# European Community Directive on the Conservation of Natural Habitats and of Wild Fauna and Flora (92/43/EEC)

# Fourth Report by the United Kingdom under Article 17

on the implementation of the Directive from January 2013 to December 2018

Conservation status assessment for the habitat:

H2190 - Humid dune slacks

**UNITED KINGDOM** 

#### **IMPORTANT NOTE - PLEASE READ**

- The information in this document represents the UK Report on the conservation status of this habitat, submitted to the European Commission as part of the 2019 UK Reporting under Article 17 of the EU Habitats Directive.
- It is based on supporting information provided by the geographically-relevant Statutory Nature Conservation Bodies, which is documented separately.
- The 2019 Article 17 UK Approach document provides details on how this supporting information contributed to the UK Report and the fields that were completed for each parameter.
- The reporting fields and options used are aligned to those set out in the European Commission guidance.
- Maps showing the distribution and range of the habitat are included (where available).
- Explanatory notes (where provided) are included at the end. These provide additional audit trail information to that included within the UK assessments. Further underpinning explanatory notes are available in the related country-level and/or UK offshorelevel reports.
- Some of the reporting fields have been left blank because either: (i) there was insufficient information to complete the field; and/or (ii) completion of the field was not obligatory.
- The UK-level reporting information for all habitats and species is also available in spreadsheet format.

Visit the JNCC website, https://jncc.gov.uk/article17, for further information on UK Article 17 reporting.

## **NATIONAL LEVEL**

## 1. General information

1.1 Member State	UK
1.2 Habitat code	2190 - Humid dune slacks

## 2. Maps

2.1 Year or period	1987-2018
2.3 Distribution map	Yes
2.3 Distribution man Method used	Complete curvey or a statistically reduct est

2.3 Distribution map Method used Complete survey or a statistically robust estimate

2.4 Additional maps

## **BIOGEOGRAPHICAL LEVEL**

## 3. Biogeographical and marine regions

3.1 Biogeographical or marine region where the habitat occurs

3.2 Sources of information

#### Atlantic (ATL)

England

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## 4. Range

4.1 Surface area (in km²)

4.2 Short-term trend Period

4.3 Short-term trend Direction

4.4 Short-term trend Magnitude

4.5 Short-term trend Method used

4.6 Long-term trend Period

4.7 Long-term trend Direction

4.8 Long-term trend Magnitude

4.9 Long-term trend Method used

4.10 Favourable reference range

16446.68

2007-2018

Stable (0)

a) Minimum

b) Maximum

Complete survey or a statistically robust estimate

a) Minimum

b) Maximum

a) Area (km²)

16446.68

b) Operator

c) Unknown

No

d) Method

The FRR is approximately equal to the current range area.

The FRR value has been updated to take account of

improved information on the habitat range. The approach taken to set the FRR is explained in the 2007 and 2013 UK

Article 17 habitat reports (see

http://jncc.defra.gov.uk/page-4064 and http://jncc.defra.gov.uk/page-6563).

Improved knowledge/more accurate data

The change is mainly due to: Improved knowledge/more accurate data

4.11 Change and reason for change in surface area of range

4.12 Additional information

5. Area covered by habitat
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5.1 Year or period 1987-2018

5.2 Surface area (in km²) c) Best single 19.5295 a) Minimum b) Maximum

value

5.3 Type of estimate Best estimate

5.4 Surface area Method used Complete survey or a statistically robust estimate

5.5 Short-term trend Period 2007-2018 5.6 Short-term trend Direction Decreasing (-)

5.7 Short-term trend Magnitude a) Minimum c) Confidence b) Maximum

interval

5.8 Short-term trend Method used Based mainly on expert opinion with very limited data

5.10 Long-term trend Direction 5.11 Long-term trend Magnitude a) Minimum

b) Maximum c) Confidence interval

5.12 Long-term trend Method used

5.9 Long-term trend Period

5.13 Favourable reference area a) Area (km²)

> b) Operator More than (>)

c) Unknown Nο

d) Method The FRA is not more than 10% above the current area. An FRA

> operator has been used as it is not clear what the exact area of the FRA is. The approach taken to set the FRA is explained in the

2007 and 2013 UK Article 17 habitat reports (see

http://jncc.defra.gov.uk/page-4064 and http://jncc.defra.gov.uk/page-6563).

5.14 Change and reason for change in surface area of range

Improved knowledge/more accurate data

The change is mainly due to: Improved knowledge/more accurate data

5.15 Additional information The short term trend direction is considered to be decreasing by 1%/yr or less,

based on the rate of decline identified in Scotland.

## 6. Structure and functions

used

in good condition Period

6.1 Condition of habitat a) Area in good condition Minimum 7.03 Maximum 7.47

(km<sup>2</sup>)

Minimum 9.8639 Maximum 10.7439 b) Area in not-good

condition (km<sup>2</sup>)

c) Area where condition is Minimum 1.7856 **Maximum 2.1656** 

not known (km<sup>2</sup>)

6.2 Condition of habitat Method Complete survey or a statistically robust estimate

6.3 Short-term trend of habitat area 2005-2018

6.4 Short-term trend of habitat area Decreasing (-)

in good condition Direction

6.5 Short-term trend of habitat area in good condition Method used

6.6 Typical species

6.7 Typical species Method used6.8 Additional information

Based mainly on expert opinion with very limited data

Has the list of typical species changed in comparison to the previous No reporting period?

## 7. Main pressures and threats

## 7.1 Characterisation of pressures/threats

Pressure	Ranking
Extensive grazing or undergrazing by livestock (A10)	M
Modification of coastline, estuary and coastal conditions for development, use and protection of residential, commercial, industrial and recreational infrastructure and areas (including sea defences or coastal protection works and infrastructures) (F08)	M
Other modification of hydrological conditions for residential or recreational development (F31)	M
Problematic native species (I04)	M
Mixed source air pollution, air-borne pollutants (J03)	Н
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (LO2)	Н
Droughts and decreases in precipitation due to climate change (NO2)	M
Threat	Ranking
Threat  Extensive grazing or undergrazing by livestock (A10)	Ranking M
Extensive grazing or undergrazing by livestock (A10)  Modification of coastline, estuary and coastal conditions for development, use and protection of residential, commercial, industrial and recreational infrastructure and areas (including sea defences or coastal protection works and infrastructures)	M
Extensive grazing or undergrazing by livestock (A10)  Modification of coastline, estuary and coastal conditions for development, use and protection of residential, commercial, industrial and recreational infrastructure and areas (including sea defences or coastal protection works and infrastructures) (F08)  Other modification of hydrological conditions for residential	M H
Extensive grazing or undergrazing by livestock (A10)  Modification of coastline, estuary and coastal conditions for development, use and protection of residential, commercial, industrial and recreational infrastructure and areas (including sea defences or coastal protection works and infrastructures) (F08)  Other modification of hydrological conditions for residential or recreational development (F31)	M H
Extensive grazing or undergrazing by livestock (A10)  Modification of coastline, estuary and coastal conditions for development, use and protection of residential, commercial, industrial and recreational infrastructure and areas (including sea defences or coastal protection works and infrastructures) (F08)  Other modification of hydrological conditions for residential or recreational development (F31)  Problematic native species (I04)	M H M

7.2 Sources of information

7.3 Additional information

JO3: Mixed source air pollution, air-borne pollutants is ranked as a High ranked pressure and threat, due to the nutrient N critical load for the habitat being exceeded across >25% of the habitat area

## 8. Conservation measures

8.1 Status of measures	a) Are measures needed?	Yes
	b) Indicate the status of measures	Measures identified and taken
8.2 Main purpose of the measures taken	Maintain the current range, populati	ion and/or habitat for the species
8.3 Location of the measures taken	Both inside and outside Natura 2000	)
8.4 Response to the measures	Short-term results (within the currer	nt reporting period, 2013-2018)
8.5 List of main conservation measures		

Reinstate appropriate agricultural practices to address abandonment, including mowing, grazing, burning or equivalent measures (CA04)

Adapt mowing, grazing and other equivalent agricultural activities (CA05)

Reduce impact of outdoor sports, leisure and recreational activities (CF03)

Manage changes in hydrological and coastal systems and regimes for construction and development (CF10)

Management, control or eradication of other invasive alien species (CI03)

8.6 Additional information

## 9. Future prospects

9.1 Future prospects of parameters	a) Range	Good
	b) Area	Poor
	c) Structure and functions	Bad
9.2 Additional information	decreasing <=1% (one perc Structure and functions is I The Future prospects for Si 25% of the habitat area is 6	verall stable; Future trend of Area is Negative - tent or less) per year on average; and Future trend of Negative - slight/moderate deterioration. tructure and functions takes into account that at least expected to be in unfavourable (not good) condition in ritical load exceedance, unless measures are taken to ets.

# 10. Conclusions

10.1. Range	Favourable (FV)
10.2. Area	Unfavourable - Inadequate (U1)
10.3. Specific structure and functions (incl. typical species)	Unfavourable - Bad (U2)
10.4. Future prospects	Unfavourable - Bad (U2)
10.5 Overall assessment of	Unfavourable - Bad (U2)
Conservation Status	
10.6 Overall trend in Conservation	Deteriorating (-)
Status	
10.7 Change and reasons for change	a) Overall assessment of conservation status
in conservation status and conservation status trend	No change
	The change is mainly due to:

b) Overall trend in conservation status

#### No change

The change is mainly due to:

10.8 Additional information

Conclusion on Range reached because: (i) the short-term trend direction in Range surface area is stable; and (ii) the current Range surface area is approximately equal to the Favourable Reference Range.

Conclusion on Area covered by habitat reached because: (i) the short-term trend direction in Area is decreasing by 1% per year or less; and (ii) the current Area is not more than 10% below the Favourable Reference Area.

Conclusion on Structure and functions reached because habitat condition data indicates that more than 25% of the habitat is in unfavourable (not good) condition.

Conclusion on Future prospects reached because: (i) the Future prospects for Range are good; (ii) the Future prospects for Area covered by habitat are poor; and (iii) the Future prospects for Structure and functions are bad.

Overall assessment of Conservation Status is Unfavourable-bad because one or more of the conclusions is Unfavourable-bad.

Overall trend in Conservation Status is based on the combination of the short-term trends for Range - stable, Area covered by habitat - decreasing, and Structure and functions - decreasing.

## 11. Natura 2000 (pSCIs, SCIs, SACs) coverage for Annex I habitat types

- 11.1 Surface area of the habitat type inside the pSCIs, SCIs and SACs network (in km² in biogeographical/marine region)
- 11.2 Type of estimate
- 11.3 Surface area of the habitat type inside the network Method used
- 11.4 Short-term trend of habitat area in good condition within the network Direction
- 11.5 Short-term trend of habitat area in good condition within network Method used
- 11.6 Additional information

- a) Minimum
- b) Maximum
- c) Best single value 11.2456

Best estimate

Based mainly on extrapolation from a limited amount of data

Uncertain (u)

Insufficient or no data available

# 12. Complementary information

12.1 Justification of % thresholds for trends

12.2 Other relevant information

# **Distribution Map**

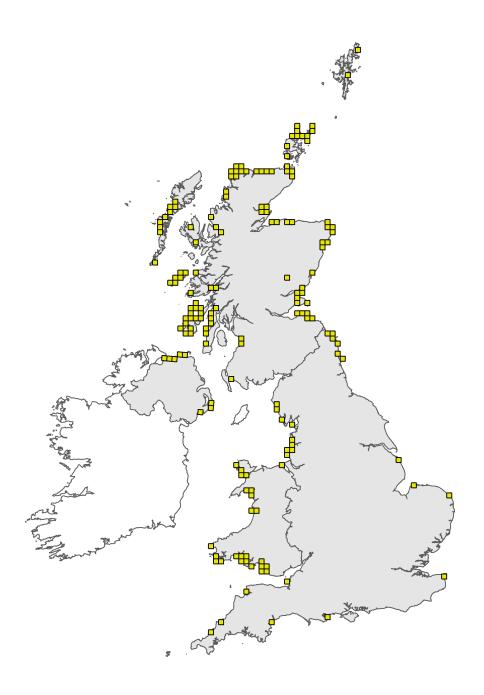


Figure 1: UK distribution map for H2190 - Humid dune slacks. Coastline boundary derived from the Oil and Gas Authority's OGA and Lloyd's Register SNS Regional Geological Maps (Open Source). Open Government Licence v3 (OGL). Contains data © 2017 Oil and Gas Authority.

The 10km grid square distribution map is based on available habitat records which are considered to be representative of the distribution within the current reporting period. For further details see the 2019 Article17 UK Approach document.

# Range Map

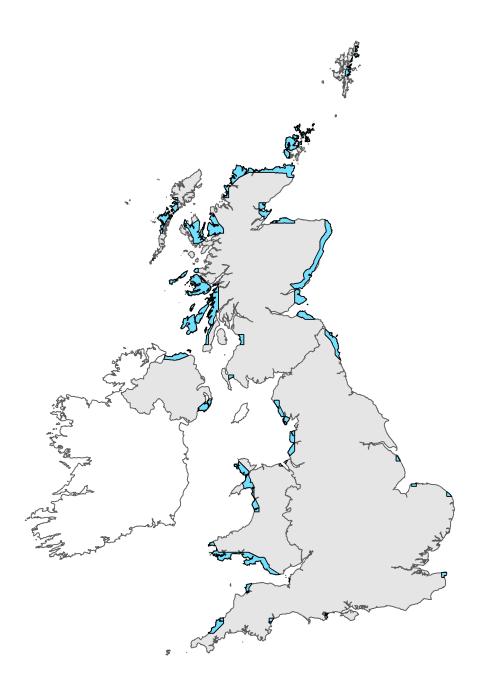


Figure 2: UK range map for H2190 - Humid dune slacks. Coastline boundary derived from the Oil and Gas Authority's OGA and Lloyd's Register SNS Regional Geological Maps (Open Source). Open Government Licence v3 (OGL). Contains data © 2017 Oil and Gas Authority.

The range map has been produced by applying a bespoke range mapping tool for Article 17 reporting (produced by JNCC) to the 10km grid square distribution map presented in Figure 1. The alpha value for this habitat was 25km. For further details see the 2019 Article 17 UK Approach document.