Site Name: Kilcarren-Firville Bog SAC 647

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: non-native 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 Kilcarren-Firville Bog SAC 000647.
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 Kilcarren-Firville Bog SAC 000647.

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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)  1. Habitat area, 2. Habitat Distribution, 3. High Bog Area, 4.1	(EU Code 2025)		(EU Code 2019-2024) MF08 Manage changes in hydrological and coastal	- '	Regulation controlling development including associated drainage.	S.I. NO. 600/2001 - Planning and Development	responsibility  Local Authority (Roscommon County	timeframe	
1	Hydriologial regime - water levels, 4.2 Hydriologial regime- flow patterns, 5. Tramillional reas between high bog and adjacent mineral soils (including cutower resen), 6.1 Vegetation quality- central control of the control of the control of the control soils, to go excolland, 6.2 Vegetation quality- central of the control of the control of the control of the Schapmung begrein 2.1 Yipidial ARB species from, 7.2 Typidial ARB species: fauna, 8. Elements of local distinctiveness, 9. Negative physical indicators, 10.1 Vegetation composition: non-native invasive species, 10.2 Vegetation composition: non-native invasive species, 12 Water quality	PLOZ Drainage (mixed or unknown drivers)	High	MVG Manage changes in hydrological and coastal systems and regime for construction and development (incl. restoration of habitats).  MVG Manage changes in hydrological and coastal enterem	Statutory		Regulations 2001, as amended	Council An Bord Pleansls (ABP)	2001+	All government plans and policy documents are cognisant of these protections
2	1. Habitat eve. 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 soli (including cutower seas), 6.1 Vegetation quality—central ecotype, active Brush, soaks, bog woodland, 6.2 Vegetation quality—incrotropopysholic Brush, 6.3 Vegetation quality—flow most (Sphagnum) species, 7.1 Typical ARB species. Trans. G. Elements of local districtiveness, 5. Negative physical indicators, 10.2 Vegetation composition: rate regulate midstarts species, 10.2 Vegetation composition: rate masket invasite species, 22 Vester quality	PLOZ Drainage (mixed or unknown drivers)	High	MGB Managerchangen in hydrological and coastal systems recommended and development final restoration of habitata,	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 Habilitats (Blommo: Fryille Biog. Joseph Rev. of Contensation (1006-87) Regulation.	Department of Housing, Local Government and Heringe (IPHLEII) National Parks and Wildlife Service (NPWS)	1997+	All government plans and policy documents are cognisant of these protections
3	1. Habitat area, 2. Habbat Distribution, 3. High Bog Area, 4.1 Hydrological regime - water levels, 4.2 Hydrological regime from patterns, 5. Institutional areas between high Dog and comparts of the patterns of the pattern	PLO2 Drainage (mixed or unknown drivers)	High	MESS Manage changes in hydrological and countal systems and regimes to construction and development (find, restoration of habitatiq.	Statutory	Consent required for drainage works including digging, deepening, widening or blocking a drain, watercourse or waterbody if not covered by other regulations.	European Linion Habitats Litikarren - Eivelle Bog- Special Area of Conservation 0000477 Regulations 2021	Department of Housing, Local Government and Heritage (DHLGH)/ National Parks and Widdle Service (NPWS)	1997+	All government plans and policy documents are cognisant of these protections
4	1. Nabitar izes, 2. Habitar (Istribution), 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 sols (Including cutows areas), 6.1 Vegetation quality, central ecotype, active flush, oxids, bog woodland, 6.2 Vegetation quality; bog most (phayaman) species, 7.3 Typical ABB species, 16xx, 7.2 Typical ABB species, 16xx, 7.2 Typical ABB species, 16xx, 7.2 Typical ABB species, 16xx, 7.3 Typical ABB species, 16xx,	PA22 Drainage for use as agricultural land	High	MA31 Meages agricultural distinger and water abstraction from: the netosation of drained or hydrologically altered habitats).	Statutory	Consent required for new land drainage and irrigation works on land- used for agriculture.	S.13to. 355/2011 ECRIA (Agriculture) Regs. 2011 , as amended	Department of Agriculture Food and Martine (DAFM)	2011+	All government plans and policy documents are cognisant of these protections
5	Hydrological regime - water levels, 4.2 Hydrological regime- flow patterns, 5.1 remilional reas between high bog and adjacent mineral soils (including cutower areas), 6.1 Vegetation quality-central ecopyes, active flush, sooks, bog woodland, 6.2 Vegetation quality-central incrotogogypatical feature, 6.3 Vegetation quality-log moss (pishagamun) species, 7.1 Typical ARB species: Rosa, 7.2 Typical ARB species: Tunas, 6.8 Clements of local distinctiveness, 9. Negative physical indicators, 10.1 Vegetation composition convasion livrative species, 12 Vegetation composition convasion livrative species, 12 Vegetation composition convasion livrative species, 12 Vegetation composition	PA22 Drainage for use as agricultural land	High	MA13 Manage agricultural drainage and water abstraction (incl. we restonation of drained or hydrologically altered habitats)	Administrative	Monitoring and reporting of relevant farm activity at the SAC Direct imprections for DAM Conditionality complex or via other state Authorities (via Cross Reporting) to Integrated Controls Division in DAM.	Consensation Ranger Site monitoring, (Cross. Compliance)	Department of Agriculture Food and Marine (DAFM)	1997+	All government plans and policy documents are cognised of these protections
6	1. Habitat area, 2. Habitat Distribution, 3. High Bog Area, 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 solic floriduding cutows areas, 16. 1 Vegetation quality- central ecotype, active flush, ooks, bog woodband, 6.2 Vegetation quality- bog most, bog woodband, 6.2 Vegetation quality- bog most polygonary in practice. 2.2 Hydral All Species Even. 7.2 Hydral All Species E		Low	MCDI. Adapt/manage extraction of non-energy resources	Administrative	The voluntary log purchase scheme was established to faciliste the purchase of log furthurary rights. with for preparents: 141.71 Acres of Freehold purchased in 11 transactions.		Department of Housing, Local Government and Hending (DHLGH) National Parks and Wildlife Service (NPWS)	2022+	National Raised Bog SAC Management Plan 2017-2022.
7	1. Habitat urea. 2. Habitat Distribution, 3. High Bog Area. 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 solic floridading catower areas, 16. 1 Vegetation quality: central ecotype, active flush, oaks, bog woodband, 6.2 Vegetation quality; bog most, bog woodband, 6.2 Vegetation quality; bog most, and a second of the control of the co	PCOS Peat Extraction	Low	MCDL Adapt/manage extraction of non-energy resources	Administrative	The Petatischia and Natura Community Engagement Scheme convogrecommunities, Cool organisations, and other parties to become involved in the enhancement of the SAC site and raise awareness	Pestitands and Natura Community Engagement scheme	Department of Housing, Local Government and Hentrage (MHGM) National Parks and Widlife Service (NPVS)	2022+	Distributed 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	(Attributes as per SSCO)  1. Habitat area, 2. Habitat Distribution, 3. High Bog Area, 4.1	(EU Code 2025) PCOS Peat Extraction	Low	(EU Code 2019-2024) MC01 Adapt/manage extraction of non-energy	Contractual/Administrative	Cessation of Turf Cutting compensation Scheme (CTCCS) to incentivis		responsibility Department of Housing, Local	timeframe 2011+	National Peatland Strategy
	hydrological regime - water levels, 4.2 Hydrological regime - flow patterns, 5. Transitional ress between high bog and adjacent mineral soils (including cutower areas), 6.1 Vegetation quality, central ecopyer, active flush, tooks, bog woodland, 6.2 Vegetation quality, tooks, bog woodland, 6.2 Vegetation quality, tooks, bog woodland, 6.2 Vegetation quality, tooks, bog woodland, 6.2 Vegetation quality, formation, and the pattern of the pattern of the pattern of the charge with perfect of local distinctiveness, 9. Regative physical indicators, 10.2 Vegetation composition: native negative indicator species, 10.2 Vegetation composition: on-rastive insulves persons, 12 West quality, 10.2 Vegetation composition:	- 100 ann atti		mcg. Collegensunger ear action or november gy	ALIVE	the reastion of peat entraction exhibit within raised log SACs. Currently there is no peat estraction within this SAC. 6 Landowners availed of the scheme.	and a second distrib	Government and Heritage (DMCH)/ National Parks and Wildlife Service (NPYS)		
9	I Mainta raw. 2 Habitat Distribution, 2 High Bog Area, 4.1 Hydrologial regime - water lenke, 4.2 Hydrologial regime - water lenke, 4.2 Hydrologial regime - flow patterns, 5. Transitional areas between high bog and adjacent mineral soils (including cutows areas), 6.1 Vegetation quality: central ecotype, active flush, tooks, bog woodands, 6.2 Vegetation quality; bog most soils, bog woodands, 6.2 Vegetation quality; bog most add species, flush, 8.5 Element of local distributionsens, 5. Regative physical indicators, 10.1 Vegetation composition: native length of the distribution of t	PCOS Peat Estraction	Low	MCDI.Adapt/manage extraction of non-energy resources	Administrative	The Protected Raised Rog Locardor Programs (PRRISTS) is a once of season based compensation and land purchase scheme. Currently then is no peat extraction within this SAC.	If The Protected Raised Bog Restoration Incentive sidness	Department of Housing, Local Government and Hertinge (PM-GH) National Parks and Wildlife Service (NPWS)	2021	National Peatland Strategy
10	Libbiat erra, 2. Habbat Dirivibulion, 3. High Bug Area, 4.1 Hydrological regime - water levels, 4.2 Hydrological regime - flow patterns, 5. Transitional areas between high bog and adjacent mineral soils (including cutower areas), 6.1 Vegetation quality-central ecotype, active flush, tools, bog woodland, 6.2 Vegetation quality-p long most solds, bog woodland, 6.2 Vegetation quality-p long most ASB species: fama, 6.8 Elements of local districtioners, 5. Negative physical indicators, 10.1 Vegetation composition rather negative indicators process, 10.2 Vegetation composition rather invasive species, 11. Air quality, nitrogen deposition, 12. Water quality	All/Other Relevant Threats and Pressures.		MIOI Implement climate change miligation 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	Icelands Climate Action Plan 2024	All Government Departments	2024+	All government policies are cognisant of this plan.
11	Libbiat zero, 2. Habitat Dirubsion, 3. High Bag Area, 4.1 Hydroligical regime - water levels, 6.2 Hydroligical regime - flow patterns, 5. Transitional areas between high bag and adjacent mineral solis (including cutows uses). 6.1 Vegetation quality: central ecotype, active Birub; acusts, bog woodland, 6.2 Vegetation quality: bog most (phagman) project. 7.3 Pipicial ABB specie: flora, 7.2 Pipicial ABB specie: flora, 1.2 Regional ABB specie: florans, 8. Elements of local distinctiveness, 9. Registre physical indications, 10.3 Vegetation composition: native registre indicates species, 10.3 Vegetation composition: our wratter invasive species, 11 Air quality: nitogen disposition, 12 Vester quality.	All/Other Relevant Threats and Pressures.		MXDI Restoring freshwater, wellands and coastal habitats impacted by multi-purpose hydrological modifications.	Administrative	Public relations and information dissemination by authorised officer to stakeholders.	NRYS Consension Regue restorch and Resicoal Messagement speciented as Authorised Officers under S.C. Birch and Natural Habitats Roys. 2011, 85. amended.	Department of Housing, Local Government and Intelligen (MILEIT) National Parks and Wildlife Service (NPWS)	1997+	Cimate Action and Low Carbon Development (Amendment) Act 2021
12	1. Habitat area, 2. Habitat Distribution, 3. High Bog Area, 4.1 hydrological regime—water lenke, 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 flisch, socials, bog woodland, 6.2 Vegetation quality; loog moss (bylagman) species, 7.2 Typical ARB species: flora, 7.2 Typical ARB species: flora, 7.2 Typical ARB species: flora, 7.3 Typical ARB spe	All/Other Relevant Threats and Pressures		MC02 Adapt/manage exploitation of energy resources	Administrative	The publication of a restoration plan at this site.	Silcarren Fiville Bog SAC Restoration Plan	Department of Housing, Local Government and Herming (PMLGH) National Parks and Wildlife Service (NPVS)	2017+	All government plans and policy documents are cognisent of these protections
13	1. Habitat area, 2. Habbat Distribution, 3. High Bog Area, 4.1 Hydribogical regime—water levels, 4.2 Hydribogical regime—water levels, 4.2 Hydribogical regime—water levels, 4.2 Hydribogical regime—disperation and solid professional regime and solid professional regime and solid professional regime area, 6.1 Vegetation quality; loog most Gobgamung species, 7.2 Typical ARB species: frant, 8. Elements of local distinctiveness, 9. Regime physical indication, 10.1 Vegetation composition: nature registre indicates species, 10.2 Vegetation composition: nature registre indicates species, 11 Air quality; nitrogen deposition, 12 Verlier quality.	All/Other Relevant Threats and Pressures.		MB03 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 Habbats I (Ricarren - Fivelle Bog Special Area of Conservation 000647) Regulations 2021	Department of Housing, Local Government and Interlage (DHLGH)/ National Prints and Vidilitie Service (IPPWS)	1997+	National Pestland Strategy
14	1. Habitat area, 2. Habitat Distribution, 3. High Bog Area, 4.1 Hydribogical regime—water levels, 4.2 Hydribogical regime—water levels, 4.2 Hydribogical regime—water levels, 4.2 Hydribogical regime—water levels, 4.2 Hydribogical regime and disperation from the light disperation from the light disperation from the light disperation regime of the light disperation guality; contacts, bog woodlands, 6.2 Vegetation quality; loop most folkpamum spores; 7.2 Typical ARB species: from, 7.2 Lypical ARB species: from, 7.2 Typical A	All/Other Relevant Threats and Pressures.		MADS Adapt mowing, grazing and other equivalent agricultural activities (e.g. burning)	Statutory	Consent required for burning, topping, clearing sorub or rough vegetation or reseeding if not covered by other regulations.	European Union Habbats (Klearen - Faville Bog Special Area of Contervation 000647) Regulations 2021	Department of Housing, Local Covernment and Heritage (DHLCH)/ National Profes and Widdle Service (NPWS)	1997+	All government plans and policy documents are cognisant of these protections

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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:
	(EU Code 2025)	(EU Code 2019-2024)				responsibility	timeframe	
15	All/Other Relevant Threats and Pressures	MAGS Adapt moving, grazing and other equivalent agricultural activities (e.g. burning)	Statutory	Controls burning of agricultural waste.		Department of the funvionment, Climate and Communications following consultation with the Department of Agriculture, Food and the Marine.	2009+	Waste Management Act 1996
16	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.		Department of Housing, Local Government and Heritage (PMLGHJ/ National Parks and Wildlife Service (NPWS)	1976	Whighfe Act 1976
17	All/Other Relevant Threats and Pressures	MC02 Adapt/manage exploitation of energy resources	Statutory	Control of activities, final covered by other regulations, which could negatively impact on Kilcarren-Firville B og SAC.	European Union Hisbaths I (Bioarmen, Fredite Box, Secretal Area of Conservation 000647 ) Regulations, 2022	Department of Housing, Local Government and Hentinge (DM.GH) National Parks and Wildlife Service (NPWS)	1997+	All government policies are cognisant of these Regulations.

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