Site name: **White Lough, Ben Loughs and Lough Doo SAC 001810**
County: **Meath, Westmeath**

Site Specific Conservation Objective (SSCO) Ecological Attributes

[1092] White-clawed Crayfish (Austropotamobius pallipes)

1	Distribution
2	Population structure: recruitment
3	Population size
4	Negative indicator species
5	Disease
6	Water quality
7	Habitat quality: heterogeneity

[3140] Hard oligo mesotrophic waters with benthic vegetation of Chara spp

1	Habitat area
2	Habitat distribution
3.1	Vegetation composition: typical species
3.2	Vegetation composition: characteristic zonation
4	Vegetation distribution: maximum depth
5	Hydrological regime: water level fluctuations
6	Lake substratum quality
7	pH and Alkalinity
8	Nutrients
9	Water colour
10	Dissolved organic carbon (DOC)
11	Turbidity
12	Transparency
13	Attached algal biomass
14	Fringing habitat: area and condition

Site name: White Lough, Ben Loughs and Lough Doo SAC 001810
Habitat/Species: [1092] White-clawed Crayfish Austropotamobius pallipes
(SSCO): To maintain the favourable conservation condition of [1092] in SAC 001810

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. Distribution, 2. Negative indicator species, 3. Disease, 4. Water Quality, 5. Habitat quality: heterogeneity	PI01 Invasive alien species of Union concern	Low	MI02 Management, control or eradication of established invasive alien species of Union concern	Statutory	Regulates the introduction, breeding, and transport of non-native crayfish species in Ireland to protect the native white-clawed crayfish, particularly within this SAC.	European Union (Invasive Alien Species) (Freshwater Crayfish) Regulations 2018	Department of Housing, Local Government and Heritage (DHLGH)/National Parks and Wildlife Service (NPWS)	2018+	All government plans and policy documents are cognisant of these protections
2	1. Distribution, 2. Negative indicator species, 3. Disease, 4. Water Quality, 5. Habitat quality: heterogeneity	PI04 Plant and animal diseases, pathogens and pests	Medium	MI06 Controlling and eradicating plant and animal diseases, pathogens and pests	Administrative	Awareness of "Check, Clean and Dry" protocol. Check all wet gear (boats, clothing and equipment) for any silt or mud, plant material or animals before being cleaned and finally dried. Disinfectant or hot water (over 40 degrees Celsius) should be used to clean all equipment and this should be followed by a 24 hour drying period.	Check Clean Dry Campaign	National Biodiversity Data Centre	2022+	All government plans and policy documents are cognisant of these protections
3	1. Distribution, 2. Negative indicator species, 3. Disease, 4. Water Quality, 5. Habitat quality: heterogeneity	PI04 Plant and animal diseases, pathogens and pests	Medium	MI06 Controlling and eradicating plant and animal diseases, pathogens and pests	Statutory	Consent is required for stocking or re-stocking with fish, if not covered by other regulations.	European Union Habitats (White Lough, Ben Loughs and Lough Doo Special Area of Conservation 001810) Regulations 2021	Department of Housing, Local Government and Heritage (DHLGH)/National Parks and Wildlife Service (NPWS)	1999+	All government plans and policy documents are cognisant of these protections
4	1. Distribution, 2. Negative indicator species, 3. Disease, 4. Water Quality, 5. Habitat quality: heterogeneity	PI04 Plant and animal diseases, pathogens and pests	Medium	MI06 Controlling and eradicating plant and animal diseases, pathogens and pests	Statutory	Consent is required for the introduction or re-introduction, of plants or animals not found in the area, if not covered by other regulations. [Consent is not required for the planting of crops on established reseeded grassland or cultivated land.]	European Union Habitats (White Lough, Ben Loughs and Lough Doo Special Area of Conservation 001810) Regulations 2021	Department of Housing, Local Government and Heritage (DHLGH)/National Parks and Wildlife Service (NPWS)	1999+	All government plans and policy documents are cognisant of these protections
5	1. Distribution, 2. Negative indicator species, 3. Disease, 4. Water Quality, 5. Habitat quality: heterogeneity	PI01 Invasive alien species of Union concern	Low	MI02 Management, control or eradication of established invasive alien species of Union concern	Statutory	Consent is required for cutting, uprooting or otherwise removing plants, if not covered by other regulations. [Consent is not required for harvesting of cultivated crops, or for grazing or mowing.]	European Union Habitats (White Lough, Ben Loughs and Lough Doo Special Area of Conservation 001810) Regulations 2021	Department of Housing, Local Government and Heritage (DHLGH)/National Parks and Wildlife Service (NPWS)	1999+	All government plans and policy documents are cognisant of these protections
6	1. Distribution, 2. Negative indicator species, 3. Disease, 4. Water Quality, 5. Habitat quality: heterogeneity	PI02 Other invasive alien species (other than species of Union concern)	Low	MI02 Management, control or eradication of established invasive alien species of Union concern	Statutory	Regulation relating to Invasive Alien Species.	European Union (Invasive Alien Species) Regulations 2024	Department of Housing, Local Government and Heritage (DHLGH)/National Parks and Wildlife Service (NPWS)	2024+	All government plans and policy documents are cognisant of these protections
7	1. Distribution, 2. Negative indicator species, 3. Disease, 4. Water Quality, 5. Habitat quality: heterogeneity	PI02 Other invasive alien species (other than species of Union concern)	Low	MI02 Management, control or eradication of established invasive alien species of Union concern	Statutory	Consent is required prior to the application of pesticides, including herbicides, if not covered by other regulations. [Consent is not required for these activities on established reseeded grassland or cultivated land provided it is greater than 20m from a river, stream or floodplain; or greater than 50m from a wetland, lake, turlough or pond.]	European Union Habitats (White Lough, Ben Loughs and Lough Doo Special Area of Conservation 001810) Regulations 2021	Department of Housing, Local Government and Heritage (DHLGH)/National Parks and Wildlife Service (NPWS)	1999+	All government plans and policy documents are cognisant of these protections
8	1. Distribution, 2. Negative indicator species, 3. Disease, 4. Water Quality, 5. Habitat quality: heterogeneity	All/Other Relevant Threats and Pressures	N/A	MA - Measures related to agricultural practices and agriculture-related habitats	Contractual	67% uptake of eligible participants (24) in the voluntary Agri-Climate Rural Environment Scheme (ACRES).	Agri-Climate Rural Environment Scheme (ACRES)	Department of Agriculture, Food and the Marine (DAFM)	2022	CAP Strategic Plan
9	1. Distribution, 2. Negative indicator species, 3. Disease, 4. Water Quality, 5. Habitat quality: heterogeneity	All/Other Relevant Threats and Pressures	N/A	MA - Measures related to agricultural practices and agriculture-related habitats	Contractual	Production of an accredited Farm Sustainability Plan by 100% of participants in the Agri-Climate Rural Environmental Scheme (ACRES).	Agri-Climate Rural Environment Scheme (ACRES)	Department of Agriculture, Food and the Marine (DAFM)	2022	CAP Strategic Plan
10	1. Distribution, 2. Negative indicator species, 3. Disease, 4. Water Quality, 5. Habitat quality: heterogeneity	All/Other Relevant Threats and Pressures	N/A	MA05 Adapt mowing, grazing and other equivalent agricultural activities (e.g. burning)	Contractual	Mowing restrictions (mowing not permitted between March 15th and July 1st) in lands participating in Agri-Climate Rural Environment Scheme (ACRES) conservation actions for extensively grazed pasture (<23% of terrestrial SAC area).	Agri-Climate Rural Environment Scheme (ACRES)	Department of Agriculture, Food and the Marine (DAFM)	2022	CAP Strategic Plan
11	1. Distribution, 2. Negative indicator species, 3. Disease, 4. Water Quality, 5. Habitat quality: heterogeneity	All/Other Relevant Threats and Pressures	N/A	MA10 Reduce/eliminate point or diffuse source pollution to surface or ground waters (including marine) from agricultural activities	Contractual	Limited fertiliser application (max of 40kg/ha of nitrogen) in lands participating in Agri-Climate Rural Environment Scheme (ACRES) conservation actions for extensively grazed pasture (<23% of terrestrial SAC area).	Agri-Climate Rural Environment Scheme (ACRES)	Department of Agriculture, Food and the Marine (DAFM)	2022	CAP Strategic Plan
12	1. Distribution, 2. Negative indicator species, 3. Disease, 4. Water Quality, 5. Habitat quality: heterogeneity	All/Other Relevant Threats and Pressures	N/A	MA10 Reduce/eliminate point or diffuse source pollution to surface or ground waters (including marine) from agricultural activities	Contractual	Prohibition on drainage, ploughing or cultivation in lands participating in in Agri-Climate Rural Environment Scheme (ACRES) conservation actions for extensively grazed pasture (<23% of terrestrial SAC area).	Agri-Climate Rural Environment Scheme (ACRES)	Department of Agriculture, Food and the Marine (DAFM)	2022	CAP Strategic Plan
13	1. Distribution, 2. Negative indicator species, 3. Disease, 4. Water Quality, 5. Habitat quality: heterogeneity	All/Other Relevant Threats and Pressures	N/A	MA10 Reduce/eliminate point or diffuse source pollution to surface or ground waters (including marine) from agricultural activities	Contractual	Fencing of watercourses, at least 1.5m from the top of bank if bovines present, in lands participating in Agri-Climate Rural Environment Scheme (ACRES) conservation actions for extensively grazed pasture (<23% of terrestrial SAC area).	Agri-Climate Rural Environment Scheme (ACRES)	Department of Agriculture, Food and the Marine (DAFM)	2022	CAP Strategic Plan
14	1. Distribution, 2. Negative indicator species, 3. Disease, 4. Water Quality, 5. Habitat quality: heterogeneity	All/Other Relevant Threats and Pressures	N/A	MA03 Maintain existing extensive agricultural practices and agricultural landscape features	Contractual	Maintenance of a diverse sward with open vegetation by grazing in lands participating in Agri-Climate Rural Environment Scheme (ACRES) conservation actions for extensively grazed pasture (<23% of terrestrial SAC area).	Agri-Climate Rural Environment Scheme (ACRES)	Department of Agriculture, Food and the Marine (DAFM)	2022	CAP Strategic Plan
15	1. Distribution, 2. Negative indicator species, 3. Disease, 4. Water Quality, 5. Habitat quality: heterogeneity	All/Other Relevant Threats and Pressures	N/A	MA - Measures related to agricultural practices and agriculture-related habitats	Contractual	At least four grass species (excluding ryegrasses) or a mosaic of acid grassland and heath with varying levels of grazable woody forage plants required in lands participating in Agri-Climate Rural Environment Scheme (ACRES) conservation actions for extensively grazed pasture (<23% of terrestrial SAC area).	Agri-Climate Rural Environment Scheme (ACRES)	Department of Agriculture, Food and the Marine (DAFM)	2022	CAP Strategic Plan
16	1. Distribution, 2. Negative indicator species, 3. Disease, 4. Water Quality, 5. Habitat quality: heterogeneity	All/Other Relevant Threats and Pressures	N/A	MA03 Maintain existing extensive agricultural practices and agricultural landscape features	Contractual	Prohibition on cutting hedgerows below a height of 1.8 metres in lands participating in in Agri-Climate Rural Environment Scheme (ACRES) conservation actions for extensively grazed pasture (<23% of terrestrial SAC area).	Agri-Climate Rural Environment Scheme (ACRES)	Department of Agriculture, Food and the Marine (DAFM)	2022	CAP Strategic Plan
17	1. Distribution, 2. Negative indicator species, 3. Disease, 4. Water Quality, 5. Habitat quality: heterogeneity	All/Other Relevant Threats and Pressures	N/A	MA - Measures related to agricultural practices and agriculture-related habitats	Contractual	Landscape Actions to target environmental issues highlighted in the scorecards for results-based payments in Agri-Climate Rural Environment Scheme – Co-operation Project (ACRES CP).	Agri-Climate Rural Environment Scheme (ACRES)	Department of Agriculture, Food and the Marine (DAFM)	2022	CAP Strategic Plan
18	1. Distribution, 2. Negative indicator species, 3. Disease, 4. Water Quality, 5. Habitat quality: heterogeneity	All/Other Relevant Threats and Pressures	N/A	MA10 Reduce/eliminate point or diffuse source pollution to surface or ground waters (including marine) from agricultural activities	Contractual	Prohibition on livestock and machinery between October 1st and March 31st in lands participating in Agri-Climate Rural Environment Scheme (ACRES) conservation actions for geese and swan (<23% of terrestrial SAC area).	Agri-Climate Rural Environment Scheme (ACRES)	Department of Agriculture, Food and the Marine (DAFM)	2022	CAP Strategic Plan
19	1. Distribution, 2. Negative indicator species, 3. Disease, 4. Water Quality, 5. Habitat quality: heterogeneity	All/Other Relevant Threats and Pressures	N/A	MA07 Restoration of Annex I agricultural habitats (incl. re-establish and improve)	Contractual	25% of terrestrial habitat in White Lough, Ben Loughs and Lough Doo SAC is subject to conservation results based scoring of the habitat as part of the Agri-Climate Rural Environment Scheme (ACRES).	Agri-Climate Rural Environment Scheme (ACRES)	Department of Agriculture, Food and the Marine (DAFM)	2022	CAP Strategic Plan
20	1. Distribution, 2. Negative indicator species, 3. Disease, 4. Water Quality, 5. Habitat quality: heterogeneity	All/Other Relevant Threats and Pressures	N/A	MI06 Controlling and eradicating plant and animal diseases, pathogens and pests	Administrative	A joint "National Crayfish Plague Surveillance Programme (NCPSP)" which monitors the prevalence of the pathogen Aphanomyces astaci and non-native crayfish in Ireland using environmental DNA (eDNA).	National Crayfish Plague Surveillance Programme (NCPSP)	National Parks and Wildlife (NPWS)	2018+	All government plans and policy documents are cognisant of these protections
21	1. Distribution, 2. Negative indicator species, 3. Disease, 4. Water Quality, 5. Habitat quality: heterogeneity	All/Other Relevant Threats and Pressures	N/A	MI06 Controlling and eradicating plant and animal diseases, pathogens and pests	Administrative	River quality monitoring carried out at this site.	National River Monitoring Programme	Environmental Protection Agency (EPA)	2016+	All government plans and policy documents are cognisant of these protections

Site name: White Lough, Ben Loughs and Lough Doo SAC 001810
Habitat/Species: [1092] White-clawed Crayfish Austropotamobius pallipes
(SSCO): To maintain the favourable conservation condition of [1092] in SAC 001810

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:
22	1. Distribution, 2. Negative indicator species, 3. Disease, 4. Water Quality, 5. Habitat quality: heterogeneity	All/Other Relevant Threats and Pressures	N/A	MH03 Reduce impact of other specific human activities	Statutory	Control of activities, if not covered by other regulations, which could negatively impact on White Lough, Ben Loughs and Lough Doo SAC.	European Union Habitats (White Lough, Ben Loughs and Lough Doo Special Area of Conservation 001810) Regulations 2021	Department of Housing, Local Government and Heritage (DHLGH)/National Parks and Wildlife Service (NPWS)	1999+	All government plans and policy documents are cognisant of these protections
23	1. Distribution, 2. Negative indicator species, 3. Disease, 4. Water Quality, 5. Habitat quality: heterogeneity	All/Other Relevant Threats and Pressures	N/A	MJ01 Implement climate change mitigation measures, MJ02 Implement climate change adaptation 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.	Ireland's Climate Action Plan	All Government Departments	2019+	Climate Action and Low Carbon Development (Amendment) Act 2021
24	1. Distribution, 2. Negative indicator species, 3. Disease, 4. Water Quality, 5. Habitat quality: heterogeneity	All/Other Relevant Threats and Pressures	N/A	MF08 Manage changes in hydrological and coastal systems and regimes for construction and development (incl. restoration of habitats.	Statutory	Regulation controlling unconsented development at this site.	Planning and Development Act 2000, as amended.	Local Authority/An Coimisiún Pleanála	2000+	All government plans and policy documents are cognisant of these protections

Site name: White Lough, Ben Loughs and Lough Doo SAC 001810
Habitat/Species: [3140] Hard oligo mesotrophic waters
(SSCO): To maintain the favourable conservation condition of [3140] in SAC 001810

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 area, 2.Habitat distribution, 3.Vegetation composition: typical species, 3.1.Vegetation composition: characteristic zonation,4. Vegetation distribution: maximum depth, 5. Hydrological regime: water level fluctuations, 6.Lake substratum quality,7. pH and Alkalinity,8.Nutrients, 9. Water colour, 10.Dissolved organic carbon (DOC), 11.Turbidity, 12.Transparency, 13.Attached algal biomass, 14 Fringing habitat: area and condition	PA17 Agricultural activities generating pollution to surface or ground waters (including marine)	Low	MA10 Reduce/eliminate point or diffuse source pollution to surface or ground waters (including marine) from agricultural activities	Contractual	Limited fertiliser application (max of 40kg/ha of nitrogen) in lands participating in Agri-Climate Rural Environment Scheme (ACRES) conservation actions for extensively grazed pasture (<23% of terrestrial SAC area).	Agri-Climate Rural Environment Scheme (ACRES)	Department of Agriculture, Food and the Marine (DAFM)	2022+	CAP Strategic Plan
2	1.Habitat area, 2.Habitat distribution, 3.Vegetation composition: typical species, 3.1.Vegetation composition: characteristic zonation,4. Vegetation distribution: maximum depth, 5. Hydrological regime: water level fluctuations, 6.Lake substratum quality,7. pH and Alkalinity,8.Nutrients, 9. Water colour, 10.Dissolved organic carbon (DOC), 11.Turbidity, 12.Transparency, 13.Attached algal biomass, 14 Fringing habitat: area and condition	PA17 Agricultural activities generating pollution to surface or ground waters (including marine)	Low	MA10 Reduce/eliminate point or diffuse source pollution to surface or ground waters (including marine) from agricultural activities	Contractual	Prohibition on drainage, ploughing or cultivation in lands participating in in Agri-Climate Rural Environment Scheme (ACRES) conservation actions for extensively grazed pasture (<23% of terrestrial SAC area).	Agri-Climate Rural Environment Scheme (ACRES)	Department of Agriculture, Food and the Marine (DAFM)	2022+	CAP Strategic Plan
3	1.Habitat area, 2.Habitat distribution, 3.Vegetation composition: typical species, 3.1.Vegetation composition: characteristic zonation,4. Vegetation distribution: maximum depth, 5. Hydrological regime: water level fluctuations, 6.Lake substratum quality,7. pH and Alkalinity,8.Nutrients, 9. Water colour, 10.Dissolved organic carbon (DOC), 11.Turbidity, 12.Transparency, 13.Attached algal biomass, 14 Fringing habitat: area and condition	PA17 Agricultural activities generating pollution to surface or ground waters (including marine)	Low	MA10 Reduce/eliminate point or diffuse source pollution to surface or ground waters (including marine) from agricultural activities	Contractual	Fencing of watercourses, at least 1.5m from the top of bank if bovines present, in lands participating in Agri-Climate Rural Environment Scheme (ACRES) conservation actions for extensively grazed pasture (<23% of terrestrial SAC area).	Agri-Climate Rural Environment Scheme (ACRES)	Department of Agriculture, Food and the Marine (DAFM)	2022+	CAP Strategic Plan
4	1.Habitat area, 2.Habitat distribution, 3.Vegetation composition: typical species, 3.1.Vegetation composition: characteristic zonation,4. Vegetation distribution: maximum depth, 5. Hydrological regime: water level fluctuations, 6.Lake substratum quality,7. pH and Alkalinity,8.Nutrients, 9. Water colour, 10.Dissolved organic carbon (DOC), 11.Turbidity, 12.Transparency, 13.Attached algal biomass, 14 Fringing habitat: area and condition	PA17 Agricultural activities generating pollution to surface or ground waters (including marine)	Low	MA10 Reduce/eliminate point or diffuse source pollution to surface or ground waters (including marine) from agricultural activities	Statutory	Good Agricultural and Environmental Condition (GAEC) 4 and Statutory Management Requirements (SMR) 2: Establishment of buffer zones (e.g. grass, trees or native woodland scheme) along water courses and drains to intercept sediment and for the prevention of pollution (Nitrates and Phosphates) via the spread of organic fertilizer and for the storage of farmyard manure in a field.	European Communities (Good Agricultural Practice for Protection of Waters) Regulations 2022.	Department of Agriculture, Food and the Marine (DAFM)	2022+	All government plans and policy documents are cognisant of these protections
5	1.Habitat area, 2.Habitat distribution, 3.Vegetation composition: typical species, 3.1.Vegetation composition: characteristic zonation,4. Vegetation distribution: maximum depth, 5. Hydrological regime: water level fluctuations, 6.Lake substratum quality,7. pH and Alkalinity,8.Nutrients, 9. Water colour, 10.Dissolved organic carbon (DOC), 11.Turbidity, 12.Transparency, 13.Attached algal biomass, 14 Fringing habitat: area and condition	PF07 Residential and commercial activities and structures generating pollution to surface or ground waters	Low	MF04 Reduce/eliminate pollution to surface or ground waters from commercial, residential and recreational areas and activities, and from industrial activities and structures	Statutory	Consent is required for developing or consenting to the development or operation of commercial recreational/visitor facilities or organised recreational activities, if not covered by other regulations.	European Union Habitats (White Lough, Ben Loughs and Lough Doo Special Area of Conservation 001810) Regulations 2021	Department of Housing, Local Government and Heritage (DHLGH)/National Parks and Wildlife Service (NPWS)	1999+	All government plans and policy documents are cognisant of these protections
6	1.Habitat area, 2.Habitat distribution, 3.Vegetation composition: typical species, 3.1.Vegetation composition: characteristic zonation,4. Vegetation distribution: maximum depth, 5. Hydrological regime: water level fluctuations, 6.Lake substratum quality,7. pH and Alkalinity,8.Nutrients, 9. Water colour, 10.Dissolved organic carbon (DOC), 11.Turbidity, 12.Transparency, 13.Attached algal biomass, 14 Fringing habitat: area and condition	PF08 Industrial activities and structures generating pollution to surface or ground waters	Low	MF04 Reduce/eliminate pollution to surface or ground waters from commercial, residential and recreational areas and activities, and from industrial activities and structures	Statutory	Consent is required for construction or alteration of tracks, paths, roads, bridges, culverts or access routes, if not covered by other regulations.	European Union Habitats (White Lough, Ben Loughs and Lough Doo Special Area of Conservation 001810) Regulations 2021	Department of Housing, Local Government and Heritage (DHLGH)/National Parks and Wildlife Service (NPWS)	1999+	All government plans and policy documents are cognisant of these protections
7	1.Habitat area, 2.Habitat distribution, 3.Vegetation composition: typical species, 3.1.Vegetation composition: characteristic zonation,4. Vegetation distribution: maximum depth, 5. Hydrological regime: water level fluctuations, 6.Lake substratum quality,7. pH and Alkalinity,8.Nutrients, 9. Water colour, 10.Dissolved organic carbon (DOC), 11.Turbidity, 12.Transparency, 13.Attached algal biomass, 14 Fringing habitat: area and condition	PB19 Forestry activities generating pollution to surface or ground waters (including marine)	Low	MB10 Reduce diffuse or point source pollution to surface or ground waters (incl. marine) from forestry activities	Statutory	Consent is required for the planting of trees or multi-annual bioenergy crops, if not covered by other regulations.	European Union Habitats (White Lough, Ben Loughs and Lough Doo Special Area of Conservation 001810) Regulations 2021	Department of Housing, Local Government and Heritage (DHLGH)/National Parks and Wildlife Service (NPWS)	1999+	All government plans and policy documents are cognisant of these protections

Site name: White Lough, Ben Loughs and Lough Doo SAC 001810
Habitat/Species: [3140] Hard oligo mesotrophic waters
(SSCO): To maintain the favourable conservation condition of [3140] in SAC 001810

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:
8	1.Habitat area, 2.Habitat distribution, 3.Vegetation composition: typical species, 3.1.Vegetation composition: characteristic zonation,4. Vegetation distribution: maximum depth, 5. Hydrological regime: water level fluctuations, 6.Lake substratum quality,7. pH and Alkalinity,8.Nutrients, 9. Water colour, 10.Dissolved organic carbon (DOC), 11.Turbidity, 12.Transparency, 13.Attached algal biomass, 14 Fringing habitat: area and condition	PB23 Physical alteration of water bodies for forestry (including dams)	Low	MB14 Manage drainage and water abstraction for forestry (Inc. restoration of drained or hydrologically altered habitats)	Statutory	Consent is 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 (White Lough, Ben Loughs and Lough Doo Special Area of Conservation 001810) Regulations 2021	Department of Housing, Local Government and Heritage (DHLGH)/National Parks and Wildlife Service (NPWS)	1999+	All government plans and policy documents are cognisant of these protections.
9	1.Habitat area, 2.Habitat distribution, 3.Vegetation composition: typical species, 3.1.Vegetation composition: characteristic zonation,4. Vegetation distribution: maximum depth, 5. Hydrological regime: water level fluctuations, 6.Lake substratum quality,7. pH and Alkalinity,8.Nutrients, 9. Water colour, 10.Dissolved organic carbon (DOC), 11.Turbidity, 12.Transparency, 13.Attached algal biomass, 14 Fringing habitat: area and condition	PA22 Drainage for use as agricultural land	Low	MA13 Manage agricultural drainage and water abstraction (incl. the restoration of drained or hydrologically altered habitats)	Statutory	Consent is required for digging, ploughing, harrowing or otherwise disturbing soil or substrate, if not covered by other regulations. [Consent is not required for these activities on established reseeded grassland or cultivated land provided it is greater than 50m from a river, stream, floodplain, wetland, lake, turlough or pond.]	European Union Habitats (White Lough, Ben Loughs and Lough Doo Special Area of Conservation 001810) Regulations 2021	Department of Housing, Local Government and Heritage (DHLGH)/National Parks and Wildlife Service (NPWS)	1999+	All government plans and policy documents are cognisant of these protections.
10	1.Habitat area, 2.Habitat distribution, 3.Vegetation composition: typical species, 3.1.Vegetation composition: characteristic zonation,4. Vegetation distribution: maximum depth, 5. Hydrological regime: water level fluctuations, 6.Lake substratum quality,7. pH and Alkalinity,8.Nutrients, 9. Water colour, 10.Dissolved organic carbon (DOC), 11.Turbidity, 12.Transparency, 13.Attached algal biomass, 14 Fringing habitat: area and condition	PA22 Drainage for use as agricultural land	Low	MA - Measures related to agricultural practices and agriculture-related habitats	Statutory	Monitoring and reporting of relevant farm activity at the SAC. Direct inspections for DAFM Conditionality compliance or via other state Authorities (via Cross Reporting) to Integrated Controls Division in DAFM.	DAFM BISS Conditionality Farm inspection's - NPWS Conservation Ranger Site monitoring, (Cross Compliance).	Department of Agriculture, Food and the Marine (DAFM)	2022+	CAP Strategic Plan
11	1.Habitat area, 2.Habitat distribution, 3.Vegetation composition: typical species, 3.1.Vegetation composition: characteristic zonation,4. Vegetation distribution: maximum depth, 5. Hydrological regime: water level fluctuations, 6.Lake substratum quality,7. pH and Alkalinity,8.Nutrients, 9. Water colour, 10.Dissolved organic carbon (DOC), 11.Turbidity, 12.Transparency, 13.Attached algal biomass, 14 Fringing habitat: area and condition	PF17 Active abstraction of water for built-up areas	Low	MF09 Adapt the management of water abstraction for public supply and for industrial and commercial use to reduce negative impacts on habitats and species (incl. restoration of habitats)	Statutory	Consent is required for water abstraction, sinking of boreholes and wells, if not covered by other regulations.	European Union Habitats (White Lough, Ben Loughs and Lough Doo Special Area of Conservation 001810) Regulations 2021	Department of Housing, Local Government and Heritage (DHLGH)/National Parks and Wildlife Service (NPWS)	1999+	All government plans and policy documents are cognisant of these protections.
12	1.Habitat area, 2.Habitat distribution, 3.Vegetation composition: typical species, 3.1.Vegetation composition: characteristic zonation,4. Vegetation distribution: maximum depth, 5. Hydrological regime: water level fluctuations, 6.Lake substratum quality,7. pH and Alkalinity,8.Nutrients, 9. Water colour, 10.Dissolved organic carbon (DOC), 11.Turbidity, 12.Transparency, 13.Attached algal biomass, 14 Fringing habitat: area and condition	PI02 Other invasive alien species (other than species of Union concern)	Low	MI03 Management, control or eradication of other invasive alien species	Statutory	Regulation relating to Invasive Alien Species.	European Union (Invasive Alien Species) Regulations 2024	Department of Housing, Local Government and Heritage (DHLGH)/National Parks and Wildlife Service (NPWS)	2024+	All government plans and policy documents are cognisant of these protections.
13	1.Habitat area, 2.Habitat distribution, 3.Vegetation composition: typical species, 3.1.Vegetation composition: characteristic zonation,4. Vegetation distribution: maximum depth, 5. Hydrological regime: water level fluctuations, 6.Lake substratum quality,7. pH and Alkalinity,8.Nutrients, 9. Water colour, 10.Dissolved organic carbon (DOC), 11.Turbidity, 12.Transparency, 13.Attached algal biomass, 14 Fringing habitat: area and condition	PB23 Physical alteration of water bodies for forestry (including dams)	Low	MB01 Prevent conversion of (semi-) natural habitats into forests and of (semi-) natural forests into intensive forest plantation	Statutory	Provision of licences for afforestation, and limit the impact of felling or otherwise removing of a tree or trees and the thinning of a forest at this site.	Forestry Acts 1988 to 2014	Department of Agriculture Food and the Marine (DAFM)/Forestry Division	1988+	All government plans and policy documents are cognisant of these protections.
14	1.Habitat area, 2.Habitat distribution, 3.Vegetation composition: typical species, 3.1.Vegetation composition: characteristic zonation,4. Vegetation distribution: maximum depth, 5. Hydrological regime: water level fluctuations, 6.Lake substratum quality,7. pH and Alkalinity,8.Nutrients, 9. Water colour, 10.Dissolved organic carbon (DOC), 11.Turbidity, 12.Transparency, 13.Attached algal biomass, 14 Fringing habitat: area and condition	PB23 Physical alteration of water bodies for forestry (including dams)	Low	MB01 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.	Forestry Regulations 2017	Department of Agriculture Food and the Marine (DAFM)/Forestry Division	1988+	All government plans and policy documents are cognisant of these protections.

Site name: White Lough, Ben Loughs and Lough Doo SAC 001810
Habitat/Species: [3140] Hard oligo mesotrophic waters
(SSCO): To maintain the favourable conservation condition of [3140] in SAC 001810

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.Habitat area; 2. Habitat distribution; 3. Vegetation composition: typical species; 3.1 Vegetation composition: characteristic zonation; 4. Vegetation distribution: maximum depth; 5. Hydrological regime: water level fluctuations; 6. Lake substratum quality; 7. Water quality: transparency; 7.1 Water quality: nutrients; 7.2 Water quality: phytoplankton biomass; 7.3 Water quality: phytoplankton composition; 7.4 Water quality: attached algal biomass; 7.5 Water quality: macrophyte status; 8. Acidification status; 9. Water colour; 10. Dissolved organic carbon (DOC); 11. Turbidity; 12. Fringing habitat: area and condition	PA22 Drainage for use as agricultural land	Low	MA13 Manage agricultural drainage and water abstraction (incl. the restoration of drained or hydrologically altered habitats)	Administrative	Basic Income Support for Sustainability (BISS) Scheme	Basic Income Support for Sustainability (BISS) Scheme	Department of Agriculture, Food and the Marine (DAFM)	2022+	CAP Strategic Plan
16	1.Habitat area, 2.Habitat distribution, 3.Vegetation composition: typical species, 3.1.Vegetation composition: characteristic zonation,4. Vegetation distribution: maximum depth, 5. Hydrological regime: water level fluctuations, 6.Lake substratum quality,7. pH and Alkalinity,8.Nutrients, 9. Water colour, 10.Dissolved organic carbon (DOC), 11.Turbidity, 12.Transparency, 13.Attached algal biomass, 14 Fringing habitat: area and condition	All/Other Relevant Threats and Pressures	N/A	MA - Measures related to agricultural practices and agriculture-related habitats	Contractual	67% uptake of eligible participants (24) in the voluntary Agri-Climate Rural Environment Scheme (ACRES).	Agri-Climate Rural Environment Scheme (ACRES)	Department of Agriculture, Food and the Marine (DAFM)	2022+	CAP Strategic Plan
17	1.Habitat area, 2.Habitat distribution, 3.Vegetation composition: typical species, 3.1.Vegetation composition: characteristic zonation,4. Vegetation distribution: maximum depth, 5. Hydrological regime: water level fluctuations, 6.Lake substratum quality,7. pH and Alkalinity,8.Nutrients, 9. Water colour, 10.Dissolved organic carbon (DOC), 11.Turbidity, 12.Transparency, 13.Attached algal biomass, 14 Fringing habitat: area and condition	All/Other Relevant Threats and Pressures	N/A	MA - Measures related to agricultural practices and agriculture-related habitats	Contractual	Production of an accredited Farm Sustainabilty Plan by 100% of participants in the Agri-Climate Rural Environmental Scheme (ACRES).	Agri-Climate Rural Environment Scheme (ACRES)	Department of Agriculture, Food and the Marine (DAFM)	2022+	CAP Strategic Plan
18	1.Habitat area, 2.Habitat distribution, 3.Vegetation composition: typical species, 3.1.Vegetation composition: characteristic zonation,4. Vegetation distribution: maximum depth, 5. Hydrological regime: water level fluctuations, 6.Lake substratum quality,7. pH and Alkalinity,8.Nutrients, 9. Water colour, 10.Dissolved organic carbon (DOC), 11.Turbidity, 12.Transparency, 13.Attached algal biomass, 14 Fringing habitat: area and condition	All/Other Relevant Threats and Pressures	N/A	MA05 Adapt mowing, grazing and other equivalent agricultural activities (e.g. burning)	Contractual	Mowing restrictions (mowing not permitted between March 15th and July 1st) in lands participating in Agri-Climate Rural Environment Scheme (ACRES) conservation actions for extensively grazed pasture (<23% of terrestrial SAC area).	Agri-Climate Rural Environment Scheme (ACRES)	Department of Agriculture, Food and the Marine (DAFM)	2022+	CAP Strategic Plan
19	1.Habitat area, 2.Habitat distribution, 3.Vegetation composition: typical species, 3.1.Vegetation composition: characteristic zonation,4. Vegetation distribution: maximum depth, 5. Hydrological regime: water level fluctuations, 6.Lake substratum quality,7. pH and Alkalinity,8.Nutrients, 9. Water colour, 10.Dissolved organic carbon (DOC), 11.Turbidity, 12.Transparency, 13.Attached algal biomass, 14 Fringing habitat: area and condition	All/Other Relevant Threats and Pressures	N/A	MA03 Maintain existing extensive agricultural practices and agricultural landscape features	Contractual	Maintenance of a diverse sward with open vegetation by grazing in lands participating in Agri-Climate Rural Environment Scheme (ACRES) conservation actions for extensively grazed pasture (<23% of terrestrial SAC area).	Agri-Climate Rural Environment Scheme (ACRES)	Department of Agriculture, Food and the Marine (DAFM)	2022+	CAP Strategic Plan
20	1.Habitat area, 2.Habitat distribution, 3.Vegetation composition: typical species, 3.1.Vegetation composition: characteristic zonation,4. Vegetation distribution: maximum depth, 5. Hydrological regime: water level fluctuations, 6.Lake substratum quality,7. pH and Alkalinity,8.Nutrients, 9. Water colour, 10.Dissolved organic carbon (DOC), 11.Turbidity, 12.Transparency, 13.Attached algal biomass, 14 Fringing habitat: area and condition	All/Other Relevant Threats and Pressures	N/A	MH03 Reduce impact of other specific human activities	Statutory	Control of activities, if not covered by other regulations, which could negatively impact on White Lough, Ben Loughs and Lough Doo SAC.	European Union Habitats (White Lough, Ben Loughs and Lough Doo Special Area of Conservation 001810) Regulations 2021	Department of Housing, Local Government and Heritage (DHLGH)/National Parks and Wildlife Service (NPWS)	1999+	All government plans and policy documents are cognisant of these protections

Site name: White Lough, Ben Loughs and Lough Doo SAC 001810
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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 responsibility	Implementation timeframe	Integration with high level plans/policy:
21	1.Habitat area, 2.Habitat distribution, 3.Vegetation composition: typical species, 3.1.Vegetation composition: characteristic zonation,4. Vegetation distribution: maximum depth, 5. Hydrological regime: water level fluctuations, 6.Lake substratum quality,7. pH and Alkalinity,8.Nutrients, 9. Water colour, 10.Dissolved organic carbon (DOC), 11.Turbidity, 12.Transparency, 13.Attached algal biomass, 14 Fringing habitat: area and condition	All/Other Relevant Threats and Pressures	N/A	MJ01 Implement climate change mitigation measures, MJ02 Implement climate change adaptation 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.	Ireland's Climate Action Plan	All Government Departments	2019+	Climate Action and Low Carbon Development (Amendment) Act 2021
22	1.Habitat area, 2.Habitat distribution, 3.Vegetation composition: typical species, 3.1.Vegetation composition: characteristic zonation,4. Vegetation distribution: maximum depth, 5. Hydrological regime: water level fluctuations, 6.Lake substratum quality,7. pH and Alkalinity,8.Nutrients, 9. Water colour, 10.Dissolved organic carbon (DOC), 11.Turbidity, 12.Transparency, 13.Attached algal biomass, 14 Fringing habitat: area and condition	All/Other Relevant Threats and Pressures	N/A	MF08 Manage changes in hydrological and coastal systems and regimes for construction and development (incl. restoration of habitats.	Statutory	Regulation controlling unconsented development at this site.	Planning and Development Act 2000, as amended.	Local Authority/An Coimisiún Pleanála	2000+	All government plans and policy documents are cognisant of these protections