

<b>Site Name:</b>	<b>Red Bog SAC 000397</b>
<b>County:</b>	<b>Kildare</b>
	<b>Site Specific Conservation Objective (SSCO) Ecological Attributes</b>
	<b>7140 Transition Bogs and Quaking Mires</b>
1	Habitat area
2	Habitat distribution
3.1	Ecosystem function: Soil Nutrients
3.2	Ecosystem function: peat formation
3.3	Ecosystem function: hydrology - water levels
3.4	Ecosystem function: hydrology - flow patterns
3.5	Ecosystem function: water quality
4	Community diversity
5.1	Vegetation composition: typical vascular plants and bryophytes
5.2	Vegetation composition: native negative indicator species
5.3	Vegetation composition: non-native species
6.1	Physical structure: drainage
6.2	Physical structure: disturbed bare ground
7	Indicators of local distinctiveness

No.	Ecological Requirements (Attributes as per SSCO)	Pressure /Threat (EU Code 2025)	Pressure/ Threat Ranking	EU Conservation Measure Type (EU Code 2019-2024)	Measure Category	Conservation Measure	Delivery mechanism	Public Authority with statutory responsibility	Implementation timeframe	Integration with high level plans/policy:
1	1. Habitat area, 2. Habitat distribution, 3.1 Ecosystem function: Soil Nutrients 3.2 Ecosystem function: peat formation 3.3 Ecosystem function: hydrology - water levels, 3.4 Ecosystem function: hydrology - flow patterns, 4. Community diversity, 5.1 Vegetation composition: typical vascular plants and bryophytes, 5.2 Vegetation composition: native negative indicator species 5.3 Vegetation composition: non-native species 6.1 Physical structure: drainage, 6.2 Physical structure: disturbed bare ground, 7. Indicators of local distinctiveness	PK01 Mixed source pollution to surface and ground waters (limnic and terrestrial)	Low	MA10 Reduce/eliminate point or diffuse source pollution to surface or ground waters (including marine) from agricultural activities.	Administrative	Nutrient management planning to balance nutrient inputs (mainly N, P, K and lime) with crop requirements. Nutrient applications may result in losses to water by runoff or leaching. For derogation farmers are obliged to create one.	A Basic Income Support Scheme (BISS) application	Department of Agriculture, Food and the Marine (DAFM)	2024+	CAP Strategic Plan
2	1. Habitat area, 2. Habitat distribution, 3.1 Ecosystem function: Soil Nutrients 3.2 Ecosystem function: peat formation 3.3 Ecosystem function: hydrology - water levels, 3.4 Ecosystem function: hydrology - flow patterns, 4. Community diversity, 5.1 Vegetation composition: typical vascular plants and bryophytes, 5.2 Vegetation composition: native negative indicator species 5.3 Vegetation composition: non-native species 6.1 Physical structure: drainage, 6.2 Physical structure: disturbed bare ground, 7. Indicators of local distinctiveness	PK01 Mixed source pollution to surface and ground waters (limnic and terrestrial)	Low	MA10 Reduce/eliminate point or diffuse source pollution to surface or ground waters (including marine) from agricultural activities.	Statutory	Statutory Management Requirement 2: Fencing of water courses at a minimum of 1.5m from the top of the watercourse or water edge. Applies to farmers with a grassland stocking rate that exceeds 170kg of organic nitrogen per Hectare, and/or is exporting slurry to avail of a lower stocking rate.	S.I. 113/2022 European Communities (Good Agricultural Practice for Protection of Waters) Regulations 2022, as amended.	Department of Agriculture, Food and the Marine (DAFM)	2022+	All government plans and policy documents are cognisant of these protections
3	1. Habitat area, 2. Habitat distribution, 3.1 Ecosystem function: Soil Nutrients 3.2 Ecosystem function: peat formation 3.3 Ecosystem function: hydrology - water levels, 3.4 Ecosystem function: hydrology - flow patterns, 4. Community diversity, 5.1 Vegetation composition: typical vascular plants and bryophytes, 5.2 Vegetation composition: native negative indicator species 5.3 Vegetation composition: non-native species 6.1 Physical structure: drainage, 6.2 Physical structure: disturbed bare ground, 7. Indicators of local distinctiveness	PK01 Mixed source pollution to surface and ground waters (limnic and terrestrial)	Low	MA10 Reduce/eliminate point or diffuse source pollution to surface or ground waters (including marine) from agricultural activities.	Statutory	Good Agricultural Environmental Conditions 4 and Statutory Management Requirement 2: Water troughs must be located 20m away from the water course. Applies to farmers with a grassland stocking rate that exceeds 170kg of organic nitrogen per Hectare, and/or is exporting slurry to avail of a lower stocking rate.	S.I. 113/2022 European Communities (Good Agricultural Practice for Protection of Waters) Regulations 2022, as amended.	Department of Agriculture, Food and the Marine (DAFM)	2022+	All government plans and policy documents are cognisant of these protections
4	1. Habitat area, 2. Habitat distribution, 3.1 Ecosystem function: Soil Nutrients 3.2 Ecosystem function: peat formation 3.3 Ecosystem function: hydrology - water levels, 3.4 Ecosystem function: hydrology - flow patterns, 4. Community diversity, 5.1 Vegetation composition: typical vascular plants and bryophytes, 5.2 Vegetation composition: native negative indicator species 5.3 Vegetation composition: non-native species 6.1 Physical structure: drainage, 6.2 Physical structure: disturbed bare ground, 7. Indicators of local distinctiveness	PK01 Mixed source pollution to surface and ground waters (limnic and terrestrial)	Low	MA10 Reduce/eliminate point or diffuse source pollution to surface or ground waters (including marine) from agricultural activities.	Statutory	Preventing runoff from farm roadways via minimum specification for farm roadways. Where an existing roadway runs parallel to a watercourse, a fence must be erected. For new farm roadways, a fence must be erected at least 1.5m from the top of the water course bank. In addition, cambering of road surface away from watercourse, bunding or banks to also be used to prevent direct discharge to watercourses from roads.	S.I. 113/2022 European Communities (Good Agricultural Practice for Protection of Waters) Regulations 2022, as amended.	Department of Agriculture, Food and the Marine (DAFM)	2022+	All government plans and policy documents are cognisant of these protections
5	1. Habitat area, 2. Habitat distribution, 3.1 Ecosystem function: Soil Nutrients 3.2 Ecosystem function: peat formation 3.3 Ecosystem function: hydrology - water levels, 3.4 Ecosystem function: hydrology - flow patterns, 4. Community diversity, 5.1 Vegetation composition: typical vascular plants and bryophytes, 5.2 Vegetation composition: native negative indicator species 5.3 Vegetation composition: non-native species 6.1 Physical structure: drainage, 6.2 Physical structure: disturbed bare ground, 7. Indicators of local distinctiveness	PK01 Mixed source pollution to surface and ground waters (limnic and terrestrial)	Low	MA10 Reduce/eliminate point or diffuse source pollution to surface or ground waters (including marine) from agricultural activities.	Administrative	Contribute to a national reduction in chemical fertiliser control by nutrient management planning, soil testing, precision application, use of organic alternatives and adherence to crop nutrients requirements. It is mandatory to register the purchase of all chemical fertiliser with the National Fertiliser Database.	Ireland's Fifth Nitrates Action Programme	Department of Agriculture, Food and the Marine (DAFM)	2023+	European Union (Good Agricultural Practice for Protection of Waters) Regulations 2022, as amended.
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12	1. Habitat area, 2. Habitat distribution, 3.1 Ecosystem function: Soil Nutrients 3.2 Ecosystem function: peat formation 3.3 Ecosystem function: hydrology - water levels, 3.4 Ecosystem function: hydrology - flow patterns, 4. Community diversity, 5.1 Vegetation composition: typical vascular plants and bryophytes, 5.2 Vegetation composition: native negative indicator species 5.3 Vegetation composition: non-native species 6.1 Physical structure: drainage, 6.2 Physical structure: disturbed bare ground, 7. Indicators of local distinctiveness	PA07 Intensive grazing or overgrazing by livestock	Low	MA06 Stop mowing, grazing and other equivalent agricultural activities e.g. burning (incl. restore or improve habitats)	Statutory	Consent is required prior to any significant changes (greater than 20%) in livestock density (including introduction of grazing), changes in livestock type or grazing season, other than on established reseeded grassland if not covered by other regulations.	European Union Habitats (Red Bog, Kildare Special Area of Conservation 000397) Regulations 2018	Department of Housing, Local Government and Heritage (DHLGH)/ National Parks and Wildlife Service (NPWS)	2003+	All government plans and policy documents are cognisant of these protections
13	1. Habitat area, 2. Habitat distribution, 3.1 Ecosystem function: Soil Nutrients 3.2 Ecosystem function: peat formation 3.3 Ecosystem function: hydrology - water levels, 3.4 Ecosystem function: hydrology - flow patterns, 4. Community diversity, 5.1 Vegetation composition: typical vascular plants and bryophytes, 5.2 Vegetation composition: native negative indicator species 5.3 Vegetation composition: non-native species 6.1 Physical structure: drainage, 6.2 Physical structure: disturbed bare ground, 7. Indicators of local distinctiveness	All/Other Relevant Threats and Pressures		MA Measures related to agricultural practices and agriculture-related habitats	Contractual	33% uptake of eligible participants (3) in the voluntary Agri-Climate Rural Environment Scheme (ACRES).	Agri-Climate Rural Environment Scheme (ACRES)	Department of Agriculture, Food and the Marine (DAFM)	2022+	CAP Strategic Plan
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15	1. Habitat area, 2. Habitat distribution, 3.1 Ecosystem function: Soil Nutrients 3.2 Ecosystem function: peat formation 3.3 Ecosystem function: hydrology - water levels, 3.4 Ecosystem function: hydrology - flow patterns, 4. Community diversity, 5.1 Vegetation composition: typical vascular plants and bryophytes, 5.2 Vegetation composition: native negative indicator species 5.3 Vegetation composition: non-native species 6.1 Physical structure: drainage, 6.2 Physical structure: disturbed bare ground, 7. Indicators of local distinctiveness	All/Other Relevant Threats and Pressures		MA Measures related to agricultural practices and agriculture-related habitats	Contractual	Landscape Actions to target environmental issues highlighted in the scorecards for results-based payments in Agri-Climate Rural Environment Scheme – Co-operation Project (ACRES CP).	Agri-Climate Rural Environment Scheme (ACRES) - Landscape Actions	Department of Agriculture, Food and the Marine (DAFM)	2026+	CAP Strategic Plan
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18	1. Habitat area, 2. Habitat distribution, 3.1 Ecosystem function: Soil Nutrients 3.2 Ecosystem function: peat formation 3.3 Ecosystem function: hydrology - water levels, 3.4 Ecosystem function: hydrology - flow patterns, 4. Community diversity, 5.1 Vegetation composition: typical vascular plants and bryophytes, 5.2 Vegetation composition: native negative indicator species 5.3 Vegetation composition: non-native species 6.1 Physical structure: drainage, 6.2 Physical structure: disturbed bare ground, 7. Indicators of local distinctiveness	All/Other Relevant Threats and Pressures		MH03 Reduce impact of other specific human activities	Administrative	Public relations and information dissemination by authorised officers to stakeholders.	NPWS Conservation Ranger network and Regional Management appointed as Authorised Officers under EC Birds and Natural Habitats Regs. 2011, as amended.	Department of Housing, Local Government and Heritage (DHLGH)/ National Parks and Wildlife Service (NPWS)	1997+	All government plans and policy documents are cognisant of these protections
19	1. Habitat area, 2. Habitat distribution, 3.1 Ecosystem function: Soil Nutrients 3.2 Ecosystem function: peat formation 3.3 Ecosystem function: hydrology - water levels, 3.4 Ecosystem function: hydrology - flow patterns, 4. Community diversity, 5.1 Vegetation composition: typical vascular plants and bryophytes, 5.2 Vegetation composition: native negative indicator species 5.3 Vegetation composition: non-native species 6.1 Physical structure: drainage, 6.2 Physical structure: disturbed bare ground, 7. Indicators of local distinctiveness	All/Other Relevant Threats and Pressures		MC01 Adapt/manage extraction of non-energy resources	Statutory	Regulation controlling unconsented development at this site.	S.I. NO. 600/2001 - Planning and Development Regulations 2001, as amended	Local Authorities (Kildare/An Coimisiún Pleanála)	2001+	All government plans and policy documents are cognisant of these protections
20	1. Habitat area, 2. Habitat distribution, 3.1 Ecosystem function: Soil Nutrients 3.2 Ecosystem function: peat formation 3.3 Ecosystem function: hydrology - water levels, 3.4 Ecosystem function: hydrology - flow patterns, 4. Community diversity, 5.1 Vegetation composition: typical vascular plants and bryophytes, 5.2 Vegetation composition: native negative indicator species 5.3 Vegetation composition: non-native species 6.1 Physical structure: drainage, 6.2 Physical structure: disturbed bare ground, 7. Indicators of local distinctiveness	All/Other Relevant Threats and Pressures		MC02 Adapt/manage exploitation of energy resources	Statutory	Control of activities, if not covered by other regulations, which could negatively impact on Red Bog SAC.	European Union Habitats (Red Bog, Kildare Special Area of Conservation 000397) Regulations 2018	Department of Housing, Local Government and Heritage (DHLGH)/ National Parks and Wildlife Service (NPWS)	2003+	All government policies are cognisant of these Regulations.