

Site Name:	Cloonakillina Lough SAC 1899
County	Mayo
Site Specific Conservation Objective (SSCO) Ecological Attributes	
	[7140] Transition mires and quaking bogs
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: nonnative 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.	European Union (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.	European Union (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.	European Union (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. 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.
6	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	MA09 Manage the use of natural and synthetic fertilisers as well as chemicals in agriculture for plant and animal production	Statutory	The spread of organic and chemical fertilisers or soiled water is restricted on land that is waterlogged, is flooded or likely to flood, is snow-covered or frozen.	S.I. 113/2022 European Communities (Good Agricultural Practice for Protection of Waters) Regulations 2022.	Department of Agriculture, Food and the Marine (DAFM)	2022+	All government plans and policy documents are cognisant of these protections
7	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	Consent is required when applying inorganic or organic fertiliser, including slurry and farmyard manure, if not covered by other regulations.	European Union Habitats (CloonaKillina Lough, Special Area of Conservation 001899) Regulations, 2017.	Department of Housing, Local Government and Heritage (DHLGH)/ National Parks and Wildlife Service (NPWS)	1999+	All government plans and policy documents are cognisant of these protections
8	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	PL02 Drainage (mixed or unknown drivers)	Low	MA13 Manage agricultural drainage and water abstraction (incl. the restoration of drained or hydrologically altered habitats)	Statutory	Regulates new land drainage and irrigation works on lands used for agriculture.	S.I.No. 456/2011 EC EIA (Agriculture) Regs. 2011, as amended	Department of Agriculture, Food and the Marine (DAFM)	2011+	All government plans and policy documents are cognisant of these protections
9	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	PL02 Drainage (mixed or unknown drivers)	Low	MF08 Manage changes in hydrological and coastal systems and regimes for construction and development (incl. restoration of habitats).	Statutory	Consent is required for drainage works including digging, deepening, widening or blocking a drain, watercourse or waterbody) if not covered by other regulations.	European Union Habitats (CloonaKillina Lough, Special Area of Conservation 001899) Regulations, 2017.	Department of Housing, Local Government and Heritage (DHLGH)/ National Parks and Wildlife Service (NPWS)	1999+	All government plans and policy documents are cognisant of these protections
10	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	PL05 Modification of hydrological flow	Low	MC12 Manage water abstraction for resource extraction and energy production	Statutory	Planning, regulation and constraint of development with regard to water abstraction requirements and volumes.	European Union (Water Policy) (Abstractions Registration) Regulations 2018 (S.I. No. 261 of 2018)	Uisce Éireann (Operator) / EPA	2018+	All government plans and policy documents are cognisant of these protections
11	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	PL05 Modification of hydrological flow	Low	MC12 Manage water abstraction for resource extraction and energy production	Statutory	Consent is required for works on, or alterations to the banks, bed or flow of a drain watercourse or waterbody, if not covered by other regulations.	European Union Habitats (CloonaKillina Lough, Special Area of Conservation 001899) Regulations, 2017.	Department of Housing, Local Government and Heritage (DHLGH)/ National Parks and Wildlife Service (NPWS)	1999+	All government plans and policy documents are cognisant of these protections
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	PA05 Abandonment of management/use of grasslands and other agricultural and agroforestry systems (e.g. cessation of grazing, mowing or traditional farming)	Low	MA13 Manage agricultural drainage and water abstraction (incl. the restoration of drained or hydrologically altered habitats)	Administrative	Monitoring and reporting of relevant farm activity at the SAC. Direct inspections for DAFM Conditionality compliance or via other state Authorities (via Cross Reporting) to Integrated Controls Division in DAFM.	DAFM BISS Conditionality Farm inspections (Cross Compliance)	Department of Agriculture, Food and the Marine (DAFM)	1997+	CAP Strategic Plan
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	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 (CloonaKillina Lough, Special Area of Conservation 001899) Regulations, 2017.	Department of Housing, Local Government and Heritage (DHLGH)/ National Parks and Wildlife Service (NPWS)	1999+	All government plans and policy documents are cognisant of these protections

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:
14	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	Production of an accredited Farm Sustainability Plan by 100% of participants in the Agri-Climate Rural Environmental Scheme (ACRES).	Agri-Climate Rural Environment Scheme (ACRES)	Department of Agriculture, Food and the Marine (DAFM)	2022+	CAP Strategic Plan
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
16	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	80% uptake of eligible participants (5) 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
17	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		MA05 Adapt mowing, grazing and other equivalent agricultural activities (e.g. burning)	Contractual	Prohibition on livestock and machinery between October 1st and March 31st in 5% of the SAC area	Agri-Climate Rural Environment Scheme (ACRES) - Geese and Swans Action	Department of Agriculture, Food and the Marine (DAFM)	2022+	CAP Strategic Plan
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		MA07 Restoration of Annex I agricultural habitats (incl. re-establish and improve)	Contractual	Over 10% of terrestrial habitat in Cloonaillina Lough SAC is subject to conservation results based scoring of the habitat as part of the Agri-Climate Rural Environment Co-operation Scheme (ACRES CP).	Agri-Climate Rural Environment Scheme (ACRES) - Scorecards	Department of Agriculture, Food and the Marine (DAFM)	2022+	CAP Strategic Plan
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		MH03 Reduce impact of other specific human activities	Administrative	Public relations and information dissemination by authorities 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
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		MJ01 Implement climate change mitigation measures	Administrative	A roadmap of actions to assist in the achievement of climate change objectives by no later than the end of the year 2050.	Ireland's Climate Action Plan 2024	All Government Departments	2024+	Climate Action and Low Carbon Development (Amendment) Act 2021
21	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 (Mayo County Council)/An Coimisiún Pleanála	2001+	All government plans and policy documents are cognisant of these protections
22	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 Cloonaillina Lough SAC.	European Union Habitats (Cloonaillina Lough Special Area of Conservation 001899) Regulations 2017	Department of Housing, Local Government and Heritage (DHLGH)/ National Parks and Wildlife Service (NPWS)	1999+	All government plans and policy documents are cognisant of these protections