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

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	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
I	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

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 avea, 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 septem fineral tools (findeding cutore read), 6.1 Wigestand quality criminal ecotypes, at the finals, souls, bog woodward, 2.0 and 1.0	PLO2 Orainage (mixed or unknown drivers)	High	MRGM Manage change in hydrodigotal and coastal systems and regime for construction and development (lext. restoration of habitats).	Statutory	Regulation controlling development including associated drainage.	S.I. NO. 050/2001 - Planning and Development. Regulations 2003, as amended (Part.XAB)	Local Authority (Lois County Council)(An Bord Pleansia (ABP)	2001+	All government plans and policy documents are cognisant of these protections
2	1. Habitat zero, Z. Habitat Distribution, 3. High Bog Ares, 4.1 Hydrological regime - water levels, 4.2 Hydrological regime - flow patterns, 5. Transitional areas between high bog and adjacent mineral soils (including cutore reas), 6.1 Vegetation quality: central ecotype, active flicint, soals, bog woodland, 6.2 Vegetation quality: incritopographical features, 6.3 Vegetation quality: hose moss Sphagnum jacoles, 7.1 Typical ARB species: flow, 1.5 Elements of local districtiveness 5. Negative physical indicators, 10.1 Vegetation composition: order register feet faciles species, 10.2 Vegetation composition: value register feet faciles species, 10.2 Vegetation composition: value register feet faciles species, 10.2 Vegetation composition: value register feet faciles species, 10.2 Vegetation composition: non native invasive species, 12 Veder quality	PA22 Orainage for use as agricultural land	High	MA313 Manages agrouthural dealwage and water abtractions from the matoriation of dealened or hydrologically altered habitats).	Statutory	Consent required for new land drainage and irrigation works on lands used for agriculture.	SJ.No. 456/031 EC EA Fayr culture? Reps. 2011, as amended	Department of Agriculture Food and Marine (DAFM)	2011+	All government plans and policy documents are cognisant of these protections
3	Habitat erws, 2 Habitat Diruthulovo, 3. High Bug Kens, 4.1 Hydrological regime vaster frenk, 4.2 Hydrological regime flow patterns, 5. Transitional areas between high bug and adjacent mineral soils (including cutone erras), 6.1 Vegetation quality: central ecotype, active flush, soaks, bog woodland, 6.2 Vegetation quality: incrincopopopolaris direature, 6.3 Vegetation quality incorpoopopolaris direature, 6.3 Vegetation quality page most (Springrumin paceles, 7.1 Typical Affeit species: districtiveness.) Seepaide projugital indication, 10.1 Vegetation composition: native negative indicator species, 10.2 Vegetation composition: non-native invasive species, 12 Water quality	PLOZ Drainage (mixed or unknown drivers)	High	Witted Manage changes in hydrological and caustal injustices and regimes for controlled and development (find. restoration of habitats).	Statutory	Consent required for notes on, or alternations to the banks, bed or thow of a data waterscurs or waterbody, if not covered by other regulations.	Surgean Union Habitati Control Bas Special Area of Comerceation 0023323 Regulations 0022	Department of Neuring, Local Greenment and Heritage (DHLOH) National Parks and Wildlife Service (NPWS)	2002+	All government plans and policy documents are cognises of these protections
4	Habitat area, 2 Habitat Distribution, 3 High Bog Area, 41 Hydrological regime - water levels, 4.2 Hydrological regime - flow patterns, 5. Transitional areas between high bog and salgenet miseral soils (fluoding cubors areas), 6.1 Vigeration quality, microtropographical features, 6.3 Vigeration quality, microtropographical features, 6.3 Vigeration quality, Edmonsol Solphagmann Species, 7.3 Typical ARB species flora, 7.2 Typical ARB species flora, 8.1 Elements of Iccus florations of the Company of the Compan	PLO2 Drainage (mixed or unknown drivers)	High	MISS Manage charges in In-glorosogical and coastal systems and regimes for continuous and development (find. and regimes for continuous and development (find. restauration of fluidata).	Statutory	Consent required for drainage works including dagging, despensing, undering or blocking, number consent or waterbooky) if not covered by other regulations.	European Union Habitals (Costrain Box Special Area of Conservation 002332) Regulations 2022	Department of Housing, Local Government and Herriage (DHLGH), National Parks and Wildlife Service (NPWS)	2002+	All government plans and policy documents are cognisant of these protections
5	Habitat area, 2. Habitat Distribution, 3. High Beg Area, 4.1 Hydrological regime - water levels, 4.2 Hydrological regime - flow patterns, 5. Transitional areas between high bog and adjacent mineral soils (including cutore rang), 6.1 Wygetation quality: cernif a copyer, active fluid, Loaks, bog woodland, 6.2 and consideration of the company of t	agricultural land	High	MAIL 3 Manage agricultural drainage and water abstraction (not. Her restoration of drained or hydrologically altered habitats)	Administrative	impections for DAM Conditionality compliance or via other state Authorities (via Cross Reporting) to Integrated Controls Division in DAM.	DAM BIS Conditionality farm inspections. NPMS, Construction Reserved the monotoning, (Cross, Compiliance)	Department of Agriculture food and Marine (DAFM)	1997+	All government plans and policy documents are cognisant of these protections
6	Helbitat area, 2. Helbitat Ostribution). J. High Bio garea, 4.1 Hydrological regime—enforce patterns, 5. Transitional area between high bog and salgerent mierals lost (including cutore ress), 6.1 Vigertation quality: crimit a colyper, active finals, tools, bog modelled, 6.2 and patterns, 6.5 Hydrological regimes, 6.2 Hydrological regimes, 6.2 Hydrological regimes, 7.1 Typical ARB species floors, 2.7 Hydrological Regimes, 6.2 September 1.0 Hydrological Regimes floors, 6.2 Hydrological Regimes floors fl	PCOS Peat Extraction	High	MCQ1.Adapt/manage extraction of non-energy resources	Statutory	Concent required for all activities relating to fur of cating and/or peat extraction if not covered by other regulations.	European Livino Habitets Exceloran Box Special Area of Conservation 002 3321 Regulations 2022.	Department of Housing, Local Government and Heritage (DHLGH) Nashional Parks and Wildlife Service (NPWS)	2002+	All government plans and policy documents are cognisant of these protections
7	1. Habita zero, 2. Habita Distribution, 3. High Bog Ren., 4.1 Hydrological regime - water levels, 4.2 Hydrological regime - water levels, 4.2 Hydrological regime - for properties, 5. Transistional services by the properties of supervision of the properties of supervisions of the properties of supervisions of the properties of the prop	PCOS Peat Extraction	High	MFOB Manage change in hydrological and coastal systems and regimes for construction and development (ext. extraction of habitast).	Contractual/Administrative	The Peatucks and Natura Community Egogenered Schree encourage communities, food organizations and other parties to become involved in the enhancement of the SAC site and raise awareness.	Peatlands and Natura Community Engagement. Schemin (PRCES)	Department of Mousing, Local Government and Heritage (DH.GH/) National Paris and Wildlife Service (NPWS)	2022+	National Postland Strategy

No.			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:
8	[Anthodores as per SSCO] 1. Hollated area, J. Hollato Garcia, J. High Bing Area, 4.1 1. Hollato area, J. Hollato Garcia, J. High Bing Area, 4.1 Hollato Area, J. Hollato Garcia, J. High Bing Area, 4.1 Hollato Garcia, J. Transistonal areas between high hog and adjectent intereal Soli (including cutower sees), 6.1 Vegetation quality recinctopographical feature, 6.2 Vegetation quality bog moss (Sphagmon) species, 7.1 Typical ARB species, districtioners, 8.3 Registration, 1.0.1 Vegetation composition, native negative indicator species, 1.0 Vegetation composition, non-native invasive species, 1.2 Water quality	(BU Code 2025) PCOS Peat Extraction	High	NOT set you manage extraction of non-energy restources.	Administrative	Cessition of Twf.Citting compensation Scheme (CCCS) to insention the cession of perfect extraction activity within sinsel bag SACs nationwide and therefore climate drainage works linked to turf cutting activity within the site. (57 landowners availed of the scheme).	Turf Cutting Compensation Scheme	Department of Housing, Local Copernment and Heritage (DHLGH) Nusional Parks and Wildlife Service (NPWS)	2011+	National Peatland Strategy
9	I Habita Fers, 2. Habitat Türünübun; 3. Hijb Bağ yan, 4.1 Hadibüğülar (İnger, embit rem)s, 6.1 yörünçin Fergine Fergi	PCOS Peat Extraction	High	MCDI. Adapt/manage extraction of non-energy resources	Administrative	The Protected hased Bug incentive Programme (PRBRIS) is a once of extracted companies and land purchase scheme but no applications were received.	The Protected Based Bog Bestoration locentive. Scheme	Department of Housing, Local Government and Heritage (DHLGH) National Parks and Wildlife Service (NPWS)	2018+	Retional Postland Strategy.
10	I Habitat erra, J. Habitat Distribution, 3. High Bog dere, 4.1 Hydrological regime - water levels, 4.2 Hydrological regime - flow pattern, 5. Transitional areas between high Bog and adjectent mileral solis (fluedding cutower areas), 6.1 Vegetation quality credit ectorype, active host, seaks, bog woodland, 6.2 quality bog moss [Saphgarma] pepicer, 1.7 Yiquid ARB species floor, 2.7 Yiquid ARB species floor, 8.1 Emerets of local distributions of the species of the species of the species floor, 2.7 Yiquid ARB species floor, 8.1 Emerets of local distributions 9.8 Species by Joseph Landon, 10.1 Vegetation composition roan beare invalue species. 10.2 Vegetation composition roan beater invalue species. 10.2 Vegetation composition roan sealer invalue specie		High	MCDL Adapt/manage extraction of non-energy resources	Administrative	The voluntary log purchase scheme was established to heiliste the purchase of long land/furbary rights. There were Zero Applications.		Department of Housing, Local Government and Heritage (DHLCIn) National Parls and Whitlife Service (NPWS)	2011+	Stational Postland Strategy
11	1. Habbat area, 2. Habbat Distribution, 3. riigh Bog Area, 4.1 Hydrological regime - water levels, 4.2 Hydrological regime - flow patterns, 5. Transitional areas between high bog and adjacent mirreal solid, flouding cutower sees, 6.1 Vegetation qualify: central ecopye, active flush, soaks, bog woodland, 6.2 Vegetation qualify incrinotropographical feature, 6.3 Vegetation qualify bog moss (Sprlagmuni) species, 7.1 Typical ARB species flows, 2.6 Experiments of local most properties of the control	All/Other Relevant Threats and Pressures.		MIOI Implement climate change mitigation measures	Administrative	A roadmap of actions to assist in the achievement of dimete 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.
12	1. Habitat area, 2. Habitat Chernburion, 3. High Bog Area, 4.1 Hydrodiogical regime—flow pattern, 5. Transilsonal areas between high bog and adjusted misching the control of the control	All/Other Relevant Threats and Pressures		M802 Prevent conversion of [semi-) natural habitation forests and of (pemi-) natural forests into intensive forest plantation	Statutory	ocations and land types of afformation projects are limited eg. Forestry constrained to sols with peat depth of 30cm or fess.	Learning grocedure via Forestry Regulations 2017 (S.1 to 1911 of 2027), as amended.	Department of Agriculture Food and Marine (DAFM)/Forestry Division	2017+	National Biodiversity Action Plan
13	1. Habitat area, 2. Habitat Christolinoi, 3. High Bog Area, 4.1 Hydrological regime—water levels, 4.2 Hydrological regime—flow patterns, 5. Transitional areas between high Bog and adjectent imerial solis (including cutower sees), 6.1 Vegetation quality: central ecotype, active flush, soaks, bog woodland, 6.2 Vegetation quality incrinciposopphisis fatients, 6.3 Vegetation quality bog moss (Sphagrumi) species, 7.1 Typical ARB species: Fausa, 8.1 Elements of local distinctiveness, 3. Negative physical indicators, 10.2 Vegetation composition sons length on flushed gross, 10.2 Vegetation composition sons length on flushed gross, 10.2 Vegetation controgen deposition, 12 Water quality.	All/Other Relevant Threats and Pressures		MCQ2 Adapt/manage exploitation of energy resources	Administrative	The publication of a Restoration Plan for this Site	Coolnain Boo SAC Restoration Plan.	Department of Housing, Local Government and Heritage (DHLGH), National Parks and Wildlife Service (NPWS)	2017+	All experiment plans and policy documents are cognised; of these profections
14	I Habitat ress, 2 Habitat Charthelmon, 3 High Bog Ares, 4.1 Hydrological regime - water levels, 4.2 Hydrological regime - flow patterns, 5. Transitional areas between high Bog and adjacent mireral solid (houlding cutower sees), 6.1 Vegetation quality central ecopyes, active flush, soaks, bog woodshired, 6.2 Vegetation quality increatopopsphase latense, 6.3 Vegetation quality or produce of the produce of the produce of the produce of produce of the produce of the produce of the produce of produce of the produce of the produce of produce of the produce of the produce of composition cnative negative inclinator species, 1.0 Vegetation composition cnative negative inclinator species, 1.0 a vegetation composition on seather invasive species, 1.1 Air quality: introgen deposition, 12 Water quality	All/Other Relevant Threats and Pressures		MIDD. The meet conversion of (peri-) natural habitats into forests and of (peri-) natural forests into intensive forest plantation	Statutory	starting of trees or multi-annual bioenergy crops if not covered by the Forestry regulations.	European Littine Habitins Coolinin Bas Secial Area of Conservation 0023371 Resolutions 2022	Department of Hoosing, Local Government and Heritage (DHGH) National Parks and Wildlife Service (NPWS)	2002+	National Postland Strategy

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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:
40	(Attributes as per SSCO) 1. Habitat area, 2. Habitat Distribution, 3. High Bog Area, 4.1	(EU Code 2025) All/Other Relevant Threats and		(EU Code 2019-2024) MA05 Adapt mowing, grazing and other equivalent			European Union Habitats (Coolrain Bog Special Area of		2002+	
15					Statutory	Consent required for burning, topping, clearing scrub or rough		Department of Housing, Local Government and	2002+	All government plans and policy documents are cognisant
	Hydrological regime - water levels, 4.2 Hydrological regime -	Pressures		agricultural activities (e.g. burning)		vegetation or reseeding if not covered by other regulations.	Conservation 002332) Regulations 2022	Heritage (DHLGH)/ National Parks and Wildlife		of these protections
	flow patterns, 5. Transitional areas between high bog and							Service (NPWS)		
	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: non-native invasive species, 11. Air quality:									
	nitrogen deposition, 12 Water quality									
16	1. Habitat area, 2. Habitat Distribution, 3. High Bog Area, 4.1	All/Other Relevant Threats and		MA05 Adapt mowing, grazing and other equivalent	Statutory	Controls burning of agricultural waste.	S.I. No 286 of 2009 Waste Management (Prohibition	Department of the Environment, Climate and	2009+	Waste Management Act 1996
	Hydrological regime - water levels, 4.2 Hydrological regime -	Pressures		agricultural activities (e.g. burning)			of Waste Disposal by Burning) Regulations 2009	Communications following consultation with the		
	flow patterns, 5. Transitional areas between high bog and							Department of Agriculture, Food and the		
	adjacent mineral soils (including cutover areas), 6.1 Vegetation							Marine.		
	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									
1	distinctiveness, 9. Negative physical indicators, 10.1 Vegetation						I	1	I	
1	composition: native negative indicator species, 10.2 Vegetation						I	1	I	
	composition: non-native invasive species, 11. Air quality:									
	nitrogen deposition, 12 Water quality									
17	1. Habitat area, 2. Habitat Distribution, 3. High Bog Area, 4.1			MA05 Adapt mowing, grazing and other equivalent	Statutory	Restricted destruction of vegetation on uncultivated land.	Wildlife Act 1976 as amended	Department of Housing, Local Government and	1976	Wildlife Act 1976
	Hydrological regime - water levels, 4.2 Hydrological regime -	Pressures		agricultural activities (e.g. burning)				Heritage (DHLGH)/ National Parks and Wildlife		
	flow patterns, 5. Transitional areas between high bog and							Service (NPWS)		
	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: non-native invasive species, 11. Air quality:									
	nitrogen deposition, 12 Water quality									
18	1. Habitat area, 2. Habitat Distribution, 3. High Bog Area, 4.1	All/Other Relevant Threats and		MK03 Restoring freshwater, wetlands and coastal	Administrative	Public relations and information dissemination by authorised officers	NPWS Conservation Ranger network and Regional	Department of Housing, Local Government and	1997+	National Peatland Strategy
		Pressures		habitats impacted by multi-purpose hydrological		to stakeholders.	Management appointed as Authorised Officers under	Heritage (DHLGH)/ National Parks and Wildlife		
	flow patterns, S. Transitional areas between high bog and	ressures		modifications.		to startification.	EC Birds and Natural Habitats Regs. 2011, as	Service (NPWS)		
	adjacent mineral soils (including cutover areas), 6.1 Vegetation			mountations.			amended.	Service (HI 443)		
	quality: central ecotype, active flush, soaks, bog woodland, 6.2						umended.			
	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: non-native invasive species, 11. Air quality:									
	nitrogen deposition, 12 Water quality									
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19	1. Habitat area, 2. Habitat Distribution, 3. High Bog Area, 4.1	All/Other Relevant Threats		MC02 Adapt/manage exploitation of energy	Statutory	Control of activities, if not covered by other regulations, which	European Union Habitats (Coolrain Bog Special Area of	Department of Housing Local Government	2002+	All government policies are cognisant of these
	Hydrological regime - water levels, 4.2 Hydrological regime -	and Pressures		resources	2.2.0.019	could negatively impact on Coolrain Bog SAC.	Conservation 002332) Regulations 2022	and Heritage (DHLGH)/ National Parks and		Regulations.
	flow patterns, S. Transitional areas between high bog and	allu Flessules		resources		could negatively impact on coolfdiff Bog SAC.	Committee of the commit		l	negulations.
	adjacent mineral soils (including cutover areas), 6.1 Vegetation						1	Wildlife Service (NPWS)		
	quality: central ecotype, active flush, soaks, bog woodland, 6.2						1		l	
							1		l	
1	Vegetation quality: microtopographical features, 6.3 Vegetation						I	1	I	
	quality: bog moss (Sphagnum) species, 7.1 Typical ARB species:						I	1	I	
	flora, 7.2 Typical ARB species: fauna, 9. Negative physical						1		l	
	indicators, 10.1 Vegetation composition: native negative						I	1	I	
1	indicator species, 10.2 Vegetation composition: non-native						I	1	I	
	invasive species, 11.Air quality: nitrogen deposition 12 Water						1		l	
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