

Site 20 – Rinclevan

Site description

Rinclevan is a large site located approximately 1.5 km west of Dunfanaghy, north Donegal, at the base of Horn Head. The majority of the site lies between the headland Dooros Point in the south and Marfagh in the north. An additional area of ***21A0 Machairs** habitat is found to the north, between Pollaguill and Cloghernagh. Two beaches are found adjacent to the site - Tramore Strand adjacent to the larger section of the site, and a small beach at Pollaguill Bay where the smaller section is situated. A large lake, New Lake, forms a boundary with the south-eastern edge of the site. New Lake was formed in the 1920s when sand cut off the entrance to the inlet near Dunfanaghy (Ryle *et al.*, 2009). The site forms part of the Horn Head and Rinclevan SAC (SAC 000147) and of the Horn Head to Fanad Head SPA (SPA 004194). All the sub-sites are within the SAC boundary.

Based on the currently available mapping, nine coastal Annex I habitats occur within Horn Head and Rinclevan SAC, six of which are listed as Qualifying Interests (Table 1).

Table 1. Annex I habitats present at Horn Head and Rinclevan SAC, the area they occupy (based on the most recent mapped available) and status as a Qualifying Interest of the SAC. An asterisk denotes a priority Annex I habitat and habitats that were not the target of this survey are excluded.

Habitat Code	Area (ha)	Qualifying Interest?
1210 Drift line vegetation	0.109	No
1330 Atlantic salt meadows	4.651	No
1410 Mediterranean saltmarsh	2.407	No
2110 Embryonic shifting dunes	0.025	Yes
2120 Marram dunes (white dunes)	4.348	Yes
*2130 Fixed dunes (grey dunes)	261.800	Yes
2170 Dunes with creeping willow	9.821	Yes
2190 Humid dune slacks	41.617	Yes
*21A0 Machairs	55.725	Yes

Although the site is found in a very scenic area, the main land use for much of the site is for agriculture (grazing). The northern part of the main dune system, at Corgannive Glebe is owned by NPWS. There are some tracks and paths, but the site is not intensively used for recreation.

Habitat losses were recorded due to building of houses, conversion to woodland and natural succession (Table 2).

Table 2. Habitat loss recorded during the desk and field surveys in hectares.

Habitat	Within SAC?	Loss (ha)	Impact code	New habitat
*2130	Yes	0.288	PB01	(Mixed) conifer woodland (WD3)
*2130	No	0.135	PE01	Buildings and artificial surfaces (BL3)
*2130	Yes	0.404	PI02	Ornamental/non-native shrub (WS3)
2190	Yes	1.813	PM07	Reed and large sedge swamps (FS1)

Conservation assessments were carried out within one sub-site occupying a total area of 376 ha ([Table 3](#)**Error! Reference source not found.**). Four habitats (**1210 Drift line vegetation, 2170 Dunes with creeping willow, 2190 Humid dune slacks and *21A0 Machairs**) were in Favourable condition, one was not assessed (**2110 Embryonic shifting dunes**) and the remainder were in Unfavourable condition, mainly due to offroad driving and walking.

Table 3. Summary of Conservation Status for all habitats assessed at Rinclevan.

Subsite	Habitat	Area	Structure and Functions	Future Prospects	Overall assessment
20.01 Rinclevan dunes	1210	Favourable (NA)	Favourable (NA)	Favourable	Favourable (NA)
20.01 Rinclevan dunes	2110	Favourable (NA)	NA (NA)	Favourable	NA (NA)
20.01 Rinclevan dunes	2120	Favourable (stable)	Favourable (stable)	Unfavourable - Inadequate	Unfavourable - Inadequate (deteriorating)
20.01 Rinclevan dunes	*2130	Unfavourable - Inadequate (decreasing)	Unfavourable - Inadequate (stable)	Unfavourable - Inadequate	Unfavourable - Inadequate (stable)
20.01 Rinclevan dunes	2170	Favourable (stable)	Favourable (increasing)	Favourable	Favourable (improving)
20.01 Rinclevan dunes	2190	Favourable (stable)	Favourable (stable)	Favourable	Favourable (stable)
20.01 Rinclevan dunes	*21A0	Favourable (stable)	Favourable (increasing)	Favourable	Favourable (improving)

Sub-site 1. Rinclevan dunes

Summary Information

Survey Date: 06-10 July 2022

Water Framework Directive Waterbody: not applicable

Previous survey identifiers: CMP162

Current survey details:

Table 4: Current survey details for Annex I habitats at Rinclevan dunes

Habitat Code	Area	Monitoring stops
1210 Drift line vegetation	0.109	2
2110 Embryonic shifting dunes	0.025	0
2120 Marram dunes (white dunes)	4.348	8
*2130 Fixed dunes (grey dunes)	261.800	16
2170 Dunes with creeping willow	9.821	8
2190 Humid dune slacks	41.617	12
*21A0 Machairs	55.725	13

1210 Drift line vegetation

Area

During CHNW21 0.109 ha of **1210 Drift line vegetation** has been recorded for the first time. This is consistent with an Area assessment of Favourable. The trend is not applicable.

Structure and Functions

One criterion failed in the Structure and Functions assessment: only one species (*Cakile maritima*) was recorded with a frequency of 100% of the stops, while the threshold requires that another species occurs with a frequency of more than 20% of stops. Anyway, this criterion was passed by expert judgement. The Structure and Functions were therefore assessed as Favourable. The trend is not applicable.

Future Prospects

No impacts were recorded. Future Prospects were therefore assessed as Favourable, and the trend was not applicable.

Conservation assessment

The conservation status assessments of the three parameters are as follows:

- Area: Favourable (NA)
- Structure and Functions: Favourable (NA)
- Future Prospects: Favourable (NA)

Since all three parameters were assessed as Favourable, the overall conservation assessment for **1210 Drift line vegetation** at 20.01 Rinclevan dunes was Favourable and the trend was not applicable.

Overall Conservation Status: Favourable (NA)

Condition of the habitat by area

No second positive indicator species recorded in several polygons of the habitat led to consider in poor condition about 10% of the habitat's area. The remaining 90% was considered to be in good condition.

2110 Embryonic shifting dunes

Area

During CHNW21 0.025 ha of **2110 Embryonic shifting dunes** has been recorded for the first time. This is consistent with an Area assessment of Favourable. The trend is not applicable.

Structure and Functions

No monitoring stops were recorded for this habitat and so no Structure and Functions assessment was carried out for **2110 Embryonic shifting dunes**, because the habitat area was below the minimum threshold.

Future Prospects

No impacts were recorded. Future Prospects were therefore assessed as Favourable, and the trend was not applicable.

Conservation assessment

The conservation status assessments of the three parameters are as follows:

- Area: Favourable (NA)
- Structure and Functions: not assessed (NA)
- Future Prospects: Favourable (NA)

Since Structure and Functions were not assessed, the overall conservation assessment for **2110 Embryonic shifting dunes** at 20.01 Rinclevan dunes was not assessed.

Overall Conservation Status: not assessed (NA)

Condition of the habitat by area

The condition of the habitat was not assessed.

2120 Marram dunes (white dunes)

Area

The area of **2120 Marram dunes (white dunes)** increased from 4.08 ha to 4.35 ha since SDM. This was mainly due to natural succession and there was no sign of anthropogenic causes. This is consistent with an Area assessment of Favourable and the trend of the area is stable.

Structure and Functions

No criteria failed in the Structure and Functions assessment: the Structure and Functions were therefore assessed as Favourable. Since **2120 Marram dunes (white dunes)** was assessed as Favourable during SDM, the trend is therefore stable.

Future Prospects

Erosion and walking were recorded as neutral impacts during SDM. During CHNW21, medium-intensity negative impacts included walking and trampling, presence of footpath and deposition of waste. There were access points to the beach, however their extent was limited and they were not affecting the structural integrity of the habitat. Future Prospects were therefore assessed as Unfavourable - Inadequate and the trend was assessed as decreasing.

Conservation assessment

The conservation status assessments of the three parameters are as follows:

- Area: Favourable (stable)
- Structure and Functions: Favourable (stable)
- Future Prospects: Unfavourable - Inadequate (decreasing)

Since at least one of the three parameters was assessed as Unfavourable - Inadequate, the overall conservation assessment for **2120 Marram dunes (white dunes)** at 20.01 Rinclevan dunes was Unfavourable - Inadequate and the trend is deteriorating.

Overall Conservation Status: Unfavourable - Inadequate (deteriorating)

Condition of the habitat by area

Impacts like walking affected about 5% of the habitat's area, which was considered to be in poor condition. The remaining 95% was considered to be in good condition.

*2130 Fixed dunes (grey dunes)

Area

The area of ***2130 Fixed dunes (grey dunes)** decreased from 277.96 ha to 261.80 ha between SDM and CHNW21. This decrease was due to anthropogenic causes (housing) for 0.1% of the habitat's area only, while rabbits (grazing and erosion) and encroachment by *Hippophaë rhamnoides* caused the rest of the loss. This is consistent with an Area assessment of Unfavourable - Inadequate. Since the SDM assessment was Favourable, therefore the trend of the area is decreasing.

Structure and Functions

Only one criterion failed in the Structure and Functions assessment, related to the height of the vegetation. In fact, an average height between 2 and 10 cm was recorded in 0% of stops, while the threshold is 30-70%. As this criterion failed, the Structure and Functions were Unfavourable - Inadequate. The Structure and Functions was assessed as Unfavourable - Inadequate during SDM, the trend is therefore stable.

Future Prospects

High-intensity negative impacts recorded at Rinclevan included offroad driving, walking, trampling, storage of building materials, dumping and rabbit damage. Most of the negative impacts were localized in the south of the site. Undergrazing was recorded for most of the habitat (affecting about 80% of the habitat's area), but it increased habitat structural diversity and had not yet resulted in scrub encroachment. Part of the habitat close to the access point at Hornhead Bridge was managed as intensive sheep pasture and ruderal species were found here (affecting about 9% of the habitat's area). Due to the above mentioned negative impacts, particularly overgrazing and offroad driving, Future Prospects were therefore assessed as Unfavourable – Inadequate.

Conservation assessment

The conservation status assessments of the three parameters are as follows:

- Area: Unfavourable - Inadequate (decreasing)
- Structure and Functions: Unfavourable - Inadequate (stable)
- Future Prospects: Unfavourable - Inadequate (decreasing)

Since all three parameters were assessed as Unfavourable - Inadequate, the overall conservation assessment for ***2130 Fixed dunes (grey dunes)** at 20.01 Rinclevan dunes was therefore Unfavourable - Inadequate. Since the overall assessment was Unfavourable - Inadequate (stable) in the SDM report, the trend is therefore stable.

Overall Conservation Status: Unfavourable - Inadequate (stable)

Condition of the habitat by area

Considering that about 15% of ***2130 Fixed dunes (grey dunes)** was affected by several impacts (mainly over grazing and offroad driving), this area was considered to be in poor condition. The remaining 85% of the habitat was considered to be in good condition.

2170 Dunes with creeping willow

Area

The area of **2170 Dunes with creeping willow** increased from 9.04 ha to 9.82 ha between SDM and CHNW21. There was no indication of change due to human activities. This increase was the result of a different and more detailed mapping technique. This is consistent with an Area assessment of Favourable (stable). Anyway, just to dispel any doubts, it would be advisable to provide for special investigations into the phenomena of raising and lowering of the surface water table that could be the cause of changes in habitat distribution (2170 and 2190).

Structure and Functions

No criteria failed in the Structure and Functions assessment, the Structure and Functions were therefore assessed as Favourable. Since **2170 Dunes with creeping willow** was assessed as Unfavourable - Inadequate in 2013, the trend is therefore increasing.

Future Prospects

No negative impacts were recorded. Fencing, low intensity grazing and walking on designated paths and tracks were recorded as medium-intensity neutral impacts. Future Prospects were therefore assessed as Favourable, and the trend was assessed as increasing.

Conservation assessment

The conservation status assessments of the three parameters are as follows:

- Area: Favourable (stable)
- Structure and Functions: Favourable (Increasing)
- Future Prospects: Favourable (Increasing)

Since all three parameters were assessed as Favourable, the overall conservation assessment for **2170 Dunes with creeping willow** at 20.01 Rinclevan dunes was Favourable. Since the overall assessment was Unfavourable - Inadequate in the previous report, the trend is therefore improving.

Overall Conservation Status: Favourable (improving)

Condition of the habitat by area

100% of the habitat was considered to be in good condition.

2190 Humid dune slacks

Area

The area of **2190 Humid dune slacks** decreased from 42.57 ha to 41.62 ha between SDM and CHNW21. This decrease was the result of a different and more detailed mapping technique, but also of the natural succession to reed beds recorded over 1.81 hectares of the habitat's area. This is consistent with an Area assessment of Favourable with a stable trend. Anyway, just to dispel any doubts, it would be advisable to provide for special investigations into the phenomena of raising and lowering of the surface water table that could be the cause of changes in habitat distribution (**2170 Dunes with creeping willow** and **2190 Humid dune slacks**).

Structure and Functions

No criteria failed in the Structure and Functions assessment, the Structure and Functions were therefore assessed as Favourable. Since **2190 Humid dune slacks** was assessed as Favourable during SDM, the trend is therefore stable.

Future Prospects

The habitat was managed as horse and cattle pasture. There were fences to control movement of stock and a track used by walkers, but it has not resulted in erosion of the vegetation. Trampling was recorded as

medium-intensity neutral impact that affected 3.31 ha of the habitat's area. Future Prospects were therefore assessed as Favourable, and the trend was assessed as stable.

Conservation assessment

The conservation status assessments of the three parameters are as follows:

- Area: Favourable (stable)
- Structure and Functions: Favourable (stable)
- Future Prospects: Favourable (stable)

Since all three parameters were assessed as Favourable, the overall conservation assessment for **2190 Humid dune slacks** at 20.01 Rinclevan dunes was Favourable. Since the overall assessment was Favourable during SDM, the trend is therefore stable.

Overall Conservation Status: Favourable (stable)

Condition of the habitat by area

100% of the habitat was considered to be in good condition.

**21A0 Machairs*

Area

The area of ***21A0 Machairs** increased from 41.42 ha to 55.72 ha between SDM and CHNW21. There was no indication of habitat loss due to human activities. This increase was the result of the reclassification of an area previously mapped as ***2130 Fixed dunes (grey dunes)** on the north-eastern part of the fixed dunes system. This is consistent with an Area assessment of Favourable and the trend is stable.

Structure and Functions

No criteria failed in the Structure and Functions assessment, the Structure and Functions were therefore assessed as Favourable. Since ***21A0 Machairs** was assessed as Unfavourable - Inadequate during SDM, the trend is therefore increasing.

Future Prospects

Offroad driving and erosion caused by rabbits were recorded as negative impacts in the ***21A0 Machairs**. Although the habitat benefits from non-intensive grazing, this was slightly higher than optimal. Future Prospects were therefore assessed as Favourable, and the trend was assessed as increasing.

Conservation assessment

The conservation status assessments of the three parameters are as follows:

- Area: Favourable (stable)
- Structure and Functions: Favourable (increasing)
- Future Prospects: Favourable (increasing)

Since all three parameters were assessed as Favourable, the overall conservation assessment for ***21A0 Machairs** at 20.01 Rinclevan dunes was Favourable. Since the overall assessment was Unfavourable - Inadequate (stable) during SDM, the trend is therefore improving.

Overall Conservation Status: Favourable (improving)

Condition of the habitat by area

Overgrazing and walking were affecting only 5% of ***21A0 Machairs**, so this area was considered to be in poor condition. The remaining 95% of the habitat was considered to be in good condition.

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Appendix 1. Area

Total habitat area recorded during reporting cycles to date.

Habitat	2007	2013	2019	2025
1210	0.000	0.000	NS	0.109
2110	0.000	0.000	NS	0.025
2120	5.740	4.080	NS	4.348
2130	276.770	277.960	NS	261.800
2170	9.040	9.040	NS	9.821
2190	42.570	42.570	NS	41.617
21A0	41.350	41.420	NS	55.725

Favourable Reference Area and cumulative changes in area due to human activities (restoration and loss) recorded during reporting cycles to date. Natural fluctuations are not taken into account.

Habitat	Favourable Reference area (ha)	2007 change (ha)	2013 change (ha)	2019 change (ha)	2025 change (ha)
1210	0.109	NR	NR	NS	0
2110	0.025	NR	NR	NS	0
2120	5.740	0	0	NS	0
*2130	276.770	0	0	NS	0.691
2170	9.040	0	0	NS	0
2190	42.570	0	0	NS	0
*21A0	41.350	0	0	NS	0

Appendix 2. Structure and Functions

Negative indicator species and non-native invasive species

Habitat	Species name	Cover (%)
2120	<i>Senecio jacobaea</i>	5.0
*2130	<i>Heracleum sphondylium</i>	2.0
*2130	<i>Senecio jacobaea</i>	2.6
2170	<i>Senecio jacobaea</i>	1.0
*21A0	<i>Cirsium arvense</i>	2.9
*21A0	<i>Cirsium vulgare</i>	1.0
*21A0	<i>Lolium perenne</i>	1.0

Positive indicator species and notable species

Habitat	Species name	Cover (%) (if recorded)
1210	<i>Cakile maritima</i>	
2120	<i>Ammophila arenaria</i>	
2120	<i>Elytrigia juncea</i>	
2120	<i>Leymus arenarius</i>	
*2130	<i>Agrostis capillaris</i>	
*2130	<i>Anthyllis vulneraria</i>	
*2130	<i>Carex arenaria</i>	
*2130	<i>Carex flacca</i>	
*2130	<i>Crepis capillaris</i>	
*2130	<i>Daucus carota</i>	
*2130	<i>Euphrasia officinalis ag.</i>	
*2130	<i>Festuca rubra</i>	
*2130	<i>Galium verum</i>	
*2130	<i>Hylocomium splendens</i>	
*2130	<i>Hypochaeris radicata</i>	
*2130	<i>Linum catharticum</i>	
*2130	<i>Lotus corniculatus</i>	
*2130	<i>Luzula campestris</i>	
*2130	<i>Peltigera species</i>	
*2130	<i>Pilosella officinarum</i>	
*2130	<i>Plantago lanceolata</i>	
*2130	<i>Poa pratensis</i>	
*2130	<i>Polygala serpyllifolia</i>	
*2130	<i>Rhinanthus minor</i>	
*2130	<i>Rhytidadelphus squarrosus</i>	
*2130	<i>Rhytidadelphus triquetrus</i>	
*2130	<i>Scleropodium purum</i>	
*2130	<i>Thymus polytrichus</i>	
*2130	<i>Trifolium repens</i>	
*2130	<i>Veronica chamaedrys</i>	
*2130	<i>Viola canina</i>	
2170	<i>Carex arenaria</i>	
2170	<i>Carex flacca</i>	
2170	<i>Euphrasia officinalis ag.</i>	
2170	<i>Festuca rubra</i>	
2170	<i>Holcus lanatus</i>	

2170	<i>Lotus corniculatus</i>	
2170	<i>Pilosella officinarum</i>	
2170	<i>Rhynchospora squarrosa</i>	
2170	<i>Salix repens</i> v. <i>argentea</i>	
2170	<i>Scleropodium purum</i>	
2190	<i>Agrostis stolonifera</i>	
2190	<i>Anagallis tenella</i>	
2190	<i>Calliergon cuspidatum</i>	
2190	<i>Campylium stellatum</i>	
2190	<i>Carex arenaria</i>	
2190	<i>Carex flacca</i>	
2190	<i>Carex nigra</i>	
2190	<i>Dactylorhiza species</i>	
2190	<i>Epipactis palustris</i>	
2190	<i>Equisetum species</i>	
2190	<i>Festuca rubra</i>	
2190	<i>Galium palustre</i>	
2190	<i>Hydrocotyle vulgaris</i>	
2190	<i>Juncus articulatus</i>	
2190	<i>Lotus corniculatus</i>	
2190	<i>Mentha aquatica</i>	
2190	<i>Potentilla anserina</i>	
2190	<i>Prunella vulgaris</i>	
2190	<i>Ranunculus flammula</i>	
2190	<i>Salix repens</i> v. <i>argentea</i>	
*21A0	<i>Agrostis stolonifera</i>	
*21A0	<i>Bellis perennis</i>	
*21A0	<i>Carex arenaria</i>	
*21A0	<i>Carex flacca</i>	
*21A0	<i>Carex nigra</i>	
*21A0	<i>Cerastium fontanum</i>	
*21A0	<i>Crepis capillaris</i>	
*21A0	<i>Euphrasia officinalis</i> ag.	
*21A0	<i>Festuca rubra</i>	
*21A0	<i>Galium verum</i>	
*21A0	<i>Hydrocotyle vulgaris</i>	
*21A0	<i>Linum catharticum</i>	
*21A0	<i>Lotus corniculatus</i>	
*21A0	<i>Orchis species</i>	
*21A0	<i>Plantago lanceolata</i>	
*21A0	<i>Potentilla anserina</i>	
*21A0	<i>Prunella vulgaris</i>	
*21A0	<i>Thymus polytrichus</i>	
*21A0	<i>Trifolium repens</i>	
*21A0	<i>Viola canina</i>	

Structure and Functions Assessment Criteria

Habitat	Indicator	Pass/Fail
1210	Positive indicator species	Pass
1210	Negative indicator species	Pass
1210	Non-native species	Pass

1210	Notable/rare species	Pass
1210	Interference with the sediment dynamics	Pass
1210	Damage due to disturbance	Pass
2120	Positive indicator species	Pass
2120	Negative indicator species	Pass
2120	Non-native species	Pass
2120	Flowering or fruiting of positive indicator species	Pass
2120	Notable/rare species	Pass
2120	Interference with the sediment dynamics	Pass
2120	Damage due to disturbance	Pass
*2130	Positive indicator species	Pass
*2130	Negative indicator species	Pass
*2130	Non-native species	Pass
*2130	Cover of trees and scrub other than <i>Juniperus communis</i>	Pass
*2130	Trees or saplings from adjacent plantations	Pass
*2130	Height of vegetation	Fail
*2130	Flowering or fruiting of positive indicator species	Pass
*2130	Bare sand	Pass
*2130	Notable/rare species	Pass
*2130	Interference with the sediment dynamics	Pass
*2130	Damage due to disturbance	Pass
2170	Positive indicator species	Pass
2170	Negative indicator species	Pass
2170	Non-native species	Pass
2170	Rank grasses	Pass
2170	Cover of trees and scrub other than <i>S. repens</i>	Pass
2170	Height of <i>Salix repens</i>	Pass
2170	Bare sand	Pass
2170	Notable/rare species	Pass
2170	Interference with the sediment dynamics	Pass
2170	Damage due to disturbance	Pass
2190	Positive indicator species	Pass
2190	Bryophytes	Pass
2190	Cover of <i>Salix repens</i>	Pass
2190	Negative indicator species	Pass
2190	Non-native species	Pass
2190	Cover of scrub	Pass
2190	Forb:grass ratio (mean)	Pass
2190	Bare ground	Pass
2190	Notable/rare species	Pass
2190	Interference with the sediment dynamics	Pass
2190	Damage due to disturbance	Pass
*21A0	Positive indicator species	Pass
*21A0	Bryophytes	Pass
*21A0	Negative indicator species	Pass
*21A0	Non-native species	Pass
*21A0	Flowering or fruiting of positive indicator species	Pass
*21A0	Sward height	Pass
*21A0	Bare ground	Pass
*21A0	Notable/rare species	Pass
*21A0	Interference with the sediment dynamics	Pass
*21A0	Damage due to disturbance	Pass

Appendix 3. Impacts and Activities

Impacts recorded

Habitat code	Impact code	Impact description	Relative importance	Influence	Source	Timing	Trend	Area
1210	PX04							
2110	PX04							
2120	PF04	Litter	High	Negative	Inside	Ongoing	Decreasing	0.5
2120	PF05	Walking and designated paths	Medium	Negative	Inside	Ongoing	Decreasing	2.0
2120	PM07	Natural erosion	High	Neutral	Inside	Ongoing	Increasing	10.0
*2130	PA05	Lack of grazing	Medium	Neutral	Inside	Ongoing	Decreasing	80.0
*2130	PA07	Overgrazing and trampling	High	Negative	Inside	Ongoing	Stable	1.0
*2130	PA08	Non intensive grazing and fencing	Low	Positive	Inside	Ongoing	Increasing	10.0
*2130	PA25	Waste deposition, agricultural vehicles parking	High	Negative	Inside	Ongoing	Stable	1.0
*2130	PB01	Conifer plantation	Low	Negative	Inside	Ongoing	Stable	1.0
*2130	PF05	Offroad driving and pedestrian tracks	High	Negative	Inside	Ongoing	Decreasing	2.0
*2130	PI02	Rabbits (grazing and erosion) and Hippophae rhamnoides	High	Negative	Inside	Ongoing	Decreasing	5.0
*2130	PM07	Natural erosion	Medium	Neutral	Inside	Ongoing	Decreasing	5.0
2170	PA08	Fencing and low intensity grazing	Medium	Neutral	Inside	Ongoing	Stable	1.0
2170	PF05	Walking on designated paths and tracks	Medium	Neutral	Inside	Ongoing	Stable	1.0
2190	PA08	Low intensity grazing, fencing and trampling	Medium	Neutral	Inside	Ongoing	Stable	20.0
2190	PM07	Natural succession to HCH FS1	Medium	Neutral	Inside	Ongoing	Decreasing	10.0
*21A0	PA08	Fencing and non intensive grazing	Medium	Positive	Inside	Ongoing	Increasing	80.0
*21A0	PA25	Offroad driving	High	Negative	Inside	Ongoing	Decreasing	1.0
*21A0	PF05	Walking and pedestrian tracks	Low	Neutral	Inside	Ongoing	Stable	1.0
*21A0	PI02	Rabbits	High	Negative	Inside	Ongoing	Increasing	1.0

Conservation Measures required

Habitat code	Measure code	Measure description	Area (ha)	Status (in place/partial/ Absent/unidentified)	Response timeframe	Purpose	Location (inside and or Outside SAC)
*2130	CA05	Measure required to regulate grazing	261.7999	Absent	Medium-term results	Restore the structure & functions, including the status of typical species	Inside
*2130	CI03	Measure required to control invasive alien species (rabbits and Hippophae rhamnoides)	13.0900	Absent	Medium-term results	Restore the structure & functions, including the status of typical species	Inside

Appendix 4. Condition of the habitat by area

Summary of habitat condition

Habitat code	% remaining habitat in poor condition	% remaining habitat in good condition
1210	10	90
2120	5	95
*2130	15	85
2170	0	100
2190	0	100
*21A0	5	95