

Site name:	Doocastle Turlough SAC 492
County:	Mayo-Sligo
	Site Specific Conservation Objective (SSCO) Ecological Attributes
	[3180] Turloughs
1	Habitat area
2	Habitat distribution
3	Hydrological Regime
4	Soil type
5	Soil nutrient status: nitrogen and phosphorus
6	Physical structure: bare ground.
7	Chemical processes: calcium carbonate deposition and concentration.
8	Water quality
9	Active peat formation
10.1	Vegetation composition: area of vegetation communities
10.2	Vegetation composition: vegetation zonation
11.1	Vegetation structure: sward height
11.2	Vegetation structure: turlough woodland
12	Typical species
13	Fringing habitats: area

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. Hydrological Regime, 4. Soil type, 5. Soil nutrient status: nitrogen and phosphorus, 6. Physical structure: bare ground, 7. Chemical processes: calcium carbonate deposition and concentration, 8. Water quality, 9. Active peat formation, 10.1. Vegetation composition: area of vegetation communities, 10.2. Vegetation composition: vegetation zonation, 11.1. Vegetation structure: sward height, 11.2. vegetation structure: turlough woodland, 12. Topical species, 13. Fringing habitats: area.	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.	S.I. 113/2022 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
2	1. Habitat area, 2. Habitat distribution, 3. Hydrological Regime, 4. Soil type, 5. Soil nutrient status: nitrogen and phosphorus, 6. Physical structure: bare ground, 7. Chemical processes: calcium carbonate deposition and concentration, 8. Water quality, 9. Active peat formation, 10.1. Vegetation composition: area of vegetation communities, 10.2. Vegetation composition: vegetation zonation, 11.1. Vegetation structure: sward height, 11.2. vegetation structure: turlough woodland, 12. Topical species, 13. Fringing habitats: area.	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	Consent is required for burning, topping, clearing scrub or rough vegetation or reseeded [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.] if not covered by other regulations.	European Union Habitats (Doocastle Turlough Special Area of Conservation 000492) Regulations 2017	Department of Housing, Local Government and Heritage (DHLGH)/ National Parks and Wildlife Service (NPWS)	1997+	All government plans and policy documents are cognisant of these protections
3	1. Habitat area, 2. Habitat distribution, 3. Hydrological Regime, 4. Soil type, 5. Soil nutrient status: nitrogen and phosphorus, 6. Physical structure: bare ground, 7. Chemical processes: calcium carbonate deposition and concentration, 8. Water quality, 9. Active peat formation, 10.1. Vegetation composition: area of vegetation communities, 10.2. Vegetation composition: vegetation zonation, 11.1. Vegetation structure: sward height, 11.2. vegetation structure: turlough woodland, 12. Topical species, 13. Fringing habitats: area.	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	The spread of organic and chemical fertilisers or soiled water is restricted on land that is waterlogged, is flooded or likely to flood, is snow-covered or frozen.	S.I. 113/2022 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
4	1. Habitat area, 2. Habitat distribution, 3. Hydrological Regime, 4. Soil type, 5. Soil nutrient status: nitrogen and phosphorus, 6. Physical structure: bare ground, 7. Chemical processes: calcium carbonate deposition and concentration, 8. Water quality, 9. Active peat formation, 10.1. Vegetation composition: area of vegetation communities, 10.2. Vegetation composition: vegetation zonation, 11.1. Vegetation structure: sward height, 11.2. vegetation structure: turlough woodland, 12. Topical species, 13. Fringing habitats: area.	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	Consent is required prior to applying inorganic or organic fertiliser, including slurry and farmyard manure to the site [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.], if not covered by other regulations.	European Union Habitats (Doocastle Turlough Special Area of Conservation 000492) Regulations 2017	Department of Housing, Local Government and Heritage (DHLGH)/ National Parks and Wildlife Service (NPWS)	1997+	All government plans and policy documents are cognisant of these protections
5	1. Habitat area, 2. Habitat distribution, 3. Hydrological Regime, 4. Soil type, 5. Soil nutrient status: nitrogen and phosphorus, 6. Physical structure: bare ground, 7. Chemical processes: calcium carbonate deposition and concentration, 8. Water quality, 9. Active peat formation, 10.1. Vegetation composition: area of vegetation communities, 10.2. Vegetation composition: vegetation zonation, 11.1. Vegetation structure: sward height, 11.2. vegetation structure: turlough woodland, 12. Topical species, 13. Fringing habitats: area.	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	Consent is required prior to the application of pesticides, including herbicides. [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.], if not covered by other regulations.	European Union Habitats (Doocastle Turlough Special Area of Conservation 000492) Regulations 2017	Department of Housing, Local Government and Heritage (DHLGH)/ National Parks and Wildlife Service (NPWS)	1997+	All government plans and policy documents are cognisant of these protections
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7	1. Habitat area, 2. Habitat distribution, 3. Hydrological Regime, 4. Soil type, 5. Soil nutrient status: nitrogen and phosphorus, 6. Physical structure: bare ground, 7. Chemical processes: calcium carbonate deposition and concentration, 8. Water quality, 9. Active peat formation, 10.1. Vegetation composition: area of vegetation communities, 10.2. Vegetation composition: vegetation zonation, 11.1. Vegetation structure: sward height, 11.2. vegetation structure: turlough woodland, 12. Topical species, 13. Fringing habitats: area.	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	Consent is required for digging, ploughing, harrowing or otherwise disturbing soil or substrate. [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.], if not covered by other regulations.	European Union Habitats (Doocastle Turlough Special Area of Conservation 000492) Regulations 2017	Department of Housing, Local Government and Heritage (DHLGH)/ National Parks and Wildlife Service (NPWS)	1997+	All government plans and policy documents are cognisant of these protections
8	1. Habitat area, 2. Habitat distribution, 3. Hydrological Regime, 4. Soil type, 5. Soil nutrient status: nitrogen and phosphorus, 6. Physical structure: bare ground, 7. Chemical processes: calcium carbonate deposition and concentration, 8. Water quality, 9. Active peat formation, 10.1. Vegetation composition: area of vegetation communities, 10.2. Vegetation composition: vegetation zonation, 11.1. Vegetation structure: sward height, 11.2. vegetation structure: turlough woodland, 12. Topical species, 13. Fringing habitats: area.	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 (14% of terrestrial SAC area).	Agri-Climate Rural Environment Scheme (ACRES) - Extensively Grazed pasture	Department of Agriculture, Food and the Marine (DAFM)	2022+	CAP Strategic Plan
9	1. Habitat area, 2. Habitat distribution, 3. Hydrological Regime, 4. Soil type, 5. Soil nutrient status: nitrogen and phosphorus, 6. Physical structure: bare ground, 7. Chemical processes: calcium carbonate deposition and concentration, 8. Water quality, 9. Active peat formation, 10.1. Vegetation composition: area of vegetation communities, 10.2. Vegetation composition: vegetation zonation, 11.1. Vegetation structure: sward height, 11.2. vegetation structure: turlough woodland, 12. Topical species, 13. Fringing habitats: area.	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 (14% of terrestrial SAC area).	Agri-Climate Rural Environment Scheme (ACRES) - Extensively Grazed pasture	Department of Agriculture, Food and the Marine (DAFM)	2022+	CAP Strategic Plan
10	1. Habitat area, 2. Habitat distribution, 3. Hydrological Regime, 4. Soil type, 5. Soil nutrient status: nitrogen and phosphorus, 6. Physical structure: bare ground, 7. Chemical processes: calcium carbonate deposition and concentration, 8. Water quality, 9. Active peat formation, 10.1. Vegetation composition: area of vegetation communities, 10.2. Vegetation composition: vegetation zonation, 11.1. Vegetation structure: sward height, 11.2. vegetation structure: turlough woodland, 12. Topical species, 13. Fringing habitats: area.	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 (14% of terrestrial SAC area).	Agri-Climate Rural Environment Scheme (ACRES) - Extensively Grazed pasture	Department of Agriculture, Food and the Marine (DAFM)	2022+	CAP Strategic Plan
11	1. Habitat area, 2. Habitat distribution, 3. Hydrological Regime, 4. Soil type, 5. Soil nutrient status: nitrogen and phosphorus, 6. Physical structure: bare ground, 7. Chemical processes: calcium carbonate deposition and concentration, 8. Water quality, 9. Active peat formation, 10.1. Vegetation composition: area of vegetation communities, 10.2. Vegetation composition: vegetation zonation, 11.1. Vegetation structure: sward height, 11.2. vegetation structure: turlough woodland, 12. Topical species, 13. Fringing habitats: area.	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	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, (Cross Compliance)	Department of Agriculture, Food and the Marine (DAFM)	2023+	All government plans and policy documents are cognisant of these protections

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12	1. Habitat area, 2. Habitat distribution, 3. Hydrological Regime, 4. Soil type, 5. Soil nutrient status: nitrogen and phosphorus, 6. Physical structure: bare ground, 7. Chemical processes: calcium carbonate deposition and concentration, 8. Water quality, 9. Active peat formation, 10.1. Vegetation composition: area of vegetation communities, 10.2. Vegetation composition: vegetation zonation, 11.1. Vegetation structure: sward height, 11.2. vegetation structure: turlough woodland, 12. Topical species, 13. Fringing habitats: area.	PA22 Drainage for use as agricultural land	Low	MK02 Reduce impact of multi-purpose hydrological changes. MK03 - Restoration of habitats impacted by multi-purpose hydrological changes.	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 (Doocastle Turlough Special Area of Conservation 000492) Regulations 2017	Department of Housing, Local Government and Heritage (DHLGH)/ National Parks and Wildlife Service (NPWS)	1997+	All government plans and policy documents are cognisant of these protections
13	1. Habitat area, 2. Habitat distribution, 3. Hydrological Regime, 4. Soil type, 5. Soil nutrient status: nitrogen and phosphorus, 6. Physical structure: bare ground, 7. Chemical processes: calcium carbonate deposition and concentration, 8. Water quality, 9. Active peat formation, 10.1. Vegetation composition: area of vegetation communities, 10.2. Vegetation composition: vegetation zonation, 11.1. Vegetation structure: sward height, 11.2. vegetation structure: turlough woodland, 12. Topical species, 13. Fringing habitats: area.	PA22 Drainage for use as agricultural land	Low	MA10 Reduce/eliminate point or diffuse source pollution to surface or ground waters (including marine) from agricultural activities	Statutory	Regulation controlling unconsented development at this site.	S.I. NO. 600/2001 - Planning and Development Regulations 2001, as amended.	Local Authorities (Mayo County Council and Sligo County Council) /An Coimisiún Pleanála	2001+	All government plans and policy documents are cognisant of these protections
14	1. Habitat area, 2. Habitat distribution, 3. Hydrological Regime, 4. Soil type, 5. Soil nutrient status: nitrogen and phosphorus, 6. Physical structure: bare ground, 7. Chemical processes: calcium carbonate deposition and concentration, 8. Water quality, 9. Active peat formation, 10.1. Vegetation composition: area of vegetation communities, 10.2. Vegetation composition: vegetation zonation, 11.1. Vegetation structure: sward height, 11.2. vegetation structure: turlough woodland, 12. Topical species, 13. Fringing habitats: area.	PA22 Drainage for use as agricultural land	Low	MK02 Reduce impact of multi-purpose hydrological changes. MK03 - Restoration of habitats impacted by multi-purpose hydrological changes.	Statutory	Consent is required for drainage works including digging, deepening, widening or blocking a drain, watercourse or waterbody, if not covered by other regulations.	European Union Habitats (Doocastle Turlough Special Area of Conservation 000492) Regulations 2017	Department of Housing, Local Government and Heritage (DHLGH)/ National Parks and Wildlife Service (NPWS)	1997+	All government plans and policy documents are cognisant of these protections
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17	1. Habitat area, 2. Habitat distribution, 3. Hydrological Regime, 4. Soil type, 5. Soil nutrient status: nitrogen and phosphorus, 6. Physical structure: bare ground, 7. Chemical processes: calcium carbonate deposition and concentration, 8. Water quality, 9. Active peat formation, 10.1. Vegetation composition: area of vegetation communities, 10.2. Vegetation composition: vegetation zonation, 11.1. Vegetation structure: sward height, 11.2. vegetation structure: turlough woodland, 12. Topical species, 13. Fringing habitats: area.	PA22 Drainage for use as agricultural land	Low	MK02 Reduce impact of multi-purpose hydrological changes. MK03 - Restoration of habitats impacted by multi-purpose hydrological changes.	Statutory	Consent is required for storage, burial, disposal or recovery of any materials. (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.), if not covered by other regulations.	European Union Habitats (Doocastle Turlough Special Area of Conservation 000492) Regulations 2017	Department of Housing, Local Government and Heritage (DHLGH)/ National Parks and Wildlife Service (NPWS)	1997+	All government plans and policy documents are cognisant of these protections
18	1. Habitat area, 2. Habitat distribution, 3. Hydrological Regime, 4. Soil type, 5. Soil nutrient status: nitrogen and phosphorus, 6. Physical structure: bare ground, 7. Chemical processes: calcium carbonate deposition and concentration, 8. Water quality, 9. Active peat formation, 10.1. Vegetation composition: area of vegetation communities, 10.2. Vegetation composition: vegetation zonation, 11.1. Vegetation structure: sward height, 11.2. vegetation structure: turlough woodland, 12. Topical species, 13. Fringing habitats: area.	PA07 Intensive grazing or overgrazing by livestock	Low	MA05 Adapt mowing, grazing and other equivalent agricultural activities (e.g. burning). MA06 Stop mowing, grazing and other equivalent agricultural activities e.g. burning (incl. restore or improve habitats)	Statutory	Consent is required for Construction, removal or alteration of fences, stone walls, hedgerows, banks or any field boundary other than temporary electric fencing. (Consent is not required for normal maintenance.), if not covered by other regulations.	European Union Habitats (Doocastle Turlough Special Area of Conservation 000492) Regulations 2017	Department of Housing, Local Government and Heritage (DHLGH)/ National Parks and Wildlife Service (NPWS)	1997+	All government plans and policy documents are cognisant of these protections
19	1. Habitat area, 2. Habitat distribution, 3. Hydrological Regime, 4. Soil type, 5. Soil nutrient status: nitrogen and phosphorus, 6. Physical structure: bare ground, 7. Chemical processes: calcium carbonate deposition and concentration, 8. Water quality, 9. Active peat formation, 10.1. Vegetation composition: area of vegetation communities, 10.2. Vegetation composition: vegetation zonation, 11.1. Vegetation structure: sward height, 11.2. vegetation structure: turlough woodland, 12. Topical species, 13. Fringing habitats: area.	PA07 Intensive grazing or overgrazing by livestock	Low	MA07 Restoration of Annex I agricultural habitats (incl. re-establish and improve)	Contractual	35% of terrestrial habitat in Doocastle Turlough 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) Scorecards	Department of Agriculture, Food and the Marine (DAFM)	2022+	CAP Strategic Plan
20	1. Habitat area, 2. Habitat distribution, 3. Hydrological Regime, 4. Soil type, 5. Soil nutrient status: nitrogen and phosphorus, 6. Physical structure: bare ground, 7. Chemical processes: calcium carbonate deposition and concentration, 8. Water quality, 9. Active peat formation, 10.1. Vegetation composition: area of vegetation communities, 10.2. Vegetation composition: vegetation zonation, 11.1. Vegetation structure: sward height, 11.2. vegetation structure: turlough woodland, 12. Topical species, 13. Fringing habitats: area.	PA07 Intensive grazing or overgrazing by livestock	Low	MA05 Adapt mowing, grazing and other equivalent agricultural activities (e.g. burning). MA06 - Stop mowing, grazing and other equivalent agricultural activities e.g. burning (incl. restore or improve habitats)	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.	European Union Habitats (Doocastle Turlough Special Area of Conservation 000492) Regulations 2017	Department of Housing, Local Government and Heritage (DHLGH)/ National Parks and Wildlife Service (NPWS)	1997+	All government plans and policy documents are cognisant of these protections
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