Site Name: Callow Bog SAC 000595

**County: Roscommon** 

## **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 Callow 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 Callow Bog SAC.							

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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	Implementation	Integration with high level plans/policy:
1	1. Habitat area, 2. Habitat Distribution, 3. High Bog Area, 4.1	PL02 Drainage (mixed or	High	MF08 Manage changes in hydrological and coastal	Statutory	Regulation controlling development including associated drainage.	S.I. NO. 600/2001 - Planning and Development	responsibility  Local Authority (Roscommon County	timeframe 2001+	All government plans and policy documents are cognisant
	hydrological regime - water levek, 2.2 hydrological regime- fore patterns, 5.7 maniforal areas between high big and adjacent mineral sols (including cutower area), 6.1 vegetation was a sold of the control of the control of the control of the vegetation quality, box moss (Sphagnum) species, 7.2 hydral ABB species: Eng. 7.2 hydral ABB species Eng. 7.2 hydral ABB species: Eng. 7.2 hydral ABB species from, 8.1 Elements of local distinctiveness 9. Negative physical indication, 10.3 vegetation composition: mather engative indicate species, 10.2 or special compositions: mather engative indicate species, 10.2 or quality.	unknown drivers)		systems and regimes for construction and development (lect. restoration of habitats).			Regulations 2001, as amended	Council)/An Bord Pleanála (ABP)		of these protections
2	1. Inhalta zero, 2. Holdata Distribution 3. High Bog Arm., 4.1 Hydrocigolar imprise - water levels, 4.2 Hydrocigolar imprise - water levels, 4.2 Hydrocigolar imprise - flow patterns, 5. Transitional areas between high bog and adjoernt mireral soils (including concern sera), 6.1 Vegetation quality; central ecotype, active flush, soals, bog woodland, 6.2 Vegetation quality; bog moss (pleageum) species, 7.1 Hydral of Vegetation quality; bog moss (pleageum) species, 7.1 Hydral of local idiatricheres 9.1 Register polypical indicators, 0.3 1 Vegetation composition: native negative indicater species, 10.2 Vegetation composition: non-native invasive species, 12 Water quality	PLO2 Drainage (mixed or unknown drivers)	High	MEOD Minage change in hydrological and costal systems and regime for construction and development (incl. restoration of habitats).	Statutory	Consent required for works on, or alterations to the banks, bed or flow of a drain watercourse or waterbody, if not covered by other regulations.	Surgeon Union Habitats (Culture Bas Social Area of Conservation 0000995) Regulations 2021.	Department of Housing, Local Government and Heritage (DHLGH)/ National Parks and Widelfe Service (NPVS)	2002+	All government plans and policy documents are cognisant of these protections
3	Hydrological regime - water levels, 4.2 Hydrological regime- flow patterns, 5.7 maniforal areas between high big and adjacent mineral sols (including cutorer areas), 6.1 Vegetation qualify, central ectopye, active flash, sols, beg woodfand, 6.9 Vegetation qualify; big moss Sphagyumi species, 7.1 hypical Add species: Eng. 7.2 Typical Add species: Eng. 5.1 Elements of local distinctiveness 9. Heigsthey physical indication, 10.1 Vegetation composition: native register indicates species, 12 Vegetation composition: native register indicates species, 12 Vegetation composition: native register indicates species, 12 Vegetation composition: native register leadures species, 12 Vegetation composition: native register leadures species, 12 Vegetation composition: non-native invasive species, 12 Vegetation	PIO2 Drainage (mixed or unknown drivers)	High	MKIGS Manage changes in hydrological and casstal systems and regime for construction and development (lect. restoration of habitats).	Statutory	Consent required for drainage works including digging, deepening, widening or blooking and un, watercourse or waterbody) if not covered by other regulations.	European Linion Habitats Callow Box Special Area of Conservation 0005951 Regulations 2021.	Department of Housing, Local Government and Heritage (PHLGH) National Parks and Wildlife Service (NPWS)	2002+	All government plans and policy documents are cognisant of these protections
4	1. Inhibitat sens, 2. Habitati Distribution, 3. High Big Ares, 4.1 Hydrological regime—water levels, 4.2 Hydrological regime—flow patterns, 5. Transitional areas between high bog and adjacent mineral solic (including cutors errors), 6.1 Vegetation quality, micro topographical features, 6.3 Vegetation quality in period 5.0 High process of the control of	PA22 Drainage for use as agricultural land	High	MA33 Manage agricultural drainage and water abstraction (incl. we restoration of drained or hydrologically altered habitats).	Statutory	Consent required for new land dramage and religation works on lands used for egriculture.	5.1.No. 456/2011 (C. Bia (Apricultura) Regs. 2011, as amended	Department of Agriculture Food and Marine (DAFM)	2011+	All government plans and policy documents are cognisant of these protections
5	Hydrological regime - water levels, 4.2 Hydrological regime- flow patterns, 5.7 manitional resis between high big and adjacent mineral soil (including cutorer area), 6.1 Vegetation quality, certifar capture, active faith, soils, bog woodlend, 6.7 Vegetation quality, bog moss (Sphagyumi species, 2.1 Typical A88 species: Eng. 2.7 Yipical A88 species: Eng. 5.2 Typical A88 species: Eng. 2.7 Yipical A88 species: Eng. 5.2 Typical (Pegetation composition: native negative indicators, 10.1 Vegetation composition: native negative indicator species, 12 2 Vegetation quality	PA22 Drainage for use as agricultural land	High	MA3.13 Manage agricultural dinninge and water abstraction (Incl. the restoration of drained or hydrologically altered habitats)	Administrative	Monitoring and reporting of relevant form activity at the SAL Direct importance of the Control o	DATM BISS Conditionality farm inspections - NPMS Conservation Ranger Site monitoring, (Cross, Compilance)	Department of Agriculture Food and Marine (DAFM)	1997+	All government plans and policy documents are cognisant of these protections
6	1. Hobbat zero, 2. Hobbat Dioribation, 3. High Bop Area, 4.1 Hydrological regime— water levels, 4.2 High Bop Area, 4.1 Hydrological regime—flow patterns, 5. Transitional areas between high bop and adjacent mineral solic (finciding cutors erras), 6.1 Vegetation displays and the solic displays and registers from a first properties of local distortions on linguistic matter register indicators, 10.1 Vegetation composition: matter register indicator species, 10.2 Water cannot be composition on the register indicator species, 10.2 Water cannot be composition on the register indicator species, 12 Water cannot be composition on the register indicator species, 12 Water cannot be composition on the register indicator species, 12 Water cannot be supported to the species of the	PCOS Peat extraction	High	MRGB Manage change in hydrological and coastal yoptems and regions for construction and development (incl. restoration of habitats).	Contractual/Administrative	The Pestation, and Natura Community Engagement Scheme convocage community, color against soft on other parties to become involved in the enhancement of the SAC site and raise awareness.	Peatlands and Natura Community Engagement, Scheme	Department of Housies, Local Government and Hertrage (DH.GH) National Parks and Wildlife Service (NPVS)	2022+	Mational Raised Bog SAC Management Plan 2017-1022
7	I. Hobbat zero, Z. Hobbat Ontrivation, J. High Bio p. Arm., 4.1 Hydrological regime - water levels, 4.2 Hydrological regime- flow patterns, S. Transitional rears between high bog and adjacent mineral soils (finduling stores rears), 6.1 Vegetation quality. central ecotype, active flash, soils, bog woodland, 6.2 Wegatation quality, bog moss (Sphaguan) species, 7.3 Typical ABI a pecies: Son, 7.2 Typical ABI a pecies: Sans, 8. Elements of local distinctioness. 9. Regative physical indication, 10.1 Vegetation composition: native negative indicate species, 10.2 Vegetation composition: non-native invasive species, 12 Water quality	PCOS Peat extraction	High	MCDL Adapt/manage extraction of non-energy resources	Statutory	Concent required for all activities relating to last Cutting and/or peat estraction if not covered by other regulations.	European Union Habitats Callow Ros Special Area of Conservation 0005953 Regulations 2023	Department of Housing, Local Government and Herdrage (DH.GHJ) National Parks and Wildlife Service (NPWS)	2002+	All government plans and policy documents are cognisant of these protections

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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	Implementation	Integration with high level plans/policy:
NO.		(EU Code 2025) PC05 Peat extraction	High	(EU Code 2019-2024) MC01 Adapt/manage extraction of non-energy	Contractual/Administrative	The Cessation of Turf Cutting Compensation Scheme (CTCCS)	Turf Cutting Compensation Scheme	responsibility Department of Housing, Local	timeframe 2011+	National Peatland Strategy
8	1. Institute area, J natural colorations, 3. rigis slig area, 4.1 right-diosignal regime—white levels, 4.2 philodiogical regime—statement means a solid, for the properties of the propertie	KLUD PEST EXTRACTION	rage	INCLU Adaptimanage extraction of non-energy resources	Contractual/Administrative	The Leastand or Intri Luting Compensation Scrience (LLLS).  Committees the execution of part extraction richly within trained bug SSCS. 30 piece cut in 2014 (101 paintingants in the CTCS)	Luff Cattory Compensation Scheme	Gepartment of Holizing, Local Government and Heritage (DHCHH)/ National Parks and Wildlife Service (NPWS)	2011+	pational restates strategy.
9	1. Habitat urea, 2. Habitat Distribution, 3. High Biog Area, 4.1 Hydrodogolar legime - water levels, -2.1 Hydrodogolar legime-application of the production opality clear levels, 6.1 Vegetation quality micro topographical features, 6.3 Vegetation quality micro topographical features, 6.3 Vegetation quality post most (Sphagrum) species, 7.1 Yipical ABS species from, 7.2 Yipical	PCOS Peat extraction	High	MCDI Adapt/manage extraction of non-energy resources	Contractual/Administrative	The Voluntary Bog Purchase Scheme facilitates the state purchase of long land/subury rights, to date 103.723 Acres of Freehold purchased in 5 transactions	Voluntary Bog Purchase Scheme	Department of Housing, Local Government and Heritage (INLGH)/ National Parks and Widdle Service (NPWS)	2011+	National Pestland Strategy
11	1 Habitat erae, 2. Habitat Ostrikoslion, 3. riigh Bog Area, 4.1 Hydrodogical regime - water levels, 4.2 Hydrodogical regime - flow patterns, 5. Transistonal areas between high bog and adjecent mirecal soils (including cutower areas), 6.1 Vegestation quality recental exctype, active flush, soaks, bog woodland, 6.2 Vegestation quality recent operapher afterns, 6.3 Typical ARB species: flom, 7.2 Typical ARB species: flom, 7.2 Typical ARB species: flom, 7.2 Typical ARB species: flom, 8.1 Cellments of local distinctionsess 9. Negative physical indications, 10.1 Vegestation composition: native negative indicator species, 10.2 Vegestation composition: non-native invasive species, 12 Water quality	PCOS Peat extraction	High	MC01.Adapt/manage extraction of non-energy resources	Contractual/Administrative	The Protected Based log Restourcion incentive Scheme facilitates the restoration of Indian within the SAC. Peat extraction for this site 20 plots in 2024.	The Protected Fained Roy Bestoration Incentive. Scheme	Department of Housing, Local Government and Hentings (DHGM) National Parks and Wildlife Service (NPWS)	2018+	National Postland Strategy.
12	Hydrological regime - water levels, 4.2 Hydrological regime -	PB01 Conversion to forest from other land use, or afforestation (excluding drainage)	Low	M803 Prevent conversion of (emi-) natural habitats into intensive florests into intensive forests plantation (femi-) natural forests into intensive forest plantation	Statutory	Forestry constrained to sols with part depth of 30cm or less.	Userming procedure via Entertry Regulations 2017 (S.L. No. 131 of 2017), as amended,	Department of Agriculture Food and Marine (DAFM)/Forestry Division	2017+	All government policies are cognisant of these regulations.
13		P801 Conversion to forest from other land uses, or afforestation (excluding drainage)	Low	MB01 Prevent conversion of (semi-) natural habitats into forests and of (semi-) natural forests into intensive forest plantation (semi-) natural forests into intensive forest plantation	Statutory	Facinity of Ires or multi-sonual bioenergy crops if not covered by the Forestry regulations.	European Livion Hishitats Callow Box Special Area of Censervation 000595) Regulations 2021	Department of Housing, Local Government and Ferthrage (PMLGIN) National Parks and Wildlife Service (NPWS)	2002+	National Peatland Scratogy
14	1. Habitat erse, 2. Habitat Ostribution, 3. High Bog Area, 4.1 Hydrodigical regime flow patterns, 5. Transitional areas between high bog and adjacent mireral solis (flouding; cutors ereas), 6.1 Vegetation quality: notinal ecotype, active flush, soaks, bog woodland, 6.2 Vegetation quality micro topographical fleatures, 6.3 Vegetation quality prices (page 100, 100, 100, 100, 100, 100, 100, 100	All / Other relevant Threats and Pressures.		MJ01 Implement climate change mitigation measures	Administrative	A roadings of actions to assist in the active-ment of dimate 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.
15	1 slobitat area, 3. 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 mirreal solid (including cutower sees), 6.1 Vegetation quality central ectrype, active flust, soaks, bog woodland, 6.2 Vegetation quality power of the property of the proper	All / Other relevant Threats and Pressures		MXQ3 Rectioning freshwater, wetlands and coastal backets impacted by multi-purpose hydrological modifications.	Administrative	Public relations and information dissemination by authorised efficers to stakeholders.	NEWS Consensation Barager entwork and Repicous Management application at Authorities Officers under U.C. Birth and Natural Habitats Reps. 2011. as. amended.	Department of Housing, Local Government and Horitage (DHLGH)/ National Parks and Widdle Service (NPWS)	1997+	Clemate Action and Low Carthon Development, (Amendment) Act 2023.

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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	Implementation	Integration with high level plans/policy:
	(Attributes as per SSCO)	(EU Code 2025)	_	(EU Code 2019-2024)	Administrative	The publication of a Restoration Plan for this Site		responsibility	timeframe	
	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 ecology, exter hults, volse, bog woodland, 6.2 Vegetation quality, mirco topographical features, 4.3 , 1 yipical A88 poetes: flor, 2.7 yipical A88 spoets flors, 2.7 yipical A88 poetes flors, 2.7 yipical A88 spoets flors, 2.7 yipical A88 poetes flors, 2.7 yipical A88 spoets flors, 2.2	All / Other relevant Threats and Pressures		MC02 Adapt/manage exploitation of energy resources			Callow Box SAC Restoration Plan	Department of Housing, Local Government and Heringe (DHLGH) National Parks and Wildlife Service (NPWS)	2017+	All agreement plans and policy documents are cognised, of these protection.
	1. Habitat area, 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 mirreal sold, flowdings cover areas, 16.1 Vegetation qualify runnin to topopriphic fleatures, 6.3 Typical Control and Con	Pressures.		MAGS Adapt moving, grazing and other equivalent agricultural activities (e.g. burning)	Statutory	Consent required for furning, topping, clearing scrub or mugh vegetation or reseeding if not covered by other regulations.	European Union Habitats (Callow Box Special Area of Conservation 0005551 Regulations 2021)	Department of Housing, Local Government and Heringe (IDHLGH) Asstonal Parks and Wildlife Service (NPWS)	2002+	All government plans and policy documents are cognisent of these protections
18	1. Habitat area, 2. Habitat Distribution, 3. High Bog Area, 4.1 Hydrodigical regime - water levels, 4.2 Hydrodigical regime - flow pattern, 5. Transitional areas between high bog and adjacent mieral sold, floudiding cutwer seas, 1.6.1 Vegetation qualify central excippe, active Bosh, soaks, bog woodsind, 6.2 Vegetation qualify to genes (Sphagman) procises, 7.1 Typical ARB spories: Rone, 7.2 Typical ARB spories: fauna, 8. Elements of local distributionses, 9. Regative Psyrical Indication, 1.0.1 Vegetation composition: nature negative indicators point. Vegetation composition: nature negative indicators point. Vegetation composition: non-university species, 1.0.2 Vegetation composition: 12 Water quality	All / Other relevant Threats and Pressures.		MADS Adapt moving, grazing and other equivalent agricultural activities (e.g. buming)	Statutory	Controls burning of agricultural waste.	S.J. No. 286 of 2009 Waste Management (Prohibition of Waste Disposal for Burning). Reputations 2009.	Department of the finvironment, Climate and Communications following consultation with the Department of Agriculture, Food and the Marine.	2009+	Waste Management Act 1996
19	1. Hobitat area, 2. Hobitat Distributions, 3. High Bog Area, 4.1 Hydrodiogical regime—water levels, 4.2 Hydrodiogical regime—flow patterns, 5. Transitional areas between high bog and adjacent mirecal sold, floudding course reas; 6.1 Vegeration qualify: certail ecotype, active high, soaks, bog woodland, 6.2 Vegeration qualify power layers, and the properties of the prope	All / Other relevant Threats and Pressures		MAGS.Adapt moving, grazing and other equivalent agricultural activities (e.g. burning)	Statutory	Restricted destruction of vegetation on uncultivated land.	Wildlife Art 1976 as amended	Department of Housing, Local Government and Heritage (DMIGH)/ National Parks and Wildlife Service (NPWS)	1976	Widdle Act 1926
20	1. Hobitat area, 2. Hobitat Christhoton, 3. High Bog Area, 4.1 Hydrological regime - water levels, 4.2 Hydrological regime - flow patterns, 5. Transitional areas between high bog and adjacent mirreal solds (including cutower area), 6.1 Vegeration qualify: central ecotype, active flush, soaks, bog woodland, 6.2 Vegeration qualify: notwo topographic flushress; 6.3 Type (1994), 1994,	All / Other relevant Threats and Pressures		MBOL Prevent conversion of (semi-) natural habitats into forests and of (semi-) natural forests into intensive forest plantation	Statutory	locations and land types of afforestation projects are limited e.g. Forestry constrained to soils with peat depth of 30cm or less.	Literaining procedure via Forestry Regulations 2017 (S.I. No. 191 of 2017), as amended.	Department of Agriculture Food and Marine (DAFN)/Forestry Division	2017+	National Biothersity Action Plan
21	1 Hobitas tean, 3. Hobitas fürstündurun, 3. High Bog deren, 4.1 Heydrodigular regime - wester levels, 4.2 Heydrodigular regime - wester levels, 4.2 Heydrodigular regime - flow patterm, 5. Transitional areas between high bog and adjocent mireral solis (including custows areas), 6.1 Wegetation quality: central ecotype, active flush; south, 500 woodlend, 6.2 Wegetation quality: mireto socials, 500 woodlend, 6.2 Wegetation quality: mireto socials, 500 woodlend, 6.2 Wegetation quality: mireto social solis proprieta in production productio	All J Other relevant Threats and Pressures		MC02 Adapt/manage exploitation of energy resources	Statutory	Control of activities, find covered by other regulations, which could regatively impact on Callow Bog SAC.	European Union Mahitati (Callon Box Secolal Area of Conservation 000595) Resulations 2021	Department of Housing, Local Government and Heritage (DHLGH)/ National Parts and Widdle Service (NP-95)	1997+	All government plans and golley decuments are cognisant of these protections