Ballygalley Head ASSI Condition Assessment Report

Terrestrial – Grassland Fungi Feature 2023

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Acknowledgements

The continued stewardship of the special lands within the ASSI, and access permission to undertake monitoring, is acknowledged. Many protected areas in Northern Ireland are owned and managed by private landowners and farmers and are not accessible to the public.

Summary

Using JNCC Common Standards Monitoring methodology, the Terrestrial Grassland Fungi feature of Ballygalley Head ASSI is currently defined as **Favourable**. Ballygalley Head ASSI remains the 9th best site in Northern Ireland for fairy clubs**.** If the existing records are added to the survey records, the site would also qualify for waxcaps (21 species) and earth tongue (5 species) making it a very good site considering its small size. The interest is widespread over the whole site even on the steepest slopes. It is sheep grazed species rich dry calcareous grassland overlying basalt rocks.

Overall, Ballygalley Head ASSI retains much of its diversity and naturalness, and remains a special place.

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1. Condition Statement

The interest feature of Ballygalley Head ASSI and its condition status is summarised in Table 1 below.

It is important to note that under the Common Standards Monitoring methodology, a site is classified as unfavourable if any primary attribute is failing. In many cases, these sites continue to represent excellent examples of Northern Ireland's best natural assets.

Table 1: Ballygalley Head ASSI Interest Features summary results

ASSI Features	Reporting responsibility	Condition Assessment			
		2020-2025	2014-2019	2008-2013	2002-2007
Grassland Fungi	Species - Flora	Favourable 6 favourable attributes 0 unfavourable attributes	Favourable	Favourable	Not Assessed

*More detailed information on attribute breakdown is available in Section 7 and Appendix 1 of this report.

2. Background

The Department of Agriculture, Environment and Rural Affairs (hereafter referred to as the Department) in its role as the Statutory Nature Conservation Body, undertakes regular monitoring of the special assets, or features, contained within specially protected sites across Northern Ireland. These sites include Special Areas of Conservation (SACs), Special Protection Areas (SPAs) and Areas of Special Scientific Interest (ASSIs). Further details can be found at https://www.daerani.gov.uk/landing-pages/protected-areas.

This monitoring enables reporting on the status of the special features which are protected, enables objective feedback on current management measures and can inform any subsequent management intentions. Results can also contribute to the assessment of relevant policies in place, and also inform future policy development. In addition, the results inform the implementation of a range of obligations under both national and international policy and legislation. These include: the Convention on Biological Diversity (CBD), the Convention for the Protection of the Marine Environment of the NorthEast Atlantic (OSPAR), the Bern Convention, the Marine Strategy Framework Directive (MSFD), and the Water Framework Directive (WFD).

The monitoring undertaken is called Condition Assessment, as it is the condition of the special features that is being assessed. The approach is also known as Common Standards Monitoring, because the methodology aims to result in a *common standard* being reported across sites in NI and the rest of the UK. The Department aims to complete a rolling programme of ASSI Condition Assessment and reporting every six years.

The monitoring is focused, as outlined in the Joint Nature Conservation Committee (JNCC) guidance (JNCC, 2004a), primarily on the interest features for which the site has been notified or designated. They include habitat types, species and earth science features, as well as complex features such as habitat mosaics and species assemblages. Each interest feature must be identified, monitored, assessed and reported upon separately.

Monitoring and assessment of the condition of the interest features of individual sites enables relevant authorities, agencies and landowners to adapt management measures accordingly to ensure conservation objectives are achieved.

The Conservation Objectives for each site contain details of the attributes (measurable targets) for each interest feature within the site: the condition assessment determines the condition status of each interest feature when compared against relevant feature attributes.

The JNCC Statement on Common Standards Monitoring (JNCC, 2019) assesses interest features using one of the following four condition categories. These are all common standards:

- **Favourable**: Condition objectives are being met
- **Unfavourable**: Condition objectives are not being met
- **Partially destroyed**: The feature, habitat or processes essential to support it have been removed or irretrievably altered. A condition assessment should be carried out on the remaining, intact feature.
- **Destroyed**: The interest feature, its supporting habitat or processes, have been affected (completely or partially) to such an extent that there is no hope of recovery.

The JNCC has listed the following trend qualifiers which were previously considered part of the common standards as optional, which the Department may choose to use as required:

- **Favourable – maintained**: The conservation objectives which were met at the previous assessment are still being met.
- **Favourable – recovered**: The interest feature has gained favourable condition, having been previously recorded as unfavourable.
- **Favourable – declining**: All targets are being met, but identified pressures indicate that unfavourable condition will result if these pressures are left unaddressed.
- **Unfavourable – recovering:** The interest feature has begun to show, or is continuing to show, a trend towards favourable condition.
- **Unfavourable - no change**. The interest feature is unfavourable but neither declining nor recovering.
- **Unfavourable - declining**. The interest feature is declining as a consequence of damaging activity, but where recovery is possible, either spontaneously or if suitable management input is made.

3. ASSI Overview

Many protected areas in Northern Ireland are owned and managed by private landowners and farmers and are not accessible to the public

Table 2: ASSI details

ASSI name	Ballygalley Head ASSI
ASSI code	ASSI399
Council Area (s)	Larne Borough Council
Irish Grid Reference	D381078
Landowner details	Private ownership
ASSI size	2.34 ha
Date declared	29/03/2013

Further information on Ballygalley Head ASSI is available via:

- DAERA website;
- NIEA map viewer;
- NBN (National Biodiversity Network) Atlas NI

4. Location map



5. Feature description

Waxcaps (the genus *Hygrocybe s. lat.*) have been described as the orchids of the fungi world (Marren, 1998). They are often startling in colour from reds, oranges and yellows to whites and

browns. They can smell of honey or cedar wood or, less pleasantly, oily or nitrous. They are usually found in grasslands in Northern Europe although they can also be found in woods and indeed in many parts of the world like the tropics and Australia, they are predominantly woodland species. Waxcaps are one of the groups of grassland fungi that are now recognised as excellent indicators of unfertilised grassland or "waxcap grasslands" (Arnolds, 1980). "Waxcap grasslands" can be rich in other grassland fungi and usually include the *Entolomaceae* (pink spored gill fungi), the Clavarioids (fairy clubs), the Geoglossoids (earth tongues) and species from the smaller genera of
Camarophyllopsis, Dermoloma, Hodophilus and *Pseudotricholoma* (*Porpoloma)* – all forming the "CHEGD" suite with C=Clavarioids, H=Hygrocybe s. lat., E=Entolomaceae, G=Geoglossoids and D covering the other genera of interest. This last group ("D") was only added later to the scoring system so many early visits only have CHEG scores quoted. McHugh *et. al.* in 2001, assessed grassland fungi in Ireland and produced a system for ranking Irish sites (the "Irish Score") giving higher weighting to perceived indicator species to balance the lack of records for Irish sites.

The recently revised SSSI Guidelines described a simple non-weighted scoring system (hence forward called the "SSSI Score") for assessing sites of grassland fungi interest for SSSI / ASSI designation (Bosanquet *et. al.*, 2018). It must be noted that there can a subtle difference between the CHEGD score and the SSSI score for a site due to species aggregates being used in the SSSI score system or some species not counting to grassland scores due to having normally different habitat requirements. This difference will become more pronounced as more cryptic species are discovered within current species concepts e.g. *Microglossum olivaceum* s. lat. or *Entoloma bloxamii* s. lat. Appendix 9 lists the CHEGD species for the site alongside their SSSI scoring name. The advantage of using the SSSI scoring system as an attribute for condition monitoring is that sites may qualify for any of the individual CHEGD component groups giving a finer resolution of assessment.

6. Common Standards Monitoring Methodology

The condition of the grassland fungi feature of Ballygalley Head ASSI has been assessed following the methodology for assessing grassland fungi features as determined by DAERA. The attributes measured were derived from a combination of direct and indirect attributes determined by DAERA following a research project by Bataille and Wright (2006).

The attributes chosen from this report for grassland fungi prior to 2022 were based on the "Irish score" (McHugh *et. al.*, 2001) and attributes used for higher plant assessments. With NIEA staff, we reviewed the list of grassland fungi attributes prior to this work as the Irish scoring system is itself old and in need of review, the JNCC system (Bosanquet *et. al.*, 2018) has since been published and the higher plant attribute limits are maybe not applicable to grassland fungi. With recent stable isotope work, the perceived link with mosses has been questioned but it is not known what actual requirements are. Hence, limits on the cover of mosses, grasses and herbs are for grassland fungi of doubtful relevance. It was decided to simplify the attribute list with the following attributes and targets chosen:

- Species Composition: Combined Irish score of greater than half the total ever recorded for the site. This attribute and target is retained but will be reviewed
- Species Composition: C 7 or H 19 or E 15 or G 5 or D 3 using the SSSI scoring system. New – based on JNCC guidelines
- Vegetation Structure: Sward height below 10cms. Revised with no lower limit as there is no evidence of grassland fungi being restricted by very low swards.

- Vegetation Structure: Percentage cover of bryophytes more than 25%. This may need to be reviewed in the future when more data is available.
- Vegetation Structure: Trees and/or shrubs no more than rare or collectively accounting for no more than 5% of the area. Retained as a site scrubbing over will be detrimental to the grassland fungi
- Species Composition: No one negative indicator more than occasional throughout the sward. Retained.

The previous attributes of percent cover of litter, percent cover of bare ground, percent cover of grasses and percent cover of herbs will all be recorded on all quadrats to help determine if any are informative for grassland fungi.

The choice of where are quadrats are recorded was debated. As the presence of grassland fungi mycelia underground is obviously invisible to the eye, pre-determined randomly located quadrats may or may not be in areas of fungal interest and hence could give false results when assessing for condition. It was decided that quadrats would be placed in areas with CHEGD fruiting bodies and the number of quadrats was related to the size of the area of interest.

Site specific methodology

The assessment was undertaken by David Mitchel on behalf of DAERA on 30 October 2023. Prior to visiting the site, all historical grassland fungi records were compiled and plotted on GIS and combined with a visual assessment of the aerial photographs, areas of "waxcap" interest were digitised for the site to focus recording effort. This then allowed a route for transect walks to be planned. On these transects, all CHEGD species were recorded. Following Bataille and Wright (2006), 1x1m quadrats were located in areas of good grassland fungal fruiting and the agreed attributes were recorded in these quadrats.

Prior to this assessment, Ballygalley Head ASSI qualified for ASSI consideration meeting the C or Fairy Club threshold of 7 species. It was the 9th best site for Fairy Clubs in Northern Ireland. The site had the following CHEGD score:

Site	Area (ha)	C	H	E	G	D	Irish Score
Ballygalley Head ASSI	2.34	7	14	3	4	1	38

Map 1 shows the pre-existing CHEGD records for Ballygalley Head ASSI.

7. Results

Grassland Fungi Feature

At Ballygalley Head ASSI, 12 Condition Assessment plots and a transect route were assessed against 6 attributes in 2023.

Map 2 shows the transect routes, location of quadrats and location of CHEGD species records. Not every CHEGD species found was logged as some species are very common. The first find of a species in a new area and all notable species records were recorded. Only the first record of non CHEGD species was recorded unless notable. Where required, specimens have been retained of key finds for further microscopic examination or for DNA analysis. All layers shown on these maps have been provided as GIS layers to DAERA.

The following CHEGD scores were recorded in this assessment for the ASSI (The figure in brackets for the G score is due to two members of the *Microglossum olivaceum* complex being present.)

Site	Area (ha)	C	H	E	G	D	Irish Score
Ballygalley Head ASSI	2.34	7	18	5	3 (4)	1	44

Ballygalley Head ASSI therefore passes the SSSI threshold of 7 species of Fairy Club.

The detailed condition assessment attributes are displayed in the Grassland Fungi Attribute Table where they are measured against set condition assessment targets.

Table 4: Summary table of all attributes assessed against set criteria

Species Composition: Combined Irish score of greater than half the total ever recorded for the site	Favourable
Species Composition: C 7 or H 19 or E 15 or G 5 or D 3 using the SSSI scoring system	Favourable
Vegetation Structure: Sward height below 10cm	Favourable
Vegetation Structure: Cover of bryophytes greater than 25%	Favourable
Vegetation Structure: Trees and/or shrubs no more than rare or collectively accounting for no more than 5% of the area	Favourable
Species Composition: No one negative indicator more than occasional throughout the sward	Favourable

Ballygalley Head ASSI passed all attribute assessments and was therefore assessed as **Favourable.**

8. Discussion

Grassland Fungi Feature

The Grassland Fungi Feature of Ballygalley Head ASSI is in **Favourable** condition.

Ballygalley Head ASSI remains the 9th best site in Northern Ireland for fairy clubs**.** If the existing records are added to the survey records, the site would also qualify for waxcaps (21 species) and earth tongue (5 species) making it a very good site considering its small size. The interest is widespread over the whole site even on the steepest slopes. It is sheep grazed species rich dry calcareous grassland overlying basalt rocks.

CHEGD Notable Records

- *Clavaria fumosa* Pers.

See Photo 4. The Smokey Spindles noted by its grey colour and densely packed non-branched clubs.

- *Clavulinopsis umbrinella* Sacc.

See Photo 5. The Beige Coral. A very attractive densely branched coral fungus that has only been recorded from 20 sites in Northern Ireland.

- *Dermoloma cf. cuneifolium*

Dermoloma as a genus is known to be much more complex than originally thought. Work in 2021 (Sanchez-Garcia *et. al.*, 2021) identified a number of yet unnamed species of *Dermoloma* after phylogenetic study and one *Dermoloma* found on the site had a sequence that was near to *D. cuneifolium* but different to it. In the study, it was labelled "*Dermoloma cf. cuneifolium"* and this sequence was nearest to a sequence from Slovakia. The species was marked by non-amyloid spores and a cap that cracks but also blackens. At this stage, it is unknown if this is distinctive. See Photo 6.

- *Entoloma porphyrophaeum* (Fr.) P. Karst.

See Photo 8. One of the most distinctive pink gills with large fruiting bodies, a dry cap with a sharp umbo and purple/red colours on the stipe. Found at Crockanore. Vulnerable on the IUCN list.

- *Microglossum* aff. *nudipes*

See Photo 9. One of the newly described species within the *Microglossum olivaceum* complex (Kučera, 2017). Confirmed by DNA sequencing. Work is ongoing with the species in the *M. nudipes* group as there are still cryptic species in this group but this specimen may be the actual *M. nudipes*. This keyed out as *M. tenebrosum* due to the small spore size which is suggesting that the published spore sizes for *M. nudipes* and associated clades are not correct.

- *Microglossum truncatum* V. Kučera, Lizoň & Tomšovský

See Photo 10 . Another of the newly described species within the *Microglossum olivaceum* complex (Kučera, 2017). Confirmed by DNA sequencing. This species is proving to be the most common in the complex along with the greener *Microglossum pratense.* This also keyed out as *M. tenebrosum* due to the small spore size suggesting the published spore sizes for *M. truncatum* are also not correct.

Cuphophyllus colemannianus (A. Bloxam) Bon

See Photo 11. One of the more unusual waxcaps usually restricted to calcareous soils. Dark brown greasy cap with thick decurrent gills and very often interveined. Vulnerable on the IUCN list.

- *Hygrocybe citrinovirens* (J.E. Lange) Jul. Schäff.

See Photo 12. A large citrine yellow waxcap that is usually found early in the year with only occasional late season records. Only recorded from 25 sites in Northern Ireland and only with 5 records later in the year than October 20th in Northern Ireland.

- *Hygrocybe lepida* Arnolds

See Photo 13. This is a new name for the well known *Hygrocybe cantharellus*. Molecular work has shown that the European *Hygrocybe lepida* is distinct to *Hygrocybe cantharellus* which, so far, is only known from North America. See https://redlist.info/iucn/species_view/1000198.

- *Hygrocybe mucronella* (Fr.) P. Karst.

See Photo 14. One of the unusual waxcaps noted by its greasy cap and very bitter taste noted by licking the cap. Often restricted to calcareous sites.

- *Neohygrocybe nitrata* (Pers.) Herink

See Photo 15. Always a sign of a good site, this species is noted by its brown often scurfy cap, pale to yellowish stipe and strong nitrous smell. Vulnerable on the IUCN list.

New Total CHEGD Site Details

Site	Area (ha)	C	H	E	G	D	Irish Score
Ballygalley Head ASSI	2.34	7	21	8	5 (6)	1	56

Ballygalley Head ASSI is now the 9th best site in Northern Ireland for Fairy Clubs and in top 15 for waxcaps. The figure in brackets for the G score is due to two members of the *Microglossum olivaceum* complex being present.

CHEGD species new to the site are:

- *Gliophorus irrigatus* (H)
- *Gliophorus laetus* (H)
- *Hygrocybe acutoconica var. acutoconica* (H)
- *Hygrocybe citrinovirens* (H)
- *Hygrocybe lepida* (H)
- *Hygrocybe mucronella* (H)
- *Neohygrocybe nitrata* (H)
- *Entoloma cf coracis* (E)
- *Entoloma infula* (E)
- *Entoloma porphyrophaeum* (E)
- *Entoloma prunuloides* (E)
- *Entoloma sericeum* (E)
- *Geoglossum umbratile* (G)
- *Microglossum* aff. *nudipes* (G)
- *Microglossum truncatum* (G)
- *Dermoloma cf cuneifolium* (D)

9. Feature Recommendations

As the feature is in favourable condition, the main thing is to continue the current management and it is a case of making sure that certain actions are not undertaken rather than undertaking active management. These actions include:

- No additions of fertilisers especially phosphorus
- No liming
- Avoid use of fungicides and moss killers

Grazing is the critical active management activity on the site for grassland fungi and sward height was very favourable all over the site. Scrub is present on the site and needs to be monitored to ensure that it is not increasing detrimentally.

10. References

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11. Appendix 1 – Attribute tables

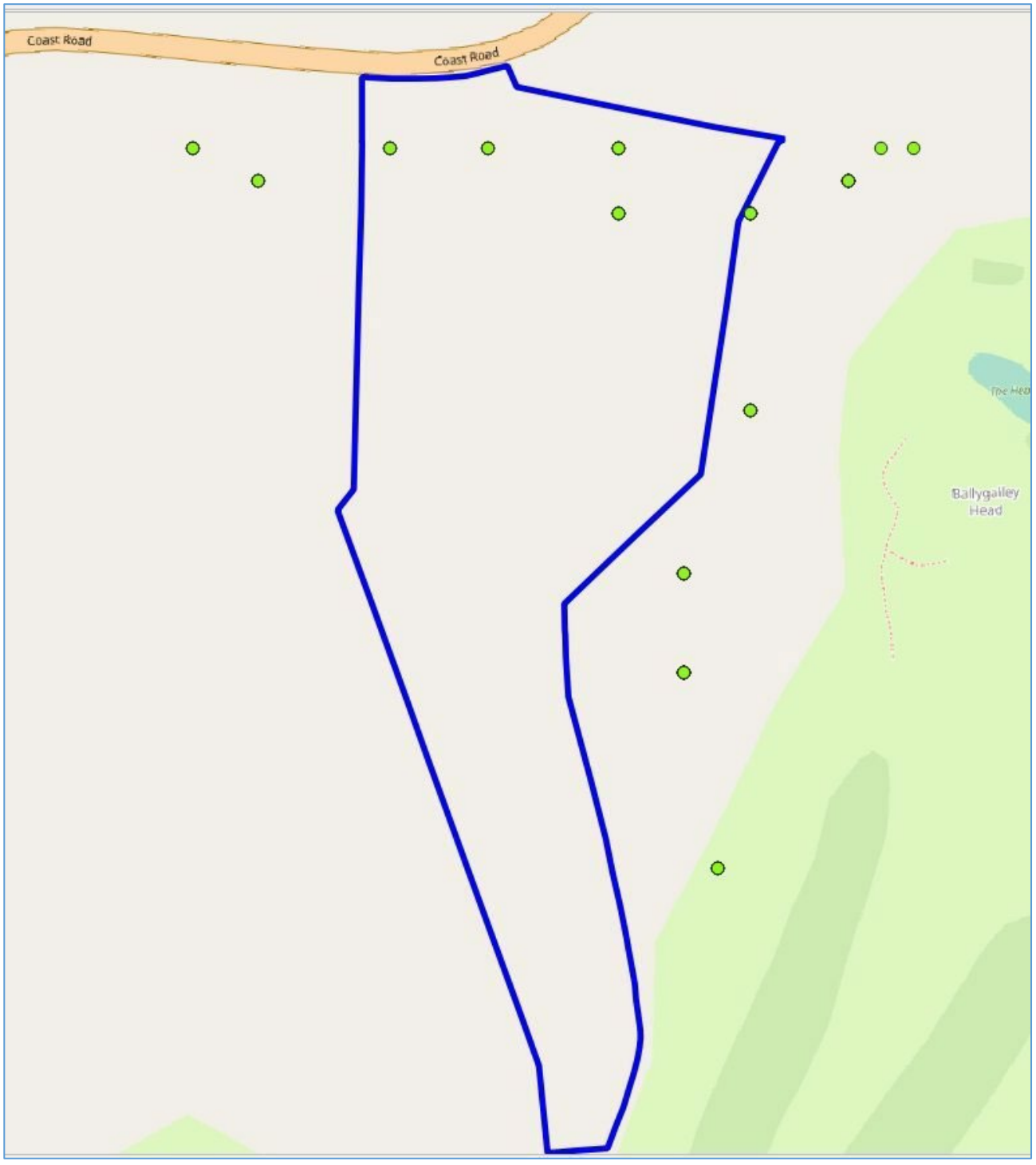
Grassland Fungi Attribute Table

Attribute	Target	Method of Assessment	Monitoring Results 2023	Assessment	Monitoring Results 2019
Direct Attributes					
Species Composition	Combined Irish score of greater than half the total ever recorded for the site	Field Survey	44 – 38 was total for site prior to survey	**Favourable**	36
Species Composition	C 7 or H 19 or E 15 or G 5 or D 3 using the SSSI scoring system	Field Survey	C 7; H 18; E 5; G 3; D 1 so qualifies under the C (fairy club) group	**Favourable**	Not assessed
Indirect Attributes					
Sward height	Below 10cm	Visual Assessment	4.16cms	**Favourable**	4.5cms
Bryophytes	Cover greater than 25%	Visual Assessment	30.8%	**Favourable**	25%
Trees and/or shrubs	No more than rare or collectively accounting for no more than 5% of the area	Visual Assessment	Not present in quadrats	**Favourable**	Absent
Species Composition	No one negative indicator more than occasional throughout the sward. *Anthriscus sylvestris*, *Cirsium arvense, Cirsium vulgare, Plantago major, Rumex obtusifolius, Senecio jacobaea Urtica dioica*	Visual Assessment	None present	**Favourable**	Absent
Additional Discretionary Attributes					
Cover of litter		Visual Assessment	0%	NA	Not assessed

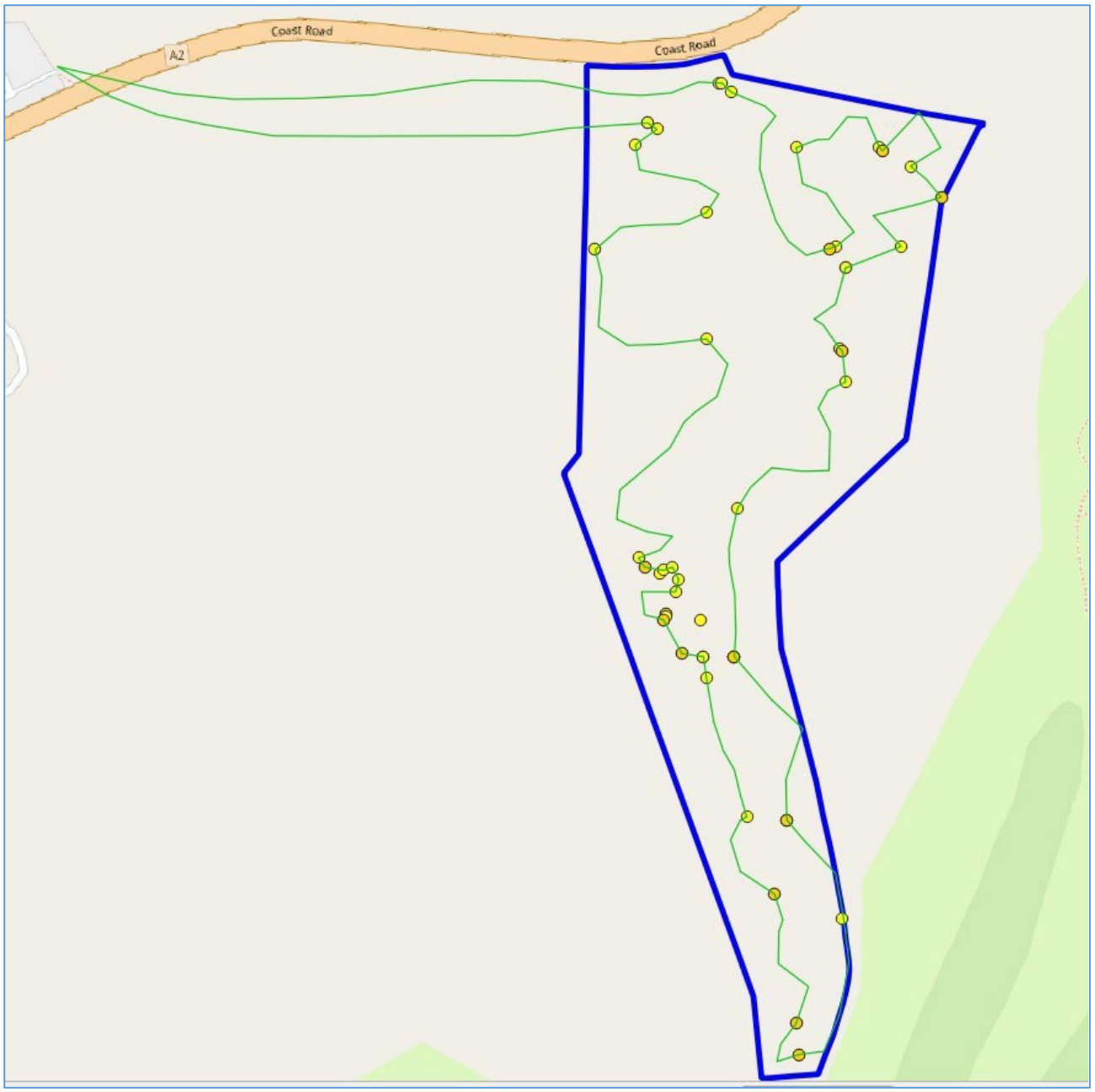
Cover of bare ground	NA – percent coverage recorded on all quadrats to help determine if any are informative for grassland fungi	Visual Assessment	3.3%	NA	Not assessed
Cover of herbs		Visual Assessment	33.75%	NA	Not assessed
Cover of grasses		Visual Assessment	30.8%	NA	Not assessed

12. Appendix 2 – Maps

All map backgrounds are @OpenStreetMap Contributors



Map 1 – Existing CHEGD records on Ballygalley Head ASSI prior to this assessment. The spatial locations of the older grid references were confusing. The site was labelled "Ballygalley Head ASSI" so it is assumed that the records should be within the site boundary.



Map 2 – Condition Assessment Transects, CHEGD records and Quadrat Locations on Ballygalley Head ASSI

Green line = transect route; Orange dots = Quadrat locations; Yellow dots = CHEGD records

13. Appendix 3 – Target notes

Code	Comment	Easting	Northing
BH01	Gentler lower slopes had scattered interest and were not as good as the steeper slopes	338095	407913
BH02	Occasional scrub bushes near lower fence	338090	407823
BH03	Good area of fungi interest	338097	407765
BH04	Interest is continual over the site right to far southern boundary	338131	407631
BH05	Sward was higher alongside golf course	338153	407652
BH06	Dense gorse	338121	407783
BH07	Good interest on upper slopes above steep slopes	338153	407851
BH08	Steepest slopes retain fungal interest	338147	407925

Table 6: Target notes recorded within Ballygalley Head ASSI and its surrounds

14. Appendix 4 – Photographs



Photo 1: Ballygalley Head ASSI from the coast road



Photo 2: The steep upper slopes of Ballygalley Head ASSI



Photo 3: Ballygalley Head ASSI from above



Photo 4: *Clavaria fumosa*.



Photo 5: *Clavulinopsis umbrinella*.



Photo 6. *Dermoloma cf cuneifolium*



Photo 8: Entoloma porphyrophaeum



Photo 9: *Microglossum* aff. *nudipes*



Photo 10: *Microglossum truncatum*



Photo 11: *Cuphophyllus colemannianus*



Photo 12:*Hygrocybe citrinovirens*



Photo 13: *Hygrocybe lepida*



Photo 14: *Hygrocybe mucronella*



Photo 15: *Neohygrocybe nitrata*

15. Appendix 5 – Survey dates

Table 7: Survey dates and locations monitored

Survey dates	Survey Staff	Total	Locations Monitored	Feature type
30/10/2023	David Mitchel/ Jolanda Smit	0.5 day	Ballygalley Head ASSI	Grassland Fungi

16. Appendix 6 – Existing CHEGD Records for Ballygalley Head ASSI

Site	Grid ref	Date	Species	Current Name	Type	Recorder
Ballygalley Head ASSI	D38080793	08/11/2012	*Clavaria acuta*	*Clavaria acuta*	C	Mark Wright
Ballygalley Head ASSI	D38150792	03/10/2012	*Clavaria fumosa*	*Clavaria fumosa*	C	Mark Wright
Ballygalley Head ASSI	D38120791	08/11/2012	*Clavaria fumosa*	*Clavaria fumosa*	C	Mark Wright
Ballygalley Head ASSI	D38160793	18/10/2019	*Clavaria fumosa*	*Clavaria fumosa*	C	DAERA Habitat Survey Team
Ballygalley Head ASSI	D38170793	18/10/2019	*Clavaria fumosa*	*Clavaria fumosa*	C	DAERA Habitat Survey Team
Ballygalley Head ASSI	D37970792	03/10/2012	*Clavulinopsis corniculata*	*Clavulinopsis corniculata*	C	Mark Wright
Ballygalley Head ASSI	D38080791	03/10/2012	*Clavulinopsis corniculata*	*Clavulinopsis corniculata*	C	Mark Wright
Ballygalley Head ASSI	D38110771	03/10/2012	*Clavulinopsis corniculata*	*Clavulinopsis corniculata*	C	Mark Wright
Ballygalley Head ASSI	D38120785	03/10/2012	*Clavulinopsis corniculata*	*Clavulinopsis corniculata*	C	Mark Wright
Ballygalley Head ASSI	D38100777	08/11/2012	*Clavulinopsis corniculata*	*Clavulinopsis corniculata*	C	Mark Wright
Ballygalley Head ASSI	D38120791	08/11/2012	*Clavulinopsis corniculata*	*Clavulinopsis corniculata*	C	Mark Wright
Ballygalley Head ASSI	D37950793	08/11/2012	*Clavulinopsis corniculata*	*Clavulinopsis corniculata*	C	Mark Wright
Ballygalley Head ASSI	D37950793	08/11/2012	*Clavulinopsis corniculata*	*Clavulinopsis corniculata*	C	Mark Wright

Ballygalley Head ASSI	D38100777	08/11/2012	*Clavulinopsis fusiformis*	*Clavulinopsis fusiformis*	C	Mark Wright
Ballygalley Head ASSI	D38120791	08/11/2012	*Clavulinopsis helvola*	*Clavulinopsis helvola*	C	Mark Wright
Ballygalley Head ASSI	D38150792	03/10/2012	*Clavulinopsis luteoalba*	*Clavulinopsis luteoalba*	C	Mark Wright
Ballygalley Head ASSI	D381078	03/10/2012	*Clavulinopsis umbrinella*	*Clavulinopsis umbrinella*	C	DAERA Habitat Survey Team
Ballygalley Head ASSI	D37950793	08/11/2012	*Clavulinopsis umbrinella*	*Clavulinopsis umbrinella*	C	Mark Wright
Ballygalley Head ASSI	D38120791	08/11/2012	*Clavulinopsis umbrinella*	*Clavulinopsis umbrinella*	C	Mark Wright
Ballygalley Head ASSI	D381078	18/10/2019	*Clavulinopsis umbrinella*	*Clavulinopsis umbrinella*	C	DAERA Habitat Survey Team
Ballygalley Head ASSI	D38100777	08/11/2012	*Hygrocybe colemanniana*	*Cuphophyllus colemannianus*	H	Mark Wright
Ballygalley Head ASSI	D381078	18/10/2019	*Hygrocybe colemanniana*	*Cuphophyllus colemannianus*	H	DAERA Habitat Survey Team
Ballygalley Head ASSI	D38080791	03/10/2012	*Hygrocybe pratensis var. pallida*	*Cuphophyllus pratensis var. pallidus*	H	Mark Wright
Ballygalley Head ASSI	D38080791	03/10/2012	*Hygrocybe pratensis var. pratensis*	*Cuphophyllus pratensis var. pratensis*	H	Mark Wright
Ballygalley Head ASSI	D38150792	03/10/2012	*Hygrocybe pratensis var. pratensis*	*Cuphophyllus pratensis var. pratensis*	H	Mark Wright
Ballygalley Head ASSI	D37970792	03/10/2012	*Hygrocybe pratensis var. pratensis*	*Cuphophyllus pratensis var. pratensis*	H	Mark Wright
Ballygalley Head ASSI	D38110771	03/10/2012	*Hygrocybe pratensis var. pratensis*	*Cuphophyllus pratensis var. pratensis*	H	Mark Wright
Ballygalley Head ASSI	D38120785	03/10/2012	*Hygrocybe pratensis var. pratensis*	*Cuphophyllus pratensis var. pratensis*	H	Mark Wright

Ballygalley Head ASSI	D38010793	08/11/2012	*Hygrocybe pratensis var. pratensis*	*Cuphophyllus pratensis var. pratensis*	H	Mark Wright
Ballygalley Head ASSI	D38080793	08/11/2012	*Hygrocybe pratensis var. pratensis*	*Cuphophyllus pratensis var. pratensis*	H	Mark Wright
Ballygalley Head ASSI	D38100777	08/11/2012	*Hygrocybe pratensis var. pratensis*	*Cuphophyllus pratensis var. pratensis*	H	Mark Wright
Ballygalley Head ASSI	D38120791	08/11/2012	*Hygrocybe pratensis var. pratensis*	*Cuphophyllus pratensis var. pratensis*	H	Mark Wright
Ballygalley Head ASSI	D37950793	08/11/2012	*Hygrocybe russocoriacea*	*Cuphophyllus russocoriaceus*	H	Mark Wright
Ballygalley Head ASSI	D38120791	08/11/2012	*Hygrocybe russocoriacea*	*Cuphophyllus russocoriaceus*	H	Mark Wright
Ballygalley Head ASSI	D38150792	03/10/2012	*Hygrocybe virginea var. virginea*	*Cuphophyllus virgineus*	H	Mark Wright
Ballygalley Head ASSI	D38040793	03/10/2012	*Hygrocybe virginea var. virginea*	*Cuphophyllus virgineus*	H	Mark Wright
Ballygalley Head ASSI	D38110771	03/10/2012	*Hygrocybe virginea var. virginea*	*Cuphophyllus virgineus*	H	Mark Wright
Ballygalley Head ASSI	D38120791	08/11/2012	*Hygrocybe virginea var. virginea*	*Cuphophyllus virgineus*	H	Mark Wright
Ballygalley Head ASSI	D38010793	08/11/2012	*Hygrocybe virginea var. virginea*	*Cuphophyllus virgineus*	H	Mark Wright
Ballygalley Head ASSI	D38100777	08/11/2012	*Hygrocybe virginea var. virginea*	*Cuphophyllus virgineus*	H	Mark Wright
Ballygalley Head ASSI	D37970792	03/10/2012	*Dermoloma cuneifolium*	*Dermoloma cuneifolium*	D	Mark Wright
Ballygalley Head ASSI	D38150792	03/10/2012	*Dermoloma cuneifolium*	*Dermoloma cuneifolium*	D	Mark Wright
Ballygalley Head ASSI	D38100777	08/11/2012	*Dermoloma cuneifolium*	*Dermoloma cuneifolium*	D	Mark Wright

Ballygalley Head ASSI	D38120791	08/11/2012	*Dermoloma cuneifolium*	*Dermoloma cuneifolium*	D	Mark Wright
Ballygalley Head ASSI	D381078	18/10/2019	*Dermoloma cuneifolium*	*Dermoloma cuneifolium*	D	DAERA Habitat Survey Team
Ballygalley Head ASSI	D38120785	03/10/2012	*Entoloma griseocyaneum*	*Entoloma griseocyaneum*	E	Mark Wright
Ballygalley Head ASSI	D38080791	03/10/2012	*Entoloma jubatum*	*Entoloma jubatum*	E	Mark Wright
Ballygalley Head ASSI	D38150792	03/10/2012	*Entoloma xanthochroum*	*Entoloma xanthochroum*	E	Mark Wright
Ballygalley Head ASSI	D38100777	08/11/2012	*Geoglossum fallax*	*Geoglossum fallax*	G	Mark Wright
Ballygalley Head ASSI	D38110771	03/10/2012	*Gliophorus psittacinus*	*Gliophorus psittacinus*	H	Mark Wright
Ballygalley Head ASSI	D38120785	03/10/2012	*Gliophorus psittacinus*	*Gliophorus psittacinus*	H	Mark Wright
Ballygalley Head ASSI	D38150792	03/10/2012	*Gliophorus psittacinus*	*Gliophorus psittacinus*	H	Mark Wright
Ballygalley Head ASSI	D38040793	03/10/2012	*Gliophorus psittacinus*	*Gliophorus psittacinus*	H	Mark Wright
Ballygalley Head ASSI	D38010793	08/11/2012	*Gliophorus psittacinus*	*Gliophorus psittacinus*	H	Mark Wright
Ballygalley Head ASSI	D38080793	08/11/2012	*Gliophorus psittacinus*	*Gliophorus psittacinus*	H	Mark Wright
Ballygalley Head ASSI	D38100777	08/11/2012	*Gliophorus psittacinus*	*Gliophorus psittacinus*	H	Mark Wright
Ballygalley Head ASSI	D38120791	08/11/2012	*Gliophorus psittacinus*	*Gliophorus psittacinus*	H	Mark Wright
Ballygalley Head ASSI	D38120791	08/11/2012	*Geoglossum glutinosum*	*Glutinoglossum glutinosum*	G	Mark Wright

Ballygalley Head ASSI	D38120785	03/10/2012	*Hygrocybe calciphila*	*Hygrocybe calciphila*	H	Mark Wright

Ballygalley Head ASSI	D381078	18/10/2019	*Hygrocybe calciphila*	*Hygrocybe calciphila*	H	DAERA Habitat Survey Team
Ballygalley Head ASSI	D38100777	08/11/2012	*Hygrocybe ceracea*	*Hygrocybe ceracea*	H	Mark Wright

Ballygalley Head ASSI	D38040793	03/10/2012	*Hygrocybe chlorophana*	*Hygrocybe chlorophana*	H	Mark Wright
Ballygalley Head ASSI	D38120785	03/10/2012	*Hygrocybe chlorophana*	*Hygrocybe chlorophana*	H	Mark Wright
Ballygalley Head ASSI	D38150792	03/10/2012	*Hygrocybe chlorophana*	*Hygrocybe chlorophana*	H	Mark Wright
Ballygalley Head ASSI	D37970792	03/10/2012	*Hygrocybe coccinea*	*Hygrocybe coccinea*	H	Mark Wright
Ballygalley Head ASSI	D38080791	03/10/2012	*Hygrocybe coccinea*	*Hygrocybe coccinea*	H	Mark Wright
Ballygalley Head ASSI	D38120785	03/10/2012	*Hygrocybe coccinea*	*Hygrocybe coccinea*	H	Mark Wright
Ballygalley Head ASSI	D38150792	03/10/2012	*Hygrocybe coccinea*	*Hygrocybe coccinea*	H	Mark Wright
Ballygalley Head ASSI	D37950793	08/11/2012	*Hygrocybe coccinea*	*Hygrocybe coccinea*	H	Mark Wright
Ballygalley Head ASSI	D38010793	08/11/2012	*Hygrocybe coccinea*	*Hygrocybe coccinea*	H	Mark Wright
Ballygalley Head ASSI	D38080793	08/11/2012	*Hygrocybe coccinea*	*Hygrocybe coccinea*	H	Mark Wright
Ballygalley Head ASSI	D38100777	08/11/2012	*Hygrocybe coccinea*	*Hygrocybe coccinea*	H	Mark Wright

Ballygalley Head ASSI	D38120791	08/11/2012	*Hygrocybe coccinea*	*Hygrocybe coccinea*	H	Mark Wright
Ballygalley Head ASSI	D38150792	03/10/2012	*Hygrocybe conica*	*Hygrocybe conica*	H	Mark Wright
Ballygalley Head ASSI	D38110771	03/10/2012	*Hygrocybe conica*	*Hygrocybe conica*	H	Mark Wright
Ballygalley Head ASSI	D37970792	03/10/2012	*Hygrocybe conica*	*Hygrocybe conica*	H	Mark Wright
Ballygalley Head ASSI	D38120791	08/11/2012	*Hygrocybe conica*	*Hygrocybe conica*	H	Mark Wright
Ballygalley Head ASSI	D37950793	08/11/2012	*Hygrocybe insipida*	*Hygrocybe insipida*	H	Mark Wright
Ballygalley Head ASSI	D38080793	08/11/2012	*Hygrocybe insipida*	*Hygrocybe insipida*	H	Mark Wright
Ballygalley Head ASSI	D38100777	08/11/2012	*Hygrocybe insipida*	*Hygrocybe insipida*	H	Mark Wright
Ballygalley Head ASSI	D38120791	08/11/2012	*Hygrocybe insipida*	*Hygrocybe insipida*	H	Mark Wright
Ballygalley Head ASSI	D381078	03/10/2012	*Hygrocybe punicea*	*Hygrocybe punicea*	H	DAERA Habitat Survey Team
Ballygalley Head ASSI	D38080793	08/11/2012	*Hygrocybe punicea*	*Hygrocybe punicea*	H	Mark Wright
Ballygalley Head ASSI	D381078	18/10/2019	*Hygrocybe punicea*	*Hygrocybe punicea*	H	DAERA Habitat Survey Team
Ballygalley Head ASSI	D38080791	03/10/2012	*Hygrocybe quieta*	*Hygrocybe quieta*	H	Mark Wright
Ballygalley Head ASSI	D38150792	03/10/2012	*Hygrocybe quieta*	*Hygrocybe quieta*	H	Mark Wright
Ballygalley Head ASSI	D381078	03/10/2012	*Hygrocybe quieta*	*Hygrocybe quieta*	H	DAERA Habitat Survey Team

Ballygalley Head ASSI	D38040793	03/10/2012	*Hygrocybe quieta*	*Hygrocybe quieta*	H	Mark Wright
Ballygalley Head ASSI	D37970792	03/10/2012	*Hygrocybe quieta*	*Hygrocybe quieta*	H	Mark Wright
Ballygalley Head ASSI	D38110771	03/10/2012	*Hygrocybe quieta*	*Hygrocybe quieta*	H	Mark Wright
Ballygalley Head ASSI	D38100777	08/11/2012	*Hygrocybe quieta*	*Hygrocybe quieta*	H	Mark Wright
Ballygalley Head ASSI	D38120791	08/11/2012	*Hygrocybe quieta*	*Hygrocybe quieta*	H	Mark Wright
Ballygalley Head ASSI	D381078	18/10/2019	*Hygrocybe quieta*	*Hygrocybe quieta*	H	DAERA Habitat Survey Team
Ballygalley Head ASSI	D38080791	03/10/2012	*Microglossum olivaceum*	*Microglossum olivaceum agg.*	G	Mark Wright
Ballygalley Head ASSI	D38080793	03/10/2012	*Microglossum olivaceum*	*Microglossum olivaceum agg.*	G	DAERA Habitat Survey Team
Ballygalley Head ASSI	D38100777	08/11/2012	*Microglossum olivaceum*	*Microglossum olivaceum agg.*	G	Kathryn Keys
Ballygalley Head ASSI	D381078	18/10/2019	*Microglossum olivaceum*	*Microglossum olivaceum agg.*	G	DAERA Habitat Survey Team
Ballygalley Head ASSI	D38150792	03/10/2012	*Trichoglossum hirsutum*	*Trichoglossum hirsutum*	G	Mark Wright
Ballygalley Head ASSI	D38100777	08/11/2012	*Trichoglossum hirsutum*	*Trichoglossum hirsutum*	G	Mark Wright
Ballygalley Head ASSI	D381078	18/10/2019	*Trichoglossum hirsutum*	*Trichoglossum hirsutum*	G	DAERA Habitat Survey Team

17. Appendix 7 – Fungi Records for 2023 Condition Monitoring Visit

Site	Species	CHEGD	Date	Grid Ref	Associated Species	Specimen
Ballygalley Head ASSI	Bolbitius titubans		30/10/2023	D38100780		
Ballygalley Head ASSI	Bovista nigrescens		30/10/2023	D38110791		
Ballygalley Head ASSI	Clavaria acuta	C	30/10/2023	D38110776		Herb. D. Mitchel
Ballygalley Head ASSI	Clavaria acuta	C	30/10/2023	D38090777		
Ballygalley Head ASSI	Clavaria fumosa	C	30/10/2023	D38140792		
Ballygalley Head ASSI	Clavaria fumosa	C	30/10/2023	D38090779		
Ballygalley Head ASSI	Clavulinopsis corniculata	C	30/10/2023	D38120776		
Ballygalley Head ASSI	Clavulinopsis corniculata	C	30/10/2023	D38090778		
Ballygalley Head ASSI	Clavulinopsis fusiformis	C	30/10/2023	D38120771		
Ballygalley Head ASSI	Clavulinopsis helvola	C	30/10/2023	D38110775		
Ballygalley Head ASSI	Clavulinopsis luteoalba	C	30/10/2023	D38090793		
Ballygalley Head ASSI	Clavulinopsis umbrinella	C	30/10/2023	D38080792		Herb. D. Mitchel
Ballygalley Head ASSI	Clitocybe fragrans		30/10/2023	D38160790		
Ballygalley Head ASSI	Clitocybe rivulosa		30/10/2023	D38140765		
Ballygalley Head ASSI	Cuphophyllus colemannianus	H	30/10/2023	D38100777		
Ballygalley Head ASSI	Cuphophyllus pratensis var. pratensis	H	30/10/2023	D38070789		
Ballygalley Head ASSI	Cuphophyllus pratensis var. pratensis	H	30/10/2023	D38170792		

Ballygalley Head ASSI	Cuphophyllus russocoriaceus	H	30/10/2023	D38100778		
Ballygalley Head ASSI	Cuphophyllus virgineus var. virgineus	H	30/10/2023	D38090777		
Ballygalley Head ASSI	Cuphophyllus virgineus var. virgineus	H	30/10/2023	D38120776		
Ballygalley Head ASSI	Cystoderma amianthinum		30/10/2023	D38160790		
Ballygalley Head ASSI	Dermoloma cuneifolium	D	30/10/2023	D38090793		Herb. D. Mitchel
Ballygalley Head ASSI	Dermoloma cf. cuneifolium	D	30/10/2023	D38110776		Herb. D. Mitchel
Ballygalley Head ASSI	Entoloma cf coracis	E	30/10/2023	D38150788		Herb. D. Mitchel. Work is still ongoing on this fnd
Ballygalley Head ASSI	Entoloma infula	E	30/10/2023	D38170789		
Ballygalley Head ASSI	Entoloma porphyrophaeum	E	30/10/2023	D38070789		
Ballygalley Head ASSI	Entoloma prunuloides	E	30/10/2023	D38110794		
Ballygalley Head ASSI	Entoloma sericeum	E	30/10/2023	D38090777		

Ballygalley Head ASSI	Geoglossum umbratile	G	30/10/2023	D38090793		
Ballygalley Head ASSI	Gliophorus irrigatus	H	30/10/2023	D38110794		
Ballygalley Head ASSI	Gliophorus laetus var. laetus	H	30/10/2023	D38110790		
Ballygalley Head ASSI	Gliophorus psittacinus	H	30/10/2023	D38130770		
Ballygalley Head ASSI	Gliophorus psittacinus	H	30/10/2023	D38080779		

Ballygalley Head ASSI	Gliophorus psittacinus	H	30/10/2023	D38160792		
Ballygalley Head ASSI	Gymnopus dryophilus		30/10/2023	D38120771		
Ballygalley Head ASSI	Gymnopus peronatus		30/10/2023	D38150766		
Ballygalley Head ASSI	Hygrocybe acutoconica	H	30/10/2023	D38120776		
Ballygalley Head ASSI	Hygrocybe ceracea	H	30/10/2023	D38140789		
Ballygalley Head ASSI	Hygrocybe chlorophana	H	30/10/2023	D38100778		
Ballygalley Head ASSI	Hygrocybe chlorophana	H	30/10/2023	D38090777		
Ballygalley Head ASSI	Hygrocybe citrinovirens	H	30/10/2023	D38110794		
Ballygalley Head ASSI	Hygrocybe coccinea	H	30/10/2023	D38120781		
Ballygalley Head ASSI	Hygrocybe coccinea	H	30/10/2023	D38150786		
Ballygalley Head ASSI	Hygrocybe coccinea	H	30/10/2023	D38180791		
Ballygalley Head ASSI	Hygrocybe conica	H	30/10/2023	D38150767		
Ballygalley Head ASSI	Hygrocybe insipida	H	30/10/2023	D38090777		
Ballygalley Head ASSI	Hygrocybe insipida	H	30/10/2023	D38150786		

Ballygalley Head ASSI	Hygrocybe insipida	H	30/10/2023	D38140763		
Ballygalley Head ASSI	Hygrocybe insipida	H	30/10/2023	D38160792		
Ballygalley Head ASSI	Hygrocybe lepida	H	30/10/2023	D38150785		
Ballygalley Head ASSI	Hygrocybe mucronella	H	30/10/2023	D38130768		
Ballygalley Head ASSI	Hygrocybe mucronella	H	30/10/2023	D38120776		
Ballygalley Head ASSI	Hygrocybe quieta	H	30/10/2023	D38100776		
Ballygalley Head ASSI	Hygrocybe quieta	H	30/10/2023	D38130770		
Ballygalley Head ASSI	Hygrocybe quieta	H	30/10/2023	D38090779		
Ballygalley Head ASSI	Melanoleuca polioleuca		30/10/2023	D38140765		
Ballygalley Head ASSI	Microglossum aff. nudipes	G	30/10/2023	D38110786		Herb. D. Mitchel
Ballygalley Head ASSI	Microglossum truncatum	G	30/10/2023	D38140788		Herb. D. Mitchel
Ballygalley Head ASSI	Mycena aetites		30/10/2023	D38150783		
Ballygalley Head ASSI	Mycena flavoalba		30/10/2023	D38140763		
Ballygalley Head ASSI	Mycena pura		30/10/2023	D38090778		
Ballygalley Head ASSI	Neohygrocybe nitrata	H	30/10/2023	D38150788		

Ballygalley Head ASSI	Panaeolus acuminatus		30/10/2023	D38090778		
Ballygalley Head ASSI	Panaeolus acuminatus		30/10/2023	D38100777		
Ballygalley Head ASSI	Paralepista flaccida		30/10/2023	D38130764		
Ballygalley Head ASSI	Phragmidium violaceum		30/10/2023	D38160790	Rubus fruticosus	
Ballygalley Head ASSI	Rhytisma acerinum		30/10/2023	D38120770	Acer pseudoplatanus	
Ballygalley Head ASSI	Stropharia pseudocyanea		30/10/2023	D38080781		
Ballygalley Head ASSI	Trichoglossum hirsutum	G	30/10/2023	D38130764		
Ballygalley Head ASSI	Trichoglossum hirsutum	G	30/10/2023	D38100779		Herb. D. Mitchel
Ballygalley Head ASSI	Volvariella gloiocephala		30/10/2023	D38070786		

18. Appendix 8 – CHEGD Summary

Site Name	Type	Current Name	SSSI Scoring Name	Irish Score	Pre-2023	2023
Ballygalley Head ASSI	C	*Clavaria acuta*	*Clavaria acuta*	0	Yes	Yes
Ballygalley Head ASSI	C	*Clavaria fumosa*	*Clavaria fumosa*	2	Yes	Yes
Ballygalley Head ASSI	C	*Clavulinopsis corniculata*	*Clavulinopsis corniculata*	0	Yes	Yes
Ballygalley Head ASSI	C	*Clavulinopsis fusiformis*	*Clavulinopsis fusiformis*	1	Yes	Yes
Ballygalley Head ASSI	C	*Clavulinopsis helvola*	*Clavulinopsis helvola*	0	Yes	Yes
Ballygalley Head ASSI	C	*Clavulinopsis luteoalba*	*Clavulinopsis luteoalba*	0	Yes	Yes
Ballygalley Head ASSI	C	*Clavulinopsis umbrinella*	*Clavulinopsis umbrinella*	2	Yes	Yes
Ballygalley Head ASSI	D	*Dermoloma cuneifolium*	*Dermoloma cuneifolium*	2	Yes	Yes
Ballygalley Head ASSI	D	*Dermoloma cf cuneifolium*	*Dermoloma cuneifolium*	2		Yes
Ballygalley Head ASSI	E	*Entoloma cf coracis*	*Entoloma coracis*	0		Yes
Ballygalley Head ASSI	E	*Entoloma griseocyaneum*	*Entoloma griseocyaneum*	0	Yes	
Ballygalley Head ASSI	E	*Entoloma infula*	*Entoloma infula*	0		Yes
Ballygalley Head ASSI	E	*Entoloma jubatum*	*Entoloma jubatum*	0	Yes	
Ballygalley Head ASSI	E	*Entoloma porphyrophaeum*	*Entoloma porphyrophaeum*	2		Yes
Ballygalley Head ASSI	E	*Entoloma prunuloides*	*Entoloma prunuloides*	2		Yes
Ballygalley Head ASSI	E	*Entoloma sericeum*	*Entoloma sericeum*	0		Yes
Ballygalley Head ASSI	E	*Entoloma xanthochroum*	*Entoloma xanthochroum*	0	Yes	
Ballygalley Head ASSI	G	*Geoglossum fallax*	*Geoglossum fallax*	2	Yes	
Ballygalley Head ASSI	G	*Geoglossum umbratile*	*Geoglossum umbratile*	2		Yes

Ballygalley Head ASSI	G	*Glutinoglossum glutinosum s. lat.*	*Glutinoglossum glutinosum s. lat.*	2	Yes	
Ballygalley Head ASSI	G	*Microglossum* aff. *nudipes*	*Microglossum olivaceum*	4		Yes
Ballygalley Head ASSI	G	*Microglossum truncatum*	*Microglossum olivaceum*	4		Yes
Ballygalley Head ASSI	G	*Trichoglossum hirsutum*	*Trichoglossum hirsutum*	2	Yes	Yes
Ballygalley Head ASSI	H	*Cuphophyllus colemannianus*	*Hygrocybe colemanniana*	2	Yes	Yes
Ballygalley Head ASSI	H	*Cuphophyllus pratensis var. pallidus*	*Hygrocybe pratensis var. pallida*	2	Yes	
Ballygalley Head ASSI	H	*Cuphophyllus pratensis var. pratensis*	*Hygrocybe pratensis var. pratensis*	1	Yes	Yes
Ballygalley Head ASSI	H	*Cuphophyllus russocoriaceus*	*Hygrocybe russocoriacea*	1	Yes	Yes
Ballygalley Head ASSI	H	*Cuphophyllus virgineus*	*Hygrocybe virginea*	1	Yes	Yes
Ballygalley Head ASSI	H	*Gliophorus irrigatus*	*Hygrocybe irrigata*	2		Yes
Ballygalley Head ASSI	H	*Gliophorus laetus*	*Hygrocybe laeta*	1		Yes
Ballygalley Head ASSI	H	*Gliophorus psittacinus*	*Hygrocybe psittacina var. psittacina*	1	Yes	Yes
Ballygalley Head ASSI	H	*Hygrocybe acutoconica var. acutoconica*	*Hygrocybe acutoconica var. acutoconica*	1		Yes
Ballygalley Head ASSI	H	*Hygrocybe calciphila*	*Hygrocybe calciphila*	2	Yes	
Ballygalley Head ASSI	H	*Hygrocybe ceracea*	*Hygrocybe ceracea*	1	Yes	Yes
Ballygalley Head ASSI	H	*Hygrocybe chlorophana*	*Hygrocybe chlorophana*	1	Yes	Yes
Ballygalley Head ASSI	H	*Hygrocybe citrinovirens*	*Hygrocybe citrinovirens*	2		Yes
Ballygalley Head ASSI	H	*Hygrocybe coccinea*	*Hygrocybe coccinea*	1	Yes	Yes
Ballygalley Head ASSI	H	*Hygrocybe conica*	*Hygrocybe conica*	1	Yes	Yes
Ballygalley Head ASSI	H	*Hygrocybe insipida*	*Hygrocybe insipida*	1	Yes	Yes
Ballygalley Head ASSI	H	*Hygrocybe lepida*	*Hygrocybe cantharellus*	1		Yes

Ballygalley Head ASSI	H	*Hygrocybe mucronella*	*Hygrocybe mucronella*	1		Yes
Ballygalley Head ASSI	H	*Hygrocybe punicea*	*Hygrocybe punicea*	4	Yes	
Ballygalley Head ASSI	H	*Hygrocybe quieta*	*Hygrocybe quieta*	2	Yes	Yes
Ballygalley Head ASSI	H	*Neohygrocybe nitrata*	*Hygrocybe nitrata*	4		Yes

19. Appendix 9 - Quadrat Details

Code	Grid Ref	Sward Height	Litter	Bare Ground	Herbs	Grasses	Bryos	Trees	Cirsium vulgare	Cirsium arvense	Rubus fruticosus	Senecio jacobaea	Urtica dioica	Anthriscus sylvestris	Plantago major	C	H	E	G	D
BH0101	D38090779	7	0	0	10	60	30	0	Absent	Absent	Absent	Absent	Absent	Absent	Absent	1	0	0	0	0
BH0102	D38090777	2	0	10	40	30	20	0	Absent	Absent	Absent	Absent	Absent	Absent	Absent	0	2	0	0	0
BH0103	D38100776	4	0	0	30	40	30	0	Absent	Absent	Absent	Absent	Absent	Absent	Absent	0	1	0	0	0
BH0104	D38130768	3	0	10	40	30	20	0	Absent	Absent	Absent	Absent	Absent	Absent	Absent	0	1	0	0	0
BH0105	D38140763	7	0	0	20	50	30	0	Absent	Absent	Absent	Absent	Absent	Absent	Absent	0	1	0	0	0
BH0106	D38130764	2	0	0	50	20	30	0	Absent	Absent	Absent	Absent	Absent	Absent	Absent	0	0	0	1	0
BH0107	D38130770	7	0	0	10	60	30	0	Absent	Absent	Absent	Absent	Absent	Absent	Absent	0	2	0	0	0
BH0108	D38120776	3	0	10	50	20	20	0	Absent	Absent	Absent	Absent	Absent	Absent	Absent	1	3	0	0	0
BH0109	D38150786	3	0	10	40	20	30	0	Absent	Absent	Absent	Absent	Absent	Absent	Absent	0	2	0	0	0
BH0110	D38180791	4	0	0	30	30	40	0	Absent	Absent	Absent	Absent	Absent	Absent	Absent	0	1	0	0	0
BH0111	D38140788	4	0	0	25	25	50	0	Absent	Absent	Absent	Absent	Absent	Absent	Absent	0	0	0	1	0
BH0112	D38160792	4	0	0	40	20	40	0	Absent	Absent	Absent	Absent	Absent	Absent	Absent	0	3	0	0	0

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