

Site name: Castletownshend SAC 001547

County: Cork

Site Specific Conservation Objective (SSCO) Ecological Attributes

[6985] Killarney Fern (*Vandenboschia speciosa*)

- 1 Distribution
- 2 Number of populations
- 3 Number of colonies
- 4 Population:life-cycle stage
- 5.1 Population size: area of occupancy
- 5.2 Population size: living sporophyte fronds
- 6.1 Population structure: young and unfurling fronds
- 6.2 Population structure: fertile fronds
- 6.3 Population structure: juvenile sporophyte fronds emerging from gametophytes
- 7 Habitat extent
- 8.1 Hydrological conditions: wet/ damp microhabitats
- 8.2 Hydrological conditions: relative humidity
- 8.3 Hydrological conditions: desiccated fronds
- 9 Light levels: shading
- 10 Woodland canopy cover
- 11 Invasive species

<div>Site name: 001547</div> <div>Habitat/Species: [6985] Killarney Fern (Vandenboschia speciosa)</div> <div>Site Specific Conservation Objectives (SSCO): To maintain the favourable conservation condition of [6985] in this site</div>										
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. Number of populations, 3. Number of colonies, 4. Population: life-cycle stage, 5.1. Population size: area of occupancy, 5.2. Population size: living sporophyte fronds, 6.1. Population structure: young and unfurling fronds, 6.2. Population structure: fertile fronds, 6.3. Population structure: juvenile sporophyte fronds emerging from gametophytes, 7. Habitat extent, 8.1. Hydrological conditions: wet/damp microhabitats, 8.2. Hydrological conditions: relative humidity, 8.3. Hydrological conditions: desiccated fronds, 9. Light levels: shading, 10 .Woodland canopy cover, 11. Invasive species	No specific pressures/threats were identified	N/A	MI04 Restoration of habitats affected by invasive alien species (incl. of Union concern and others)	Administrative	Training course and capacity building.	NPWS Conservation Measure	National Parks and Wildlife (NPWS)	2024	All government plans and policy documents are cognisant of these protections
2	1. Distribution, 2. Number of populations, 3. Number of colonies, 4. Population: life-cycle stage, 5.1. Population size: area of occupancy, 5.2. Population size: living sporophyte fronds, 6.1. Population structure: young and unfurling fronds, 6.2. Population structure: fertile fronds, 6.3. Population structure: juvenile sporophyte fronds emerging from gametophytes, 7. Habitat extent, 8.1. Hydrological conditions: wet/damp microhabitats, 8.2. Hydrological conditions: relative humidity, 8.3. Hydrological conditions: desiccated fronds, 9. Light levels: shading, 10 .Woodland canopy cover, 11. Invasive species	No specific pressures/threats were identified	N/A	MI04 Restoration of habitats affected by invasive alien species (incl. of Union concern and others)	Administrative	Management for Killarney Fern and maintain the spread of Rubus fruticosus agg. which is impacting on two Killarney Fern colonies at this site.	NPWS Conservation Measure	National Parks and Wildlife (NPWS)	2024	All government plans and policy documents are cognisant of these protections
3	1. Distribution, 2. Number of populations, 3. Number of colonies, 4. Population: life-cycle stage, 5.1. Population size: area of occupancy, 5.2. Population size: living sporophyte fronds, 6.1. Population structure: young and unfurling fronds, 6.2. Population structure: fertile fronds, 6.3. Population structure: juvenile sporophyte fronds emerging from gametophytes, 7. Habitat extent, 8.1. Hydrological conditions: wet/damp microhabitats, 8.2. Hydrological conditions: relative humidity, 8.3. Hydrological conditions: desiccated fronds, 9. Light levels: shading, 10 .Woodland canopy cover, 11. Invasive species	No specific pressures/threats were identified	N/A	MA - Measures related to agricultural practices and agriculture-related habitats	Administrative	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
4	1. Distribution, 2. Number of populations, 3. Number of colonies, 4. Population: life-cycle stage, 5.1. Population size: area of occupancy, 5.2. Population size: living sporophyte fronds, 6.1. Population structure: young and unfurling fronds, 6.2. Population structure: fertile fronds, 6.3. Population structure: juvenile sporophyte fronds emerging from gametophytes, 7. Habitat extent, 8.1. Hydrological conditions: wet/damp microhabitats, 8.2. Hydrological conditions: relative humidity, 8.3. Hydrological conditions: desiccated fronds, 9. Light levels: shading, 10 .Woodland canopy cover, 11. Invasive species	No specific pressures/threats were identified	N/A	MJ01 Implement climate change mitigation measures, MJ02 Implement climate change adaptation measures	Administrative	Small scale slow removal of bramble and supplementary planting of Hazel to provide natural shade to the Killarney Fern at this site.	NPWS Conservation Measure	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. Number of populations, 3. Number of colonies, 4. Population: life-cycle stage, 5.1. Population size: area of occupancy, 5.2. Population size: living sporophyte fronds, 6.1. Population structure: young and unfurling fronds, 6.2. Population structure: fertile fronds, 6.3. Population structure: juvenile sporophyte fronds emerging from gametophytes, 7. Habitat extent, 8.1. Hydrological conditions: wet/damp microhabitats, 8.2. Hydrological conditions: relative humidity, 8.3. Hydrological conditions: desiccated fronds, 9. Light levels: shading, 10 .Woodland canopy cover, 11. Invasive species	No specific pressures/threats were identified	N/A	MJ01 Implement climate change mitigation measures, MJ02 Implement climate change adaptation measures	Administrative	Monitoring by regional staff at this SAC between 3/4 times per year.	NPWS Conservation Measure	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: 001547

Habitat/Species: [6985] Killarney Fern (Vandenboschia speciosa)

Site Specific Conservation Objectives (SSCO): To maintain the favourable conservation condition of [6985] in this site

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:
6	1. Distribution, 2. Number of populations, 3. Number of colonies, 4. Population: life-cycle stage, 5.1. Population size: area of occupancy, 5.2. Population size: living sporophyte fronds, 6.1. Population structure: young and unfurling fronds, 6.2. Population structure: fertile fronds, 6.3. Population structure: juvenile sporophyte fronds emerging from gametophytes, 7. Habitat extent, 8.1. Hydrological conditions: wet/damp microhabitats, 8.2. Hydrological conditions: relative humidity, 8.3. Hydrological conditions: desiccated fronds, 9. Light levels: shading, 10 .Woodland canopy cover, 11. Invasive species	No specific pressures/threats were identified	N/A	MH03 Reduce impact of other specific human activities	Statutory	Regulation protecting Killarney Fern at this Site.	Flora (Protection) Order 2022	Department of Housing, Local Government and Heritage (DHLGH)/National Parks and Wildlife Service (NPWS)	2022+	All government plans and policy documents are cognisant of these protections
7	1. Distribution, 2. Number of populations, 3. Number of colonies, 4. Population: life-cycle stage, 5.1. Population size: area of occupancy, 5.2. Population size: living sporophyte fronds, 6.1. Population structure: young and unfurling fronds, 6.2. Population structure: fertile fronds, 6.3. Population structure: juvenile sporophyte fronds emerging from gametophytes, 7. Habitat extent, 8.1. Hydrological conditions: wet/damp microhabitats, 8.2. Hydrological conditions: relative humidity, 8.3. Hydrological conditions: desiccated fronds, 9. Light levels: shading, 10 .Woodland canopy cover, 11. Invasive species	No specific pressures/threats were identified	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 this SAC.	European Union Habitats (Castletownshend Special Area of Conservation 001547) Regulations, 2017	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. Number of populations, 3. Number of colonies, 4. Population: life-cycle stage, 5.1. Population size: area of occupancy, 5.2. Population size: living sporophyte fronds, 6.1. Population structure: young and unfurling fronds, 6.2. Population structure: fertile fronds, 6.3. Population structure: juvenile sporophyte fronds emerging from gametophytes, 7. Habitat extent, 8.1. Hydrological conditions: wet/damp microhabitats, 8.2. Hydrological conditions: relative humidity, 8.3. Hydrological conditions: desiccated fronds, 9. Light levels: shading, 10 .Woodland canopy cover, 11. Invasive species	No specific pressures/threats were identified	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
9	1. Distribution, 2. Number of populations, 3. Number of colonies, 4. Population: life-cycle stage, 5.1. Population size: area of occupancy, 5.2. Population size: living sporophyte fronds, 6.1. Population structure: young and unfurling fronds, 6.2. Population structure: fertile fronds, 6.3. Population structure: juvenile sporophyte fronds emerging from gametophytes, 7. Habitat extent, 8.1. Hydrological conditions: wet/damp microhabitats, 8.2. Hydrological conditions: relative humidity, 8.3. Hydrological conditions: desiccated fronds, 9. Light levels: shading, 10 .Woodland canopy cover, 11. Invasive species	No specific pressures/threats were identified	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
10	1. Distribution, 2. Number of populations, 3. Number of colonies, 4. Population: life-cycle stage, 5.1. Population size: area of occupancy, 5.2. Population size: living sporophyte fronds, 6.1. Population structure: young and unfurling fronds, 6.2. Population structure: fertile fronds, 6.3. Population structure: juvenile sporophyte fronds emerging from gametophytes, 7. Habitat extent, 8.1. Hydrological conditions: wet/damp microhabitats, 8.2. Hydrological conditions: relative humidity, 8.3. Hydrological conditions: desiccated fronds, 9. Light levels: shading, 10 .Woodland canopy cover, 11. Invasive species	No specific pressures/threats were identified	N/A	MI04 Restoration of habitats affected by invasive alien species (incl. of Union concern and others)	Administrative	Ecological support for IAS control Commission ecological survey for the development of conservation measures programme to benefit Killarney fern.	NPWS Conservation Measure	National Parks and Wildlife (NPWS)	2024	All government plans and policy documents are cognisant of these protections