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:

H2150 - Atlantic decalcified fixed dunes (Calluno-Ulicetea)

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	2150 - Atlantic decalcified fixed dunes (Calluno-Ulicetea)

2. Maps

2.1 Year or period	1987-2018
2.3 Distribution map	Yes
2.3 Distribution map Method used	Complete survey or a statistically robust estimate

2.4 Additional mans

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

11176.44

2007-2018

Stable (0)

a) Minimum

b) Maximum

Based mainly on extrapolation from a limited amount of data

a) Minimum

b) Maximum

a) Area (km²)

11176.44

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://incc.defra.gov.uk/page-6563).

4.11 Change and reason for change in surface area of range

Improved knowledge/more accurate data No information on nature of change

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

4.12 Additional information

5.	Area	covere	ed by	, habitat
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5.1 Year or period 1987-2018

5.2 Surface area (in km²) a) Minimum b) Maximum c) Best single 15.9164

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 2005-2018
5.6 Short-term trend Direction Decreasing (-)

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

interval

5.8 Short-term trend Method used

5.9 Long-term trend Period

5.10 Long-term trend Direction

5.11 Long-term trend Magnitude

Based mainly on extrapolation from a limited amount of data

b) Maximum

c) Confidence interval

5.12 Long-term trend Method used

5.13 Favourable reference area

a) Area (km²)

a) Minimum

b) Operator More than (>)

c) Unknown No

d) Method The FRA has been changed to not more than 10% above the

current area as the habitat area has declined. 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).

Improved knowledge/more accurate data

No information on nature of change

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

5.14 Change and reason for change

in surface area of range

6.1 Condition of habitat a) Area in good condition Minimum 3.468 Maximum 3.818

 (km^2)

b) Area in not-good Minimum 7.462 Maximum 8.182

condition (km²)

6.2 Condition of habitat Method used
6.3 Short-term trend of habitat area in good condition Period
6.4 Short-term trend of habitat area 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 used

c) Area where condition is Minimum 4.246 Maximum 4.676 not known (km²)

Based mainly on extrapolation from a limited amount of data

2001-2018

Decreasing (-)

Based mainly on extrapolation from a limited amount of 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

6.8 Additional information

Pressure	Ranking
Intensive grazing or overgrazing by livestock (A09)	M
Extensive grazing or undergrazing by livestock (A10)	Н
Problematic native species (I04)	Н
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)	M
Threat	Ranking
Intensive grazing or overgrazing by livestock (A09)	M
Extensive grazing or undergrazing by livestock (A10)	Н
Problematic native species (I04)	Н
Mixed source air pollution, air-borne pollutants (J03)	Н
Natural succession resulting in species composition change	M

7.2 Sources of information

practices) (L02)

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

(other than by direct changes of agricultural or forestry

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, population 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

Medium-term results (within the next two reporting periods, 2019-2030)

8.5 List of main conservation measures

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

Management of problematic native species (CI05)

Management of habitats (others than agriculture and forest) to slow, stop or reverse natural processes (CL01)

Implement climate change adaptation measures (CN02)

8.6 Additional information

9. Future prospects

9.1 Future prospects of parameters

a) Range Poor

b) Area Poor

c) Structure and functions Bad

9.2 Additional information

Future trend of Range is Negative - decreasing <=1% (one percent or less) per year on average; Future trend of Area is Negative - decreasing <=1% (one percent or less) per year on average; and Future trend of Structure and functions is Very negative - important deterioration.

The Future prospects for Structure and functions takes into account that at least 25% of the habitat area is expected to be in unfavourable (not good) condition in c.2030 due to nutrient N critical load exceedance, unless measures are taken to reduce N deposition impacts.

10. Conclusions

10.1. Range

10.2. Area

10.3. Specific structure and functions (incl. typical species)

10.4. Future prospects

10.5 Overall assessment of Conservation Status

10.6 Overall trend in Conservation Status

10.7 Change and reasons for change in conservation status and conservation status trend

Favourable (FV)

Unfavourable - Inadequate (U1)

Unfavourable - Bad (U2)

Unfavourable - Bad (U2)

Unfavourable - Bad (U2)

Deteriorating (-)

a) Overall assessment of conservation status

No change

The change is mainly due to:

b) Overall trend in conservation status

Use of different method

The change is mainly due to: Use of different method

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.

10.8 Additional information

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 poor; (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.

The Overall trend in Conservation Status has changed between 2013 and 2019 because of the removal of the Future prospects trend from the 2019 method used to assess Overall trend.

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 6.9937

Best estimate

Complete survey or a statistically robust estimate

Decreasing (-)

Based mainly on extrapolation from a limited amount of data

12. Complementary information

12.1 Justification of % thresholds for trends

12.2 Other relevant information

Distribution Map

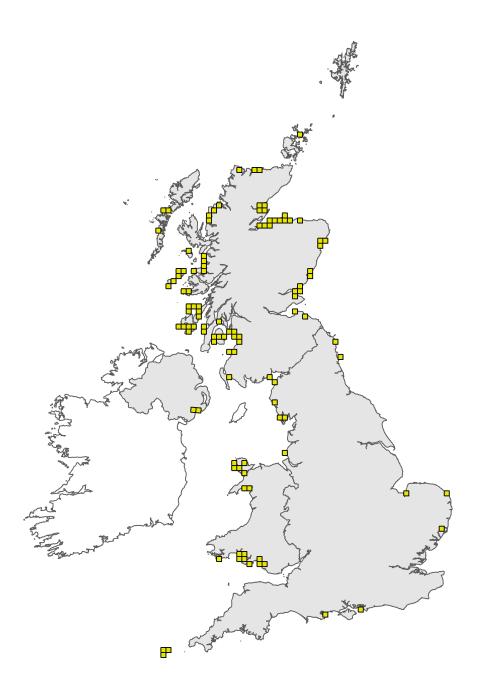


Figure 1: UK distribution map for H2150 - Atlantic decalcified fixed dunes (*Calluno-Ulicetea*). Coastline boundary derived from the Oil and Gas Authority's OGA and Lloyd's Register SNS Regional Geological Maps (Open Source). Open Government Licence v3 (OGL). Contains data © 2017 Oil and Gas Authority.

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

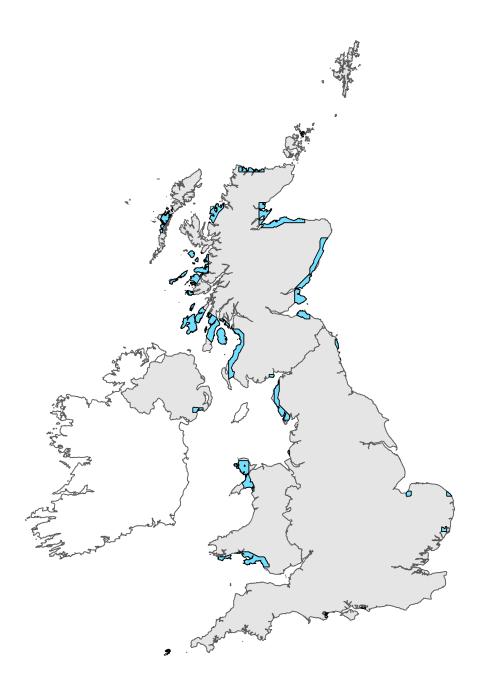


Figure 2: UK range map for H2150 - Atlantic decalcified fixed dunes (*Calluno-Ulicetea*). Coastline boundary derived from the Oil and Gas Authority's OGA and Lloyd's Register SNS Regional Geological Maps (Open Source). Open Government Licence v3 (OGL). Contains data © 2017 Oil and Gas Authority.

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.