habitat Type				
ED2 Spoil and bare Ground Quadrat Type				
Core Movement Area				
Quadrat Type Comment				
None				
None				
Quadrat Number			DS-Q4	
X Coordinate		450718		
Y Coordinate		541938		
Survey Date		27 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Soil		
Stability		Trampled/Sludge		
Substrate Depth (cm)				
Slope Degrees		5		
Aspect		W		
Water Table Depth (cm)	Belo	w the surface		
Comments on Hydrology	Non	e		
Quadrat Management	Woo	oden planks laid down as a	pathway	
Adjacent Landuse		rist use and grazing		
Grazing Comments	She	ep grazed comanage		
General Faunal Observations				
None Structured Quadrat Cover Valu	00 (0/2)			
Total Vegetation Cover	es (%)	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	0 0	Bare Peat/Soil Cover	100	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	-	Height Shrub Layer (cm) -	
Height Tree Layer (m)	-	Height Herb Layer (cm)		
Species Latin Name	Species E	inglish Name	Species cove	r (Domin)

Dursey Sound		Site & Quadrat Numb	er: EP1	5 DS-Q5
Quadrat Description				
Robust grassland adjacent to the n	narked walking	trail.		
Quadrat Comments				
None				
Habitat Type				
GS3 Dry-humid acid grassland				
Quadrat Type				
Core Movement Area				
Quadrat Type Comment None				
Quadrat Number			DS-Q	25
X Coordinate		450707		
Y Coordinate		541973		
Survey Date		21th July 2017		
Surveyor		Andrew Torsney		
Substrate		Mineral Soil		
Stability		Firm		
Substrate Depth (cm)		_		
Slope Degrees		5		
Aspect		W		
Water Table Depth (cm)		the surface		
Comments on Hydrology	None			
Quadrat Management	Grazin			
Adjacent Landuse Grazing Comments		t use and grazing grazing comanage		
General Faunal Observations	Sheep	grazing contanage		
None				
Structured Quadrat Cover Valu	es (%)			
Total Vegetation Cover		Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	-	Rock Cover	0	
Herb Grass Cover		Bare Peat/Soil Cover	0	
Bryophyte Cover		Open Water Cover	0	
Height of Vegetation (cm) Height Tree Layer (m)		Height Shrub Layer (cm Height Herb Layer (cm)		n
Theight Thee Layer (III)	-		10-4	U
Species Latin Name	Species Eng	glish Name	Species cov	ver (Domin)
Agrostis sp.	Bent		3	
Cynosurus cristatus	Crested Dog		5	
Erica tetralix	Cross-leaved	d Heath	3	
Festuca rubra	Red Fescue		6	
Holcus lanatus	Yorkshire-fog	9	5	
Hypochaeris radicata	Cat's-ear		3	
Lolium perenne	Perennial Ry		4	
Luzula multiflora	Heath Wood		2	

Ribwort Plantain

Creeping Buttercup

Common Ragwort

Tormentil

Selfheal

3

3

2

3 1

Plantago lanceolata

Ranunculus repens

Senecio jacobaea

Potentilla erecta

Prunella vulgaris

Dursey Sound		Site & Quadrat Num	ber:	EP16	DS-Q6
Quadrat Description Mosaic of heath and dry acidic gra Quadrat Comments	assland.				
Topography appears to dictate ha Habitat Type	bitat type due	e to drainage potential.			
HH1 Dry siliceous heath					
Quadrat Type					
Secondary Movement Area					
Quadrat Type Comment					
None					
Quadrat Number				DS-Q6	
X Coordinate		450740			
Y Coordinate		541999			
Survey Date		27 th July 2017			
Surveyor		Andrew Torsney			
Substrate		Peat			
Stability		Firm			
Substrate Depth (cm)					
Slope Degrees		<5			
Aspect		East			
Water Table Depth (cm)	Belo	w the surface			
Comments on Hydrology	Non	е			
Quadrat Management	She	ep Grazing			
Adjacent Landuse		rist Use and Grazing			
Grazing Comments General Faunal Observations	She	ep grazing comanage			
None Structured Quadrat Cover Val	ues (%)				
Total Vegetation Cover	100	Litter Cover		40	
Tree Cover	0	Algae Cover		0	
Shrub Cover	80	Rock Cover		0	
Herb Grass Cover	30	Bare Peat/Soil Cover		0	
Bryophyte Cover	<5	Open Water Cover		0	
Height of Vegetation (cm)	20	Height Shrub Layer (cn	n)	20	
Height Tree Layer (m)	-	Height Herb Layer (cm)	20	
Species Latin Name	Species E	inglish Name	Spec	ies cover	(Domin)
Agrostis sp.	Bent		3		
Calluna vulgaris	Ling Heath	ner	3		
Carex panicea	Carnation	Sedge	5		
Carex sp.	Sedge		3		
Danthonia decumbens	Heath-gras	SS	3		
Erica tetralix	Cross-leav		4		
Festuca ovina	Sheep's-fe		4		
Hypnum jutlandicum	Moss		3		
Molinia caerulea	Purple Mo	or-grass	5		
	Tormentil	บเ−yเอออ			
Potentilla erecta	ronnentil		3		

Dursey Sound		Site & Quadrat Num	ber: El	P16	DS-Q7
Quadrat Description Tussock, raised peated mound wit Quadrat Comments None Habitat Type	h heath specie	es present			
HH1 Dry siliceous heath					
Quadrat Type Tertiary Morvement Area					
Quadrat Type Comment N/A					
Quadrat Number			D	S-Q7	
X Coordinate		450799			
Y Coordinate		542024			
Survey Date		27 th July 2017			
-		Andrew Torsney			
Surveyor		And ew Torsney			
Substrate		Peat			
Stability		Frim			
Substrate Depth (cm)		11111			
• • • •		10			
Slope Degrees		10 W			
Aspect		vv			
Water Table Depth (cm)		w surface			
Comments on Hydrology	No si	urface water features nea	rby		
Quadrat Management	Grazi	ng			
Adjacent Landuse	Touri	st use and grazing			
Grazing Comments		p comanage			
General Faunal Observations none					
Structured Quadrat Cover Valu	105 (0/2)				
	JES (70)				
Total Vegetation Cover	100 100	Litter Cover	20)	
-)	
Total Vegetation Cover	100	Litter Cover Algae Cover Rock Cover	20 0 0)	
Total Vegetation Cover Tree Cover	100 0	Algae Cover Rock Cover	0)	
Total Vegetation Cover Tree Cover Shrub Cover	100 0 20	Algae Cover	0 0)	
Total Vegetation Cover Tree Cover Shrub Cover Herb Grass Cover Bryophyte Cover	100 0 20 60 <5	Algae Cover Rock Cover Bare Peat/Soil Cover Open Water Cover	0 0 0		
Total Vegetation Cover Tree Cover Shrub Cover Herb Grass Cover	100 0 20 60	Algae Cover Rock Cover Bare Peat/Soil Cover	0 0 0 0)	
Total Vegetation Cover Tree Cover Shrub Cover Herb Grass Cover Bryophyte Cover Height of Vegetation (cm) Height Tree Layer (m)	100 0 20 60 <5 20 -	Algae Cover Rock Cover Bare Peat/Soil Cover Open Water Cover Height Shrub Layer (cm Height Herb Layer (cm)	0 0 0 0 0)	
Total Vegetation Cover Tree Cover Shrub Cover Herb Grass Cover Bryophyte Cover Height of Vegetation (cm) Height Tree Layer (m) Species Latin Name	100 0 20 60 <5 20 - Species Er	Algae Cover Rock Cover Bare Peat/Soil Cover Open Water Cover Height Shrub Layer (cm	0 0 0 0 20 Species)	(Domin)
Total Vegetation Cover Tree Cover Shrub Cover Herb Grass Cover Bryophyte Cover Height of Vegetation (cm) Height Tree Layer (m) Species Latin Name <i>Agrostis sp.</i>	100 0 20 60 <5 20 - Species Er Bent	Algae Cover Rock Cover Bare Peat/Soil Cover Open Water Cover Height Shrub Layer (cm Height Herb Layer (cm)	0 0 0 0 20 5)	(Domin)
Total Vegetation Cover Tree Cover Shrub Cover Herb Grass Cover Bryophyte Cover Height of Vegetation (cm) Height Tree Layer (m) Species Latin Name Agrostis sp. Anagallis tenella	100 0 20 60 <5 20 - Species Er Bent Bog Pimper	Algae Cover Rock Cover Bare Peat/Soil Cover Open Water Cover Height Shrub Layer (cm Height Herb Layer (cm)	0 0 0 0 2 0 2 0 2)	· (Domin)
Total Vegetation Cover Tree Cover Shrub Cover Herb Grass Cover Bryophyte Cover Height of Vegetation (cm) Height Tree Layer (m) Species Latin Name Agrostis sp. Anagallis tenella Calluna vulgaris	100 0 20 60 <5 20 - Species Er Bent Bog Pimper Heather	Algae Cover Rock Cover Bare Peat/Soil Cover Open Water Cover Height Shrub Layer (cm Height Herb Layer (cm) nglish Name	0 0 0 0 20 20 5 2 7)	· (Domin)
Total Vegetation Cover Tree Cover Shrub Cover Herb Grass Cover Bryophyte Cover Height of Vegetation (cm) Height Tree Layer (m) Species Latin Name Agrostis sp. Anagallis tenella Calluna vulgaris Carex panicea	100 0 20 60 <5 20 - Species Er Bent Bog Pimper Heather Carnation S	Algae Cover Rock Cover Bare Peat/Soil Cover Open Water Cover Height Shrub Layer (cm Height Herb Layer (cm) nglish Name	0 0 0 20 5 2 7 4)	(Domin)
Total Vegetation Cover Tree Cover Shrub Cover Herb Grass Cover Bryophyte Cover Height of Vegetation (cm) Height Tree Layer (m) Species Latin Name Agrostis sp. Anagallis tenella Calluna vulgaris Carex panicea Danthonia decumbens	100 0 20 60 <5 20 - Species Er Bent Bog Pimper Heather Carnation S Heath-gras	Algae Cover Rock Cover Bare Peat/Soil Cover Open Water Cover Height Shrub Layer (cm Height Herb Layer (cm) nglish Name	0 0 0 0 20 Species 5 2 7 4 3)	(Domin)
Total Vegetation Cover Tree Cover Shrub Cover Herb Grass Cover Bryophyte Cover Height of Vegetation (cm) Height Tree Layer (m) Species Latin Name Agrostis sp. Anagallis tenella Calluna vulgaris Carex panicea Danthonia decumbens Erica cinerea	100 0 20 60 <5 20 - Species Er Bent Bog Pimper Heather Carnation S Heath-gras Bell Heather	Algae Cover Rock Cover Bare Peat/Soil Cover Open Water Cover Height Shrub Layer (cm) Height Herb Layer (cm) nglish Name mel Sedge s	0 0 0 0 2 2 7 4 3 6)	· (Domin)
Total Vegetation Cover Tree Cover Shrub Cover Herb Grass Cover Bryophyte Cover Height of Vegetation (cm) Height Tree Layer (m) Species Latin Name Agrostis sp. Anagallis tenella Calluna vulgaris Carex panicea Danthonia decumbens Erica cinerea Festuca ovina	100 0 20 60 <5 20 - - Species Er Bent Bog Pimper Heather Carnation S Heath-gras Bell Heather Sheep's-fes	Algae Cover Rock Cover Bare Peat/Soil Cover Open Water Cover Height Shrub Layer (cm) Height Herb Layer (cm) nglish Name mel Sedge s	0 0 0 2 2 7 4 3 6 7)	(Domin)
Total Vegetation Cover Tree Cover Shrub Cover Herb Grass Cover Bryophyte Cover Height of Vegetation (cm) Height Tree Layer (m) Species Latin Name Agrostis sp. Anagallis tenella Calluna vulgaris Carex panicea Danthonia decumbens Erica cinerea Festuca ovina Hypnum jutlandicum	100 0 20 60 <5 20 - - Species Er Bent Bog Pimper Heather Carnation S Heath-gras Bell Heather Sheep's-fes Moss	Algae Cover Rock Cover Bare Peat/Soil Cover Open Water Cover Height Shrub Layer (cm) Height Herb Layer (cm) nglish Name rnel Sedge s er scue	0 0 0 20 5 2 7 4 3 6 7 3)	(Domin)
Total Vegetation Cover Tree Cover Shrub Cover Herb Grass Cover Bryophyte Cover Height of Vegetation (cm) Height Tree Layer (m) Species Latin Name Agrostis sp. Anagallis tenella Calluna vulgaris Carex panicea Danthonia decumbens Erica cinerea Festuca ovina Hypnum jutlandicum Luzula multiflora	100 0 20 60 <5 20 - - Species Er Bent Bog Pimper Heather Carnation S Heath-gras Bell Heather Sheep's-fes Moss Heath Woo	Algae Cover Rock Cover Bare Peat/Soil Cover Open Water Cover Height Shrub Layer (cm Height Herb Layer (cm) nglish Name rnel Sedge s scue d-rush	0 0 0 2 (5 2 7 4 3 6 7 3 3 3)	(Domin)
Total Vegetation Cover Tree Cover Shrub Cover Herb Grass Cover Bryophyte Cover Height of Vegetation (cm) Height Tree Layer (m) Species Latin Name Agrostis sp. Anagallis tenella Calluna vulgaris Carex panicea Danthonia decumbens Erica cinerea Festuca ovina Hypnum jutlandicum Luzula multiflora Plantago maritima	100 0 20 60 <5 20 - - Species Er Bent Bog Pimper Heather Carnation S Heath-gras Bell Heather Sheep's-fes Moss Heath Woo Sea Plantai	Algae Cover Rock Cover Bare Peat/Soil Cover Open Water Cover Height Shrub Layer (cm Height Herb Layer (cm) nglish Name rnel Sedge s er scue d-rush	0 0 0 20 5 2 7 4 3 6 7 3 3 5)	(Domin)
Total Vegetation Cover Tree Cover Shrub Cover Herb Grass Cover Bryophyte Cover Height of Vegetation (cm) Height Tree Layer (m) Species Latin Name Agrostis sp. Anagallis tenella Calluna vulgaris Carex panicea Danthonia decumbens Erica cinerea Festuca ovina Hypnum jutlandicum Luzula multiflora	100 0 20 60 <5 20 - - Species Er Bent Bog Pimper Heather Carnation S Heath-gras Bell Heather Sheep's-fes Moss Heath Woo	Algae Cover Rock Cover Bare Peat/Soil Cover Open Water Cover Height Shrub Layer (cm) Height Herb Layer (cm) nglish Name rnel Sedge s s r scue	0 0 0 2 (5 2 7 4 3 6 7 3 3 3)	(Domin)

Dursey Sound	Site & Quadrat Nu	ımber: EP16	DS-Q8
Quadrat Description Quadrat over a raised ridge, next to Quadrat Comments None Habitat Type	o a rock outcrop. Off the desire line	with no human im	pacts noted
GS3 Dry-humid acid grassland			
Quadrat Type			
Tertiary Morvement Area Quadrat Type Comment N/A			
Quadrat Number		DS-Q8	3
X Coordinate	450811		
Y Coordinate	541946		
Survey Date	27 th July 2017		
Surveyor	Andrew Torsney		
Substrate	Soil		
Stability	Quite firm		
Substrate Depth (cm)	Quice initi		
Slope Degrees	15		
Aspect	west		
•			
Water Table Depth (cm)	Below surface		
Comments on Hydrology	No surface water features	nearby	
Quadrat Management	Commonage – Sheep Graz	ina	
Adjacent Landuse	Commonage – Sheep Graz		
Grazing Comments	Low levels of grazing	ing	
General Faunal Observations			
none			
Structured Quadrat Cover Valu			
Total Vegetation Cover	100 Litter Cover	10	
Tree Cover	0 Algae Cover	0	
Shrub Cover	0 Rock Cover	0	
Herb Grass Cover	100 Bare Peat/Soil Cover		
Bryophyte Cover	12 Open Water Cover	0	
Height of Vegetation (cm)	10 Height Shrub Layer	(cm) -	
Height Tree Layer (m)	- Height Herb Layer (
		•	
Species Latin Name	Species English Name	Species cove	er (Domin)
Agrostis stolonifera	Creeping Bent	5	
Anthoxanthum odoratum Cerastium fontanum	Sweet Vernal-grass Common Mouse-ear	<u> </u>	
Festuca ovina	Sheep's-fescue	6	
Holcus lanatus	Yorkshire-fog	3	
Hypochaeris radicata	Cat's-ear	2	
Juncus articulatus	Jointed Rush	5	
		3	
Luzuia muilinora	Heath Wood-rush		
Luzula multiflora Potentilla erecta	Heath Wood-rush Tormentil		
Potentilla erecta Rhytidiadelphus squarrosus	Heath Wood-rush Tormentil Springy Turf-Moss	<u> </u>	

Derrynane House		Site & Quadrat Num	ber:	135a	DNH-Q1
Quadrat Description					
Wildflower meadow to the south o	f the house l	eading to the beach with	a manag	ged m	own access
strip through the centre.					
Quadrat Comments					
None					
Habitat Type					
GS3 Dry Humid Acid Grassland					
Quadrat Type					
Core Movement Area					
Quadrat Type Comment					
None					
Quadrat Number			[ONH-Q	1
X Coordinate		452976			
Y Coordinate		558750			
Survey Date		26 th July 2017			
Surveyor		Andrew Torsney			
Substrate		Soil			
Stability		Moderate			
Substrate Depth (cm)					
Slope Degrees		0			
Aspect		-			
Water Table Depth (cm)	Belov	w Surface			
Comments on Hydrology	None	2			
Quadrat Management		aged to be nutrient poor			
Adjacent Landuse		or Recreation/Amenity			
Grazing Comments	No e	vidence			
General Faunal Observations None					
Structured Quadrat Cover Valu	es (%)				
Total Vegetation Cover	100	Litter Cover	(
Tree Cover	0	Algae Cover)	
Shrub Cover	0	Rock Cover)	
Herb Grass Cover	100	Bare Peat/Soil Cover)	
Bryophyte Cover	0	Open Water Cover	()	
Height of Vegetation (cm)	40-	Height Shrub Layer (cm	ı) -		
Height Tree Layer (m)	80 -	Height Herb Layer (cm)		40-80	
Species Latin Name	Species E	nglish Name	Species	cove	r (Domin
Cirsium vulgare	Spear thist		6		
Plantago lanceolata	Ribwort pla	intain	6		
Trifolium pratense	Red clover		6		

-		-	-
Quadrat Description			
Wildflower meadow to the south of	r the house l	eading to the beach with	a managed mown access
strip through the centre.			
Quadrat Comments			
None			
Habitat Type			
GS3 Dry Humid Acid Grassland Quadrat Type			
Core Movement Zone			
Quadrat Type Comment			
Visitors do not stray from the mana	aed path		
visitors do not stray from the mana	ged putt		
Quadrat Number			DNH-Q2
X Coordinate		452965	
Y Coordinate		558715	
Survey Date		26 th July 2017	
Surveyor		Andrew Torsney	
Substrate		Soil	
Stability		Moderate	
Substrate Depth (cm)			
Slope Degrees		0	
Aspect		-	
Water Table Depth (cm)	Belov	v Surface	
Comments on Hydrology	None	2	
Quadrat Management	Mana	aged to be nutrient poor	
Adjacent Landuse		or Recreation/Amenity	
Grazing Comments	No e	vidence	
General Faunal Observations None			
Structured Quadrat Cover Value	es (%)		
Total Vegetation Cover	100	Litter Cover	0
Tree Cover	0	Algae Cover	0
Shrub Cover	0	Rock Cover	0
Herb Grass Cover	100	Bare Peat/Soil Cover	0
Bryophyte Cover	0	Open Water Cover	0
Height of Vegetation (cm)	40- 80	Height Shrub Layer (cm)) -
Height Tree Layer (m)	-	Height Herb Layer (cm)	40-80
Species Latin Name	Species E	nglish Name	Species cover (Domin)
Anisantha sterilis (Bromus sterilis)	Brom grass		4
Vicia sativa	Vetch		3
Filipendula ulmaria	Meadow Sw	veet	5

Red Clover

Trifolium pratense

5

Derrynane House	Site & Quadrat Number:	135a DNH-Q3

Quadrat Description			
Wildflower meadow to the south of	f the house le	ading to the beach with	n a managed mown access
strip through the centre. Quadrat Comments			
None			
Habitat Type			
GS3 Dry Humid Acid Grassland			
Quadrat Type			
Core Movement Area			
Quadrat Type Comment			
Visitors do not stray from the mana	ged path		
Quadrat Number			DNH-Q3
X Coordinate		453012	
Y Coordinate		558714	
Survey Date		26 th July 2017	
Surveyor		Andrew Torsney	
Substrate		Soil	
Stability		Moderate	
Substrate Depth (cm)			
Slope Degrees		0	
Aspect		-	
Water Table Depth (cm)	Polou	/ Surface	
Water Table Depth (cm) Comments on Hydrology	None	Juliace	
comments on rightology	NULLE		
Quadrat Management	Mana	ged to be nutrient poor	
Adjacent Landuse	Visito	r Recreation/Amenity	
Grazing Comments	No ev	vidence	
General Faunal Observations			
None			
Structured Quadrat Cover Value			0
Total Vegetation Cover	100	Litter Cover	0
Tree Cover	0	Algae Cover	0
Shrub Cover	0	Rock Cover	0
Herb Grass Cover	100	Bare Peat/Soil Cover	0
Bryophyte Cover	0	Open Water Cover	0
Height of Vegetation (cm)	40-	Height Shrub Layer (cm	ı) -
	80		
Height Tree Layer (m)	-	Height Herb Layer (cm)) 40-80
Species Latin Name	Species En	iglish Name	Species cover (Domin)
Trifolium pratense	Red Clover		7
Stellaria media	Chickweed		4
Anisantha sterilis (Bromus sterilis)	Brom Grass		4
		e	

Birds foot trefoil

Lotus corniculatus

5

Derrynane House		Site & Quadrat Numb	er: 135a	DNH-Q4
Quadrat Description Machair habitat, with a mown strip Quadrat Comments None Habitat Type CD6 Machair	for visitors to	walk. Grazed by cattle to) maintain hat	itat type.
Quadrat Type				
Core Movement Area				
Quadrat Type Comment None				
Quadrat Number			DNH-	Q4
X Coordinate		452010		
Y Coordinate		452919 558624		
Survey Date		26 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Soil with sand Moderate		
Stability Substrate Depth (cm)		Mouerale		
Slope Degrees		4		
Aspect		Ň		
Water Table Depth (em)	Polo	w the surface		
Water Table Depth (cm) Comments on Hydrology		t slope towards dune slac	k habitat	
Quadrat Managament	Strict	the managed for acalegy a	nd visitors	
Quadrat Management Adjacent Landuse		tly managed for ecology a nity use and recreation		
Grazing Comments		e grazing managed specifi	cally for the h	abitat
General Faunal Observations		- 3 3		
None Structured Quadrat Cover Valu	les (%)			
Total Vegetation Cover	100	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	100	Bare Peat/Soil Cover	0	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	20-	Height Shrub Layer (cm)) -	
	40			
Height Tree Layer (m)	-	Height Herb Layer (cm)	20-40	
Species Latin Name	Species E	nglish Name	Species cov	er (Domin)
Galium verum	Ladies Bed		7	
Anacamptis pyramidalis	Pyramidal Orchid		2	
Achillea millefolium	Yarrow		1	
Plantago lanceolata	Ribwort Pla		5	
Anthyllis vulneraria	Kidney Vet		6	
Festuca rubra	Red Fescue		4	

Derrynane House		Site & Quadrat Numbe	r:	135a	DNH-Q5
Quadrat Description					
Small hill managed as a viewing poir	nt.				
Quadrat Comments					
N/A					
Habitat Type WS1 Scrub					
Quadrat Type					
Core Movement Area					
Quadrat Type Comment None					
Quadrat Number				DNH-Q	5
X Coordinate		452167			
Y Coordinate		453167 558691			
Survey Date		26 th July 2017			
Surveyor		Andrew Torsney			
Substrate		Soil			
Stability		Firm			
Substrate Depth (cm)					
Slope Degrees		25			
Aspect		S			
Aspect		5			
Water Table Depth (cm)	Below	the surface			
Comments on Hydrology	None				
Quadrat Management	Manag	ged walkway and viewing p	ooint		
Adjacent Landuse	Visitor	amenity and recreation			
Grazing Comments	None	at this location			
General Faunal Observations					
None					
Structured Quadrat Cover Value	• •				
Total Vegetation Cover	100	Litter Cover		0	
Tree Cover	0	Algae Cover		0	
Shrub Cover	100	Rock Cover		0	
Herb Grass Cover	30	Bare Peat/Soil Cover		0	
Bryophyte Cover	0	Open Water Cover		0	
Height of Vegetation (cm)	30-	Height Shrub Layer (cm)		200	
	200	The grit Shi up Layer (CIII)		200	
Height Tree Layer (m)	-	Height Herb Layer (cm)		30	
Species Latin Name	Species En	glish Name S	nocia		r (Domin)
Species Latin Name Rubus fruticosus	Brambles	glish Name S 8	pecie	s cove	
Ulex Ulex	Gorse	5			
		6			
Pteridium aquilinum	Bracken				
Rosa rubiginosa	Dogs Rose	5			
Convolvulus arvensis	Field bindwe				
Stellaria media	Chickweed	2			

Derrynane House		Site & Quadrat Numb	er: 135a	DNH-Q6
Quadrat Description				
Sandy beach, no literal zone evident				
Quadrat Comments				
None				
Habitat Type				
LS2 Sand Shores				
Quadrat Type Core Movement Zones				
Quadrat Type Comment None				
Quadrat Number			DNH-Q	6
X Coordinate		452749		
Y Coordinate		558528		
Survey Date		26 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Sand		
Stability		Soft		
Substrate Depth (cm)				
Slope Degrees		4		
Aspect		S		
Water Table Depth (cm)	Belo	ow the surface		
Comments on Hydrology	Non	e		
Quadrat Management	Bea	ch management, lifeguard	patrol	
Adjacent Landuse	Ame	enity and recreation		
Grazing Comments	Non	e		
General Faunal Observations				
None				
Structured Quadrat Cover Value			-	
Total Vegetation Cover	0	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	0	Bare Peat/Soil Cover	100	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	-	Height Shrub Layer (cm)) –	
Height Tree Layer (m)	-	Height Herb Layer (cm)	-	
Species Latin Name	Species E	English Name	Species cove	r (Domin)

Derrynane House		Site & Quadrat Numb	er:	135a	DNH-Q7
Quadrat Description					
Sandy beach, no literal zone eviden	t				
Quadrat Comments					
None					
Habitat Type					
LS2 Sand Shores					
Quadrat Type					
Core Movement Zones					
Quadrat Type Comment None					
Quadrat Number				DNH-Q	7
X Coordinate		452696			
Y Coordinate		558539			
Survey Date		26 th July 2017			
Surveyor		Andrew Torsney			
Substrate		Sand			
Stability		Soft			
Substrate Depth (cm)					
Slope Degrees		4			
Aspect		S			
Water Table Depth (cm)	Belo	ow the surface			
Comments on Hydrology	Non	e			
Quadrat Management		ch management, lifeguard	patrol		
Adjacent Landuse		enity and recreation			
Grazing Comments	Non	e			
General Faunal Observations None					
Structured Quadrat Cover Value	es (%)				
Total Vegetation Cover	0	Litter Cover		0	
Tree Cover	0	Algae Cover		0	
Shrub Cover	0	Rock Cover		0	
Herb Grass Cover	0	Bare Peat/Soil Cover		100	
Bryophyte Cover	0	Open Water Cover		0	
Height of Vegetation (cm)	-	Height Shrub Layer (cm))	-	
Height Tree Layer (m)	-	Height Herb Layer (cm)		-	
Species Latin Name	Species E	English Name	Specie	s cove	r (Domin)

Derrynane House		Site & Quadrat Num	er:	135a	DNH-Q8
Quadrat Description					
Narrow sweeping strip of dunes wit	h a machair:	habitat on the sheltered s	ide.		
Quadrat Comments					
None					
Habitat Type					
CD2 Marram Dunes					
Quadrat Type					
Core Movement Zone					
Quadrat Type Comment					
None					
Quadrat Number				DNH-Q	8
X Coordinate		452521			
Y Coordinate		558557			
Survey Date		26 th July 2017			
Surveyor		Andrew Torsney			
Substrate		Sand			
Stability		Soft			
Substrate Depth (cm)					
Slope Degrees		4			
Aspect		S			
Water Table Depth (cm)	Belo	w the surface			
Comments on Hydrology	None	e			
Quadrat Management	Bead	ch management, lifeguard	patrol		
Adjacent Landuse	Ame	nity and recreation			
Grazing Comments	None	e			
General Faunal Observations None					
Structured Quadrat Cover Valu	• •				
Total Vegetation Cover	85	Litter Cover		0	
Tree Cover	0	Algae Cover		0	
Shrub Cover	0	Rock Cover		0	
Herb Grass Cover	85	Bare Peat/Soil Cover		15	
Bryophyte Cover	0	Open Water Cover		0	
Height of Vegetation (cm)	50	Height Shrub Layer (cm		-	
Height Tree Layer (m)	-	Height Herb Layer (cm)		50	
Species Latin Name		nglish Name		es cove	r (Domin)
Ammophila arenaria	Marram gr	ass	9		
Eryngium maritimum	Sea holly		3		

Derrynane House		Site & Quadrat Numb	per: 13	5a DNH-Q9
Quadrat Description Machair habitat, with a mown strip Quadrat Comments	for visitors to	walk. Grazed by cattle to	o maintain h	abitat type.
None				
Habitat Type				
CD6 Machair				
Quadrat Type				
Core Movement Area				
Quadrat Type Comment				
None				
Quadrat Number			DN	H-Q9
X Coordinate		452614		
Y Coordinate		558588		
Survey Date		26 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Soil with sand		
Stability		Moderate		
Substrate Depth (cm)				
Slope Degrees		4		
Aspect		Ν		
Water Table Depth (cm)	Belov	w the surface		
Comments on Hydrology	Sligh	t slope towards dune slad	k habitat	
Quadrat Management	Stric	ly managed for ecology a	and visitors	
Adjacent Landuse	Ame	nity use and recreation		
Grazing Comments	Cattl	e grazing managed specif	fically for the	e habitat
General Faunal Observations				
None				
Structured Quadrat Cover Valu				
Total Vegetation Cover	100	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	100	Bare Peat/Soil Cover	0	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	20-	Height Shrub Layer (cm) -	
	40			10
Height Tree Layer (m)	-	Height Herb Layer (cm)	20-	40
Species Latin Name		nglish Name		over (Domin)
Galium verum	Ladies Bed		6	
Anacamptis pyramidalis	Pyramidal (4	
Plantago lanceolata	Ribwort Pla		5	
Anthyllis vulneraria	Kidney Vet		6	
Festuca rubra	Red Fescue		6	

Derrynane House		Site & Quadrat Numl	ber:	135a DNH-Q10
Quadrat Description				
Heavily grazed exposed grassland are	ea.			
Quadrat Comments				
None				
Habitat Type				
GS3 Dry Humid Acid Grassland				
Quadrat Type				
Core Movement Area				
Quadrat Type Comment				
None				
Quadrat Number				DNH-Q10
X Coordinate		453295		
Y Coordinate		558586		
Survey Date		26 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Soil		
Stability		Firm Compact		
Substrate Depth (cm)				
Slope Degrees		0		
Aspect		-		
Water Table Depth (cm)	Belo	w the surface		
Comments on Hydrology	Non	e		
Quadrat Management	Stric	tly managed for ecology a	and visite	ors
Adjacent Landuse	Ame	enity use and recreation		
Grazing Comments	Hea	vily grazed		
General Faunal Observations				
None Structured Quadrat Cover Values	5 (%)			
Total Vegetation Cover	75	Litter Cover		0
Tree Cover	0	Algae Cover		0
Shrub Cover	0	Rock Cover		0
Herb Grass Cover	75	Bare Peat/Soil Cover		25
Bryophyte Cover	0	Open Water Cover		0
Height of Vegetation (cm)	<5	Height Shrub Layer (cm	ו)	5
Height Tree Layer (m)	-	Height Herb Layer (cm)		<5
Species Latin Name	Species E	inglish Name	Specie	es cover (Domin)
	Sheeps fee		8	
	Red Fescu		4	

Derrynane House		Site & Quadrat Numbe	er: 135a DNH-Q11
Quadrat Description Marsh area on the far side of the m	nanaged fence	e and hard surface track.	
Quadrat Comments	lanagea rene		
Not accessed by visitors			
Habitat Type			
WN6 Wet Willow Alder Ash Woodla	nd		
Quadrat Type			
Core Movement Area			
Quadrat Type Comment			
Adjacent to hard surfaced track			
Quadrat Number			DNH-Q11
X Coordinate		453043	
Y Coordinate		558785	
Survey Date		26 th July 2017	
Surveyor		Andrew Torsney	
Substrate		Soil	
Stability		Marshy	
Substrate Depth (cm)			
Slope Degrees		0	
Aspect		-	
Water Table Depth (cm)		ally flushed	
Comments on Hydrology	Wet	marshy conditions	
Quadrat Management		or access restricted	
Adjacent Landuse		nity and recreation	
Grazing Comments	None		
General Faunal Observations			
Lepidopteran species are known to		. Peacock butterfly was pre	esent.
Structured Quadrat Cover Valu		Litter Cover	â
Total Vegetation Cover Tree Cover	100	Litter Cover Algae Cover	0 0
Shrub Cover	100	Rock Cover	0
Herb Grass Cover	30	Bare Peat/Soil Cover	15
Bryophyte Cover	0	Open Water Cover	0
	0		v
Height of Vegetation (cm)	~	Height Shrub Layer (cm)	200-300
Height Tree Layer (m)	>5	Height Herb Layer (cm)	30-50
		- <i>, , , ,</i>	
Species Latin Name			Species cover (Domin)
Galium palustre	Marsh beds		
Comarum palustre	Marsh cinquefoil 4		
Phragmites australis	Common reed 4		
Iris pseudacorus	Yellow flag		
Salix spp.	Willow 2		
		-	
Alnus glutinosa Agrostis stolonifera	Alder Creeping be	2 ent 5	

Derrynane House

Site & Quadrat Number: 135a DNH-Q12

Quadrat Description

Mixed broadleaf woodland with limited under story vegetation, with some ornamental plants interspersed

Quadrat Comments

Quadrat wasn't sufficient to capture the habitat type info due to scarcity of vegetation at a micro level. So, it was assigned by observation.

Habitat Type

WD1 Mixed Broadleaf Woodland Quadrat Type Core Movement Area Quadrat Type Comment

None

Quadrat Number		DNH-Q12	
X Coordinate	452938		
Y Coordinate	558984		
Survey Date	26 th July 2017		
Surveyor	Andrew Torsney		
Substrate	Soil		
Stability	Firm		
Substrate Depth (cm)			
Slope Degrees	0		
Aspect	-		
Water Table Depth (cm)	Below the Surface		
Comments on Hydrology	None		
Quadrat Management	, 2	Strictly managed for ecology and visitors	
Adjacent Landuse	1	Amenity use and recreation	
Grazing Comments	None		
General Faunal Observations			
None			
Structured Quadrat Cover Valu			
Total Vegetation Cover	100 Litter Cover	50	
Tree Cover	100 Algae Cover	0	
Shrub Cover	0 Rock Cover	0	
Herb Grass Cover	5 Bare Peat/Soil Co		
Bryophyte Cover	0 Open Water Cove	er O	
Height of Vegetation (cm)	~ Height Shrub Lay		
Height Tree Layer (m)	>5 Height Herb Laye	er (cm) 10	
Species Latin Name	Species English Name	Species cover (Domin)	
Bromus racemosus	Smooth Brome	3	
Quercus petraea	Sessile Oak	2	

Derrynane House		Site & Quadrat Numb	er:	135a DNH-Q13
Quadrat Description Remote quite area of the park. Ma Quadrat Comments None	anaged path.			
Habitat Type				
WN4 Wet Peduncular Oak Woodla Quadrat Type	nd			
Core movement Area				
Quadrat Type Comment None				
Quadrat Number				DNH-Q13
X Coordinate		452781		
Y Coordinate		558794		
Survey Date		26 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Soil		
Stability		Firm		
Substrate Depth (cm)				
Slope Degrees		0		
Aspect		-		
Water Table Depth (cm)	Belov	w the Surface		
Comments on Hydrology	None	2		
Quadrat Management	Stric	tly managed for ecology a	nd visit	ors
Adjacent Landuse	Ame	nity use and recreation		
Grazing Comments	None	2		
General Faunal Observations None				
Structured Quadrat Cover Val	ues (%)			
Total Vegetation Cover	100	Litter Cover		100
Tree Cover		Algae Cover		0
Shrub Cover Herb Grass Cover	100 10	Rock Cover Bare Peat/Soil Cover		0 0
Bryophyte Cover	0	Open Water Cover		0
	U			~
Height of Vegetation (cm)	~	Height Shrub Layer (cm)	200
Height Tree Layer (m)	>5	Height Herb Layer (cm)		20
Species Latin Name	Species E	nglish Name	Specie	es cover (Domin)
Quercus robur	Peduncular		7	
Crataegus monogyna	Hawthorn		7	
Corylus avellana	Hazel	16	5	
Chrysosplenium oppositifolium	Golden Sax	5	4	
Circaea lutetiana	Enchanters	Nightshade	2	

Derrynane House		Site & Quadrat Numb	er:	135a DNH-Q14
Quadrat Description				
Exposed rocky shore, recreationally	v explored wl	hen the tide is out, as obse	erved in	the data.
Quadrat Comments				
None				
Habitat Type				
LR1 Exposed Rocky Shores				
Quadrat Type				
Secondary Movement Zones				
Quadrat Type Comment				
None				
Quadrat Number				DNH-Q14
X Coordinate		452880		
Y Coordinate		558487		
Survey Date		26 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Rock		
Stability		Solid		
Substrate Depth (cm)				
Slope Degrees		15		
Aspect		E		
Water Table Depth (cm)	Tida	1		
Comments on Hydrology	Non	e		
Quadrat Management	Bea	ch management, lifeguard	patrol	
Adjacent Landuse	Ame	enity and recreation		
Grazing Comments	Non	e		
General Faunal Observations None				
Structured Quadrat Cover Valu	es (%)			
Total Vegetation Cover	0	Litter Cover		0
Tree Cover	0	Algae Cover		0
Shrub Cover	0	Rock Cover		0
Herb Grass Cover	0	Bare Peat/Soil Cover		100
Bryophyte Cover	0	Open Water Cover		0
Height of Vegetation (cm)	-	Height Shrub Layer (cm))	-
Height Tree Layer (m)	-	Height Herb Layer (cm)		-
Species Latin Name	Species E	nglish Name	Specie	es cover (Domin)

Ballyheigue Beach

Site & Quadrat Number: 117 BHB-Q1

Quadrat Description

Dune system along the beach with moderate desire lines and some evidence of trampling. Large number of pyramidal orchid stands (>100).

Quadrat Comments None Habitat Type CD3 Fixed Dunes Quadrat Type Tertiary Movement Zone Quadrat Type Comment

Quadrat Number			BHB-Q1
X Coordinate		475233	
Y Coordinate		627617	
Survey Date		25 th July 2017	
Surveyor		Andrew Torsney	
Substrate		Sand	
Stability		Soft	
Substrate Depth (cm)			
Slope Degrees		5	
Aspect		W	
Water Table Depth (cm)	Belov	v the surface	
Comments on Hydrology	None		
Quadrat Management		n management, lifeguard	patrol
Adjacent Landuse		nity and recreation	
Grazing Comments	None		
General Faunal Observations None			
Structured Quadrat Cover Valu	ies (%)		
Total Vegetation Cover	100	Litter Cover	0
Tree Cover	0	Algae Cover	0
Shrub Cover	0	Rock Cover	0
Herb Grass Cover	100	Bare Peat/Soil Cover	0
Bryophyte Cover	0	Open Water Cover	0
Height of Vegetation (cm)	50- 100	Height Shrub Layer (cm)) 0
Height Tree Layer (m)	0	Height Herb Layer (cm)	50-100
Species Latin Name	Species Er	nglish Name	Species cover (Domin)
Festuca rubra	Red fescue		9
Hypochaeris radicata	Cats ear		5
Arrhenatherum elatius	Oat grass		2
Agrostis spp.	Bent Grass		4

Ballyheigue Beach

Site & Quadrat Number: 117 BHB-Q2

Quadrat Description

Dune system along the beach with moderate desire lines and some evidence of trampling. Large number of pyramidal orchid stands (>100).

Quadrat Comments None Habitat Type CD3 Fixed Dunes Quadrat Type Tertiary Movement Zone Quadrat Type Comment

Quadrat Number			BH	B-Q2
X Coordinate		475195		
Y Coordinate		627716		
Survey Date		25 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Sand		
Stability		Soft		
Substrate Depth (cm)				
Slope Degrees		10		
Aspect		W		
Water Table Depth (cm)	Belov	v the surface		
Comments on Hydrology	None			
Quadrat Management		h management, lifeguard	patrol	
Adjacent Landuse		nity and recreation		
Grazing Comments	None			
General Faunal Observations None				
Structured Quadrat Cover Valu	les (%)			
Total Vegetation Cover	100	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	100	Bare Peat/Soil Cover	0	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	50-	Height Shrub Layer (cm)) 0	
	100			100
Height Tree Layer (m)	0	Height Herb Layer (cm)	50-	-100
Species Latin Name				over (Domin)
Festuca rubra	Red fescue		9	
Hypochaeris radicata	Cats ear		5	
Arrhenatherum elatius	Oat grass		2	
Agrostis spp.	Sent Grass		4	

Ballyheigue Beach

Site & Quadrat Number: 117 BHB-Q3

Quadrat Description

Dune system along the beach with moderate desire lines and some evidence of trampling. Large number of pyramidal orchid stands (>100).

Quadrat Comments None Habitat Type CD3 Fixed Dunes Quadrat Type Tertiary Movement Zone Quadrat Type Comment

Quadrat Number			BHB-Q3
X Coordinate		475229	
Y Coordinate		627676	
Survey Date		25 th July 2017	
Surveyor		Andrew Torsney	
Substrate		Sand	
Stability		Soft	
Substrate Depth (cm)			
Slope Degrees		5	
Aspect		E	
Water Table Depth (cm)	Below	the surface	
Comments on Hydrology	None		
Quadrat Management	Beach	n management, lifeguard	patrol
Adjacent Landuse	Amer	ity and recreation	
Grazing Comments	None		
General Faunal Observations None			
Structured Quadrat Cover Valu	es (%)		
Total Vegetation Cover	100	Litter Cover	0
Tree Cover	0	Algae Cover	0
Shrub Cover	0	Rock Cover	0
Herb Grass Cover	100	Bare Peat/Soil Cover	0
Bryophyte Cover	0	Open Water Cover	0
Height of Vegetation (cm)	50-	Height Shrub Layer (cm) 0
Height Tree Layer (m)	100 0	Height Herb Layer (cm)	50-100
Species Latin Name	Species Er	glish Name	Species cover (Domin)
Festuca Rubra	Red fescue		8
Lotus corniculatus	Birds foot tr	efoil	7
Filipendula ulmaria	Meadow Sw	eet	1

Ballyheigue Beach

Site & Quadrat Number: 117 BHB-Q4

Quadrat Description

Dune system along the beach with moderate desire lines and some evidence of trampling. Large number of pyramidal orchid stands (>100).

Quadrat Comments None Habitat Type CD3 Fixed Dunes Quadrat Type Tertiary Movement Zone Quadrat Type Comment

Quadrat Number			BHB-Q4
X Coordinate	4751	37	
Y Coordinate	6278		
Survey Date	25 th .	luly 2017	
Surveyor		ew Torsney	
Substrate	Sand		
Stability	Soft		
Substrate Depth (cm)			
Slope Degrees	5		
Aspect	W		
Water Table Depth (cm)	Below the s	urface	
Comments on Hydrology	None		
Quadrat Management		agement, lifeguard pat	rol
Adjacent Landuse		d recreation	
Grazing Comments	None		
General Faunal Observations None			
Structured Quadrat Cover Valu	es (%)		
Total Vegetation Cover	100 Litter	Cover	0
Tree Cover	0 Algae	e Cover	0
Shrub Cover	0 Rock	Cover	0
Herb Grass Cover	100 Bare	Peat/Soil Cover	0
Bryophyte Cover	0 Oper	Water Cover	0
Height of Vegetation (cm)	50- Heigl 100	nt Shrub Layer (cm)	0
Height Tree Layer (m)		nt Herb Layer (cm)	50-100
Species Latin Name	Species English	Name Sp	ecies cover (Domin)
Festuca spp.	Festuca Spp.	5	
Agrostis spp.	Bent	7	
Festuca rubra	Red fescue	6	

Ballyheigue Beach

Site & Quadrat Number: 117 BHB-Q5

Quadrat Description

Dune system along the beach with moderate desire lines and some evidence of trampling. Large number of pyramidal orchid stands (>100).

Quadrat Comments None Habitat Type CD3 Fixed Dunes Quadrat Type Tertiary Movement Zone Quadrat Type Comment

Quadrat Number		BHB-Q5
X Coordinate	475295	
Y Coordinate	627503	
Survey Date	25 th July 2017	
Surveyor	Andrew Torsney	
Substrate	Sand	
Stability	Soft	
Substrate Depth (cm)		
Slope Degrees	10	
Aspect	W	
Water Table Depth (cm)	Below the surface	
Comments on Hydrology	None	
Quadrat Management	Beach management, lifeguard p	atrol
Adjacent Landuse	Amenity and recreation	
Grazing Comments	None	
General Faunal Observations None		
Structured Quadrat Cover Valu	ıes (%)	
Total Vegetation Cover	100 Litter Cover	0
Tree Cover	0 Algae Cover	0
Shrub Cover	0 Rock Cover	0
Herb Grass Cover	100 Bare Peat/Soil Cover	0
Bryophyte Cover	0 Open Water Cover	0
Height of Vegetation (cm)	50- Height Shrub Layer (cm) 100	0
Height Tree Layer (m)	0 Height Herb Layer (cm)	50-100
Species Latin Name	Species English Name S	pecies cover (Domin)
Festuca Spp.	Festuca Spp. 4	
Festuca rubra	Red fescue 9	

Ballyheigue Beach

Site & Quadrat Number: 117 BHB-Q6

Quadrat Description

Dune system along the beach with moderate desire lines and some evidence of trampling. Large number of pyramidal orchid stands (>100).

Quadrat Comments None Habitat Type CD3 Fixed Dunes Quadrat Type Tertiary Movement Zone Quadrat Type Comment

Quadrat Number		BHB-Q6
X Coordinate	475222	
Y Coordinate	627557	
Survey Date	25 th July 2017	
Surveyor	Andrew Torsney	
Substrate	Sand	
Stability	Soft	
Substrate Depth (cm)		
Slope Degrees	10	
Aspect	S	
Water Table Depth (cm)	Below the surface	
Comments on Hydrology	None	
Quadrat Management	Beach management, lifeguard	patrol
Adjacent Landuse	Amenity and recreation	
Grazing Comments	None	
General Faunal Observations None		
Structured Quadrat Cover Valu	es (%)	
Total Vegetation Cover	100 Litter Cover	0
Tree Cover	0 Algae Cover	0
Shrub Cover	0 Rock Cover	0
Herb Grass Cover	100 Bare Peat/Soil Cover	0
Bryophyte Cover	0 Open Water Cover	0
Height of Vegetation (cm)	50- Height Shrub Layer (cm 100) 0
Height Tree Layer (m)	0 Height Herb Layer (cm)	50-100
Species Latin Name	Species English Name	Species cover (Domin)
Festuca Rubra		8
Lotus corniculatus	Birds foot trefoil	7
Filipendula ulmaria	Meadow Sweet	1
Anthyllis vulneraria	Kidney Vetch	6

Ballyheigue Beach		Site & Quadrat Numb	er: 11	7 BHB-Q7
Quadrat Description				
Sandy beach, no literal zone evider	nt			
Quadrat Comments				
None				
Habitat Type				
LS2 Sand Shores				
Quadrat Type				
Core Movement Zones				
Quadrat Type Comment None				
Quadrat Number			BH	B-Q7
X Coordinate		475038		
Y Coordinate		627797		
Survey Date		25 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Sand		
Stability		Soft		
Substrate Depth (cm)				
Slope Degrees		4		
Aspect		S		
Water Table Depth (cm)	Belo	w the surface		
Comments on Hydrology	Non	е		
Quadrat Management		ch management, lifeguard	patrol	
Adjacent Landuse		enity and recreation		
Grazing Comments	Non	e		
General Faunal Observations None				
Structured Quadrat Cover Valu	es (%)			
Total Vegetation Cover	0	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	0	Bare Peat/Soil Cover	100)
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	-	Height Shrub Layer (cm)) -	
Height Tree Layer (m)	-	Height Herb Layer (cm)	-	
Species Latin Name	Species E	nglish Name	Species c	over (Domin)

Ballyheigue Beach		Site & Quadrat Numb	er: 1	17 BHB-Q8
Quadrat Description				
Sandy beach, no literal zone evider	nt			
Quadrat Comments				
None				
Habitat Type				
LS2 Sand Shores				
Quadrat Type				
Core Movement Zones				
Quadrat Type Comment None				
Quadrat Number			BI	HB-Q8
X Coordinate		475106		
Y Coordinate		627649		
Survey Date		25 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Sand		
Stability		Soft		
Substrate Depth (cm)				
Slope Degrees		4		
Aspect		S		
Water Table Depth (cm)	Belo	w the surface		
Comments on Hydrology	Non	e		
Quadrat Management		ch management, lifeguard	patrol	
Adjacent Landuse		enity and recreation		
Grazing Comments	Non	e		
General Faunal Observations None				
Structured Quadrat Cover Valu	es (%)			
Total Vegetation Cover	0	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	0	Bare Peat/Soil Cover	1(00
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	-	Height Shrub Layer (cm)) -	
Height Tree Layer (m)	-	Height Herb Layer (cm)	-	
Species Latin Name	Species E	inglish Name	Species	cover (Domin)

Carrigafoyle Castle	Site & Quadrat Number:	114 CFC-Q1
Quadrat Description		
	the roadside right up to the wall. Lower	salt marsh veins rur
through the upper salt marsh.	5 1	
Quadrat Comments		
None		
Habitat Type		

Habitat Type CM2 Upper Salt Marsh Quadrat Type Tertiary Movement Zone Quadrat Type Comment None

Quadrat Number			CFC-Q1
X Coordinate		498615	
Y Coordinate		647648	
Survey Date		3 rd July 2017	
Surveyor		Andrew Torsney	
Substrate		Mud (sandy)	
Stability		Soft	
Substrate Depth (cm)			
Slope Degrees		0	
Aspect		-	
Water Table Depth (cm)	Tidal		
Comments on Hydrology	None		
Quadrat Management	None		
Adjacent Landuse	None		
Grazing Comments	None		
General Faunal Observations			
Swallows nesting and feeding in I			
Structured Quadrat Cover Val	• •		-
Total Vegetation Cover	100	Litter Cover	0
Tree Cover	0	Algae Cover	0
Shrub Cover	0	Rock Cover	0
Herb Grass Cover	100	Bare Peat/Soil Cover	0
Bryophyte Cover	0	Open Water Cover	0
Height of Vegetation (cm)	40	Height Shrub Layer (cm)	
Height Tree Layer (m)	-	Height Herb Layer (cm)	40
Species Latin Name			Species cover (Domin)
Spartina anglica	Common Co	rdgrass	10

Carrigafoyle Castle	Site & Quadrat Number:	114 CFC-Q2

Species Latin Manie	Species El	Ignon Name	Sheries coner (nounu)
Species Latin Name	Species Fr	iglish Name	Species cover (Domin)
Height Tree Layer (m)	-	Height Herb Layer (cm)	40
Height of Vegetation (cm)	40	Height Shrub Layer (cm)	
· · ·	-		
Bryophyte Cover	0	Open Water Cover	0
Herb Grass Cover	100	Bare Peat/Soil Cover	0
Shrub Cover	0	Rock Cover	0
Tree Cover	0	Algae Cover	0
Total Vegetation Cover	100	Litter Cover	0
Structured Quadrat Cover Value			
Swallows nesting and feeding in larg	e numbers		
General Faunal Observations	None		
Grazing Comments	None		
Adjacent Landuse	None		
Quadrat Management	None		
Comments on Hydrology	None		
Water Table Depth (cm)	Tidal		
Aspect		-	
Slope Degrees		0	
Substrate Depth (cm)			
Stability		Soft	
Substrate		Mud (sandy)	
-		,	
Surveyor		Andrew Torsney	
Survey Date		3 rd July 2017	
Y Coordinate		647628	
X Coordinate		498639	
			0. 0 Yr
Quadrat Number			CFC-Q2
None			
Quadrat Type Comment			
Tertiary Movement Zone			
Quadrat Type			
CM2 Upper Salt Marsh			
Habitat Type			
None			
-			
Quadrat Commonte			
through the upper salt marsh. Quadrat Comments			

Species Latin Name	Species English Name	Species cover (Domin)
Spartina anglica	Common Cordgrass	10

Carrigafoyle Castle	Site & Quadrat Number:	114 CFC-Q3

Quadrat Description			
Salt marsh surrounding the site al	ong the roadsi	de right up to the wall. Lo	ower salt marsh veins run
through the upper salt marsh.			
Quadrat Comments			
None			
Habitat Type			
CM2 Upper Salt Marsh			
Quadrat Type			
Tertiary Movement Zone			
Quadrat Type Comment			
None			
Quadrat Number			CFC-Q3
X Coordinate		498669	
Y Coordinate		647559	
Survey Date		3 rd July 2017	
Surveyor		Andrew Torsney	
Surveyor		Andrew Torsney	
Substrate		Mud (sandy)	
Stability		Soft	
Substrate Depth (cm)			
Slope Degrees		0	
Aspect		-	
Water Table Depth (cm)	Tidal		
Comments on Hydrology	None		
Quadrat Management	None		
Adjacent Landuse	None		
Grazing Comments	None		
General Faunal Observations			
Swallows nesting and feeding in la			
Structured Quadrat Cover Valu			
Total Vegetation Cover	90	Litter Cover	0
Tree Cover	0	Algae Cover	0
Shrub Cover	0	Rock Cover	0
Herb Grass Cover	90	Bare Peat/Soil Cover	10
Bryophyte Cover	0	Open Water Cover	0
Height of Vegetation (cm)	40	Height Shrub Layer (cm)) -
Height Tree Layer (m)	-	Height Herb Layer (cm)	40
Species Latin Name	Species Er	nglish Name	Species cover (Domin)
Spartina anglica	Common Co		9
	Can Dealist	-	4

Sea Rocket

1

Cakile maritima

Carrigafoyle Castle		Site & Quadrat Numb	er: 114	CFC-Q4
Quadrat Description				
Salt marsh surrounding the site alc	ng the roadsi	de right up to the wall. Le	ower salt ma	rsh veins run
through the upper salt marsh.				
Quadrat Comments				
Edge of the visitor movement zone	with evidence	e of trampling contained i	n a small are	a (<5m²)
Habitat Type				
CM2 Upper Salt Marsh				
Quadrat Type				
Tertiary Movement Zone Quadrat Type Comment				
None				
Quadrat Number			CFC-	Q4
X Coordinate		498709		
Y Coordinate		647543		
Survey Date		3 rd July 2017		
Surveyor		Andrew Torsney		
Substrate		Mud (sandy)		
Stability		Soft		
Substrate Depth (cm)		_		
Slope Degrees		0		
Aspect		-		
Water Table Depth (cm)	Tidal			
Comments on Hydrology	None			
Quadrat Management	None			
Adjacent Landuse	None			
Grazing Comments	None			
General Faunal Observations				
Swallows nesting and feeding in lar Structured Quadrat Cover Valu				
Total Vegetation Cover		Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	ů 0	Rock Cover	Ŭ	
Herb Grass Cover	60	Bare Peat/Soil Cover	40	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	40	Height Shrub Layer (cm)) -	
Height Tree Layer (m)	-	Height Herb Layer (cm)	40	
Species Latin Name			Species cov	ver (Domin)
Spartina anglica	Common Co	2	8	
Cakile maritima	Sea rocket		5	

Carrigafoyle Castle		Site & Quadrat Numb	er: 114 CFC-Q5
Quadrat Description			
Salt marsh surrounding the site al	ong the roadsi	de right up to the wall. Lo	ower salt marsh veins rur
through the upper salt marsh.			
Quadrat Comments			
None			
Habitat Type			
CM2 Upper Salt Marsh			
Quadrat Type			
Tertiary Movement Zone			
Quadrat Type Comment None			
NOTE			
Quadrat Number			CFC-Q5
X Coordinate		498708	
Y Coordinate		647487	
Survey Date		3 rd July 2017	
Surveyor		Andrew Torsney	
•		, , , , , , , , , , , , , , , , , , ,	
Substrate		Mud (sandy)	
Stability		Soft	
Substrate Depth (cm)			
Slope Degrees		0	
Aspect		-	
Water Table Depth (cm)	Tidal		
Comments on Hydrology	None		
Quadrat Management	None		
Adjacent Landuse	None		
Grazing Comments	None		
General Faunal Observations			
Swallows nesting and feeding in la			
Structured Quadrat Cover Val			
Total Vegetation Cover		Litter Cover	0
Tree Cover	0	Algae Cover	0
Shrub Cover	0	Rock Cover	0
Herb Grass Cover	100	Bare Peat/Soil Cover	0
Bryophyte Cover	0	Open Water Cover	0
Height of Vegetation (cm)	40	Height Shrub Layer (cm)	
Height Tree Layer (m)	-	Height Herb Layer (cm)	40
Species Latin Name	Species Er	nglish Name	Species cover (Domin)
Spartina anglica	Common Co		10

Carrigafoyle Castle	Site & Quadrat Number:	114 CFC-Q6
Quadrat Description		
Salt marsh surrounding the site alon	g the roadside right up to the wall. Lower	salt marsh veins run
through the upper salt marsh.		
Quadrat Commonte		

Quadrat Comments None **Habitat Type** CM2 Upper Salt Marsh **Quadrat Type** Tertiary Movement Zone **Quadrat Type Comment** None

Quadrat Number			CFC-Q6
X Coordinate		498728	
Y Coordinate		647457	
Survey Date		3 rd July 2017	
Surveyor		Andrew Torsney	
Substrate		Mud (sandy)	
Stability		Soft	
Substrate Depth (cm)			
Slope Degrees		0	
Aspect		-	
Water Table Depth (cm)	Tidal		
Comments on Hydrology	None		
Quadrat Management	None		
Adjacent Landuse	None		
Grazing Comments	None		
General Faunal Observations			
Swallows nesting and feeding in large			
Structured Quadrat Cover Value			
Total Vegetation Cover	100	Litter Cover	0
Tree Cover	0	Algae Cover	0
Shrub Cover	0	Rock Cover	0
Herb Grass Cover	100	Bare Peat/Soil Cover	0
Bryophyte Cover	0	Open Water Cover	0
Height of Vegetation (cm)	40	Height Shrub Layer (cm)	
Height Tree Layer (m)	-	Height Herb Layer (cm)	40
Species Latin Name	Species Er	iglish Name	Species cover (Domin)
Spartina anglica	Common Co	ordgrass	10

Carrigafoyle Castle		Site & Quadrat Numb	er: 114 CFC-Q7
Quadrat Description			
Mud Flat within the salt marsh			
Quadrat Comments			
None			
Habitat Type			
CM4 Mud Shores Quadrat Type			
Tertiary Movement Zone			
Quadrat Type Comment			
None			
Quadrat Number			CFC-Q7
X Coordinate		498700	
Y Coordinate		647513	
Survey Date		3 rd July 2017	
Surveyor		Andrew Torsney	
Substrate		Mud	
Stability		Soft	
Substrate Depth (cm)			
Slope Degrees		0	
Aspect		-	
Water Table Depth (cm)	Tidal		
Comments on Hydrology	None		
Quadrat Management	None		
Adjacent Landuse	None		
Grazing Comments	None		
General Faunal Observations			
Swallows nesting and feeding in larg			
Structured Quadrat Cover Value Total Vegetation Cover	• •	Litter Cover	0
Tree Cover	0 0	Algae Cover	0
Shrub Cover	0	Rock Cover	0
Herb Grass Cover	0	Bare Peat/Soil Cover	100
Bryophyte Cover	0	Open Water Cover	0
			-
Height of Vegetation (cm)	-	Height Shrub Layer (cm)) -
Height Tree Layer (m)	-	Height Herb Layer (cm)	-
Species Latin Name	Species En	glish Name	Species cover (Domin
-	-		-

Cappagh Pier		Site & Quadrat Numb	er: 110a CP-Q1
Quadrat Description			
Cobble beach			
Quadrat Comments			
None			
Habitat Type			
LS1 Shingle and Gravel Shores			
Quadrat Type			
Core Movement Zone			
Quadrat Type Comment None			
Quadrat Number			CP-Q1
X Coordinate		498441	
Y Coordinate		654176	
Survey Date		3 rd July 2017	
Surveyor		Andrew Torsney	
Substrate		Cobbles	
Stability		Loose	
Substrate Depth (cm)			
Slope Degrees		0	
Aspect		-	
Water Table Depth (cm)	Tidal		
Comments on Hydrology	None	2	
Quadrat Management		h cleaning	
Adjacent Landuse	-	n Centre	
Grazing Comments	None	5	
General Faunal Observations None			
Structured Quadrat Cover Valu	es (%)		
Total Vegetation Cover	0	Litter Cover	0
Tree Cover	0	Algae Cover	0
Shrub Cover	0	Rock Cover	0
Herb Grass Cover	0	Bare Peat/Soil Cover	100
Bryophyte Cover	0	Open Water Cover	0
Height of Vegetation (cm)	-	Height Shrub Layer (cm)) -
Height Tree Layer (m)	-	Height Herb Layer (cm)	-
Species Latin Name	Species E	nglish Name	Species cover (Domin

Cappagh Pier		Site & Quadrat Numb	er: 110a CP-Q2
Quadrat Description			
Cobble beach			
Quadrat Comments			
None			
Habitat Type			
LS1 Shingle and Gravel Shores			
Quadrat Type			
Core Movement Zone			
Quadrat Type Comment None			
Quadrat Number			CP-Q2
X Coordinate		498465	
Y Coordinate		654140	
Survey Date		3 rd July 2017	
Surveyor		Andrew Torsney	
Substrate		Cobbles	
Stability		Loose	
Substrate Depth (cm)			
Slope Degrees		0	
Aspect		-	
Water Table Depth (cm)	Tidal		
Comments on Hydrology	None	2	
Quadrat Management	Beac	h cleaning	
Adjacent Landuse	Towi	n Centre	
Grazing Comments	None	2	
General Faunal Observations None			
Structured Quadrat Cover Val	ues (%)		
Total Vegetation Cover	0	Litter Cover	0
Tree Cover	0	Algae Cover	0
Shrub Cover	0	Rock Cover	0
Herb Grass Cover	0	Bare Peat/Soil Cover	100
Bryophyte Cover	0	Open Water Cover	0
Height of Vegetation (cm)	-	Height Shrub Layer (cm)) -
Height Tree Layer (m)	-	Height Herb Layer (cm)	-
Species Latin Name	Species E	nglish Name	Species cover (Domin

Cappagh Pier		Site & Quadrat Numb	er: 110a C	P-Q3
Quadrat Description				
Cobble beach				
Quadrat Comments				
None				
Habitat Type				
LS1 Shingle and Gravel Shores				
Quadrat Type				
Core Movement Zone				
Quadrat Type Comment None				
Quadrat Number			CP-Q3	
X Coordinate		498527		
Y Coordinate		654092		
Survey Date		3 rd July 2017		
Surveyor		Andrew Torsney		
Substrate		Cobbles		
Stability		Loose		
Substrate Depth (cm)				
Slope Degrees		0		
Aspect		-		
Water Table Depth (cm)	Tidal			
Comments on Hydrology	None			
Quadrat Management		n cleaning		
Adjacent Landuse		Centre		
Grazing Comments	None			
General Faunal Observations				
None	(- ()			
Structured Quadrat Cover Valu			0	
Total Vegetation Cover	0	Litter Cover	0	
Tree Cover	0	Algae Cover	0 0	
Shrub Cover Herb Grass Cover	0	Rock Cover Bare Peat/Soil Cover	0 100	
Bryophyte Cover	0 0	Open Water Cover	0	
	U	Open water Cover	U	
Height of Vegetation (cm)	-	Height Shrub Layer (cm)) -	
Height Tree Layer (m)	-	Height Herb Layer (cm)	-	
Species Latin Name	Species Er	nglish Name	Species cover	(Domin)
Matricaria discoidea	Pineapple V	/eed	2	

Ballyvaughan Pier		Site & Quadrat Numb	oer: 94 BVP-Q1
Quadrat Description			
Salt marsh which has a mosaic of a	amenity grass	land, used for grazing doi	nkeys.
Quadrat Comments			
None			
Habitat Type			
CM2 Upper Salt Marsh			
Quadrat Type			
Tertiary Movement Zone			
Quadrat Type Comment			
Adjacent to main visitor area, over	a small wall		
Quadrat Number			BVP-Q1
X Coordinate		522887	
Y Coordinate		708045	
Survey Date		2 nd July 2017	
Surveyor		Andrew Torsney	
Substrate		Mud/Soil	
Stability		Moderate	
Substrate Depth (cm)			
Slope Degrees		0	
Aspect		-	
Water Table Depth (cm)	Abov	e tidal zone	
Comments on Hydrology	None	:	
Quadrat Management	Agric	ulture	
Adjacent Landuse	None		
Grazing Comments	Grazi	ng donkeys	
General Faunal Observations			
None Structured Quadrat Cover Valu	es (%)		
Total Vegetation Cover	90	Litter Cover	0
Tree Cover	0	Algae Cover	0
Shrub Cover	0 0	Rock Cover	Õ
Herb Grass Cover	90	Bare Peat/Soil Cover	10
Bryophyte Cover	0	Open Water Cover	0
Height of Vegetation (cm)	<5	Height Shrub Layer (cm) -
Height Tree Layer (m)	-	Height Herb Layer (cm)	
Species Latin Name	Species E	nglish Name	Species cover (Domin)
Agrostis stolonifera	Creeping Be		6
Poa anua	Poa		6
Cakile maritima	Sea Rocket		3

Ballyvaughan Pier	Site & Quadrat Nu	umber: 94 BVP-Q2
Quadrat Description		
Salt marsh which has a mosaic of	amenity grassland, used for grazing	J donkeys.
Quadrat Comments		
None		
Habitat Type		
CM2 Upper Salt Marsh		
Quadrat Type		
Tertiary Movement Zone		
Quadrat Type Comment		
Adjacent to main visitor area, ove	r a small wall	
Quadrat Number		BVP-Q2
X Coordinate	522869	
Y Coordinate	708085	
Survey Date	2 nd July 2017	
Surveyor	Andrew Torsney	
Substrate	Mud/Soil	
Stability	Moderate	
Substrate Depth (cm)		
Slope Degrees	0	
Aspect	-	
Water Table Depth (cm)	Above tidal zone	
Comments on Hydrology	None	
Quadrat Management	Agriculture	
Adjacent Landuse	None	
Grazing Comments	Grazing donkeys	
General Faunal Observations		
None Structured Quadrat Cover Val	uos (%)	
Structured Quadrat Cover Val Total Vegetation Cover	100 Litter Cover	0
Tree Cover	0 Algae Cover	0
Shrub Cover	0 Rock Cover	0
Herb Grass Cover	100 Bare Peat/Soil Cover	
Bryophyte Cover	0 Open Water Cover	0
		U
Height of Vegetation (cm)	<5 Height Shrub Layer	(cm) -
Height Tree Layer (m)	- Height Herb Layer (cm) <5
Species Latin Name	Species English Name	Species cover (Domin)
Agrostis stolonifera	Creeping Bent	6
Poa anua	Poa	6
Cakile maritima	Sea Rocket	3

Ballyvaughan Pier	Site	e & Quadrat Numbo	er: 94 BVP-Q3
Quadrat Description			
Salt marsh which has a mosaic of	amenity grassland,	used for grazing don	keys.
Quadrat Comments			
None			
Habitat Type			
CM2 Upper Salt Marsh Quadrat Type			
Tertiary Movement Zone			
Quadrat Type Comment			
Adjacent to main visitor area, ove	r a small wall		
Quadrat Number			BVP-Q3
X Coordinate	522	853	
Y Coordinate	708	134	
Survey Date	2 nd .	July 2017	
Surveyor	And	rew Torsney	
Substrate	Muc	l/Soil	
Stability		lerate	
Substrate Depth (cm)			
Slope Degrees	0		
Aspect	-		
Water Table Depth (cm)	Above tida	l zone	
Comments on Hydrology	None		
Quadrat Management	Agriculture	2	
Adjacent Landuse	None		
Grazing Comments	Grazing do	onkeys	
General Faunal Observations None			
Structured Quadrat Cover Val	ues (%)		
Total Vegetation Cover		er Cover	0
Tree Cover		e Cover	0
Shrub Cover		k Cover	0
Herb Grass Cover		e Peat/Soil Cover	10
Bryophyte Cover	0 Ope	n Water Cover	0
Height of Vegetation (cm)	<5 Heig	ht Shrub Layer (cm)	-
Height Tree Layer (m)	- Heig	ht Herb Layer (cm)	<5
Species Latin Name	Species Englis	h Name	Species cover (Domin)
Agrostis stolonifera	Creeping Bent	8	
Cakile maritima	Sea Rocket		

Ballyvaughan Pier		Site & Quadrat Numb	er: 94 BVP-Q4
Quadrat Description			
Rocky outcrop			
Quadrat Comments			
None			
Habitat Type			
LR1 Exposed Rocky Shores			
Quadrat Type			
Core Movement Zone			
Quadrat Type Comment None			
Quadrat Number			BVP-Q4
X Coordinate		522747	
Y Coordinate		708329	
Survey Date		25 th July 2017	
Surveyor		Andrew Torsney	
Substrate		Rock	
Stability		Solid	
Substrate Depth (cm)			
Slope Degrees		0	
Aspect		-	
Water Table Depth (cm)	Tidal		
Comments on Hydrology	None		
Quadrat Management		n cleaning	
Adjacent Landuse	Town	Centre	
Grazing Comments	None		
General Faunal Observations None			
Structured Quadrat Cover Valu	es (%)		
Total Vegetation Cover	0	Litter Cover	0
Tree Cover	0	Algae Cover	0
Shrub Cover	0	Rock Cover	100
Herb Grass Cover	0	Bare Peat/Soil Cover	0
Bryophyte Cover	0	Open Water Cover	0
Height of Vegetation (cm)	-	Height Shrub Layer (cm)) -
Height Tree Layer (m)	-	Height Herb Layer (cm)	-
Species Latin Name	Species Er	nglish Name	Species cover (Domin

Ballyvaughan Pier		Site & Quadrat Numb	er: 94 BVP-Q5
Quadrat Description			
Pier			
Quadrat Comments			
None			
Habitat Type CC1 Sea Walls, piers and jetties			
Quadrat Type			
Core Movement Zone			
Quadrat Type Comment			
None			
Quadrat Number			BVP-Q5
X Coordinate		522804	
Y Coordinate		708347	
Survey Date		25 th July 2017	
Surveyor		Andrew Torsney	
Substrate		Cobbles	
Stability		Loose	
Substrate Depth (cm)		_	
Slope Degrees		0	
Aspect		-	
Water Table Depth (cm)	Tida		
Comments on Hydrology	None	9	
Quadrat Management		ch cleaning	
Adjacent Landuse	-	n Centre	
Grazing Comments	None	e	
General Faunal Observations None			
Structured Quadrat Cover Valu	Jes (%)		
Total Vegetation Cover	0	Litter Cover	0
Tree Cover	0	Algae Cover	0
Shrub Cover	0	Rock Cover	100
Herb Grass Cover	0	Bare Peat/Soil Cover	0
Bryophyte Cover	0	Open Water Cover	0
Height of Vegetation (cm)	-	Height Shrub Layer (cm)) -
Height Tree Layer (m)	-	Height Herb Layer (cm)	-
Species Latin Name	Species E	nglish Name	Species cover (Domin)

Silver Strand		Site & Quadrat Numb	er: 89	SS-Q1
Quadrat Description				
Sandy beach, no literal zone evident				
Quadrat Comments				
None				
Habitat Type LS2 Sand Shores				
Quadrat Type				
Tertiary Movement Zones				
Quadrat Type Comment				
None				
Quadrat Number			SS-(Q1
X Coordinate		524778		
Y Coordinate		722897		
Survey Date		15 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Sand		
Stability		Soft		
Substrate Depth (cm)				
Slope Degrees		5		
Aspect		S		
Water Table Depth (cm)	Tida			
Comments on Hydrology	Moc	lerate literal zone		
Quadrat Management		ch management, lifeguard	patrol	
Adjacent Landuse		enity and recreation		
Grazing Comments	Non	e		
General Faunal Observations None				
Structured Quadrat Cover Value	s (%)			
Total Vegetation Cover	0	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	0	Bare Peat/Soil Cover	100	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	-	Height Shrub Layer (cm)) -	
Height Tree Layer (m)	-	Height Herb Layer (cm)	-	
Species Latin Name	Species I	English Name	Species co	ver (Domin

Silver Strand		Site & Quadrat Numb	er: 89	SS-Q2
Quadrat Description				
Sandy beach, no literal zone evident	t			
Quadrat Comments				
None				
Habitat Type				
LS2 Sand Shores				
Quadrat Type				
Core Movement Zones				
Quadrat Type Comment None				
Quadrat Number			SS-C	22
X Coordinate		534925		
Y Coordinate		722850		
Survey Date		15 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Sand		
Stability		Soft		
Substrate Depth (cm)				
Slope Degrees		5		
Aspect		S		
Water Table Depth (cm)	Tida	1		
Comments on Hydrology	Moc	lerate literal zone		
Quadrat Management	Bea	ch management, lifeguard	patrol	
Adjacent Landuse	Ame	enity and recreation		
Grazing Comments	Non	e		
General Faunal Observations None				
Structured Quadrat Cover Value	es (%)			
Total Vegetation Cover	0	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	0	Bare Peat/Soil Cover	100	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	-	Height Shrub Layer (cm)) -	
Height Tree Layer (m)	-	Height Herb Layer (cm)	-	
Species Latin Name	Species E	English Name	Species co	ver (Domin)

Silver Strand		Site & Quadrat Numb	per: 89	SS-Q3
Quadrat Description Grassy hill with limited access, visi movement and trampling.	tor access res	stricted through signs. Ho	owever, this is	s evidence of
Quadrat Comments				
None				
Habitat Type				
GS3 Dry-humid Acid Grassland				
Quadrat Type				
Secondary				
Quadrat Type Comment				
None				
Quadrat Number			SS-Q	3
X Coordinate		534925		
Y Coordinate		722850		
Survey Date		15 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Soil		
Stability		Very Firm		
Substrate Depth (cm)				
Slope Degrees		10		
Aspect		W		
Water Table Depth (cm)	Tidal			
Comments on Hydrology	Mode	erate literal zone		
Quadrat Management	Farm			
Adjacent Landuse		ing and amenity		
Grazing Comments	Grazi	ing by cattle		
General Faunal Observations None				
Structured Quadrat Cover Valu	es (%)			
Total Vegetation Cover	80	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	80	Bare Peat/Soil Cover	20	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	<2	Height Shrub Layer (cm	,	
Height Tree Layer (m)	-	Height Herb Layer (cm)	<2	
Species Latin Name		nglish Name		ver (Domin)
Festuca ovina	Sheeps feso	cue	6	
Agrostis spp.	Bent		6	

Omey Island	Site & Quadrat Numb	er: 78 Omey-Q1
Quadrat Description Trampled road/desire line is evider newly places	nt; however, rocks appear to limit vehic	ular access which may be
Quadrat Comments		
None		
Habitat Type		
GS3 Dry-humid Acid Grassland		
Quadrat Type		
Core Movement Area		
Quadrat Type Comment		
None		
Quadrat Number		Omey-Q1
X Coordinate	456527	
Y Coordinate	755184	
Survey Date	15 th July 2017	
Surveyor	Andrew Torsney	
Substrate	Soil	
Stability	Firm	
Substrate Depth (cm)		
Slope Degrees	5	
Aspect	W	
Water Table Depth (cm)	Below the surface	
Comments on Hydrology	None	
Quadrat Management	None	
Adjacent Landuse	Amenity use and recreation	
Grazing Comments	Rabbit grazing abundant	
General Faunal Observations		
Rabbits are rampant Structured Quadrat Cover Valu	ues (%)	
Total Vegetation Cover	80 Litter Cover	0
Tree Cover	0 Algae Cover	0
Shrub Cover	0 Rock Cover	0
Herb Grass Cover	80 Bare Peat/Soil Cover	20
Bryophyte Cover	0 Open Water Cover	0
Height of Vegetation (cm)	<10 Height Shrub Layer (cm)) -
Height Tree Layer (m)	- Height Herb Layer (cm)	<10
Species Latin Name		Species cover (Domin)
Festuca ovina		8
		0

Omey Island		Site & Quadrat Numb	er: 78	Omey-Q2
Quadrat Description				
Adjacent to the trampled road/desi	re line is evid	ent; however, rocks appea	ar to limit v	ehicular access
which may be newly places				
Quadrat Comments				
None				
Habitat Type				
GS3 Dry-humid Acid Grassland				
Quadrat Type				
Core Movement Area				
Quadrat Type Comment				
None				
Quadrat Number			On	ney-Q2
X Coordinate		456531		
Y Coordinate		755245		
Survey Date		15 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Soil		
Stability		Firm		
Substrate Depth (cm)				
Slope Degrees		5		
Aspect		W		
Water Table Depth (cm)	Belov	w the surface		
Comments on Hydrology	None	2		
Quadrat Management	None			
Adjacent Landuse		nity use and recreation		
Grazing Comments	Rabb	it grazing abundant		
General Faunal Observations				
Rabbits are rampant				
Structured Quadrat Cover Valu			_	
Total Vegetation Cover	85	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	85	Bare Peat/Soil Cover	15	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	<10	Height Shrub Layer (cm		
Height Tree Layer (m)	-	Height Herb Layer (cm)	<1	0
Species Latin Name	Species E	nglish Name	Species c (Domin)	over
Festuca ovina	Sheeps fes	cue	8	
Hypochaeris radicata	Cats ear		2	

Omey Island		Site & Quadrat Numb	er:	78 Omey-Q3	
Quadrat Description					
Large machair acid grassland mosa	ic, heavily gra	azed by rabbits.			
Quadrat Comments					
None					
Habitat Type					
CD6 Machair					
Quadrat Type					
Secondary Movement Area					
Quadrat Type Comment None					
None					
Quadrat Number			(Omey-Q3	
X Coordinate		456474			
Y Coordinate		755528			
Survey Date		15 th July 2017			
Surveyor		Andrew Torsney			
Substrate		Soil			
Stability		Firm			
Substrate Depth (cm)					
Slope Degrees		5			
Aspect		E			
Water Table Depth (cm)		v the surface			
Comments on Hydrology	None				
Quadrat Management	None				
Adjacent Landuse		nity use and recreation			
Grazing Comments	Rabb	it grazing abundant			
General Faunal Observations					
Rabbits are rampant					
Structured Quadrat Cover Valu				_	
Total Vegetation Cover	100	Litter Cover)	
Tree Cover	0	Algae Cover)	
Shrub Cover	0	Rock Cover)	
Herb Grass Cover	100 0	Bare Peat/Soil Cover)	
Bryophyte Cover	U	Open Water Cover	,	5	
Height of Vegetation (cm)	<10	Height Shrub Layer (cm) ·	-	
Height Tree Layer (m)	-	Height Herb Layer (cm)		<10	
Species Latin Name	Species Er	nglish Name	Species		
Ladies bedstraw	Ladies Reds	traw	(Domin)	
	Ladies Beds Selfheal	ouaw	<u>/</u> 5		
Prunella vulgaris Euphracia officinalia					
Euphrasia officinalis	Eyebright		6		
	Wild Thyme7		1		
Thymus serpyllum Lotus corniculatus		Birdsfoot trefoil 4			

Omey Island	Site & Quadrat Nu	mber: 78 Omey-Q4
Quadrat Description		
Lakeside coverage no slope		
Quadrat Comments		
None		
Habitat Type		
GS3 Dry-humid Acid Grassland		
Quadrat Type		
Secondary Movement Area		
Quadrat Type Comment None		
Quadrat Number		Omey-Q4
X Coordinate	456565	
Y Coordinate	755530	
Survey Date	15 th July 2017	
Surveyor	Andrew Torsney	
Substrate	Soil	
Stability	Firm	
Substrate Depth (cm)		
Slope Degrees	0	
Aspect	-	
Water Table Depth (cm)	Below the surface	
Comments on Hydrology	None	
Quadrat Management	None	
Adjacent Landuse	Amenity use and recreation	ו
Grazing Comments	Rabbit grazing abundant	
General Faunal Observations		
Rabbits are rampant	22 (8/2)	
Structured Quadrat Cover Valu Total Vegetation Cover	100 Litter Cover	0
Tree Cover	0 Algae Cover	0
Shrub Cover	0 Rock Cover	0
Herb Grass Cover	100 Bare Peat/Soil Cover	
Bryophyte Cover	0 Open Water Cover	0
Height of Vegetation (cm)	<10 Height Shrub Layer ((cm) -
Height Tree Layer (m)	- Height Herb Layer (c	
Species Latin Name	Species English Name	Species cover (Domin)
Galium verum	Ladies Bedstraw	7
Plantago lanceolata	Ribwort Plantain	5
Festuca ovina	Sheeps fescue	7

Omey Island		Site & Quadrat Numb	er: 78 Om	ey-Q5
Quadrat Description				
Sheltered side of the grassland ac	ljacent to the b	peach		
Quadrat Comments				
None				
Habitat Type				
GS3 Dry-humid Acid Grassland				
Quadrat Type				
Core Movement Area				
Quadrat Type Comment				
None				
Quadrat Number			Omey-Q	5
X Coordinate		456463		
Y Coordinate		755412		
Survey Date		15 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Soil		
Stability		Firm		
Substrate Depth (cm)				
Slope Degrees		5		
Aspect		W		
Water Table Depth (cm)	Below	v the surface		
Comments on Hydrology	None	1		
Quadrat Management	None			
Adjacent Landuse		nity use and recreation		
Grazing Comments	Rabb	it grazing abundant		
General Faunal Observations				
Rabbits are rampant				
Structured Quadrat Cover Val	• •		~	
Total Vegetation Cover	95	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	95	Bare Peat/Soil Cover	5	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	<10	Height Shrub Layer (cm) -	
Height Tree Layer (m)	-	Height Herb Layer (cm)	<10	
Species Latin Name	Species E	nglish Name	Species cover (Domin)	
Festuca ovina	Sheeps feso		9	
Hypochaeris radicata	Cats ear		3	

Omey Island		Site & Quadrat Numb	er: 78	Omey-Q6
Quadrat Description				
Grassland Machair Mosaic				
Quadrat Comments				
None				
Habitat Type				
GS3 Dry-humid Acid Grassland				
Quadrat Type				
Core Movement Area				
Quadrat Type Comment None				
Quadrat Number			Om	ey-Q6
X Coordinate		456461		
Y Coordinate		755371		
Survey Date		15 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Soil		
Stability		Firm		
Substrate Depth (cm)				
Slope Degrees		5		
Aspect		E		
Water Table Depth (cm)	Belov	v the surface		
Comments on Hydrology	None			
Quadrat Management	None			
Adjacent Landuse		nity use and recreation		
Grazing Comments	Rabb	it grazing abundant		
General Faunal Observations				
Rabbits are rampant				
Structured Quadrat Cover Valu			~	
Total Vegetation Cover	100	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	100	Bare Peat/Soil Cover	0	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	10- 15	Height Shrub Layer (cm) -	
Height Tree Layer (m)	-	Height Herb Layer (cm)	10-	15
Species Latin Name	Species E	nglish Name	Species co (Domin)	over
Festuca sp	Fescue		9	
Armeria maritima	Sea Pink		4	

Omey Island		Site & Quadrat Numb	er: 78	3 Omey-Q7
Quadrat Description				
Sheltered bay with a very small litto	ral zone. Not	t uniform, and less than 0.	5m long	
Quadrat Comments				
None				
Habitat Type				
LS2 Sandy Shore				
Quadrat Type				
Core Movement Area				
Quadrat Type Comment				
None				
Quadrat Number			Or	ney-Q7
X Coordinate		456388		
Y Coordinate		755466		
Survey Date		15 th July 2017		
Surveyor		Andrew Torsney		
Surveyor		Andrew Torsney		
Substrate		Sand		
Stability		Soft		
Substrate Depth (cm)				
Slope Degrees		2		
Aspect		W		
Water Table Depth (cm)	Tidal			
Comments on Hydrology	Tidal			
	Haai			
Quadrat Management	None	2		
Adjacent Landuse	Amer	nity use and recreation		
Grazing Comments	None	•		
General Faunal Observations				
None				
Structured Quadrat Cover Value	es (%)			
Total Vegetation Cover	0	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	_
Herb Grass Cover	0	Bare Peat/Soil Cover	10	0
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	-	Height Shrub Layer (cm)) –	
Height Tree Layer (m)	-	Height Herb Layer (cm)	-	
Species Latin Name	Species E	nglish Name	Species o (Domin)	cover

Omey Island		Site & Quadrat Numb	er: 78 Omey-Q8
Quadrat Description			
Dune 50cm at the upper limits of t	he minor littor	al zone	
Quadrat Comments			
None			
Habitat Type			
CD1 Embryonic Dunes			
Quadrat Type			
Core Movement Area			
Quadrat Type Comment			
None			
Quadrat Number			Omey-Q8
X Coordinate		456438	
Y Coordinate		755384	
Survey Date		15 th July 2017	
Surveyor		Andrew Torsney	
Substrate		Sand	
Stability		Soft	
Substrate Depth (cm)		30	
Slope Degrees		30	
Aspect		W	
Water Table Depth (cm)	Tidal		
Comments on Hydrology	Tidal		
Quadrat Management	None		
Adjacent Landuse	Amer	nity use and recreation	
Grazing Comments	None		
General Faunal Observations			
None Structured Quadrat Cover Valu	es (%)		
Total Vegetation Cover	60	Litter Cover	0
Tree Cover	0	Algae Cover	0
Shrub Cover	0	Rock Cover	0
Herb Grass Cover	60	Bare Peat/Soil Cover	40
Bryophyte Cover	0	Open Water Cover	0
Height of Vegetation (cm)	25	Height Shrub Layer (cm)	
Height Tree Layer (m)	-	Height Herb Layer (cm)	- 25
	-		23
Species Latin Name	Species Er	-	Species cover (Domin)
Leymus arenarius	Lime Grass		6
Cakile maritima	Sea Rocket		5
	-		

Omey Island	Site & Quadrat Numbe	er: 78 Omey-Q9
Quadrat Description		
Machair coverage, which has been	grazed by rabbits.	
Quadrat Comments		
None		
Habitat Type		
CD6 Machair		
Quadrat Type		
Secondary Movement Area Quadrat Type Comment		
None		
None		
Quadrat Number		Omey Q9
X Coordinate	456031	
Y Coordinate	755853	
Survey Date	15 th July 2017	
Surveyor	Andrew Torsney	
Substrate	Soil	
Stability	Firm	
Substrate Depth (cm)		
Slope Degrees	10	
Aspect	S	
Water Table Depth (cm)	Below the surface	
Comments on Hydrology	None	
Quadrat Management	None	
Adjacent Landuse	Amenity use and recreation	
Grazing Comments	Rabbit grazing abundant	
General Faunal Observations		
Rabbits are rampant		
Structured Quadrat Cover Valu		0
Total Vegetation Cover Tree Cover	100 Litter Cover 0 Algae Cover	0 0
Shrub Cover	0 Algae Cover 0 Rock Cover	0
Herb Grass Cover	100 Bare Peat/Soil Cover	0
Bryophyte Cover	0 Open Water Cover	0
		J.
Height of Vegetation (cm)	<10 Height Shrub Layer (cm)	-
Height Tree Layer (m)	- Height Herb Layer (cm)	<10
Species Latin Name	• •	Species cover (Domin)
Galium verum	Ladies Bedstraw 7	
Anacamptis pyramidalis	Pyramidal Orchid 2	
Achillea millefolium	Yarrow 1	
Plantago lanceolata	Ribwort Plantain 5	
Anthyllis vulneraria	Kidney Vetch 6	
Festuca rubra	Red Fescue 4	ł

Omey Island	Site & Quadrat Nur	nber:	78 Omey-Q10
Quadrat Description Large machair acid grassland mosa	aic, grazed by rabbits less evidence o	f grazing	than other areas.
Quadrat Comments	, , ,	5 5	
None			
Habitat Type			
CD6 Machair			
Quadrat Type			
Tertiary Movement Area			
Quadrat Type Comment			
None			
Quadrat Number			Omey-Q10
X Coordinate	455920		
Y Coordinate	756048		
Survey Date	15 th July 2017		
Surveyor	Andrew Torsney		
Substrate	Soil		
Stability	Firm		
Substrate Depth (cm)			
Slope Degrees	7		
Aspect	Ν		
Water Table Depth (cm)	Below the surface		
Comments on Hydrology	None		
Quadrat Management	None		
Adjacent Landuse	Amenity use and recreation		
Grazing Comments	Rabbit grazing abundant		
General Faunal Observations Rabbits			
Structured Quadrat Cover Valu	les (%)		
Total Vegetation Cover	100 Litter Cover		0
Tree Cover	0 Algae Cover		0
Shrub Cover	0 Rock Cover		0
Herb Grass Cover	100 Bare Peat/Soil Cover		0
Bryophyte Cover	0 Open Water Cover		0
Height of Vegetation (cm)	<10 Height Shrub Layer (o		-
Height Tree Layer (m)	- Height Herb Layer (cr	n)	<10
Species Latin Name	Species English Name	Speci (Dom	ies cover nin)
Ladies bedstraw	Ladies Bedstraw	6	
Prunella vulgaris	Selfheal	6	
Euphrasia officinalis	Eyebright	7	
Thymus serpyllum	Wild Thyme	7	
Lotus corniculatus	Birdsfoot trefoil	4	
Festuca ovina	Sheep's Fescue	7	

Omey Island	Site & Quadrat	Number:	78 Omey-Q11
Quadrat Description			
Large machair acid grassland mosa	aic, grazed by rabbits less evider	nce of grazing	than other areas.
Exposed rocks are evident across t	he habitat.		
Quadrat Comments			
None			
Habitat Type			
CD6 Machair			
Quadrat Type			
Secondary Movement Area			
Quadrat Type Comment			
None			
Quadrat Number			Omey-Q11
X Coordinate	456364		
Y Coordinate	756227		
Survey Date	15 th July 2017		
Surveyor	Andrew Torsney		
Substrate	Soil		
Stability	Firm		
Substrate Depth (cm)			
Slope Degrees	10		
Aspect	Ν		
Water Table Depth (cm)	Below the surface		
Comments on Hydrology	None		
Quadrat Management	None		
Adjacent Landuse	Amenity use and recrea	ation	
Grazing Comments	Rabbit grazing abundar	nt	
General Faunal Observations			
Rabbits			
Structured Quadrat Cover Valu			0
Total Vegetation Cover	90 Litter Cover		0
Tree Cover	0 Algae Cover		0
Shrub Cover	0 Rock Cover 90 Bare Peat/Soil Co	ovor	10
Herb Grass Cover	90 Bare Peat/Soil Co 0 Open Water Cov		0 0
Bryophyte Cover		CI	U
Height of Vegetation (cm)	<10 Height Shrub Lay	yer (cm)	-
Height Tree Layer (m)	- Height Herb Lay		<10
Species Latin Name	Species English Name	-	es cover
Ladies bedstraw	Ladies Bedstraw	(Dom 6	lin <i>)</i>
Prunella vulgaris	Selfheal	6	
Euphrasia officinalis	Eyebright	4	
Thymus serpyllum	Wild Thyme	8	
Festuca ovina	Sheep's Fescue	7	

Omey Island		Site & Quadrat Numb	er: 78 Omey-Q12
Quadrat Description			
Intertidal rock pools with some san	d due to shelt	cered nature of the topogi	raphy
Quadrat Comments			
None			
Habitat Type			
LR1 Exposed Rocky Shore			
Quadrat Type Secondary Movement Area			
Quadrat Type Comment			
None			
Quadrat Number			Omey-Q12
X Coordinate		456244	
Y Coordinate		756299	
Survey Date		15 th July 2017	
Surveyor		Andrew Torsney	
Substrate		Rock	
Stability		Hard	
Substrate Depth (cm)			
Slope Degrees		Jagged	
Aspect		-	
Water Table Depth (cm)	Tidal		
Comments on Hydrology	Tidal		
Quadrat Management	None		
Adjacent Landuse		nity use and recreation	
Grazing Comments	None		
General Faunal Observations None			
Structured Quadrat Cover Valu	• •		_
Total Vegetation Cover	0	Litter Cover	0
Tree Cover	0	Algae Cover	0
Shrub Cover	0	Rock Cover	100
Herb Grass Cover	0	Bare Peat/Soil Cover	0
Bryophyte Cover	0	Open Water Cover	0
Height of Vegetation (cm)	-	Height Shrub Layer (cm)) -
Height Tree Layer (m)	-	Height Herb Layer (cm)	-
Species Latin Name	Species Er	nglish Name	Species cover (Domin)

Oileann Chloigeann		Site & Quadrat Numb	er: 56	0C-Q1
Quadrat Description				
Small loose dune just beyond the li	ttoral zone be	fore the fixed dune emba	inkment.	
Quadrat Comments				
None				
Habitat Type				
CD1 Embryonic Dunes				
Quadrat Type				
Core Movement Area				
Quadrat Type Comment				
None				
Quadrat Number			0C-0	21
X Coordinate		472114		
Y Coordinate		826874		
Survey Date		25 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Sand		
Stability		Soft		
Substrate Depth (cm)				
Slope Degrees		2		
Aspect		NW		
-				
Water Table Depth (cm)	Tidal			
Comments on Hydrology	Tidal			
Quadrat Management	None			
Adjacent Landuse	Amer	nity use and recreation		
Grazing Comments	None			
General Faunal Observations				
None	oc (0/-)			
Structured Quadrat Cover Valu Total Vegetation Cover	es (%) 40	Litter Cover	0	
Tree Cover	40 0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	40	Bare Peat/Soil Cover	60	
Bryophyte Cover	+0 0	Open Water Cover	0	
	U		U	
Height of Vegetation (cm)	20	Height Shrub Layer (cm)) -	
Height Tree Layer (m)	-	Height Herb Layer (cm)	20	
Species Latin Name	Species Er	nglish Name	Species cov (Domin)	/er
Leymus arenarius	Lime Grass		5	

Oileann Chloigeann		Site & Quadrat Numb	er: 5	6 OC-Q2
Quadrat Description				
Dunne Embankment which has had	l partial dune	reinforcements put in pla	ce	
Quadrat Comments				
None				
Habitat Type				
CD2 Marram Dunes				
Quadrat Type Core Movement Area				
Quadrat Type Comment				
None				
Quadrat Number			0)C-Q2
X Coordinate		472232		
Y Coordinate		826755		
Survey Date		25 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Sand		
Stability		Soft		
Substrate Depth (cm)				
Slope Degrees		30 NF		
Aspect		NE		
Water Table Depth (cm)	Just a	above the tidal zone		
Comments on Hydrology	Tidal			
Quadrat Management	None			
Adjacent Landuse		nity use and recreation		
Grazing Comments	None			
General Faunal Observations				
None Structured Quadrat Cover Valu	es (%)			
Total Vegetation Cover	100	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	100	Bare Peat/Soil Cover	0	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	40	Height Shrub Layer (cm) -	
Height Tree Layer (m)	-	Height Herb Layer (cm)		0
Species Latin Name	Species Er	nglish Name	Species (Domin)	
Ammophila arenaria	Marram Gra	SS	9	
Campanula rotundifolia	Haresbell		5	

Oileann Chloigeann		Site & Quadrat Numb	er:	56	OC-Q3
Quadrat Description					
Dunne embankment close to the si	te carpark				
Quadrat Comments					
None					
Habitat Type					
CD3 Fixed Dunes					
Quadrat Type					
Core Movement Area					
Quadrat Type Comment					
None					
Quadrat Number				OC-Q	3
X Coordinate		472410			
Y Coordinate		826652			
Survey Date		25 th July 2017			
Surveyor		Andrew Torsney			
					
Substrate		Sand			
Stability		Soft			
Substrate Depth (cm)					
Slope Degrees		150			
Aspect		NE			
Water Table Depth (cm)	Just	above the tidal zone			
Comments on Hydrology	Tidal				
Quadrat Management	None	2			
Adjacent Landuse	Amer	nity use and recreation			
Grazing Comments	None	:			
General Faunal Observations None					
Structured Quadrat Cover Valu				_	
Total Vegetation Cover	100	Litter Cover		0	
Tree Cover	0	Algae Cover		0	
Shrub Cover	0	Rock Cover		0	
Herb Grass Cover	100	Bare Peat/Soil Cover		0	
Bryophyte Cover	0	Open Water Cover		0	
Height of Vegetation (cm)	40	Height Shrub Layer (cm)	-	
Height Tree Layer (m)	-	Height Herb Layer (cm)		40	
Species Latin Name	Species E	nglish Name	Species (Domin		er
Ammophila arenaria	Marram Gra	ISS	7		
Campanula rotundifolia	Haresbell		2		
Cakile maritima	Sea rocket		5		

Oileann Chloigeann		Site & Quadrat Numbe	er: 56 OC-Q4
Quadrat Description Flat sheltered bay, literal layer pr present.	resent and No	eedle shells abundant (<i>Bi</i>	<i>ittium reticulatum</i>). Litte
•			
Quadrat Comments None			
Habitat Type			
LS2 Sandy Shores Quadrat Type			
Core Movement Area			
Quadrat Type Comment			
None			
None			
Quadrat Number			OC-Q4
X Coordinate		472396	
Y Coordinate		826719	
Survey Date		25 th July 2017	
Surveyor		Andrew Torsney	
Substrate		Sand	
Stability		Soft	
Substrate Depth (cm)			
Slope Degrees		-	
Aspect		-	
Water Table Depth (cm)	Tidal		
Comments on Hydrology	Tidal		
Quadrat Management	None		
Adjacent Landuse	Amer	nity use and recreation	
Grazing Comments	None	1	
General Faunal Observations Needle Shells <i>Bittium reticulatum</i>			
Structured Quadrat Cover Valu	es (%)		
Total Vegetation Cover	es (70) 0	Litter Cover	0
Tree Cover	0	Algae Cover	0
Shrub Cover	0 0	Rock Cover	0
Herb Grass Cover	0	Bare Peat/Soil Cover	100
Bryophyte Cover	0	Open Water Cover	0
, ,			-
Height of Vegetation (cm)	-	Height Shrub Layer (cm)	-
Height Tree Layer (m)	-	Height Herb Layer (cm)	-
Species Latin Name	Species Er	nglish Name	Species cover
-	-	-	(Domin)

Strandhill		Site & Quadrat Numb	er: 40	SH-Q1
Quadrat Description				
High traffic area of the beach.				
Quadrat Comments				
None				
Habitat Type				
LS1 Shingle and Gravel Shores				
Quadrat Type Core Movement Area				
Quadrat Type Comment				
None				
Quadrat Number			SH-Q1	
X Coordinate		560189		
Y Coordinate		835793		
Survey Date		24 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Cobble/Gravel		
Stability		Loose		
Substrate Depth (cm)				
Slope Degrees		-		
Aspect		-		
Water Table Depth (cm)	Tidal			
Comments on Hydrology	Tidal			
Quadrat Management	None			
Adjacent Landuse		ity use and recreation		
Grazing Comments	None			
General Faunal Observations None				
Structured Quadrat Cover Valu				
Total Vegetation Cover	0	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	100	
Herb Grass Cover	0	Bare Peat/Soil Cover	0	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	-	Height Shrub Layer (cm)		
Height Tree Layer (m)	-	Height Herb Layer (cm)	-	
Species Latin Name	Species Er	iglish Name	Species cove (Domin)	er

Strandhill		Site & Quadrat Numb	er: 40	SH-Q2
Quadrat Description				
High traffic area of the beach.				
Quadrat Comments				
None				
Habitat Type				
LS2 Sandy Shores				
Quadrat Type				
Core Movement Area				
Quadrat Type Comment None				
Quadrat Number			SH-Q	2
X Coordinate		559781		
Y Coordinate		835277		
Survey Date		24 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Sand		
Stability		Soft		
Substrate Depth (cm)				
Slope Degrees		-		
Aspect		-		
Water Table Depth (cm)	Tidal			
Comments on Hydrology	Tidal			
Quadrat Management	None			
Adjacent Landuse		ity use and recreation		
Grazing Comments	None			
General Faunal Observations None				
Structured Quadrat Cover Valu	• •			
Total Vegetation Cover	0	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	0	Bare Peat/Soil Cover	100	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	-	Height Shrub Layer (cm)) -	
Height Tree Layer (m)	-	Height Herb Layer (cm)	-	
Species Latin Name	Species Er	nglish Name	Species cov (Domin)	er

Strandhill	Sit	te & Quadrat Numb	er: 40 SH-Q3
Quadrat Description			
High traffic area of the dunes heav	ily impacted, pres	ence of cinnabar mot	h recorded.
Quadrat Comments			
None			
Habitat Type			
CD2 Marram Dune			
Quadrat Type Secondary Movement Area			
Quadrat Type Comment			
None			
Quadrat Number			SH-Q3
X Coordinate	55	9929	
Y Coordinate	83	5334	
Survey Date	24	th July 2017	
Surveyor	An	drew Torsney	
Substrate	Sa	nd	
Stability	So	ft	
Substrate Depth (cm)			
Slope Degrees	10		
Aspect	W		
Water Table Depth (cm)	Below the	e surface	
Comments on Hydrology	None		
Quadrat Management	None		
Adjacent Landuse		use and recreation	
Grazing Comments	None		
General Faunal Observations			
Cinnabar moth abundant	(0/)		
Structured Quadrat Cover Valu		ter Cover	0
Total Vegetation Cover Tree Cover		jae Cover	0 0
Shrub Cover		ck Cover	0
Herb Grass Cover		re Peat/Soil Cover	15
Bryophyte Cover		en Water Cover	0
Height of Vegetation (cm)	100 He	ight Shrub Layer (cm) -
Height Tree Layer (m)		ight Herb Layer (cm)	
Species Latin Name	Species Englis	sh Name	Species cover (Domin)
Jacobaea vulgaris	Ragwort		5
Ammophila arenaria	Marram Grass		7
Festuca Spp.	Fescue		5

Strandhill	Site & Quadr	at Number:	40 SH-Q4
Quadrat Description			
High traffic area of the dunes heav	ily impacted, presence of cinn	abar moth reco	orded.
Quadrat Comments			
None			
Habitat Type			
CD2 Marram Dune			
Quadrat Type			
Secondary Movement Area			
Quadrat Type Comment			
None			
Quadrat Number			SH-Q4
X Coordinate	559887		
Y Coordinate	835285		
Survey Date	24 th July 2017		
Surveyor	Andrew Torsne	ev	
		,	
Substrate	Sand		
Stability	Soft		
Substrate Depth (cm)			
Slope Degrees	15		
Aspect	S		
Water Table Depth (cm)	Below the surface		
Comments on Hydrology	None		
commence on rijurology	Hone		
Quadrat Management	None		
Adjacent Landuse	Amenity use and recr	eation	
Grazing Comments	None		
General Faunal Observations			
Cinnabar moth abundant	(0/)		
Structured Quadrat Cover Valu			0
Total Vegetation Cover	75 Litter Cover		0
Tree Cover Shrub Cover	0 Algae Cover 0 Rock Cover		0 0
Herb Grass Cover	75 Bare Peat/Soil	Cover	0 25
Bryophyte Cover	0 Open Water Co		0
			U
Height of Vegetation (cm)	100 Height Shrub L	ayer (cm)	-
Height Tree Layer (m)	- Height Herb La		100
Species Latin Name	Species English Name	Spec (Don	ies cover
Jacobaea vulgaris	Ragwort	5)
Ammophila arenaria	Marram Grass	6	
Festuca Spp.	Fescue	4	

Strandhill		Site & Quadrat Numb	er: 40	SH-Q5
Quadrat Description High traffic area of the beach but evidence of trampling	less frequent	ted by visitors as indicate	ed by the v	visitor data. No
Quadrat Comments				
None				
Habitat Type				
CD3 Fixed Dunes				
Quadrat Type				
Secondary Movement Area				
Quadrat Type Comment				
None				
Quadrat Number			SH	-Q5
X Coordinate		559298		
Y Coordinate		834367		
Survey Date		24 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Sand		
Stability		Soft		
Substrate Depth (cm)				
Slope Degrees		15		
Aspect		S		
Water Table Depth (cm)	Below	v the surface		
Comments on Hydrology	None	2		
Quadrat Management	None			
Adjacent Landuse		nity use and recreation		
Grazing Comments	None	2		
General Faunal Observations None				
Structured Quadrat Cover Valu			-	
Total Vegetation Cover	100	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	100	Bare Peat/Soil Cover	0	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	40	Height Shrub Layer (cm) -	
Height Tree Layer (m)	-	Height Herb Layer (cm)	40	
Species Latin Name	Species E	nglish Name	Species c (Domin)	over
Agrostis Spp.	Bent		5	
Festuca Rubra	Red Fescue		8	

Strandhill		Site & Quadrat Numb	er: 40 SH-Q6
Quadrat Description			
Beach widens and the shoreline is	less impacted	by strong wave action	
Quadrat Comments			
None			
Habitat Type			
LS2 Sandy Shores			
Quadrat Type			
Core Movement Area			
Quadrat Type Comment None			
Quadrat Number			SH-Q6
X Coordinate		559302	
Y Coordinate		834726	
Survey Date		24 th July 2017	
Surveyor		Andrew Torsney	
Substrate		Sand	
Stability		Soft	
Substrate Depth (cm)			
Slope Degrees		-	
Aspect		-	
Water Table Depth (cm)	Tidal		
Comments on Hydrology	Tidal		
Quadrat Management	None		
Adjacent Landuse		nity use and recreation	
Grazing Comments	None		
General Faunal Observations None			
Structured Quadrat Cover Valu	• •		
Total Vegetation Cover	0	Litter Cover	0
Tree Cover	0	Algae Cover	0
Shrub Cover	0	Rock Cover	0
Herb Grass Cover	0	Bare Peat/Soil Cover	100
Bryophyte Cover	0	Open Water Cover	0
Height of Vegetation (cm)	-	Height Shrub Layer (cm)) –
Height Tree Layer (m)	-	Height Herb Layer (cm)	-
Species Latin Name	Species Er	nglish Name	Species cover
			(Domin)

Strandhill		Site & Quadrat Numb	er: 40 SH-Q7
Quadrat Description			
Sheltered side of the peninsula on the	ne estuary si	de	
Quadrat Comments			
None			
Habitat Type			
LS2 Sandy Shores			
Quadrat Type			
Core Movement Area			
Quadrat Type Comment			
None			
Quadrat Number			SH-Q7
X Coordinate		559711	
Y Coordinate		834499	
Survey Date		24 th July 2017	
Surveyor		Andrew Torsney	
Substrate		Sand	
Stability		Soft	
Substrate Depth (cm)			
Slope Degrees		-	
Aspect		-	
Water Table Depth (cm)	Tidal		
Comments on Hydrology	Tidal		
Quadrat Management	None		
Adjacent Landuse	Amer	nity use and recreation	
Grazing Comments	None		
General Faunal Observations None			
Structured Quadrat Cover Value			
Total Vegetation Cover	0	Litter Cover	0
Tree Cover	0	Algae Cover	0
Shrub Cover	0	Rock Cover	0
Herb Grass Cover	0	Bare Peat/Soil Cover	100
Bryophyte Cover	0	Open Water Cover	0
Height of Vegetation (cm)	-	Height Shrub Layer (cm)	-
Height Tree Layer (m)	-	Height Herb Layer (cm)	-
Species Latin Name	Species Er		Species cover (Domin)

Strandhill		Site & Quadrat Numb	er: 40	SH-Q8
Quadrat Description				
Severe erosion evident.				
Quadrat Comments				
None				
Habitat Type				
CD3 Fixed Dunes				
Quadrat Type				
Secondary Movement Area				
Quadrat Type Comment				
None				
Quadrat Number			SH-Q8	3
X Coordinate		560018		
Y Coordinate		834958		
Survey Date		24 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Sand		
Stability		Soft		
Substrate Depth (cm)				
Slope Degrees		40		
Aspect		SW		
Water Table Depth (cm)	Belov	v the surface		
Comments on Hydrology	None			
Quadrat Management	None			
Adjacent Landuse		nity use and recreation		
Grazing Comments	None			
General Faunal Observations None				
Structured Quadrat Cover Value	es (%)			
Total Vegetation Cover	50	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	50	Bare Peat/Soil Cover	50	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	30	Height Shrub Layer (cm)) -	
Height Tree Layer (m)	-	Height Herb Layer (cm)	30	
Species Latin Name	Species E	nglish Name	Species cov (Domin)	er
Agrostis Spp.	Bent		5	
Festuca Rubra	Red Fescue		5	

Strandhill		Site & Quadrat Numb	er: 40	SH-Q9
Quadrat Description				
Golf course adjacent				
Quadrat Comments				
None				
Habitat Type				
CD3 Fixed Dunes				
Quadrat Type				
Tertiary Movement Area				
Quadrat Type Comment				
None				
Quadrat Number			SH-C	29
X Coordinate		560311		
Y Coordinate		834864		
Survey Date		24 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Sand		
Stability		Soft		
Substrate Depth (cm)				
Slope Degrees		40		
Aspect		SW		
Water Table Depth (cm)	Belov	v the surface		
Comments on Hydrology	None			
Quadrat Management	None			
Adjacent Landuse	Amer	nity use and recreation		
Grazing Comments	None	-		
General Faunal Observations				
Cinnabar moth				
Structured Quadrat Cover Value			0	
Total Vegetation Cover	100	Litter Cover	0	
Tree Cover Shrub Cover	0 0	Algae Cover Rock Cover	0	
Herb Grass Cover	100	Bare Peat/Soil Cover	0	
	0	-	0 0	
Bryophyte Cover	U	Open Water Cover	U	
Height of Vegetation (cm)	50	Height Shrub Layer (cm)		
Height Tree Layer (m)	-	Height Herb Layer (cm)	50	
Species Latin Name	Species Er	nglish Name	Species co (Domin)	ver
Agrostis Spp.	Bent		6	
Anthoxanthum odoratum	Sweet Vern		4	
Jacobaea vulgaris	Ragwort		5	
Festuca Rubra	Red Fescue		5	

Murvagh Beach		Site & Quadrat Numbe	er: 34 Murv-Q1
Quadrat Description Woodland with walking trails thre Quadrat Comments None	oughout to the	north west of the carpark	
Habitat Type			
WD2 Mixed Broadleaved/Conifer	Woodland		
Quadrat Type	WOOulanu		
Tertiary Movement Area			
Quadrat Type Comment			
None			
Quadrat Number			Murv-Q1
X Coordinate		589706	
Y Coordinate		872923	
Survey Date		14 th July 2017	
Surveyor		Andrew Torsney	
Substrata		Soil	
Substrate Stability		Soli Moderate	
Substrate Depth (cm)		Moderate	
Slope Degrees		_	
Aspect		-	
Water Table Depth (cm)	Belov	w Surface	
Comments on Hydrology	None		
Quadrat Management	None	2	
Adjacent Landuse		nity use and recreation	
Grazing Comments	None	2	
General Faunal Observations None			
Structured Quadrat Cover Va	• •		100
Total Vegetation Cover Tree Cover	100	Litter Cover	100
Shrub Cover	0 50	Algae Cover Rock Cover	0 0
Herb Grass Cover	50	Bare Peat/Soil Cover	0
Bryophyte Cover	0	Open Water Cover	0
Height of Vegetation (cm)	50-	Height Shrub Layer (cm)	200
	200		200
Height Tree Layer (m)	>5	Height Herb Layer (cm)	50
Species Latin Name	Species E	-	Species cover (Domin)
Pteridium aquilinum	Bracken	3	
Athyrium filix-femina	Lady Fern	3	
Agrostis spp.	Bent	6	
Bromus hordeaceus	Brome Gras		
Dryopteris affinis	Male scaly		
Rubus fructicosus	Brambles	6	
Galeopsis tetrahit	Hemp Nettl		
Hypericum androsaemum	Tutson	4	
Acer pseudoplatanus	Sycamore	4	
Daucus carota	Wild Carrot		
Pinus spp.	Pine	8	j

Murvagh Beach		Site & Quadrat Numbe	er: 34 Murv-Q	2
Quadrat Description Woodland with walking trails thro Quadrat Comments None	oughout to the r	north west of the carpark		
Habitat Type				
WD2 Mixed Broadleaved/Conifer	Woodland			
Quadrat Type				
Tertiary Movement Area				
Quadrat Type Comment None				
Quadrat Number			Murv-Q2	
X Coordinate		589690		
Y Coordinate		872858		
Survey Date		14 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Soil		
Stability		Moderate		
Substrate Depth (cm)				
Slope Degrees		-		
Aspect		-		
Water Table Depth (cm)		v Surface		
Comments on Hydrology	None			
Quadrat Management	None			
Adjacent Landuse		nity use and recreation		
Grazing Comments General Faunal Observations	None			
None				
Structured Quadrat Cover Va	• •		100	
Total Vegetation Cover Tree Cover	100	Litter Cover	100	
Shrub Cover	0 50	Algae Cover Rock Cover	0 0	
Herb Grass Cover	50	Bare Peat/Soil Cover	0	
Bryophyte Cover	0	Open Water Cover	Ő	
· · ·	F0	·	200	
Height of Vegetation (cm)	50- 200	Height Shrub Layer (cm)	200	
Height Tree Layer (m)	>5	Height Herb Layer (cm)	50	
Species Latin Name			Species cover	
	-p	-	(Domin)	
Pteridium aquilinum	Bracken		3	
Athyrium filix-femina	Lady Fern	3		
Bromus hordeaceus	Brome Gras			
Agrostis spp.	Bent	7		
Dryopteris affinis	Male scaly f			
Rubus fructicosus	Brambles			
Galeopsis tetrahit	Hemp Nettle			
Acer pseudoplatanus	Sycamore Wild Carrot	6		
Daucus carota	Wild Carrot			
Pinus spp. Retula pondula	Pine Silver Birch	8		
Betula pendula	Silver Birch	3)	

Murvagh Beach		Site & Quadrat Numb	er: 34 Murv-Q3
Quadrat Description			
Sandy beach, high short littoral zon	e		
Quadrat Comments			
None			
Habitat Type			
LS2 Sandy Shores			
Quadrat Type			
Core Movement Area			
Quadrat Type Comment None			
Quadrat Number			Murv-Q3
X Coordinate		589454	
Y Coordinate		872958	
Survey Date		14 th July 2017	
Surveyor		Andrew Torsney	
Substrate		Sand	
Stability		Soft	
Substrate Depth (cm)			
Slope Degrees		-	
Aspect		-	
Water Table Depth (cm)	Tidal		
Comments on Hydrology	None		
Quadrat Management	None		
Adjacent Landuse		ity use and recreation	
Grazing Comments	None		
General Faunal Observations None			
Structured Quadrat Cover Value	es (%)		
Total Vegetation Cover	0	Litter Cover	0
Tree Cover	0	Algae Cover	0
Shrub Cover	0	Rock Cover	0
Herb Grass Cover	0	Bare Peat/Soil Cover	100
Bryophyte Cover	0	Open Water Cover	0
Height of Vegetation (cm)	-	Height Shrub Layer (cm)) -
Height Tree Layer (m)	-	Height Herb Layer (cm)	-
Species Latin Name	Species Er		Species cover (Domin)

Grazing CommentsNoGeneral Faunal ObservationsNone	le	
Stability Substrate Depth (cm) Slope Degrees Aspect Water Table Depth (cm) Tid Comments on Hydrology Noi Quadrat Management Adjacent Landuse Grazing Comments None	Soft - - al ie	
Substrate Depth (cm) Slope Degrees Aspect Water Table Depth (cm) Tid Comments on Hydrology Not Quadrat Management Not Adjacent Landuse Am Grazing Comments Not None Not	- - al ne	
Aspect Water Table Depth (cm) Tid Comments on Hydrology Nor Quadrat Management Nor Adjacent Landuse Am Grazing Comments Nor General Faunal Observations None	le	
Comments on HydrologyNoQuadrat ManagementNoAdjacent LanduseAmGrazing CommentsNoGeneral Faunal ObservationsNone	le	
Adjacent LanduseAmGrazing CommentsNoGeneral Faunal ObservationsNone		
Grazing Comments No. General Faunal Observations None	-	
	enity use and recreation le	
Structured Quadrat Cover Values (%)		0
Total Vegetation Cover0Tree Cover0	Litter Cover Algae Cover	0 0
Tree Cover 0 Shrub Cover 0	Rock Cover	0
Herb Grass Cover 0	Bare Peat/Soil Cover	100
Bryophyte Cover 0	Open Water Cover	0
Height of Vegetation (cm) -	Height Shrub Layer (cm)	-
Height Tree Layer (m) -	Height Herb Layer (cm)	-

Murvagh Beach		Site & Quadrat Numb	er: 3	4 Murv-Q5
Quadrat Description Dune system along the beach. Mile Quadrat Comments None	d evidence of t	rampling but no defined c	lesire line	e present.
Habitat Type				
CD3 Fixed Dunes				
Quadrat Type				
Secondary Movement Zone				
Quadrat Type Comment None				
Quadrat Number			M	1urv-Q5
X Coordinate		589551		
Y Coordinate		873047		
Survey Date		14 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Sand		
Stability		Soft		
Substrate Depth (cm)				
Slope Degrees		5		
Aspect		E		
Water Table Depth (cm)	Belov	v the surface		
Comments on Hydrology	None			
Quadrat Management	Beac	h management, lifeguard	patrol	
Adjacent Landuse		nity and recreation		
Grazing Comments	None			
General Faunal Observations None				
Structured Quadrat Cover Valu				
Total Vegetation Cover	100	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	100 0	Bare Peat/Soil Cover Open Water Cover	0 0	
Bryophyte Cover	0	Open water Cover	0	
Height of Vegetation (cm)	50- 100	Height Shrub Layer (cm)	0	
Height Tree Layer (m)	0	Height Herb Layer (cm)	5	0-100
Species Latin Name	Species E	nglish Name	Species	cover (Domin)
Festuca rubra	Red fescue		8	
Jacobaea vulgaris	Ragwort		2	
Agrostis spp.	Bent Grass		6	

Murvagh Beach		Site & Quadrat Number	er: 34	Murv-Q6
Quadrat Description				
Dune system along the beach. Mild	evidence of t	rampling but no defined d	lesire line p	present.
Quadrat Comments				
None				
Habitat Type				
CD3 Fixed Dunes				
Quadrat Type				
Secondary Movement Zone				
Quadrat Type Comment				
None				
Quadrat Number			Mu	rv-Q6
X Coordinate		589567		
Y Coordinate		873179		
Survey Date		14 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Sand		
Stability		Soft		
Substrate Depth (cm)				
Slope Degrees		5		
Aspect		E		
Water Table Depth (cm)		the surface		
Comments on Hydrology	None			
Quadrat Management		n management, lifeguard	patrol	
Adjacent Landuse	Amen	ity and recreation		
Grazing Comments	None			
General Faunal Observations				
None Structured Quadrat Cover Valu	es (%)			
Total Vegetation Cover	100	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	100	Bare Peat/Soil Cover	0	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	50-	Height Shrub Layer (cm)	0	
Height Tree Layer (m)	100 0	Height Herb Layer (cm)	50-	100
Species Latin Name	Species En	iglish Name	Species c	over (Domin)
Festuca rubra	Red fescue		8	
Agrostis spp.	Bent Grass		5	

Murvagh Beach		Site & Quadrat Numbe	er: 34	Murv-Q7
Quadrat Description				
Dune adjacent to the desire line p	oath. Path use	is evident, and impacts a	are channe	lled along the
existing desire lines.				
Quadrat Comments				
None				
Habitat Type				
CD2 Marram Dunes				
Quadrat Type				
Tertiary Movement Area				
Quadrat Type Comment None				
None				
Quadrat Number			Mur	v-Q7
X Coordinate		478499		
Y Coordinate		872888		
Survey Date		14 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Sand		
Stability		Soft		
Substrate Depth (cm)				
Slope Degrees		15		
Aspect		W		
Water Table Depth (cm)	Belov	v Surface		
Comments on Hydrology	None			
Quadrat Management	None			
Adjacent Landuse		ity use and recreation		
Grazing Comments	None			
General Faunal Observations None				
Structured Quadrat Cover Valu				
Total Vegetation Cover		Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	100	Bare Peat/Soil Cover	0	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	100	Height Shrub Layer (cm)		
Height Tree Layer (m)	-	Height Herb Layer (cm)	100	
Species Latin Name	Species Er	-	Species co (Domin)	ver
Ammophila arenaria	Marram Gra		10	
•				

Murvagh Beach		Site & Quadrat Numb	er: 34	Murv-Q8
Quadrat Description Dune adjacent to the desire line period	oath. Path use	e is evident, and impacts	are channe	elled along the
Quadrat Comments				
None				
Habitat Type				
CD2 Marram Dunes				
Quadrat Type				
Tertiary Movement Area				
Quadrat Type Comment				
None				
Quadrat Number			Mu	v-Q8
X Coordinate		589475		
Y Coordinate		873151		
Survey Date		14 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Sand		
Stability		Soft		
Substrate Depth (cm)				
Slope Degrees		15		
Aspect		W		
Water Table Depth (cm)	Belov	v Surface		
Comments on Hydrology	None			
Quadrat Management	None			
Adjacent Landuse		nity use and recreation		
Grazing Comments	None			
General Faunal Observations None				
Structured Quadrat Cover Valu	ies (%)			
Total Vegetation Cover	100	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	100	Bare Peat/Soil Cover	0	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	100	Height Shrub Layer (cm)		
Height Tree Layer (m)	-	Height Herb Layer (cm)	100	
Species Latin Name	Species Er	nglish Name	Species co (Domin)	over
Ammophila arenaria	Marram Gra	SS	10	

Murvagh Beach		Site & Quadrat Numb	er: 34	Murv-Q9
Quadrat Description				
Dune adjacent to the desire line	oath. Path use	e is evident, and impacts	are channe	elled along the
existing desire lines.				
Quadrat Comments				
None				
Habitat Type				
CD2 Marram Dunes				
Quadrat Type				
Core Movement Area				
Quadrat Type Comment				
None				
Quadrat Number			Mu	rv-Q9
X Coordinate		589238		
Y Coordinate		873962		
Survey Date		14 th July 2017		
Surveyor		Andrew Torsney		
		, and en roroney		
Substrate		Sand		
Stability		Soft		
Substrate Depth (cm)				
Slope Degrees		15		
Aspect		W		
Water Table Depth (cm)	Belov	v Surface		
Comments on Hydrology	None			
Quadrat Management	None			
Adjacent Landuse	Amer	nity use and recreation		
Grazing Comments	None			
General Faunal Observations None				
Structured Quadrat Cover Valu	ies (%)			
Total Vegetation Cover	100	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	100	Bare Peat/Soil Cover	0	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	100	Height Shrub Layer (cm)		
Height Tree Layer (m)	-	Height Herb Layer (cm)	100)
Species Latin Name	Species Er	nglish Name	Species co (Domin)	over
Ammophila arenaria	Marram Gra	SS	10	
-				

Murvagh Beach		Site & Quadrat Numb	er: 34 Murv-Q10
Quadrat Description			
Sandy beach, high short littoral zone			
Quadrat Comments			
None			
Habitat Type			
LS2 Sandy Shores Quadrat Type			
Tertiary Movement Area			
Quadrat Type Comment			
None			
Quadrat Number			Murv-Q10
X Coordinate		589199	
Y Coordinate		874616	
Survey Date		14 th July 2017	
Surveyor		Andrew Torsney	
Substrate		Sand	
Stability		Soft	
Substrate Depth (cm)			
Slope Degrees		-	
Aspect		-	
Water Table Depth (cm)	Tidal		
Comments on Hydrology	None		
Quadrat Management	None		
Adjacent Landuse		nity use and recreation	
Grazing Comments	None		
General Faunal Observations None			
Structured Quadrat Cover Values	s (%)		
Total Vegetation Cover	0	Litter Cover	0
Tree Cover	0	Algae Cover	0
Shrub Cover	0	Rock Cover	0
Herb Grass Cover	0	Bare Peat/Soil Cover	100
Bryophyte Cover	0	Open Water Cover	0
Height of Vegetation (cm)	-	Height Shrub Layer (cm)	
Height Tree Layer (m)	-	Height Herb Layer (cm)	-
Species Latin Name	Species E	nglish Name	Species cover (Domin)

Murvagh Beach		Site & Quadrat Numb	er: 34 Murv-Q	211
Quadrat Description				
Sandy beach, high short littoral zone	Э			
Quadrat Comments				
None				
Habitat Type				
LS2 Sandy Shores				
Quadrat Type				
Core Movement Area				
Quadrat Type Comment None				
Quadrat Number			Murv-Q11	
X Coordinate		589172		
Y Coordinate		874901		
Survey Date		14 th July 2017		
Surveyor		Andrew Torsney		
-		/		
Substrate		Sand		
Stability		Soft		
Substrate Depth (cm)				
Slope Degrees		-		
Aspect		-		
Water Table Depth (cm)	Tidal			
Comments on Hydrology	None			
Quadrat Management	None			
Adjacent Landuse		ity use and recreation		
Grazing Comments	None			
General Faunal Observations None				
Structured Quadrat Cover Value	es (%)			
Total Vegetation Cover	0	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	0	Bare Peat/Soil Cover	100	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	-	Height Shrub Layer (cm)) -	
Height Tree Layer (m)	-	Height Herb Layer (cm)	-	
Species Latin Name	Species Er	nglish Name	Species cover (Domin)	

Murvagh Beach		Site & Quadrat Numb	er: 34	Murv-Q12
Quadrat Description				
Small dune mound with sparse veg	etation.			
Quadrat Comments				
None				
Habitat Type				
CD1 Embryonic Dunes				
Quadrat Type				
Tertiary Movement Area				
Quadrat Type Comment				
None				
Quadrat Number			Mur	v-Q12
X Coordinate		589527		
Y Coordinate		875218		
Survey Date		14 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Sand		
Stability		Soft		
Substrate Depth (cm)		5010		
Slope Degrees		_		
Aspect		_		
Aspect				
Water Table Depth (cm)	Tidal			
Comments on Hydrology	None	2		
Quadrat Management	None	2		
Adjacent Landuse	Amer	nity use and recreation		
Grazing Comments	None	2		
General Faunal Observations				
None Structured Quadrat Cover Value	es (%)			
Total Vegetation Cover	20	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	20	Bare Peat/Soil Cover	80	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	30	Height Shrub Layer (cm)) -	
Height Tree Layer (m)	_	Height Herb Layer (cm)	, 30	
Species Latin Name	Species E	nglish Name	Species co (Domin)	ver
Leymus arenarius	Lyme Grass		5	

Cé Mhachaire Uí Rabhartaigh	S	ite & Quadrat Numb	er: EP:	L TMR-Q1
Quadrat Description				
Transitional grasses lead into the u	pper salt marsh	with veins of mud flats	through it.	
Quadrat Comments				
None				
Habitat Type				
CM2 Upper Salt Marsh				
Quadrat Type				
Tertiary Movement Area				
Quadrat Type Comment				
None				
Quadrat Number			TM	R-Q1
X Coordinate	58	39098		
Y Coordinate		33074		
Survey Date	14	4 th July 2017		
Surveyor	A	ndrew Torsney		
Substrate	М	ud		
Stability	Se	oft-moderate		
Substrate Depth (cm)				
Slope Degrees	-			
Aspect	-			
Water Table Depth (cm)	Tidal			
Comments on Hydrology	Upper ei	nd of the tidal plain		
Quadrat Management	None			
Adjacent Landuse	,	use and recreation		
Grazing Comments	None			
General Faunal Observations				
None				
Structured Quadrat Cover Valu		ttor Covor	0	
Total Vegetation Cover		tter Cover	0	
Tree Cover Shrub Cover		gae Cover ock Cover	0 0	
Herb Grass Cover		are Peat/Soil Cover	0	
Bryophyte Cover		pen Water Cover	0	
	0 0	pen water Cover	U	
Height of Vegetation (cm)	30 H	eight Shrub Layer (cm)) -	
Height Tree Layer (m)		eight Herb Layer (cm)	30	
Species Latin Name	Species Engl	ish Name	Species co	over
Spartina anglica	Cord Grass		(Domin) 6	
Puccinellia maritima			8	
	Salt Marsh Gra	55	0	

Cé Mhachaire Uí Rabhartaigh		Site & Quadrat Numb	er: EP1	TMR-Q2
Quadrat Description				
Transitional grasses lead into the up	pper salt mar	sh with veins of mud flats	through it.	
Quadrat Comments				
None				
Habitat Type				
CM2 Upper Salt Marsh				
Quadrat Type				
Tertiary Movement Area				
Quadrat Type Comment None				
None				
Quadrat Number			TMR	-Q2
X Coordinate		589055		
Y Coordinate		933067		
Survey Date		14 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Mud		
Stability		Soft-moderate		
Substrate Depth (cm)				
Slope Degrees		-		
Aspect		-		
Water Table Depth (cm)	Tidal			
Comments on Hydrology	Uppe	r end of the tidal plain		
Quadrat Management	None	2		
Adjacent Landuse	Amei	nity use and recreation		
Grazing Comments	None	:		
General Faunal Observations None				
Structured Quadrat Cover Value	es (%)			
Total Vegetation Cover	100	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	100	Bare Peat/Soil Cover	0	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	20	Height Shrub Layer (cm		
Height Tree Layer (m)	-	Height Herb Layer (cm)	20	
Species Latin Name	Species E	nglish Name	Species co (Domin)	ver
Puccinellia maritima	Salt Marsh	Grass	10	

Cé Mhachaire Uí Rabhartaigh		Site & Quadrat Numb	er: EP1	TMR-Q3
Quadrat Description				
Transitional grasses lead into the u	pper salt mars	h with veins of mud flats	through it.	
Quadrat Comments				
None				
Habitat Type				
CM2 Upper Salt Marsh				
Quadrat Type				
Tertiary Movement Area				
Quadrat Type Comment				
None				
Quadrat Number			TMR-	Q3
X Coordinate		589151		
Y Coordinate		933059		
Survey Date		14 th July 2017		
Surveyor		Andrew Torsney		
Surveyor		Andrew Toroney		
Substrate		Mud		
Stability		Soft-moderate		
Substrate Depth (cm)				
Slope Degrees		-		
Aspect		-		
Water Table Depth (cm)	Tidal			
Comments on Hydrology	Upper	end of the tidal plain		
, ,,		ľ		
Quadrat Management	None			
Adjacent Landuse	Ameni	ity use and recreation		
Grazing Comments	None			
General Faunal Observations				
Structured Quadrat Cover Valu	es (%)			
Total Vegetation Cover	100	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	100	Bare Peat/Soil Cover	0	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	20	Height Shrub Layer (cm)) -	
Height Tree Layer (m)	-	Height Herb Layer (cm)	20	
Species Latin Name	Species En	glish Name	Species cov (Domin)	er
Puccinellia maritima	Salt Marsh G	rass	10	

Cé Mhachaire Uí Rabhartaigh		Site & Quadrat Numb	er: EP:	L TMR-Q4
Quadrat Description				
Sandy beach leading out to the peni	nsula			
Quadrat Comments				
None				
Habitat Type				
LS2 Sandy Shores				
Quadrat Type				
Core Movement Area				
Quadrat Type Comment				
None				
Quadrat Number			TM	R-Q4
X Coordinate		589039		
Y Coordinate		933139		
Survey Date		14 th July 2017		
Surveyor		Andrew Torsney		
		· · · · · · · · · · · · · · · · · · ·		
Substrate		Sand		
Stability		Soft		
Substrate Depth (cm)				
Slope Degrees		-		
Aspect		-		
Water Table Depth (cm)	Tidal			
Comments on Hydrology	None			
,				
Quadrat Management	None			
Adjacent Landuse	Amer	nity use and recreation		
Grazing Comments	None	•		
General Faunal Observations				
None				
Structured Quadrat Cover Value	s (%)			
Total Vegetation Cover	0	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	0	Bare Peat/Soil Cover	100	1
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	-	Height Shrub Layer (cm) -	
Height Tree Layer (m)	-	Height Herb Layer (cm)	-	
Species Latin Name	Species E	nglish Name	Species co (Domin)	over

Cé Mhachaire Uí Rabhartaigh		Site & Quadrat Numb	er: E	EP1	TMR-Q5
Quadrat Description					
Sandy beach leading out to the peninsul	а				
Quadrat Comments					
None					
Habitat Type					
LS2 Sandy Shores					
Quadrat Type					
Core Movement Area					
Quadrat Type Comment None					
Quadrat Number			1	rmr-c	25
X Coordinate		589126			
Y Coordinate		933132			
Survey Date		14 th July 2017			
Surveyor		Andrew Torsney			
Substrate		Sand			
Stability		Soft			
Substrate Depth (cm)					
Slope Degrees		-			
Aspect		-			
Water Table Depth (cm)	Tidal				
Comments on Hydrology	None	2			
Quadrat Management	None				
Adjacent Landuse		nity use and recreation			
Grazing Comments	None				
General Faunal Observations None					
Structured Quadrat Cover Values (%	-				
Total Vegetation Cover	0	Litter Cover	C		
Tree Cover	0	Algae Cover	(
Shrub Cover	0	Rock Cover	(
Herb Grass Cover	0	Bare Peat/Soil Cover		100	
Bryophyte Cover	0	Open Water Cover	()	
Height of Vegetation (cm)	-	Height Shrub Layer (cm)) -		
Height Tree Layer (m)	-	Height Herb Layer (cm)	-		
Species Latin Name Species	ecies E	nglish Name	Species (Domin		er

Cé Mhachaire Uí Rabhartaigh		Site & Quadrat Numb	er: EP	1 TMR-Q6
Quadrat Description				
Sandy beach leading out to the peninsula	а			
Quadrat Comments				
None				
Habitat Type				
LS2 Sandy Shores				
Quadrat Type				
Core Movement Area				
Quadrat Type Comment None				
Quadrat Number			TM	IR-Q6
X Coordinate		589218		
Y Coordinate		933139		
Survey Date		14 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Sand		
Stability		Soft		
Substrate Depth (cm)				
Slope Degrees		-		
Aspect		-		
Water Table Depth (cm)	Tidal			
Comments on Hydrology	None			
Quadrat Management	None			
Adjacent Landuse		nity use and recreation		
Grazing Comments	None			
General Faunal Observations None				
Structured Quadrat Cover Values (%	-			
Total Vegetation Cover	0	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	2
Herb Grass Cover	0	Bare Peat/Soil Cover	10	U
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	-	Height Shrub Layer (cm)) -	
Height Tree Layer (m)	-	Height Herb Layer (cm)	-	
Species Latin Name Spec	ecies Er	nglish Name	Species c (Domin)	over

Cé Mhachaire Uí Rabhartaigh	Site & Quadrat N	lumber: EP1 TMR-Q7
Quadrat Description		
Dune adjacent to the desire line pa	th, with 6-spot burnet moth prese	ent
Quadrat Comments		
None		
Habitat Type		
CD2 Marram Dunes		
Quadrat Type Core Movement Area		
Quadrat Type Comment		
None		
Quadrat Number		TMR-Q7
X Coordinate	589029	
Y Coordinate	933113	
Survey Date	14 th July 2017	
Surveyor	Andrew Torsney	
Substrate	Sand	
Stability	Soft	
Substrate Depth (cm)	_	
Slope Degrees	5	
Aspect	W	
Water Table Depth (cm)	Below Surface	
Comments on Hydrology	None	
Quadrat Management	None	
Adjacent Landuse	Amenity use and recreation	on
Grazing Comments	None	
General Faunal Observations		
6 Spot Burnet Moth	(0/)	
Structured Quadrat Cover Valu Total Vegetation Cover	100 Litter Cover	0
Tree Cover	0 Algae Cover	0
Shrub Cover	0 Rock Cover	0
Herb Grass Cover	100 Bare Peat/Soil Cove	
Bryophyte Cover	0 Open Water Cover	
	•	
Height of Vegetation (cm)	100 Height Shrub Laye	
Height Tree Layer (m)	- Height Herb Layer	(cm) 100
Species Latin Name	Species English Name	Species cover (Domin)
Ammophila arenaria	Marram Grass	8
Jacobaea vulgaris	Ragwort	5

Cé Mhachaire Uí Rabhartaigh	Site & Quadrat Nu	mber: EP	1 TMR-Q8
Quadrat Description			
Dune adjacent to the desire line pa	th, with 6-spot burnet moth presen	t	
Quadrat Comments			
None			
Habitat Type			
CD2 Marram Dunes			
Quadrat Type			
Core Movement Area			
Quadrat Type Comment None			
Quadrat Number		TM	R-Q8
X Coordinate	589102		
Y Coordinate	933104		
Survey Date	14 th July 2017		
Surveyor	Andrew Torsney		
Substrate	Sand		
Stability	Soft		
Substrate Depth (cm)			
Slope Degrees	15		
Aspect	E		
Water Table Depth (cm)	Below Surface		
Comments on Hydrology	None		
Quadrat Management	None		
Adjacent Landuse	Amenity use and recreation	ו	
Grazing Comments	None		
General Faunal Observations			
6 Spot Burnet Moth	ac (%)		
Structured Quadrat Cover Valu Total Vegetation Cover	100 Litter Cover	0	
Tree Cover	0 Algae Cover	0	
Shrub Cover	0 Rock Cover	0	
Herb Grass Cover	100 Bare Peat/Soil Cover		
Bryophyte Cover	0 Open Water Cover	0	
· · · ·	•		
Height of Vegetation (cm)	100 Height Shrub Layer		
Height Tree Layer (m)	- Height Herb Layer (o	cm) 100)
Species Latin Name	Species English Name	Species c (Domin)	over
Ammophila arenaria	Marram Grass	8	
Jacobaea vulgaris	Ragwort	5	

Cé Mhachaire Uí Rabhartaigh		Site & Quadrat Numb	ber: E	Ρ1	TMR-Q9
Quadrat Description					
Machair habitat at the base of the	dunes, adjace	ent to the type marked de	sire lines.		
Quadrat Comments	-				
None					
Habitat Type					
CD6 Machair					
Quadrat Type					
Tertiary Movement Area					
Quadrat Type Comment					
None					
Quadrat Number			Т	MR-C	29
X Coordinate		589376			
Y Coordinate		933011			
Survey Date		14 th July 2017			
Surveyor		Andrew Torsney			
Substrate		Soil/Sand			
Stability		Moderate			
Substrate Depth (cm)					
Slope Degrees		5			
Aspect		E			
Water Table Depth (cm)	Belo	w Surface			
Comments on Hydrology	None	9			
Quadrat Management	None	9			
Adjacent Landuse		nity use and recreation			
Grazing Comments	None	e			
General Faunal Observations					
None Structured Quadrat Cover Valu	ies (%)				
Total Vegetation Cover	85	Litter Cover	0		
Tree Cover	0	Algae Cover	0		
Shrub Cover	0	Rock Cover	0		
Herb Grass Cover	85	Bare Peat/Soil Cover	1	5	
Bryophyte Cover	0	Open Water Cover	0		
Height of Vegetation (cm)	20	Height Shrub Layer (cm			
Height Tree Layer (m)	-	Height Herb Layer (cm)	2	0	
Species Latin Name	Species E	nglish Name	Species (Domin)		er
Galium verum	Lady's bed	straw	6		
Prunella vulgaris	Self-Heal		6		
Festuca rubra	Red Fescue	9	5		

Cé Mhachaire Uí Rabhartaigh		Site & Quadrat Numb	er:	EP1	TMR-Q10
Quadrat Description					
Dune system along the beach. Mild	evidence of t	rampling but no defined	desire l	ine pre	sent.
Quadrat Comments					
None					
Habitat Type					
CD3 Fixed Dunes					
Quadrat Type					
Tertiary Movement Zone					
Quadrat Type Comment None					
NOTE					
Quadrat Number				TMR-	Q10
X Coordinate		589802			
Y Coordinate		933179			
Survey Date		14 th July 2017			
Surveyor		Andrew Torsney			
Substrate		Sand			
Stability		Soft			
Substrate Depth (cm)					
Slope Degrees		5			
Aspect		W			
Water Table Depth (cm)	Belov	v the surface			
Comments on Hydrology	None				
Quadrat Management	Beac	h management, lifeguard	patrol		
Adjacent Landuse		nity and recreation			
Grazing Comments	None				
General Faunal Observations					
None					
Structured Quadrat Cover Valu		Litter Cover		0	
Total Vegetation Cover Tree Cover	100 0	Litter Cover Algae Cover		0 0	
Shrub Cover	0	Rock Cover		0	
Herb Grass Cover	100	Bare Peat/Soil Cover		0	
Bryophyte Cover	0	Open Water Cover		0	
Height of Vegetation (cm)	50-	Height Shrub Layer (cm)	0	
	100	Tayer Ull)	U	
Height Tree Layer (m)	0	Height Herb Layer (cm)		50-10	0
Species Latin Name	Species Er	nglish Name	Specie	es cov	er (Domin)
Festuca rubra	Red fescue		8		
Hypochaeris radicata	Cats ear		4		
Arrhenatherum elatius	Oat grass		2		
Agrostis spp.	Bent Grass		6		

Cé Mhachaire Uí Rabhartaigh		Site & Quadrat Numb	er: EP1 TM	R-Q11
Quadrat Description				
Cobble beach to the west of the pie	er. No visitor	activity was recorded.		
Quadrat Comments				
None				
Habitat Type				
LS1 Shingle and Gravel Shores				
Quadrat Type				
Tertiary Movement Zone				
Quadrat Type Comment None				
Quadrat Number			TMR-Q11	
X Coordinate		588851		
Y Coordinate		933309		
Survey Date		14 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Cobbles		
Stability		Loose		
Substrate Depth (cm)		_		
Slope Degrees		0		
Aspect		-		
Water Table Depth (cm)	Tida			
Comments on Hydrology	Tida			
Quadrat Management		/ port management adjace	ent	
Adjacent Landuse		/ port, car park, and café.		
Grazing Comments	None	2		
General Faunal Observations				
None Structured Quadrat Cover Value	es (%)			
Total Vegetation Cover	0	Litter Cover	0	
Tree Cover	ů 0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	0	Bare Peat/Soil Cover	100	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	-	Height Shrub Layer (cm) -	
Height Tree Layer (m)	-	Height Herb Layer (cm)	-	
Species Latin Name	Species E	nglish Name	Species cover (omin

Inch Island		Site & Quadrat Numb	er: 10	Inch-Q1
Quadrat Description				
Marshland through the fence adja	acent to the ca	arpark. Access is not restr	ricted to this	area but it is
also not advertised. There is a mo	wn strip throu	gh the centre as a sacrific	cial managed	l zone.
Quadrat Comments				
None				
Habitat Type				
GM1 Marsh				
Quadrat Type				
Secondary Movement Zone				
Quadrat Type Comment				
None				
Quadrat Number			Inch	1-Q1
X Coordinate		634840		
Y Coordinate		923024		
Survey Date		12 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Soil		
Stability		Loose		
Substrate Depth (cm)				
Slope Degrees		0		
Aspect		-		
Water Table Depth (cm)	Mars	hy		
Comments on Hydrology	Just	below surface and water	table is char	igeable.
Quadrat Management	None	2		
Adjacent Landuse		n walkway in the centre c	of the marsh	
Grazing Comments	None	2		
General Faunal Observations None				
Structured Quadrat Cover Val	ues (%)			
Total Vegetation Cover	100	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	0	Rock Cover	0	
Herb Grass Cover	100	Bare Peat/Soil Cover	0	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)	50	Height Shrub Layer (cm) -	
Height Tree Layer (m)	-	Height Herb Layer (cm)		
Species Latin Name	Species E	nglish Name		ver (Domin)
Iris pseudacorus	Yellow Iris		5	
Hypochaeris radicata	Catsear		8	
Filipendula ulmaria	Meadowsw	eet	3	
Agrostis spp.	Bent Grass		2	
Myosotis spp.	Forget me	not	4	

Inch Island		Site & Quadrat Numb	er: 10	Inch-Q2
Quadrat Description				
Marshland through the fence adj	acent to the car	park. Access is not restri	cted to this	area but it is
also not advertised. There is a m	own strip throug	h the centre as a sacrifici	ial managed	zone.
Quadrat Comments				
None				
Habitat Type				
GS4 Wet Grassland				
Quadrat Type				
Secondary Movement Zone				
Quadrat Type Comment				
None				
Quadrat Number			Inch	-Q2
X Coordinate		634970		
Y Coordinate		922991		
Survey Date		12 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Soil		
Stability		Loose		
Substrate Depth (cm)				
Slope Degrees		0		
Aspect		-		
Water Table Depth (cm)	Marsh	y		
Comments on Hydrology	Just b	elow surface and water t	able is chan	geable.
Quadrat Management	None			
Adjacent Landuse		walkway in the centre of	f the marsh	
Grazing Comments	None			
General Faunal Observations None				
Structured Quadrat Cover Va				
Total Vegetation Cover		Litter Cover	0	
Tree Cover		Algae Cover	0	
Shrub Cover		Rock Cover	0	
Herb Grass Cover		Bare Peat/Soil Cover	0	
Bryophyte Cover	0	Open Water Cover	0	
Height of Vegetation (cm)		Height Shrub Layer (cm)		
Height Tree Layer (m)	-	Height Herb Layer (cm)	50	
Species Latin Name	Species En			ver (Domin)
Iris pseudacorus	Yellow Iris		5	
Agrostis stolonifera	Creeping ber		7	
Juncus spp.	Reeds		6	
Filipendula ulmaria	Meadowswee		3	
Anthyllis vulneraria	Kidney Vetch		6	

Inch Island	Site & Quadrat Nur	nber:	10	Inch-Q3
	cent to the carpark. Access is not re wn strip through the centre as a sacri			
Quadrat Number			Inch	-Q3
X Coordinate Y Coordinate Survey Date Surveyor Substrate	634670 923061 12 th July 2017 Andrew Torsney Soil			
Stability Substrate Depth (cm) Slope Degrees Aspect	Loose 0 -			
Water Table Depth (cm)	Wet but below surface			
Comments on Hydrology	Below surface and water tak	ole is cha	ingeab	le.
Quadrat Management Adjacent Landuse Grazing Comments General Faunal Observations None	None Mown walkway in the centre None	e of the r	narsh	
Structured Quadrat Cover Valu				
Total Vegetation Cover Tree Cover Shrub Cover	100 Litter Cover 0 Algae Cover 0 Rock Cover		0 0 0	
Herb Grass Cover Bryophyte Cover	100 Bare Peat/Soil Cover0 Open Water Cover		0 0	
Height of Vegetation (cm) Height Tree Layer (m)	50 Height Shrub Layer (c - Height Herb Layer (cr		- 50	
Species Latin Name	Species English Name		ies co	ver (Domin)
Iris pseudacorus	Yellow Iris	4		
Dactylorhiza praetermissa	Marsh Orchid	4		
Filipendula ulmaria	Meadowsweet	5		
Agrostis spp.	Bent Grass	6		
Cirsium palustre	Marsh Thistle	4		
Angelica sylvestris	Wild Angelica	4		
Lychnis flos-cuculi	Ragged Robin	4		
Comarum palustre	Marsh Cinquefoil	6		
Equisetum spp.	Horsetail	6		

Inch Island	Site & Quadra	at Number:	10	Inch-Q4
Quadrat Description				
Marshland through the fence adjac				
also not advertised. There is a mov	n strip through the centre as	a sacrificial ma	anaged	zone.
Quadrat Comments				
None				
Habitat Type				
GS4 Wet Grassland				
Quadrat Type				
Secondary Movement Zone				
Quadrat Type Comment				
None				
Quadrat Number			Inch	-Q4
X Coordinate	634604			
Y Coordinate	923153			
Survey Date	12 th July 2017			
Surveyor	Andrew Torsne	У		
Substrate	Soil			
Stability	Loose			
Substrate Depth (cm)				
Slope Degrees	0			
Aspect	-			
Water Table Depth (cm)	Wet but below surface	e		
Comments on Hydrology	Below surface and wa	iter table is cha	angeab	le.
Quadrat Management	None			
Adjacent Landuse	Mown walkway in the	centre of the	marsh	
Grazing Comments	None			
General Faunal Observations None				
Structured Quadrat Cover Valu			•	
Total Vegetation Cover	100 Litter Cover		0	
Tree Cover	0 Algae Cover		0	
Shrub Cover	0 Rock Cover 100 Bare Peat/Soil (Covor	0	
Herb Grass Cover			0	
Bryophyte Cover	0 Open Water Co	WEI	0	
Height of Vegetation (cm)	50 Height Shrub L		-	
Height Tree Layer (m)	- Height Herb La	yer (cm)	50	
Species Latin Name	Species English Name		cies co	ver (Domin
Agrostis spp.	Bent Grass	<u> </u>		
Cirsium palustre	Marsh Thistle			
Angelica sylvestris	Wild Angelica	7		
Lychnis flos-cuculi	Ragged Robin	7		
Comarum palustre	Marsh Cinquefoil	3		
Equisetum spp.	Horsetail	2		

Inch Island		Site & Quadrat Numb	er: 10	Inch-Q5
Quadrat Description Scrub lined walkway bridge connect	ting off site ca	rpark. Bird hide on the rec	eiving end of	the walkway.
Quadrat Comments	5		5	,
N/A				
Habitat Type				
BL3/WS1 Scrub				
Quadrat Type				
Core Movement Area				
Quadrat Type Comment				
None				
Quadrat Number			Inch	-Q5
X Coordinate		633883		
Y Coordinate		922603		
Survey Date		12 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Soil		
Stability		Firm		
Substrate Depth (cm)				
Slope Degrees		5		
Aspect		Ν		
Water Table Depth (cm)	Belov	w the surface		
Comments on Hydrology	None	2		
Quadrat Management	Mana	aged walkway and viewing	point	
Adjacent Landuse	Visito	or amenity and recreation		
Grazing Comments	None	e at this location		
General Faunal Observations				
None				
Structured Quadrat Cover Valu				
Total Vegetation Cover	100	Litter Cover	0	
Tree Cover	0	Algae Cover	0	
Shrub Cover	100	Rock Cover	0	
Herb Grass Cover Bryophyte Cover	30 0	Bare Peat/Soil Cover Open Water Cover	0 0	
Bryophyte Cover	0	Open water Cover	0	
Height of Vegetation (cm)	30-	Height Shrub Layer (cm)) 200	
	200		~~	
Height Tree Layer (m)	-	Height Herb Layer (cm)	30	
Species Latin Name				ver (Domin)
Rubus fruticosus	Brambles		8	
Ulex Ulex	Gorse		6	
Pteridium aquilinum	Bracken		7	
Rosa rubiginosa	Dogs Rose		5	
Convolvulus arvensis	Field bindw	eed	3	

Inch Island		Site & Quadrat Numb	er: 10	Inch-Q6
Quadrat Description Scrub lined walkway bridge connection	cting off site ca	rpark. Bird hide on the reco	eiving end of	the walkway.
Quadrat Comments	j		j	
N/A				
Habitat Type				
BL3/WS1 Scrub				
Quadrat Type				
Core Movement Area				
Quadrat Type Comment				
None				
Quadrat Number			Inch	-Q6
X Coordinate		633809		
Y Coordinate		922469		
Survey Date		12 th July 2017		
Surveyor		Andrew Torsney		
Substrate		Soil		
Stability		Firm		
Substrate Depth (cm)				
Slope Degrees		5		
Aspect		Ν		
Water Table Depth (cm)	Belov	w the surface		
Comments on Hydrology	None	2		
Quadrat Management	Mana	aged walkway and viewing	point	
Adjacent Landuse		or amenity and recreation		
Grazing Comments	None	e at this location		
General Faunal Observations				
None	()			
Structured Quadrat Cover Val			0	
Total Vegetation Cover	100	Litter Cover	0	
Tree Cover Shrub Cover	0 100	Algae Cover Rock Cover	0	
Herb Grass Cover	30	Bare Peat/Soil Cover	0 0	
Bryophyte Cover	0	Open Water Cover	0	
	0		U	
Height of Vegetation (cm)	30-	Height Shrub Layer (cm)) 200	
	200	- , , , ,		
Height Tree Layer (m)	-	Height Herb Layer (cm)	30	
Species Latin Name				ver (Domin)
Rubus fruticosus	Brambles		8	
Ulex Ulex	Gorse		5	
Pteridium aquilinum	Bracken		7	
Rosa rubiginosa	Dogs Rose		3	
Convolvulus arvensis	Field bindw	eed	6	

Inch Island		Site & Quadrat Numb	er: 10 Inch-Q7
Quadrat Description			
Cobble beach to the west of the so	uthern acces	ss bridge.	
Quadrat Comments			
None			
Habitat Type			
LS1 Shingle and Gravel Shores			
Quadrat Type			
Tertiary Movement Zone			
Quadrat Type Comment None			
Quadrat Number			Inch-Q7
X Coordinate		633624	
Y Coordinate		922744	
Survey Date		12 th July 2017	
Surveyor		Andrew Torsney	
Substrate		Cobbles	
Stability		Loose	
Substrate Depth (cm)			
Slope Degrees		0	
Aspect		-	
Water Table Depth (cm)	Tida		
Comments on Hydrology	Tida		
Quadrat Management	Nor		
Adjacent Landuse		Watching and Amenity	
Grazing Comments	Nor	e	
General Faunal Observations None			
Structured Quadrat Cover Valu	es (%)		
Total Vegetation Cover	0	Litter Cover	0
Tree Cover	0	Algae Cover	0
Shrub Cover	0	Rock Cover	0
Herb Grass Cover	0	Bare Peat/Soil Cover	100
Bryophyte Cover	0	Open Water Cover	0
Height of Vegetation (cm)	-	Height Shrub Layer (cm)) -
Height Tree Layer (m)	-	Height Herb Layer (cm)	-
Species Latin Name	Species I	English Name	Species cover (Domi

Inch Island		Site & Quadrat Numb	er: 10 Inch-Q8
Quadrat Description			
Cobble beach to the west of the se	outhern acces	ss bridge.	
Quadrat Comments			
None			
Habitat Type			
LS1 Shingle and Gravel Shores Quadrat Type			
Tertiary Movement Zone			
Quadrat Type Comment			
None			
Quadrat Number			Inch-Q8
X Coordinate		633758	
Y Coordinate		922680	
Survey Date		12 th July 2017	
Surveyor		Andrew Torsney	
Substrate		Cobbles	
Stability		Loose	
Substrate Depth (cm)			
Slope Degrees		0	
Aspect		-	
Water Table Depth (cm)	Tida		
Comments on Hydrology	Tida	al	
Quadrat Management	Non		
Adjacent Landuse		Watching and Amenity	
Grazing Comments	Non	e	
General Faunal Observations None			
Structured Quadrat Cover Valu	ues (%)		
Total Vegetation Cover	0	Litter Cover	0
Tree Cover	0	Algae Cover	0
Shrub Cover	0	Rock Cover	0
Herb Grass Cover	0	Bare Peat/Soil Cover	100
Bryophyte Cover	0	Open Water Cover	0
Height of Vegetation (cm)	-	Height Shrub Layer (cm)) -
Height Tree Layer (m)	-	Height Herb Layer (cm)	-
Species Latin Name	Species E	English Name	Species cover (Domin