Site Name: Coolrain Bog SAC 2332

County: Laois

Site Specific Conservation Objective (SSCO) Ecological Attributes

7110 Active raised bogs*

- 1 Habitat Area
- 2 Habitat Distribution
- 3 High Bog Area
- 4.1 Hydrological regime water levels
- 4.2 Hydrological regime flow patterns
- 5 Transitional areas between high bog and adjacent mineral soils (including cutover areas)
- 6.1 Vegetation quality: central ecotype, active flush, soaks, bog woodland
- 6.2 Vegetation quality: microtopographical features
- 6.3 Vegetation quality: bog moss (Sphagnum) species
- 7.1 Typical ARB species: flora
- 7.2 Typical ARB species: fauna
- 8 Elements of local distinctiveness
- 9 Negative physical indicators
- 10.1 Vegetation composition: native negative indicator species
- 10.2 Vegetation composition: nonnative invasive species
- 11 Air quality: nitrogen deposition
- 12 Water quality

Site Specific Conservation Objective (SSCO) Ecological Attributes

7120	The long-term aim for Degraded raised bogs still capable of natural regeneration is that its peat-forming						
	capability is re-established; therefore, the conservation objective for this						
	habitat is inherently linked to that of Active raised bogs (7110) and a separate						
	conservation objective has not been set in Coolrain Bog SAC						
7150							
	Depressions on peat substrates of the Rhynchosporion is an integral part of good quality Active raised bogs						
	(7110) and thus a separate conservation objective has not been set for the habitat in Coolrain Bog SAC						

Site Specific Conservation Objectives (SSCO): To restore the favourable conservation condition of Active raised bogs in Coolrain Bog SAC 002332

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. High Bog Area, 4.1 Hydridogical regime - water levels, 4.2 Hortogical regime - flow patterns, 5. Transitional areas between high bog and adjacent mireat look floudings cutower seals, 6.1 Vegetation quality: central excitype, active hush, soaks, bog woodland, 6.2 quality, bog most Sphagmann popiers, 1.7 Yippid ARB species: Roay, 2.7 Yippid ARB species: Roay, 8. Elements of local distributions, 9.0 Sparker physical indication, 1.0.1 Vegetation composition: can be registive indicator species, 10.2 Vegetation composition: can other invasive species. 12 Vetter quality	PLO2 Drainage (mixed or unknown drivers)	High	MoTGM Manage changes in hydrological and coastal yestems and regime for construction and development (incl. restoration of habitats).	Statutory	Regulation controlling development including associated drainage.	S.I. NO. 600/2001 - Planning and Development, Regulations 2001, as amended (Part XAS)	Local Authority (Laois County Countil),An Bord Pleanála (ABP)	2001+	All government plans and golling documents are cognisans of these protections
2	1. Habitat sen 2. Habitat Distribution, 3. High Bog Area, 4.1 Hydrodigical regime - water levels, 4.2 Hydrodigical regime - water levels, 4.2 Hydrodigical regime - flow patterns, 5. Transitional areas between high bog and adjacent mineral soli (including cutower sen), 6.1 Vegetation qualify: received present process, 2.1 Hydrodid Alla Species (Europe, Settle Microstopapysholic laterus, 6.3 Vegetation qualify: bog moss (Sphagnum) species, 7.1 Typical Alla Species: Gara, 8.1 Experients of local distinctiveness 5. Negative physical indicators, 10.1 Vegetation composition, rather engative indicator species, 10.2 Vegetation composition, rather analysis in consideration of the species in the species in the species of the species of the species in the species of the s	PA22 Orainage for use as agricultural land	High	MAXI Manage agricultural drainage and water abstraction floot: the restocation of drained or hydrologically altered habitants.	Statutory	Consent required for new land drainage and irrigation works on land used for agriculture.	Is 5.1No. 456/2011 EC EIA (Aericulture) Reps. 2011 , as amended	Department of Agriculture Food and Marine (DAFM)	2011+	All government plans and policy documents are cognisant of these protections
3	1. Hobitat serve, 2. Habitat Christolous, 3. High Bag Area, 4.1 Mydralegiad regime - waster levels, 4.2 Hydralegiad regime - waster levels, 4.2 Hydralegiad regime - flow patterns, 5. Transitional areas between high bog and sulperent initienal Soil floridating cutower servel, 6.1 Vegeration qualify: central ecotype, active flush, soaks, bog woodland, 6.2 Vegeration qualify: host processor, 5.1 Pypical ARB species: Gamp, 8.1 Peremets of local distinctiveness 5.9 Negative physical indicators, 10.1 Vegeration composition: native register indicators, 10.2 Vegeration composition rative register indicators species, 10.2 Vegeration composition: native register indicators species, 10.2 Vegeration composition: native register indicators species, 10.2 Vegeration composition rative register indicators species, 10.2 Vegeration composition rative register indicators species, 10.2 Vegeration composition: non-native invasive species, 12 Water qualify	PLO2 Drainage (mixed or unknown drivers)	High	MRTS Manage sharps in hydrological and countal systems and regimes for construction and development (incl. restoration of habitate).	Statutory	Context required for works on, or alterations to the banks, bed or flow of a dain sustrectourse or waterbody, if not covered by other regulations.	European Union Hobitati (Coolinni Box Special Area Consecution 1001331) Regulations 2022	Eppartment of Housing, Local Genement and Hentage (DHLGH) National Pelas and Widdle Service (HPWS)	2002+	All government plans and policy documents are cognisant of these protections
4	1. Habitat sees, 2. Habitat Distribution, 3. High Bog Ares, 4.1 high-dologiat regime - water levels, 4.2 high-dologiat regime - flow patterns, 5. Transitional areas between high-bog and salpent mineral solid (including cutown eras), 6.1 Vegetation quality: central ecotype, active flush, soaks, bog woodland, 6.2 quality, bog most Splagmunn speece, 7. Typical ARB speeces: Bona, 7.2 Typical ARB speeces: Bona, 8. Elements of local distributions, 9.0 Speeces by Park Jan Lincoln, 7.0 Li Vegetation composition: native negative indicator speeces, 10.2 Vegetation composition: non-native invasive speece, 12 Water quality	PLO2 Drainage (mixed or unknown drivers)	High	offoll Manage changes in hydrological and coastal systems and origins for construction and development (incl. restoration of habitatis).	Statutory	Consert required for drainage works including digging, despening, widering of solicity of arise, watercourse or waterbody) if not covered by other regulations.	furosess Union Halbats (Contain find Special Area Conservation 002333) Regulations 2022	2 Department of Housing, Local Government and Heritage (DHLGI) National Parks and Wildlife Service (NPWS)	2002+	All government plans and policy documents are cognisant of these protections.
5	Nabitat see, 2. Habitat (bartholion), 3 High Bog Area, 4.1 Hydrodiogical regime - water levels, 4.2 Hydrodiogical regime - flow patterns, 5. Transitional areas between high bog and adjacent mineral soli (including cutows ress), 6.1 Vegetation quality: nicrotrooperplace literates, 6.3 Vegetation quality: nicrotrooperplace literates, 6.3 Vegetation quality microtrooperplace literates, 6.3 Vegetation quality positions, 100 proteins, 7.1 Vypetal Aft Superiore, 100 proteins, 7.1 Vype	PA22 Drainage for use as agricultural land	High	MAL1 Manage agricultural disninge and water abstraction (incl. executation of drained or hydrologically altered habitats)	Administrative	Monitoring and reporting of relevant form activity at the SAC Direct impactions for DAM Conditionality compliance or us other state Authorities in a Cross Reporting) to Integrated Controls Division in DAFA.	DAFM BIS Conditionality Farm Inspection - NPMS. Commentation Reager Size mointoring. (Cross. Compilators)	Department of Agriculture Food and Marine (DAFM)	1997+	All government plans and policy documents are cognisant of these protections
6	1. Hobitat seru. 2. Hobitat Grünhulsen, 3. High Beg Arm. 4.1 Hydridigular Ingrine - wester levels. 4.2 Hydridigular Ingrine - wester levels. 4.2 Hydridigular Ingrine - wester levels. 4.2 Hydridigular Ingrine - Stephen - Steph	PCOS Peat Extraction	High	MCOLAdayt/manage extraction of non-energy resources	Statutory	Consent required for all activities relating to but outling and/or peat extraction if not covered by other regulations.	Gungens Union Hibitati (Cortine Ibsc Special Area Conservation 002332) Regulations 2022	Eppartment of Housing, Local Generoment and Heritage (DHLGH) Mutonal Parks and Wildlife Service (NPWS)	2002+	All government plans and policy documents are cognisant of these protections
7	Nabinat reva, 2 i sabinat (birtholion), 3 High Bog Area, 4.1 Hydrological regime - water levels, 4.2 Hydrological regime - flow patterns, 5. Transitional areas between high bog and adjacent mineral solis (including cutower areas), 6.1 Wegetation quality: central ecotype, active flush, ossis, bog woodlands, 6.2 Wegetation quality: bog most, bog woodlands, 6.2 Wegetation quality: bog most, bog woodlands, 7.2 Hydral AMS general (End. p. 7.2 Typical AMS gen	PCOS Peat Extraction	High	MRDB Manage changes in hydrological and coastal yearens and regime for construction and development (Incl. restoration of habitats).	Contractual/Administrative	The Petalands and Natura Community Engagement Schime recorcuage community, local organisation, and other parties to become involved in the enhancement of the SAC site and raise awareness.	Pestiands and Natura Community Engagement. Scheme PRICES	Department of Housing, Local Government and Heritage (DHLGR) National Parks and Wildlife Service (NPWS)	2022+	National Peatland Strategy

No.	Ecological Requirements	Pressure /Threat	Pressure/ Threat Ranking	EU Conservation Measure Type	Measure Category	Conservation Measure	Delivery mechanism	Public Authority with statutory responsibility	Implementation timeframe	Integration with high level plans/policy:
	(Attributes as per SSCO) 1. Habitat area, 2. Habitat Distribution, 3. High Bog Area, 4.1	(EU Code 2025)	High	(EU Code 2019-2024)	Administrative				2011+	
8	Hydrological regime - water levels, 4.2 Hydrological regime- flow patterns, 5. Transitional ress between high bog and adjacent mineral soils (including cutover areas), 6.1 Vegetation quality-central acceptors, earlie flush, soils, bog woodland, 6.2 Vegetation quality-imicrologoraphical features, 6.3 Vegetation quality-big moss (shippum) speces, 7.3 Yippid ARR species flows, 2.7 Yippid ARR species flows, 6.1 Elements of loads distinctionersis. Na Supplier physical indicators, 10.1 Vegetation composition: non-native invasive species, 12 Water quality	PCOS Peet Extraction	riigh	MCDI Adapt/manage extraction of non-energy resources		Cessation of Turf Cating compensation Scheme (CTCCS) to incentive the cessation of part such cate (simple size of the cessation of part such cate (simple size of the cessation of part such cate (size of the cessation of the cessation size of	Tuel Cutting Compensation Scheme.	Department of Housing, Local Government and Heritage (DH.GOI) Authorals Parks and Wildlife Service (NPWS)		National Prestland Strategy _
9	Habitat area, 2. Habitat Distribution, 3. High Bog Area, 4.1 Hydrological regime - water levels, 4.2 Hydrological regime -	PC05 Peat Extraction	High	MC01 Adapt/manage extraction of non-energy resources	Administrative	The Protected Raised Bog Incentive Programme (PRBRIS) is a once off area based compensation and land purchase scheme but no	The Protected Raised Bog Restoration Incentive Scheme	Department of Housing, Local Government and Heritage (DHLGH)/ National Parks and Wildlife	2018+	National Peatland Strategy
	flow patterns, S. Transitional areas between high bog and subjectent innersion (sincluding cutowers), 6.1 Vegetation quality: central ecotype, active flinsh, soaks, bog woodland, 6.2 Vegetation quality: incritospopsyphale floatures, 6.3 Vegetation quality: bog moss (sphagnum) species, 7.1 Typical ARB species fors, 7.2 Typical ARB species: tuma, 6.1 Elements of local districtiveness 3. Negative physical indicators, 10.1 Vegetation composition: new regulate regulate regulate regulate composition: new nestive invasive species, 12 Vegetation composition: new nestive species, 12 Vegetation composition composition composition composition composition composition composition co			· recommend		area states compensation and and purcouse screene out to applications were received.	GENERAL STATE OF THE STATE OF T	Hentrage (Uniturn)/ national varies and winding Service (NPWS)		
10	1. Habitat area, 2. Habitat Distribution, 3. High Bog Area, 4.1	PC05 Peat Extraction	High	MC01 Adapt/manage extraction of non-energy	Administrative	The voluntary bog purchase scheme was established to facilitate the	Voluntary Bog Purchase Scheme	Department of Housing, Local Government and	2011+	National Peatland Strategy
	Hydrological regime - water levels, 4.2 Hydrological regime - flow patterns, 5.7 mailtional areas between high bog and adjacent minoral losis (Including cutower areas), 6.1 Vegetation adjacent minoral losis (Including cutower areas), 6.1 Vegetation quality; hog moss (Sphagnum) species, 7.2 Typical ARB species: Gamp, 8.2 Hydrological Control (Sphagnum) species, 7.2 Typical ARB species: Gamp, 8.2 Heemits of local districtiveness 3. Negative physical indicators, 1.01 Vegetation composition, cutower engals emiscation species, 10.2 Vegetation composition, cutower engals emiscation species, 10.2 Vegetation composition, cutower and vegetation composition, cutower and vegetation for the control of the cutower and vegetation			resources		purchase of bog land/fluthary rights. There were Zero Applications.		Heritage (DNGOH)/National Parks and Wildlife Service (NPWS)		
11	Habitat area, 2. Habitat Distribution, 3. High Bog Area, 4.1 Hydrological regime - water levels, 4.2 Hydrological regime -	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	Irelands Climate Action Plan 2024	All Government Departments	2024+	All government policies are cognisant of this plan.
	flow patterns, 5. Transitional areas between high bog and adjacent mineral soils (including cutows rean), 6.1 Vegetation quality: central ecotype, scrie flush, soaks, bog woodland, 6.2 Vegetation quality incretopopsprake flusterus, 6.3 Vegetation quality bog most (sphagnum) species, 7.1 Pypical ARR species flush, 2.2 Pypical Register States, 18, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19									
12	Habitat area, 2. Habitat Distribution, 3. High Bog Area, 4.1 Hydrological regime - water levels, 4.2 Hydrological regime -	All/Other Relevant Threats and		MB01 Prevent conversion of (semi-) natural habitats into forests and of (semi-) natural forests into intensive	Statutory	Locations and land types of afforestation projects are limited e.g. Forestry constrained to soils with peat depth of 30cm or less.	Licensing procedure via Forestry Regulations 2017 (S.I. No. 191 of 2017), as amended.	Department of Agriculture Food and Marine (DAFM)/Forestry Division	2017+	National Biodiversity Action Plan
	flow patterns, 5. Transitional areas between high bog and adjacent mineral soils (including cutower seen), 6.1 Vegetation quality: central ecotype, active flowsh, soils, bog woodland; 6.2 scalibly bog mosts; polyagen programs, 1.7 project APB appears, scalibly, bog most, polyagen project, and project, polyagen flows, 2.7 bylical APB appears project, and factor, 10.1 Vegetation composition: native negative indicator species, 10.2 Vegetation composition: native negative indicator species, 10.2 Vegetation composition can active invasive species, 1.1 Air quality; stronger deposition, 12 Water quality	Pressures.		forest plantation						
13	Habitat area, 2. Habitat Distribution, 3. High Bog Area, 4.1 Hydrological regime - water levels, 4.2 Hydrological regime -	All/Other Relevant Threats and Pressures		MC02 Adapt/manage exploitation of energy resources	Administrative	The publication of a Restoration Plan for this Site	Coolrain Bog SAC Restoration Plan	Department of Housing, Local Government and Heritage (DHLGH)/ National Parks and Wildlife	2017+	All government plans and policy documents are cognisant of these protections
	flow patterns, S. Transitional areas between high bog and adjacent mineral soils (including cutows ress), 6.1 Vegetation quality: central ecotype, active flish, soaks, bog woodland, 6.2 Vegetation quality: incritospopspished leatures, 6.3 Vegetation quality: bog moss (sphagnum) species, 7.1 Typical ARB species fors, 7.2 Typical ARB species: tump, 6.1 Elements of local districtiveness, 9. Negative physical indicators, 10.1 Vegetation composition, rather regulate relation species, 10.2 Vegetation composition, rather engative relation species, 10.2 Vegetation composition, rather valve in waster species, 11. Air quality: along deposition, 12 Waster quality							Service (NPWS)		
14	 Habitat area, 2. Habitat Distribution, 3. High Bog Area, 4.1 Hydrological regime - water levels, 4.2 Hydrological regime - flow patterns, 5. Transitional areas between high bog and adjacent mineral soils (including cutover areas), 6.1 Vegetation 	All/Other Relevant Threats and Pressures		MB01 Prevent conversion of (semi-) natural habitats into forests and of (semi-) natural forests into intensive forest plantation	Statutory	Planting of trees or multi-annual bioenergy crops if not covered by the Forestry regulations.	European Union Habitats (Coolrain Bog Special Area of Conservation 002332) Regulations 2022	Department of Housing, Local Government and Heritage (DHLGH)/ National Parks and Wildlife Service (NPWS)	2002+	National Peatland Strategy
	spallin, central ecctype, active flush, soaks, bog woodland, 6.2 Vegetallon quality, incrincopognophica fleature, 6.3 Vegetallon quality, incrincopognophica fleature, 6.3 Vegetallon quality; bog moss (Sphagnum) species, 7.1 Typical ARB species; floor, 2.7 Vegetallon composition, name species principal confector species, 10.2 Vegetallon composition, name valuel invasive species, 1.1. Ar quality; introgen deposition, 1.2 Water quality									

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 timefram	e Integration with high level plans/policy:
15	1. Habitat seas, 2. Habitat Ostrohistoria, 3. High Bog Area, 4.1 Hydrological regime—water levels, 4.2 Hydrological regime—flow patterns, 5. Transitional areas between high Bog and adjacent mineral solis (including cutower areas), 6.1 Vegetation quality central ecotype, active hash, toaks, bog woodland, 6.2 Vegetation quality incrinchropopypathe fathers, 6.3 Vegetation quality central ecotype, active hash, toaks, bog woodland, 6.2 Vegetation quality significancy and the season of the se	All/Other Relevant Threats and Pressures.		MADS. Adapt moving, grazing and other equivalent agricultural activities (e.g. burning)	Statutory	Cansent required for furning, topping, charing scrub or neight vegetation or reseeding if not covered by other regulations.	Gurcosen Union Habitats (Codinin Res Special Area of Conservation 002 8311 Regulations 2022	Department of Housing, Local Government and Heritage (DMLGM) Assistant Parks and Wildlife Service (NPWS)	2002+	All government plans and collics documents are combant of these protections.
16	1. Habitar area, 2. Habitar Distribution), 3. High Bog Area, 4.1 Hydrological regime - water levels, 4.2 Hydrological regime - flow patterns, 5. Transitional areas between high Bog and adjacent mineral solis (flexiding cutower areas), 6.1 Vegetation quality central excipts, extribe habit, soaks, bog woodland, 6.2 quality here ones (Saphgamun) pepices, 7.1 Yiquid ARB species: Ronz, 2.7 Hyrical ARB species: Ronz, 8. Elements of local distributions, 9.0 Segrate physical indicator, 10.1 Vegetation composition, native negative indicator species, 1.0.2 regetation composition, native negative indicator species, 1.0 Ar quality, intogen deposition, 12 Water quality	Pressures .		MADS Adapt moving, grazing and other equivalent agricultural activities (e.g. burning)	Statutory	Controls burning of agricultural weste.	S.I. No. 286 of 2009 Waste Menagement (Prohibition of Waste Disposal by Burning) Regulations 2000	Department of the Environment, Climate and Communications Bollowing consultations with the Department of Agriculture, Food and the Marine.	2009+	Waste Management Act 1996
17		All/Olther Relevant Threats and Pressures		MA03 Adapt moving, grazing and other equivalent agricultural activities (e.g. burning)	Statutory	Restricted destruction of vegetation on uncultivated land.	Wildlife Act 1976 as amended	Department of Housing, Local Government and Heritage (OHLGM)/ National Parks and Wildlife Service (NPWS)	1976	Wildlife Act 1976
18	1. Habitat area, 2. Habitat Cistribution, 3. High Bog Area, 4.1 injedfologiat rigine - water levels, 4.2 bydrologiat rigine - flow patterns, 5. Transitional areas between high Bog and salpent mileral solds (including cutower areas), 6.1 Vegetation quality: central ecotype, active hash, soles, bog woodlenis, 6.2 quality: bog most Selbagmann papiera; 7. Typical ARB species: Bona, 7.2 Typical ARB species: Bona, 8. Elements of local distinctionens, 5.0 pagethe physical indicators, 10.1 Vegetation composition: native negative indicator species, 10.2 Vegetation composition: native negative indicator species, 10.2 Vegetation composition: native negative indicator species, 10.1 Vegetation composition: native negative indicator species, 10.1 Vegetation compositions: native insulate species, 10.1 Vegetation introgen deposition, 12 Water quality.	AUCTHOR Reteast Threats and		MXQI Restoring freshwater, wetlands and coastal habitats impacted by multi-purpose hydrological modifications.	Administrative	Rablic relations and information dissemination by authorised officers to stakeholders.	NPVS Conservation Ranger network and Regional Management angiorides du Authoritot Officers under E. Berds and Natural Habitats Rops, 2011, es amended.	Department of Housing, Local Government and Heritage (DMLGOI) Annional Parks and Wildlife Service (NPWS)	1997+	National Postland Strategy
19	1. Habitat era, 2. Habitat Disvibulion, 3. High Bog Area, 4.1 Hydrological regime - water levels, 4.2 Hydrological regime- ration of the control of the con	All/Other Relevant Threats, and Pressures.		MCO2 Adapt/manage exploitation of energy resources	Statutory	Control of activities, if not covered by other regulations, which could negatively impact on Coolfain Bog SAC.	European thion Hisbirats (Coolisia Roy Special Area of Conservation (02232) Regulations 2022	Department of Housing, Local Government and Heritage (DHLGH) National Parks and Windlife Service (NPWS)	2002+	All government policies are cognisant of these Regulations.