Site Name: Brown Bog SAC 002346

County: Longford

## **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
	Brown 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 Brown Bog SAC.

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No.		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:
1	(Attributes as per SSCO)  1. Habitat area, 2. Habitat Distribution, 3. High Bog Area, 4.1	(EU Code 2025) PL02 Drainage (mixed or	High	(EU Code 2019-2024) 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 (Longford County	timeframe 2001+	All government plans and policy documents are cognisant
	Hydrological regime - water levels, 4.2 Hydrological regime- flow patterns, 5. Transitional areas between high Dog and adjacent mineral soils (including cutover areas), 6.1 Vegetation quality: central ecology, active flush, soals, bog woodlan, 6.2 Vegetation quality: microtopographical feature, 6.2 Vegetation quality: Dog moss (Sepharum) speces, 7.1 Yearla ARB species flows, 7.2 Pylicial ARB species flows, 2.6 Pylicial ARB species flows, 2.7 Pylicial ARB species flows, 2.7 Pylicial ARB species species flows, 2.7 Pylicial ARB species species species species species species species species species species species species species spe	unknown drivers)	1-1001	systems and regimes for construction and development. (incl. restoration of habitats).	,		Regulations 2001, as amended	Councili/An Bord Pleansis (ABP)		of these protections
	Ingerdaggical regime - water levels, 4.2 Hydrological regime- flow patterns, 5.7 remissional areas between high bog and adjacent mineral soils (including cutover areas), 6.1 Vegetation quality central excepts, earther fasts, soils, bog woodlend, 6.2 quality hope most Spithagrown J porcies, 7.1 Typical ARB species from, 7.2 Typical ARB species: faum, 8.1 Elements of local distinctiveness 9. Negative physical Indicators, 10.1 Vegetation composition, rather register indirects, 10.2 Vegetation composition, rather register indirects present, 10.2 Vegetation composition, rather register indirects present, 10.2 Vegetation composition, rather register indirects present, 10.2 Vegetation composition, rather vegetation (pressure pressure pres	PA22 Drainage for use as agricultural land	High	MA13 Manages agrouthursid dozinage and water abstractions (Gird. the restoration of drained or hydrologically attend habitats).	Statutory	Consent required for new land drainage and irrigation works on lands used for agriculture.	S.A.No. 456/2011 EC EM Approxiture? Regs. 2011, as amended	Department of Agriculture Food and Marrine (DAFM)	2011+	All government plans and policy documents are cognisant of these protections
3	1. Habitat sera 2. Habitat Osiribationi, 3. High Bog Area, 4.1 Hydrodogical regime - water levels, 4.2 Hydrodogical regime - flow patterns, 5. Transitional areas between high bog and adjectent imerical solis (including cutower sera), 6.1 Vegetation quality: central ecotype, active flush, soaks, bog woodland, 6.2 Vegetation quality: nicrotopographical feature, 6.3 Vegetation quality bog moss (Sphagrumi) species, 7.1 Typical ARB species from, 7.2 Typical ARB species: faum., 6.1 Elements of local distinctiveness. 3. Registre physical indicators, 10.1 Vegetation composition: naive regulow infactor posites, 10.2 Vegetation composition: naive naive flowers of the composition of the position of the composition of the comp	PLOZ Drainage (mixed or unknown drivers)	High	MRIB Manage changes in hydrotological and coastal systems and regimes for contractions and diversion and diversion of fixed tractic contractions of fixed tr	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.	European Union Habitats (Brown Box Special Area of Conservation 002246) Regulations 2018	Department of Housing, Local Government and Heritage (IPHLEII)/ National Parks and Wildlife Service (NPWS)	2002+	All government plans and policy documents are cognisant of these protections
4	1. Hobitat erse, 2. Hobitat Ostrohierion, 3. High Bog Aree, 4.1 Hydrodigolar legime—twelf review, 4.2 Hydrodigolar legime—flow pattern, 5. Transitional areas between high Bog and assignent miseral soils (including cutower areas), 6.1 Vegetation quality microhipopaphical feature, 6.3 Vegetation quality from configuration (and the configuration quality from configuration) and the configuration of the confi	PLO2 Drainage (mixed or unknown drivers)	High	MRSB Manage changes in hydrological and coestal systems and regimes for control systems and regimes for control contro	Statutory	Consent required for drainage works reducing diagring, despening, widening or blocking and universal and universal variety of the converse of waterbody) if not covered by other regulations.	European Union Habitata (Brown Bos, Special Area of Conservation 00/2 3461 Repulations 20/18	Department of Housing, Local Government and Rethrage (DHGM) National Parks and Wildlife Service (NPVS)	2002+	All government plans and policy documents are cognisant of these protections
5	Row patterns, S. Transitional areas between high bog and adjectent intered sold (including cutower sees), 6.1 Vegetation quality: central ecotype, active hash, soaks, bog woodland, 6.2 Vegetation quality incrintopopspishel interes, 6.3 Vegetation, soaks, incrintopopspishel interes, 6.3 Vegetation, form, 2.7 Lynical ARB species: Thomas, 8. Elements of local functional control of the control of the control of the control of composition: native negative indicator species, 10.2 Vegetation composition: non-native invasive species, 12 Water quality	agricultural land	High	MA13 Manage agricultural distinage and water abstraction (incl. we restoration of drained or hydrologically altered habitats)	Administrative	Monitoring and reporting of relevant form activity at the S.C. Direct impections for DAM conditionality compliance or via other state Authorities (via Cross Reporting) to integrated Controls Division in DAM.	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	Hydrological regime - water levels, 4.2 Hydrological regime- flow patterns, 5.7 remissional areas between high Dog and adjacent mineral soils (including cutover areas), 6.1 Vegetation and provided to the control of the control of the control of the Question quality recipropay policif learns, 6.3 Vegetation quality hope moss (Spingurum) species, 7.1 Typical Afia Species- tion, 7.2 Typical Afia Species: faum, 8.1 Elements of local distinctiveness 9. Negative physical Indicators, 10.2 Vegetation composition, rather registive infactors position, 10.2 Vegetation composition, rather registive infactors position.	PCOS Peat Extraction	Low	MCOL Adapt/manage extraction of non-energy resources	Contractual/Administrative	The Peatlands and Nativa Community Engagement Scheme encourage communities, Coal organizations and other parties to become involved in the enhancement of the SAC site and raise leaver eness.	Peatlands and Natura Community Engagement. Scheme	Department of Housing, Local Government and Heritage (DHLGH) National Parks and Wildlife Service (NPWS)	2022+	Mational Baland Bog SAC Management Plan 2017-2022.
7	1. Habitat area, 2. Habitat Distribution, 3. High Bog Area, 4.1 Hydrodigical regime - water levels, 4.2 Hydrodigical regime - flow patterns, 5. Transitional areas between high bog and adjacent mineral sold, floudiding cutower areas, 6.1 Vegetation qualify: certail ecotype, active flush, tools, bog woodland, 6.2 Vegetation qualify: post, 7.1 Hydral Arib species, 7.1 Hy	PUB Peat Estraction	Low	MCOL Adapt/manage extraction of non-energy resources	Contractual/Administrative	The Voluntary Bog Purchase Schmen Edillates the state purhase of logging landfurburary right. Currently there in sope exteraction on this site, to date 24.197 Acres of Freehold purchased in 3 transactions to the control of the site.	Voluntary Bog Purchase Scheme.	Department of Housing, Local Government and Hentinge (IMLIGH) National Parks and Wildlife Service (NPWS)	2022+	Stational Rained Bog SAC Management Plan 2017-2022

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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:
- 8		(EU Code 2025) PCOS Peat Extraction	low	(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
	Hydrological regime - water levels, 4.2 Hydrological regime - flow patterns, 5.1 remissional areas between high bog and adjacent mineral soils (including cutower areas), 6.1 Vegetation quality, central oxigos, such flush, soils, bog woodland, 6.2 Vegetation quality, microtroporphical features, 6.3 Vegetation flush, microtroporphical flush see, 100 Vegetation flush, 12 This pattern of local distinctiveness 9. Negative physical indicators, 10.1 Vegetation composition, rather engative indicator species, 10.2 Vegetation composition, roon-native invasive species, 12 Vegetation, roon-native invasive species, roon-native invasive species, roon-native invasive species, roon-native invasive s			resources		incentivies the cessation of peat extraction activity within raised log SACs. There is no peat extraction in this SAC. (3 participants in the CTCCS)		Government and Heritage (DHLGH)/ National Parks and Widdife Service (NPWS)		
9	Nabitar ives, 2. Habitar Distributions, 3 High Bog Ares, 4.1 Hydrological regime - water levels, 4.2 Hydrological regime - water levels, 4.2 Hydrological regime - flow patterns, 5. Transitional areas between high bog and adjacent mineral solit (including cutowerse), 6.1 Vegetation qualify: central excitype, active Brush, soaks, bog woodsand, 6.2 Vegetation qualify: controlopopyphical features, 6.3 Vegetation for patterns, 6.1 Vegetation, 6.2 Vegetation patterns, 6.1 Vegetation, 6.2 Vegetation patterns, 6.1 Vegetation, 6.1 Vegetation composition: native negative indicator species, 10.2 Vegetation composition: non-native invasive species, 12 Water qualify	PCOS Pear Extraction	Low	MCD1.Adapt/manage extraction of non-energy resources	Contractual/Administrative	The Protected Raised log Betroaton incerture Scheme facilitates the retroaton of individual that the SAC. The participants receiving payments under extraction within this SAC.—10 participants receiving payments under this scheme within this SAC.	The Protected Ritised Rig Bestoration Incentive. Scheme	Department of Housing, Local Government and Intelligen (DHLGIV) National Parks and Wildlife Service (NPWS)	2021	National Peatland Stategy
10	Hydriologial regime - water levels, 4.2 Hydriologial regime- flow patterns, 5.1 ramitional areas between high bog and adjacent mineral soils (including cutowar areas), 6.1 Vegetation quality-central cockpop., active flush, soils, bog woodlan, 6.2 Vegetation quality-microtopographical features, 6.3 Vegetation quality-big moss (Sapharum) speces, 7.1 Yipical ARB species floor, 7.2 Typical ARB species floors, 7.2 Typical ARB species floor, 7.2 Typical ARB species floors, 10.2 Vegetation composition: non-native invasive species, 11. Air quality: nitrogen deposition, 12 Water quality	All/Other Relevant Threats and Pressures.		M001 Implement climate change miligation measures	Administrative	A readmap of actions to assist in the activement of dimate change objectives by no later than the end of the year 2050	trelands Climate Action Plan 2024	All Government Departments	2024+	All government policies are cognisant of this plan.
11	1. Habitar avea, 2 i 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 salgatent miseral sold (including cutore areas), 6.1 Vegetarion squality: central excitype, active flow), soaks, bog woodland, 6.2 quality, bog most Splanguarin periors, 1.7 Yipotial ARB speciestics, 7.2 Pypical ARB speciestics, 7.2 Pypical ARB speciestics, 7.2 Hydral ARB speciestics, 7.2 Hy	All/Other Relevant Threats and Pressures.		Mo03 Restoring freshwater, wetlands and coastal habitats impacted by multi-purpose hydrological modifications.	Administrative	Public relations and information dissemination by authorised officers to stakeholders.	NPSS Consecution Banger network and Repicoal. Management apportion at authoristical filters under EC Birds and Natural Habitats Ress. 2011, as, amended.	Department of Housing, Local Government and Heritage (PHLGH)/ National Parks and Wildlife Service (NPWS)	1997+	Climate Action and Low Carbon Development. (Amendment). Act 2021
12	1. Habitat sew 2. 1 Habitat Distribution 3. High Biog Area, 4.1 Hydrological regime - water levels, 4.2 Hydrological regime - flow patterns, 5. Transitional areas between high bog and adjacent mixed sold (including custom eras), 6.1 Vegetation quality, central ecotype, active flows, bog woodland, 6.2 quality, bog most Splagmann psycies, 7.1 Yipold ARB species-floors, 2.7 Hydral ARB species-floors, 2.7 Hydral ARB species-floors, 2.6 Spagethe physical information, 1.0.1 Vegetation composition: native negative indicator species, 1.0.2 Vegetation composition: native negative indicator species, 1.0.1 Vegetation composition: native negative indicator species, 1.0.1 Vegetation composition: native negative indicator species, 1.0.1 Vegetation; 1.0.1 Vegetation, 1.0.	All/Other Relevant Threats and Pressures		MC02 Adapt/manage exploitation of energy resources	Administrative	The publication of a Restoration Plan for this Site	Brown Bog SAC Restoration Plan	Department of Housing, Local Government and Hertinge (PHLGH)/ National Parks and Wildlife Service (NPWS)	2017+	All government plans and policy documents are cognised: of these protections
13	Hydrological regime - water levels, 4.2 Hydrological regime- flow patterns, 5. Transitional rates between high bog and adjoint mineral soils (including cutover areas), 6.1 Vegetation quality, center decupe, active flush, socials, bog woodlen, 6.2 co. saulth; bog most Sphagmani species, 7.1 Typical ABS species from, 7.2 Typical ABS species: flush, 8.2 Elements of local districtiveness, 9. Negative physical indicators, 10.1 Vegetation composition, rather engative indicator species, 10.2 Vegetation composition, room-native invasive species, 11. Air quality: rathogen deposition, 1.2 Waster quality	All/Other Relevant Threats and Pressures		MB01 Prevent conversion of (semi-) natural habitats into forests and of (emi-) natural forests into intensive forest plantation	Statutory	Funting of trees or multi-sensel bioenergy crops if not covered by the Forestry regulations.	European Union Heibitets (Brown Bog Special Area of Conservation 002246) Regulations 2018	Department of Housing, Local Government and Reininge (DHLCI)/ National Parks and Wildlife Service (NP'VS)	2002+	National Peatland Strategy
14		All/Other Relevant Threats and Pressures		MAGS.Adopt moving, grazing and other equivalent agricultural activities (e.g. burning)	Statutory	Concent required for huming, topping, clearing scrob or might vegetation or reseeding if not covered by other regulations.	European Union Hisbitats (Brown Box Special Area of Conservation 002/146) Regulations 2018	Department of Housing, Local Government and Nertilage (DHLGH)/ National Porks and Viffalle Service (NP4S)	2002+	All government plans and polics documents are cognisser of these protections

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Site Specific Conservation Objectives (SSCO): To restore the favourable conservation condition of Active raised bogs in Brown Bog SAC 002346

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:	
15	1. Mobiles tem. 2. Heighted (Derhalbeton, 3. High Beg Area, 4.1 Hydrological regime - weather levels, 4.2 Hydrological regime - weather levels, 4.2 Hydrological regime - flow patterns, 5. Transitional areas between high bog and adjacent mineral solit (including cutower seen), 6.1 Vegetation quality contrologopapsible fatterns, 6.3 Vegetation quality contrologopapsible fatterns, 6.3 Vegetation for the contrologopapsible fatterns, 6.3 Vegetation composition: name from the control fatterns, 1.2 Vegetation composition: name speaker by hydrological forcers, 10.2 Vegetation composition: name where invasives perceives, 1.0.2 Vegetation composition: name vanter invasive speaker, 11. Air quality: nitrogen deposition, 1.2 Water quality	All/Other Relevant Threats and Pressures		MADI Adapt moving, graining and other equivalent agricultural activities (e.g. burning)	Statutory	Controls burning of agricultural waste.	S.I. No. 286 of 2009 Wester Menagement (Prohibition of Waste Disposal by Burning) Regulations 2009.	Inspendional Systems (I make a disconsistent of the second	2009+	Waste Management Act 1996	
16	1. Heibite area, 2. Heibitet (Derivations). 3 High Beg Area, 4.1 Hydrodogical regime - water levels, 4.2 Hydrodogical regime flow patterns, 5. Transitional areas between high bog and adjacent mineral solis (Including cutors ereas), 6.1 Vegetation quality: central exchype, active Brush, soaks, bog woodland, 6.2 Vegetation quality: central exchype, active Brush, soaks, bog woodland, 6.2 Vegetation quality: central exchype, active Brush, soaks, bog woodland, 6.2 Vegetation quality: Capital policy and formation, 6.3 Vegetation quality: Applicat Mail Species; Fauma, 8. Elements of local districtiveness, 9. Segate physical indicator, 10.1 Vegetation composition: nantwell mails beginning to the composition on another insurse species, 1.1 Air quality: nitrogen deposition, 12 Water quality			NADS Adapt moving, graining and other equivalent agricultural activities (e.g. burning)	Statutory	Restricted destruction of vegetation on uncullivated land.	Wildlife Act 1976 as amended	Department of Housing, Local Government and Heritage (DMI-GH)/ National Parks and Wildlife Service (NPWS)	1976	Weldlife Act 1976	
17	1. Hobitat sene, 2. Hobitat Distribution, 3. High Bog Area, 4.1 Hydrodogical regime - water levels, 4.2 Hydrodogical regime - water levels, 4.2 Hydrodogical regime - flow patterns, 5. Transitional areas between high bog and adjacent mineral soli (modding cutower sen), 6.1 Vegetation quality: central exchype, active Brush, soaks, bog woodland, 6.2 Vegetation quality: microtropopyshole factors, 6.3 Vegetation quality: microtropopyshole factors, 6.3 Vegetation quality microtropopyshole factors, 6.3 Vegetation quality and distributions, 9.8 Septime by pixel and factors, 10.3 Vegetation composition: nan-basel invasive species, 1.0 2 Vegetation composition: nan-basel invasive species, 1.1 Air quality; ntrogen deposition, 1.2 Water quality			NBB1 Prevent conversion of (seen)-instant habitats into forests and of gomin) natural forests into intensive fovest plantation	Statutory	Locations and land types of afforestation projects are limited e.g. Forestry constrained to soils with peat depth of 30cm or less.	Lecensing procedure via Forestry Regulations 2017 (S.I. No. 191 of 2017), as amended.	Marine (DAFM)/Forestry Division	2017+	National Biodiversity Action Plan	
18	2. Habitat area, 2. Habitat Distribution, 3. High Bog Area, 4.1 Hydridogical regime - water levels, 4.2 Hydriogical regime - flow patterns, 5. Transitional areas between high bog and adjectent imensi look (including cutower sees), 6.1 Vegetation quality, microtropographical features, 6.3 Vegetation quality, bog most Sephgarum) papiera, 7. Pypical ARB species floor, 2.7 Pypical ARB species floor, 2.7 Pypical ARB species floor, 3.0 September of the property o			MC02 Adapt/mavage exploitation of energy resources	Statutory	Control of activities, if not covered by other regulations, which could negatively impact on Brown Bog SAC.	European Union Habitats (Brown Ros Special Area of Conservation 002146) Regulations 2018	emment and Heritage (DHLGH) National	2002+	meent plans and policy documents are cognisant of these p	Rections