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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N		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) 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 (Roscommon County	timeframe 2001+	All government plans and policy documents are cognisant
	Hydrological regime - water feeth, 2.2 hydrological regime- flow patterns, 7. transitional areas between high bog and adjournt mineral soils (including outcore areas), 6.1 Vegation quality, certain decopys, active flush, areas), 6.1 Vegation quality, certain decopys, active flush, micrologographical features, 6.3 Vegatation quality to bog moss Sphagmung speece; 12 yargus Alla Speeces: flox, 7.2 Typical Alla Speece: flush, 8. Elements of local distinctiveness, 9. Negative physical indicates; 10.1 Vegation composition: native registive indicator process, 10.2 Vegations composition: now native imastes specifis, 12 Water quality	unknown drivers)		systems and regimes for construction and development (incl. restoration of habitats).	,		Sepulations 2001, as amended	Council)/An Bord Pleanála (ABP)		of these protections
	1. Hobbat area, 2. Hobbat Distribution, 3. High Bog Area, 4.1 Hydrodgolar largine—flow patterns, 5. Transitional area between high bog and adjacent internal solic (including cutors erras), 6.1 Vegetation quality central ecotype, active flush, soaks, bog woodland, 6.2 Vegetation quality incritopographical floatures, 6.3 Vegetation quality bog moss (pichagumu) species, 7.1 Typical ARB species frame, 8.6 period float of the species floature, 6.3 Vegetation quality bog moss (pichagumu) species, 7.1 Typical ARB species frame, 8.6 elements of local distributions, 9.2 Vegetation patterns, 9.2 Vegetation quality of the graphical indicators, 10.3 Vegetation composition: mid-register edication species, 10.2 Vegetation composition: non-native Invasive spraces, 12 Veder quality	PLO2 Drainage (mixed or unknown drivers)	High	MITER Manage changes in hydrological and coastal systems and regimes for contacts and regimes for contaction and development (incl. restoration of habitats).	Statutory	Consent required for works on, or alterations to the lashis, bed or flow of a drain watercourse or waterbody, if not covered by other regulations.	European Union Habitats (Eleanno - Freille Bog. Sectal Area of Concervation 100647) Regulations. 2021	Department of Housing, Local Government and Herting (IMI-LGI) National Parks and Widdle Service (NPWS)	1997+	All government plans and policy documents are cognisant of these protections
	Hebitat area, 2. Habitat Distribution, 3. High Bog Area, 4.1 Hydrological regime - water feeth, 4.2 Hydrological regime - flow patterns, 5. Transitional areas between high bog and adjuvent mineral ioib (including cutover survey), 4.2 Hydrological regimes, 6.2 Hydrological regimes, 6.2 Hydrological regimes, 6.2 Hydrological regimes, 6.3 Hydrological	PLO2 Drainage (mixed or unknown drivers)	High	MMOB Manage changes in hydrological and coastal systems and regimes for construction and development (incl. restoration of habitats).	Statutory	Consent required for drainage works including digging, deepening, widening or blocking a drain, watercourse or waterbody) if not covered by other regulations.	European Union Halbitats I Elizaren - Frville Bog- Special Area of Conservation 000647 Regulations 2021	Department of Housing, Local Government and Heritage (DHLCH)/ National Paris and Widdle Service (NeWs)	1997+	All government plans and policy documents are cognisant of these protections
	1. Hobbas Dischaufers, 2. High Beig Der, 4.1 1. High Beig Der, 4.1 1. High Deig Der, 4.1 1. High Der, 4.1 1. Hi	PA22 Drainage for use as agricultural land	High	MA31 Meaging aground under a distinguity and water abstraction (sect. the restoration of drained or hydrologically attered habitaty).	Statutory	Consent required for new land drainage and arrigation works on land used for agriculture.	S.11to. 355/2011 EC RIA (Agriculture) Reps. 2011, as amended	Department of Agriculture Food and Marine (DAFM)	2011+	All government plans and policy documents are cognisant of these protections
	1. Hobbat area, 2. Hobbat fortradiens, 3. High Bigs Area, 4.1 Hydrodgotal regime - water feeks, 4.3 Hydrodgotal regime - flow patterns, 5. Transitional area between high big and adjuent mieras loss) (including cators), and the state of	PA22 Drainage for use as agricultural land	High	MA31 Manage agricultural dramage and water abstraction (incl. eventoration of drained or hydrologically altered habitats)	Administrative	Monitoring and reporting of relevant form activity at the SAC Exect imperations for Dall Conditionality compliance or via other state Authorities (via Cross Reporting) to integrated Controls Division in DARM.	Conservation Ranger Site monitoring, (Cross, Compliance)	Department of Agriculture Food and Martine (DAFM)	1997+	All government plans and policy documents are cognisant of these protections
	Hydrodigical regime - water feeth, 2.2 hydrodigical regime- flow patterns, 7. frantiscional arese between high bog and adjournet mineral soils (including utoroer areas), 6.2 hydration quality, certail excellent, 9.2 hydrodigical results, 6.2 hydration quality, certail excellents, 9.2 hydrodigical microdoggraphical features, 6.3 hydration quality hydrodigical microdoggraphical features, 6.3 hydration quality hydrodigical policy of the property of the property of the property of the property of the property of the property of the property of the Negative physical indicators, 10.2 hydration composition: can be register included property of the property of the control of the property of the property of the property of the new patterns of the property of the pr		Low	MCQ1.Adapt/manage extraction of non-energy resources	Administrative	the voluntary log guschase cheme was established to facilitate the purchase of log fundulary rights. which represents: 141.71 Acres of Freehold purchased in 11 transactions.		Department of Housing, Local Government and Heritage (DHLCH)/ National Parks and Wridtle Service (NPWS)		Sational Rained Bog Sof. Management Plan 2017-2022.
	1. Hobbat area, 2. Hobbat Distribution, 3. High Bog Area, 4.1 Hydrodigolar largine—water feeks, 4.2 Hydrodigolar largine—flow patterns, 5. Transitional areas between high bog and adjacent internal soils (including cancer) areas, 6.1 Vegetation quality; central ecotype, active flund, soaks, bog woodlood, 6.2 Vegetation quality; microopographical features, 6.3 Vegetation quality; microopographical features, 6.3 Vegetation quality; be most possible of the source	PCOS Peat Extraction	Low	MCD1 Adapt/manage extraction of non-energy resources	Administrative	The Pestateds and Natura Community Engagement Scheme encourage community, local organisation and other parties to become involved in the enhancement of the SAC site and raise awareness.	Estitants and Natura Community Engagement. Scheme	Department of Housing, Local Government and Herting (DHLGH) National Parks and Widiffe Service (NPWS)	2022+	National Bainerd Bog SAC Management Plin 2037-2022

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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:
L-	(Attributes as per SSCO)	(EU Code 2025)		(EU Code 2019-2024)	**************************************		responsibility	timeframe	No. of the state o
8	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 cutows areas), 6.1 Vegetation quality- central ecopyer, active flush, tooks, bog woodland, 6.2 Vegetation quality- long most (phignamy) species, 7.3 Typical ABI species: floars, 6.3 Wegetation quality- log most (phignamy) species, 7.3 Typical ABI species: floars, 6.3 Elements of local distinctionenses, 9. Negative physical indicators, 10.1 Vegetation composition: native negative indicator species, 10.3 Vegetation composition: on-reable insulates species, 12.7 Water gates.	PCOS Pest Extraction	Low	MCO1 Adapt/manage extraction of non-energy resources	Contractual/Administrative	Crasation of Tuf Cutting compensation Scheme (CTCCS) to incentive: [Inf Cutting Compensation Scheme the cessation of pear furnification Scheme the cessation of pear furnification within this SAC. 6 Landowners availed of the scheme.	Department of Hoscing, Local Government and Heritage (DHLGH)/ National Paris and Wildlife Service (NPWS)	2011+	National Peetland Strategy
9	1. Hobita serus, 2. Hobitat Distribution, 3. High Bog Area, 4.1 Hydrological regime - weath review, 4.2 Hydrological regime - weath review, 4.2 Hydrological regime - flow patterns, 5. Transitional areas between high bog and adjacent mineral soils (Including cutows areas), 6.1 Vegetation quality - central ecopys, active flush, tooks, bog woodlands, 6.2 Vegetation quality - tools, bog woodlands, 6.2 Vegetation quality - tools, bog woodlands, 6.2 Vegetation quality - tools, bog woodlands, 6.2 Vegetation distributions, 5.3 Pagical Alla species: Enanc. 2.2 Typical ARB species: Enanc. 2.2 Typical ARB species: Enanc. 3.2 Pagical ARB spe	KOS Peat Estraction	Low	McDL Adapt/manage extraction of non-energy resources.	Administrative	The Protected Raised Rigo Incombre Programs (PRRINCS) is a once of Protected Raised Rigo Restoration Incentive Scheme in no peat extraction within this SAC.	Department of Housing, Local Government and Heritage (Hold)/National Paris and Wildlife Service (NPVS)	2021	National Peetland Stategy
10	1. Habitat sews, 2. Habitat Distribution, 3. High Beg Ares, 4.1 Hydrological regime - water levels, 4.2 Hydrological regime - flow patterns, 5. Transitional areas between high bog and adjacent mineral soils (Including cutows areas), 6.2 Hydrological regime - areas, 6.2 Hydrological regime - area	Al/Other Relevant Threats and Pressures.		MIDI Implement climate change mitigation measures	Administrative	A roadings of actions to social in the achievement of dimate change objectives by no later than the end of the year 2050	All Government Departments	2024+	All government policies are cognisant of this plan.
11	1. Habitat eva, 2. Habitat (Dirintation, 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 sols (Including cutower areas), 6.1 Vegetation qualify; central ecotype, active flisch, ooks, bog woodland, 6.2 Vegetation qualify; log most (phagmany) species, 12.3 Pipical ABB species: floars, 8. Elements of local distinctiveness, 9. Negative physical indicates, 10.1 Vegetation composition: nature engater lemination general production of the control of the con	All/Other Relevant Threats and Pressures		MXQ3 Reatoring freshwater, wellands and coastal habitats impacted by multi-purpose hydrological modifications.	Administrative	Public relations and information dissemination by authorised officers to stakeholders. WAYS Conservation Baseer network and Repicted. Management agreeted as Authorised Officers are E.G. Birds and Natural Habitatis Regs. 2011. as amended.	e perment of Housing, Local Government and Hortiage (DH.64)! Mational Paris and Widdle Service (NPWS)	1997+	Clamate Action and Low Carbon Development, (Amendment) Act 2021
12	Habitat area, 2. Habitat Distribution, 3. High Bog Area, 4. 1 Hydrological regime - water levels, 4.2 Hydrological regime and dispert mirreat loss (Including cattern) and subject mirreat loss (Including cattern water), 4.1 Vegetation quality: Long most behavior of the control of the co	All/Other Relevant Threats and Pressures.		MC02 Adapt/manage exploitation of energy resources	Administrative	The publication of a restoration plan at this site. Elearers Findle Bog SAC Restoration Plan	Department of Housing, Local Government and Heritage (DHCRIV) National Plack and Wildlife Service (MWKs)	2017+	All government plans and policy documents are cognisant of these profestions
13	1. Habitat sews, 3. Habitat Directivation, 3. High Bag Area, 4.1 High Talgor, 4.2 High Talgor, water levels, 4.2 High Talgor, 4.2 High Talgor, water levels, 4.2 High Talgor, 4	All/Other Relevant Threats and Pressures.		1800. Prevent conversion of (pemi-) natural habitati- isno forests and of (pemi-) natural forests into intensive forest plantation	Statutory	Parting of trees or multi-annual bioenergy crops if not covered by the General yregulations. General Area of Commentation 0006471 Regulations 2023	Department of Housing, Local Government and Horising (INI-GIV) National Paris and Widdle Service (NPWS)	1997+	National Peatland 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	Implementation	Integration with high level plans/policy:
14	(Intributes as per SSOO) 1. Hight area, 2. Habitat a trait, published Distribution, 3. High Bog Area, 4.1 Hydrological regime - water levels, 4.2 Hydrological regime - water levels, 4.2 Hydrological regime and the state of th	(BU Code 2025) Al(Other Relevant Threats and Pressures.		(RU Code 2019-2024) MAGG Adapt moving, graining and other equivalent agricultural activities (e.g. burning)	Statutory	Consent required for burning, topping, clearing scrub or rough wageration or reseeding if not covered by other regulations.	Curopean Union Habitats Cilcarren - Peville Rog, Special Area of Conservation 0006471 Insculations 2001	responsibility Department of Housing, Local Government and Heritage (BHC6H) National Park (BHC6H) National Par	timeframe 1997+	All government plans and policy documents are cognized of these protections
15	I Habbitt area, 2: Habbitt Distribution, 3: High Bog Area, 4.1 hydrological regime is mater break, 4.2 Hydrological regime is mater break, 4.2 Hydrological regime is more an experimental processing and adjacent mineral soils (including cutower areas), 6.1 Vegetation quality; central, 6.2 Vegetation quality; careas), 6.1 Vegetation quality; consist, bog woodland, 6.2 Vegetation quality; bog most (polymenum) species, 7.2 Hygral AMB species. Eno., 2.2 Typical Magertee physical indicators, 10.1 Vegetation composition: native negative indicators process, 10.2 Vegetation composition: native negative indicators process, 10.2 Vegetation composition: on-mathic invasive species, 1.1 Air quality; nitrogen deposition, 12 Water quality	All/Other Relevant Threats and Pressures.		MAOS Adapt moving, grazing and other equivalent agricultural activities (e.g. lburning)	Statutory	Controls burning of agricultural waste.	S.J. No 286 of 2009 Waste Management (Prohibition of Waste Disposal by Burning) Regulations 2002	Opportment of the Environment. Climate and Communications following to a constraint of the Communication of the Communication with the Department of Agriculture, Food and the Marine.	2009+	Waste Management Act 1996
16	1. Höbitat rees, 2. Höbitat Distribution, 3. High Bog Ares, 4.1 Hydrological regime - water leeks, 4.2 Hydrological regime - water leeks, 4.2 Hydrological regime flow patterns, 5. Transitional areas between high bog and adjectent innerso lost (including cutower areas), 6.1 Vegetation quality: central ecotype, active flinth, osaks, bog woodlands, 6.2 Vegetation quality; by microtographical features, 6.2 Vegetation quality; by composition of the c	AU/Other Relevant Threats and Pressures.		MARIA Adapt moving, graining 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 (DHLGN)/ National Parks and Wildfile Service (NPWS)	1976	Wildlife Act 1976
17	1. Hobitat serve, 2. Hobitato 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 sols (including cutower areas), 6.1 Vegetation quality: central ecotype, active flush, sols, bog woodlands, 6.2 Vegetation quality: microtogographical features, 6.3 Vegetation quality: bog moss (Sohpamum) species, 7.2.7 Pipicial ARB species: floor, 7.2 Tipicial ARB species: floor, 7.2 Tipicial ARB species: floor, 7.3 Lipicial ARB species: floor, 7.3	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 Kilcarren-Firville Bog SAC.	d European Union Habitats I, Elizarren - Frville Bog. Social Area of Conservation 000647; Repulations. 2021	Department of Hoxinig, Local Government and Heritage (DHLGH)/ National Parks and Wildlife Service (NPWS)	1997+	All government policies are cognisant of these Regulations.

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