

List of Publications

Peer-reviewed Publications

Mc Conigley, C., **Lally, H.**, Little, D., O'Dea, P., & Kelly-Quinn, M. 2017. The influence of aquatic buffer zone vegetation on river macroinvertebrate communities. *Forest Ecology and Management* 400: 621-630.

Brennan, R.B., Scott, J.T., Sharpley, A.N., **Lally, H.T.**, Jarvie, H.P., Bowes, M.J., Haggard, B.E., & Gbur E. 2017. Linking soil erosion to instream dissolved phosphorus cycling and periphyton growth. *Journal of the American Water Resources Association (JAWRA)*, doi: <https://doi.org/10.1111/1752-1688.12534>

Conroy, E., Turner, J.N., Rymaszewicz, A., Bruen, M., O'Sullivan, J.J., Lawler, D., **Lally, H.**, & Kelly-Quinn, M. 2016. Evaluating the relationship between biotic and sediment metrics using mesocosms and field studies. *Science of the Total Environment*. doi.org/10.1016/j.scitotenv.2016.06.168.

Conroy, E., Turner, J.N., Rymaszewicz, A., O'Sullivan, J.J., Bruen, M., Lawler, D., **Lally, H.** & Kelly-Quinn, M. 2016. The impact of cattle access on ecological water quality in streams: Examples from agricultural catchments within Ireland. *Science of the Total Environment* 547: 17–29

Mc Conigley, C., **Lally, H.**, O'Callaghan, M., O'Dea, P., Little, D. & Kelly-Quinn, M. 2015. The vegetation communities of unmanaged aquatic buffer zones within conifer plantations in Ireland. *Forest Ecology and Management* 353: 59-66.

Lally, H., Gormally, M., Higgins, T. & Colleran, E. 2012. Evaluating different wetland creation approaches for Irish cutaway peatlands using water chemistry analysis. *Wetlands* 32:129-136.

Lally, H., Gormally, M., Higgins, T., Gammell, M. & Colleran, E. 2012. Phytoplankton assemblages in four wetlands created on cutaway peatlands in Ireland. *Biology and Environment: Proceedings of the Royal Irish Academy* 112B:1-10.

Peer-reviewed Conference Publications

Conroy, E., **Lally, H.**, & Kelly-Quinn, M. 2013. *Investigation of a sediment-sensitive macroinvertebrate metric along a sediment gradient*. 32nd International Society of Limnology Congress, Budapest, Hungary 4-9th August 2013. *Inland Waters* Vol: (no date)

Lally, H., Higgins, T., Colleran, E. & Gormally, M. 2009. A new Irish wilderness: Trophic status and conservation potential of cutaway peatland lakes in Ireland. *Verh. Internat. Verein. Limnol.* 30. part 5, pp 722-724.

Lally, H., Higgins, T., Colleran, E. & Gormally, M. 2008. Lakes: A new concept for wildlife conservation on Irish Cutaway Peatlands. In: Farrell, C. and Feehan, J. (ed). *After Wise Use – The Future of Peatlands*. International Peat Society, Jyväskylä, Finland.

Thesis

Lally, H.T. 2010. *Wetlands created on Irish cutaway peatlands using three construction approaches with specific references to water chemistry, phytoplankton communities and habitat recolonisation*. Ph.D. dissertation, National University of Ireland, Galway.

Reports

Lally, H. & Baars, J.R. 2013. *A Guide for Hosts, Supervisors and MSc Students participating in Research Project Placement 2013*. School of Biology and Environmental Science, University College Dublin, Belfield, Dublin 4.

Lally, H. & Kelly-Quinn, M. 2012. *Review of the MSc Applied Environmental Science Research Project Placements (Draft version)*. School of Biology and Environmental Science, University College Dublin, Belfield, Dublin 4.

Abstracts

McConigley, C., **Lally, H.** & Kelly-Quinn, M. 2016 Dietary preferences of the Plecopteran species *Leuctra inermis* for pollen of different tree species. Annual Meeting of Irish Freshwater Biologist (4th Mar 2016)(Oral)

McConigley, C., **Lally, H.** & Kelly-Quinn, M. 2016. Comparison of the contribution of carbon from aquatic buffer zones of alternative vegetation types to the diet of selected macroinvertebrate feeding groups. 26th Irish Environmental Researchers' Colloquium (ENVIRON), University of Limerick (UL), Limerick City. (22nd-24th Mar 2016)(Oral).

McConigley, C., **Lally, H.** & Kelly-Quinn, M., 2014. Characteristics of the vegetation community in riparian zones of headwater streams. Annual Meeting of Irish Freshwater Biologist. (9th Mar 2014)(Oral)

McConigley, C., **Lally, H.** & Kelly-Quinn, M. 2013. *Is the planting of conifer forests to the stream edge affecting upstream macroinvertebrate communities?* 32nd Congress of the International Society of Limnology, Budapest, Hungary. (4th - 9th Aug 2013)(Oral)

Conroy, E., **Lally, H.**, & Kelly-Quinn, M. 2013. *Investigation of a sediment-sensitive macroinvertebrate metric along a sediment gradient*. 32nd Congress of the International Society of Limnology, Budapest, Hungary. (4th - 9th Aug 2013)(Oral)

McConigley, C., **Lally, H.** & Kelly-Quinn, M. 2013. *Assessing species composition of aquatic buffer zones (ABZ's) within Irish forestry plantations* 8th Symposium for European Freshwater Sciences, Münster, Germany. (1st - 5th Jul 2013)(Oral)

McConigley, C., **Lally, H.**, Little, D., O'Dea, P, Kelly-Quinn, M. 2013. *Vegetative composition of aquatic buffer zones in Irish forestry*. 23rd Irish Environmental Researchers' Colloquium (ENVIRON), National University of Ireland (NUI), Galway, Galway City. (30th Jan - 1st Feb 2013). (Oral)

McConigley, C., **Lally, H.**, Little, D., O'Dea, P, Kelly-Quinn, M. 2012. *Vegetation Composition of Aquatic Buffer Zones in Commercial Forestry Plantations in Ireland*. 2nd International Conference on Biodiversity in Forest Ecosystems and Landscapes. University College Cork, Cork City. (28th - 31st Aug 2012). (Poster)

McConigley, C., **Lally, H.**, Little, D., O'Dea, P, Kelly-Quinn, M. 2012. *Biodiversity and conservation potential of aquatic buffer zones in Irish forestry*. 22nd Irish Environmental Researchers' Colloquium (ENVIRON 2012), University College Dublin (UCD), Dublin City. (7th - 9th Mar 2012). (Oral)

Lally, H., Higgins, T., Gormally, M. & Colleran, E. 2008. *Phytoplankton as bioindicators of water quality in cutaway peatland lakes in Co. Offaly*. 11th International Applied Phycology Conference, National University of Ireland, Galway, Galway City. (21st - 27th Jun 2008). (Poster)

Lally H., Higgins, T., Colleran, E. & Gormally, M. 2008. *Lakes: A new concept for wildlife conservation on Irish Cutaway Peatlands*. 13th International Peat Congress, Tullamore, Ireland. (9th - 13th Jun 2008). (Oral)

Lally, H. & Gormally, M. 2008. *Phytoplankton composition in four artificial cutaway peatland lakes in Co. Offaly*. 3rd Postgraduate Ecology Forum, Trinity College Dublin. (10th - 12th Mar 2008). (Poster)

Lally, H., Higgins, T., Colleran, E. & Gormally, M. 2008. *Lake Creation: A major post-harvesting land use option for wildlife conservation on used industrial Irish peatlands*. 18th Irish Environmental Researchers Colloquium, Dundalk Institute of Technology. (1st - 3rd Feb 2008). (Oral)

Lally, H., Higgins, T., Colleran, E. & Gormally, M. 2007. *A new Irish wilderness: Trophic status and conservation potential of cutaway peatland lakes in Ireland*. The 30th Congress of the International Association of Theoretical and Applied Limnology, Montreal, Canada. (12th - 18th Aug 2007). (Oral)

Lally, H. & Colleran, E. 2007 *Can we build lakes? Investigating the trophic status of Irish cutaway peatlands lakes*. 17th Irish Environmental Researchers Colloquium, Carlow Institute of Technology. (26th - 28th Jan 2007). (Oral)

Society Newsletters

Lally, H. 2008. Lake Creation: A major post harvesting land use option for wildlife conservation on used industrial Irish peatlands. In: *Enviro News* pp. 4

Higgins, T. & **Lally, H.** 2006. Returning to the wild: Lake Creation on cutaway peatlands in Ireland. In: *Peatlands International* 2/2006 pp. 35-37.

Higgins, T. & **Lally, H.** 2006. Creating lakes on industrial cutaway peatlands in Ireland. In: *SIL News* (Newsletter of the International Society of Limnology) Vol. 48 2006 pp. 1-4.