



CURRICULUM VITAE

ORLA DALY

B.Sc., M.Sc., MCIEEM

EDUCATION

- 2012 – Present University of Ulster, Coleraine Campus
Postgraduate Diploma in Geographic Information Systems (Distance Learning).
- 2007 – 2008 Trinity College Dublin
M.Sc in Biodiversity and Conservation (Distinction, 1st Class Honours),
Thesis: An investigation of the of the ground flora diversity of mixed forests
- 2001 – 2006 National University of Ireland, Galway
B.Sc.in Botany (1st Class Honours).
Thesis: An investigation of the effects of light and temperature on the
photosynthesis of the Fucoids (Brown Algae)

CAREER HISTORY

Botanical Environmental Conservation Consultants

Consultant Ecologist/Ecologist

2010 – Present

Contract Ecologist

2009

Duties mainly involve conducting botanical surveys in a wide range of habitats, involving the collation of relevé and environmental/structural data, habitat mapping and condition assessments. Office based activities include responsibility for GIS project support to a range of BEC projects. This includes quality control, digital mapping, map production, site selection and maintaining metadata records. Other tasks include tender preparation, report writing, data entry and conducting desk-based research. Projects contributed to include:

- *Surveys of possible Marsh Fritillary sites and habitat in Galway and Mayo* – Lead Ecologist/ GIS Coordinator. Field based duties involved identification and mapping of suitable Marsh Fritillary habitat, conducting Marsh Fritillary habitat condition assessments and larval web searches. Office based duties involve data/ GIS management and report writing.
- *National Survey of Upland Habitats (Pilot Phase and Phases 1-4)* – Field Ecologist/ GIS Coordinator/ Health and Safety Officer. Participated in the survey of 14 Upland SAC's throughout Ireland. Field based activities included vegetation mapping, relevé recording and condition assessments of Annex I habitats. Office based duties involved managing all GIS aspects of the project including initial SAC polygon digitisation using orthorectified aerial photographs, data entry and organisation, spatial database creation/management, preparation of metadata, as well as map production. An additional responsibility was the role as Project Health and Safety Officer.
- *Surveys of possible Marsh Fritillary sites and habitat in Cos Louth, Meath & Monaghan* – Lead Ecologist/ GIS Coordinator. Duties on this project involved responsibility for initial tender preparation, site selection, managing and coordinating field teams, mapping of suitable Marsh Fritillary habitat, conducting Marsh Fritillary habitat condition assessments, larval web searches, data management, GIS quality control and report writing.
- *Galway City Outer Bypass Marsh Fritillary Survey* – GIS Coordinator/ Field Ecologist. Duties on this project involved mapping of suitable Marsh Fritillary habitat, larval web searches, data management, GIS quality control and report writing.

- *Ancient and Long-established Woodlands of Co. Cork* – Lead Ecologist. Duties involved helping to secure Heritage Council funding, digital mapping, field season coordination, conducting fieldwork and report writing.
- *Upland National Conservation Assessment* – GIS Coordinator. Duties involved GIS data extraction, data management, GIS quality control, as well as preparing INSPIRE compliant metadata.
- *Woodland Monitoring Survey* – Field Ecologist. Duties involved conducting fieldwork in two of Irelands Annex I woodland types. Condition and conservation status were assessed by comparing measured indicators, such as presence of indicator species, amount of dead wood and numbers of tree saplings, with target threshold values.
- *Killarney National Park Habitat Map* – GIS Technician. GIS quality control and production of the final habitat map for the National Parks and Wildlife Service, as well as writing INSPIRE compliant metadata.
- *Irish Semi-natural Grassland Survey* – Field Ecologist. Duties involved vegetation mapping, relevé recording and conducting conservation assessments within semi-natural grassland habitats. Office based duties involved quality control of GIS datasets and final map production.
- *Marsh Fritillary and rare Bumblebee Survey* – Field Ecologist. Recording of butterflies and bumblebees within areas of Annex I grassland habitats.
- *Digitisation of the National Survey of Native Woodland sites* – GIS Technician.
- *Provisional Inventory of Ancient and Long-established Woodlands* – Lead Ecologist. This project involved the initialisation of a national inventory of ancient and long-established woodlands for the Republic of Ireland. Duties involved digital mapping, site selection, field surveys, data entry, developing a protocol for the identification of these habitats, desk-based research and report writing.

Irish Butterfly Monitoring Scheme Volunteer

April – Sept 2009

Conducted bi-weekly transects to identify and record butterflies for the National Biodiversity Data Centre.

Irish Peatland Conservation Council (IPCC) Volunteer

Nov – Dec 2008

Exercised practical conservation within the raised bog environment, activities conducted included drain blocking, tree clearance and hydrological assessments.

FORESTBIO Research Assistant, Trinity College Dublin

Jun – Aug 2008

FORESTBIO was a multidisciplinary project that investigated the biodiversity of Irish forests. It also identified biodiversity indicators which could be used to inform sustainable forestry management practices. Duties involved the collection of botanical and structural data within both conifer plantations and native woodlands. Other responsibilities included data entry and organisation.

Laboratory Demonstrator, National University of Ireland, Galway

Sept 2002 – March 2003

Transfer of botanical information and skills to undergraduate students, as well as exam invigilation.

SKILLS & ADDITIONAL INFORMATION

- Member of the Institute of Ecology and Environmental Management (MCIEEM)
- Extensive experience in ArcView GIS including modelling experience.
- Proficient in the production of high quality maps using ArcView GIS.
- Proficient in the use of the Microsoft Office Suite (Word, Excel and Powerpoint).
- Experienced in using packages for analysis of ecological data such as SPSS and PC-ORD. This extends to multivariate analysis of ecological communities using non-metric multidimensional scaling (NMS), hierarchical cluster analysis and indicator species analysis.
- High level of proficiency in accurate data entry and data analysis.
- Good knowledge of field survey techniques, plant and habitat identification.
- Experienced in using a variety of field and laboratory equipment.
- Experienced in report and scientific writing.
- Committed to Continued Professional Development (CPD).

- Works well as a team member in the field and in the academic environment, as well as proving a strong ability to work independently.
- Up-to date Occupational First Aid qualification.
- Safe pass qualification.
- Experienced hill walker. Successfully completed the Mountain Skills Course 1 & 2.
- Full clean driving licence.

SELECTED PUBLICATIONS & REPORTS

- Daly, O.H.** & Barron, S.J. (2014) Surveys of possible Marsh Fritillary sites and habitat in Galway and Mayo, Interim report. Unpublished Report to National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht, Dublin, Ireland.
- Daly, O.H.** & Barron, S.J. (2014) Surveys of possible Marsh Fritillary sites and habitat in Clare (outside the Burren) and Kerry, Interim report. Unpublished Report to National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht, Dublin, Ireland.
- Perrin, P.M., Roche, J.R., Barron, S.J., **Daly, O.H.**, Hodd, R.L. & Devaney, F.M. (2014). National Survey of Upland Habitats (Phase 4, 2013-2014), Site Report No. 16: Caha Mountains cSAC (000093), Cos. Cork and Kerry. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht, Dublin, Ireland.
- Perrin, P.M., Roche, J.R., Barron, S.J., **Daly, O.H.**, Hodd, R.L. & Devaney, F.M. (2014). National Survey of Upland Habitats (Phase 4, 2013-2014), Draft Site Report No. 15: Slieve Mish Mountains cSAC (002185), Co. Kerry. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht, Dublin, Ireland.
- Daly, O.H.** & Barron, S. (2014) Surveys of possible Marsh Fritillary sites and habitat in Cos Louth, Meath & Monaghan. Unpublished Report to National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht, Dublin, Ireland.
- Daly, O.H.** (2013) Ireland's Ancient Woodlands. *Woodland Autumn 2013*, pp 19-23.
- Barron, S.J., **Daly, O.H.**, Seale, E.G. & Brophy, J.T. (2013) Galway City Outer Bypass Marsh Fritillary Survey Report. Unpublished Report by BEC Consultants Ltd.
- Perrin, P.M., Roche, J.R., Barron, S.J., **Daly, O.H.**, Hodd, R.L., Muldoon, C.S. & Leyden, K.J. (2013). National Survey of Upland Habitats (Phase 3, 2012-2013), Draft Site Report No. 11: Ben Bulbin, Gleniff and Glenade Complex cSAC (000623), Co. Sligo. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht, Dublin, Ireland.
- Perrin, P.M., Roche, J.R., Barron, S.J., **Daly, O.H.**, Hodd, R.L., Muldoon, C.S. & Leyden, K.J. (2013). National Survey of Upland Habitats (Phase 3, 2012-2013), Draft Site Report No. 12: Arroo Mountain cSAC (001403), Co. Leitrim. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht, Dublin, Ireland.
- Perrin, P.M., Roche, J.R., **Daly, O.H.** & Douglas, C. (2011) The National Survey of Upland Habitats. In: O hUallachain, D. & Finn, J. (eds.) *Teagasc Biodiversity Conference Proceedings. Conserving farmland Biodiversity: Lessons Learned & Future Prospects*. 25-26 May 2011. pp. 88-89. Teagasc, Carlow.
- Perrin, P.M. & **Daly, O.H.** (2010) *A provisional inventory of ancient and long-established woodland in Ireland*. Irish Wildlife Manuals, No. 46. National Parks and Wildlife Service, Department of the Environment, Heritage and Local Government, Dublin, Ireland.
- Daly, O.** & Perrin, P. (2010) *The ancient and long-established woodlands of County Cork*. Unpublished report submitted to the Heritage Council, Church Lane, Kilkenny, Ireland.