Appendix 1 – Bibliography Geological References for County Clare

This reference list includes all papers, books, articles and some unpublished reports etc relating to the geology and geomorphology of Clare that could be traced. It includes any papers cited in the individual site reports. It excludes caving literature which is listed separately.

ANDREW, C.J. 1986. The Geological Setting and style of mineralisation at Ballyvergin, Co. Clare. *In*: ANDREW, C.J., CROWE, R.W.A., FINLAY, S., PENNELL, W.M. and PYNE, J.F. (eds.), *Geology and Genesis of Mineral Deposits in Ireland*. Irish Association for Economic Geology, Dublin, 475-480.

APJOHN, J. 1841. On a new lead ore, from Kilbricken mine, County of Clare. *Proceedings of the Royal Irish Academy*, **1**, 469-73.

ARCHER, J. 1969. *Geology of the North Slieve Bernagh Mountains, County Clare.* Unpublished B.Sc. thesis, University of Dublin.

ARCHER, J.B., SLEEMAN, A.G. and SMITH, D.C. 1996. Geology of Tipperary and adjoining parts of Laois, Kilkenny, Offaly, Clare and Limerick, to accompany the Bedrock Geology 1:100,000 Scale Map Series, Sheet 18, Tipperary with contributions by K. Claringbold, G. Stanley (Mineral Resources) and G. Wright (Groundwater Resources). Geological Survey of Ireland.

AUSTIN, R.L., CONIL, R. and HUSRI, S. 1970. Correlation and Age of the Dinantian rocks, north and south of the Shannon, Ireland. *Congres et Colloques de L'Universite de Liege*, **55**, 179-196.

AUSTIN, R.L. and HUSRI, S. 1974. Dinantian conodont faunas of Co. Clare, Co. Limerick and Co. Leitrim. In: BOUCKAERT, J. and STREEL, M. (eds.), *International Symposium on Belgian Micropalaeontological Limits from Emsian to Visean, Namur.* Geological Survey of Belgium.

BAILY, W.H. 1859. Notice of Upper Silurian fossils from Ballycar South, one and a half miles west of the village of Trough. *Journal of the Geological Society of Dublin*, **8**, 109-110.

BOHNSACK, U. and CARRUCAN, P. 1999. An Assessment of Farming Prescriptions Under the Rural Environment Protection Scheme in the Uplands of the Burren Karstic Region, Co. Clare. *The Heritage Council of Ireland Series*.

BOLAND, M. 1984. *Landsat statistical analysis of the Quin Shear zone, County Clare.* Unpublished B.Sc. thesis, University of Dublin.

BOWEN, R and WILLIAMS, P. W. 1973. Geohydrologic Study of the Gort Lowland and Adjacent Areas of Western Ireland using Environmental Isotopes. *Water Resources Research*, **9**(3), 753-758.

BRÜCK, P.M. 1985. *The Geology of the country between Slieve Aughty, the Silvermines-Devilsbit Mountains and Slieve Bloom, Central Ireland.* Department of Geology, University College Cork, Occassional Report Series, **85**(12), 60pp.

BULL, P. and LAVERTY, M. 1982. Observations On Phytokarst. *Zeitschrift fur Geomorphologie*, **26**(4), 437 - 457.

BYRNE, R.A. and REYNOLDS, J.D. 1982. Preliminary notes on a Doline in Lough Gealain, the Burren, County Clare. *Irish Naturalists' Journal*, **20**(9), 357-404.

CABOT, D. 1999. *Ireland, A Natural History*. The New Naturalist Library Harper Collins, London.

CAIRNS, R.P.S. 1999. Burren National Park Entry point at Gortlecka. Environmental Impact Statement. 3 vols. Cork.

CHARLESWORTH, J. K. 1928. The Glacial Retreat from Central and Southern Ireland. *Quarterly Journal of the Geological Society of London*, **84**(2) No 334, 293-344.

CHARLESWORTH, J. K. 1953. *The Geology of Ireland an introduction.* Edinburgh.

CHARLESWORTH, J. K. 1963. Historical Geology of Ireland. Edinburgh.

CLARINGBOLD, K., FLEGG, A., MAGEE, R. and VONHOF, J. 1994. *The Directory of active quarries, pits and mines in Ireland*. Geological Survey of Ireland, Report Series **94/4**.

CLARKE, M.J. 1966. Orionastraea in Ireland. Irish Naturalists' Journal 15, 177-178.

CLAYTON, G., JOHNSTON, I.S., SEVASTOPULO, G.D. and SMITH, D.G. 1980. The Micropalaeontology of a Courceyan (Carboniferous) borehole section from Ballyvergin, Co. Clare, Ireland. *Journal of Earth Sciences Royal Dublin Society*, **3**, 81-100.

COCKS, L.R.M. and RONG, JIA-YU. 1988. A review of the Late Ordovician *Foliomena* Brachiopod Fauna with new data from China, Wales and Poland. *Palaeontology*, **31**(1), 53-67.

COLLER, D.W. 1984. Variscan structures in the Upper Palaeozoic rocks of west-central Ireland. *In*: HUTTON, D.H.W. and SANDERSON, D.J. (eds.), *Variscan Tectonics of the North Atlantic Region*. Special Publication of the Geological Society of London, **14**.

COLLINSON, J.D., MARTINSEN, O., BAKKEN, B. and KLOSTER, A. 1991. Early fill of the Western Irish Namurian basin: A complex relationship between turbidites and deltas. *Basin Research*, **3**, 223-242.

CONIL, R. and LEES, A. 1974. Les Transgressions Viseenes dans L'Ouest de L'Irlande. *Annales de la Societe geologique de Belgique*, **97**, 463-484.

COWMAN, D. and MORRIS, J.H. 1998. *The Mines of East Clare. Field Excursion Guide, October 11th 1998.* Mining Heritage Society of Ireland.

COXON, C. 1987. The Spatial Distribution of Turloughs. *Irish Geography*, **20**, 11-23.

COXON, C. 1987. An Examination of the Characteristics of Turloughs using multivariate statistical techniques. *Irish Geography*, **20**, 24-42.

COXON, C. 1994. Vulnerability to pollution of an Irish lowland karst aquifer, implications for the management of groundwater resourses: Lower Fergus, Drumcliff and Pouladower springs. *Transactions of the British Cave Research Association*, **21**(1), 7.

COXON, C. 1995. Groundwater Vulnerability and Protection Issues in the Lower Fergus Catchment, Co. Clare. *In*: DREW, D., DOAK, M., DALY, D., THORN, R., WARREN, W. and COXON, C. *National Report for Ireland. Hydrogeological Aspects of Groundwater Protection in Karstic Areas*. European Union COST Action 65 Final Report No. **EUR 16547 EN**, 162-169.

COXON, C. and DREW, D.P. 1998. Interaction of surface water and groundwater in Irish karstic areas: implications for water resource management, pp 161 – 168. *In*: BRAHANA (*ed.*) Gambling with Groundwater; Physical, Chemical & Biological aspects of Aquifer-Stream relations. *Proceedings of the Conference of the International Association of Hydrologists, Las Vegas* 753pp.

COXON, C. and DREW, D.P. 2000. Interdependence of groundwater and surface water in lowland karst areas of western Ireland: management issues arising from water and contaminant transfers. *In*: ROBINS, N.S. and MISSTEAR, B.D.R. (*eds.*) *Groundwater in the Celtic Regions: Studies in Hard Rock and Quaternary Hydrogeology*, Geological Society Special Publications **182**, 81 – 88.

CREIGHTON, J.R. 1988. Exploration Focus – Ballyvergin. *Geological Survey of Ireland Pamphlet Series*, **88**(2), 1-4.

CROKER, P.F. 1995. The Clare Basin: a geological and geophysical outline. *In*: CROKER, P.F. and SHANNON, P.M. (eds.), *The Petroleum Geology of Ireland's Offshore Basins*. Geological Society of London Special Publication, **93**, 327-340.

CRONIN, P. 2001. Mid 20th Century mines in the Doolin are, Co. Clare, Ireland. *Proceedings of the University of Bristol Speleological Society*, **22**(2), 225-233.

CROOT, D.G. and SIMS, P.C. 1996. Early stages of till genesis: an example from Fanore, County Clare, Ireland. *Boreas*, **25**, 37-46.

DALY, D. 1991. A Report on the Flooding in the Gort-Ardrahan Area. Unpublished report, 9pp.

DALY, D., DREW, D.P., DEAKIN, J., PARKES, M. and WRIGHT, J. 2001. *The Karst of Ireland; Limestone Landscapes, Caves and Groundwater Drainage Systems*. Karst Working Group Dublin, 37pp.

DAVIES, F. 1853. Legends of the Co. Clare. *Notes and Queries*, **8**(210), 436.

DAVIES, F. 1854. Legends of the Co. Clare. *Notes and Queries*, **9**(222), 73.

DAVIES, S.J. and ELLIOTT, T. 1996. Spectral gamma ray characterisation of high resolution sequence stratigraphy: examples from Upper Carboniferous fluvio-deltaic systems, County Clare. *In*: HOWELL, J.A. and AITKEN, J.F. (eds.), *High resolution sequence stratigraphy: innovations and applications*. Geological Society of London Special Publication, **104**, 25-35.

DEAKIN, J. and DALY, D. 2000. *County Clare Groundwater Protection Scheme. Main Report to Clare County Council*. Geological Survey of Ireland, Groundwater Section Report.

DELOGNE M. 1985. Contribution à l'étude sédimentologique des faciès waulsortiens de Moniat et de Furfooz au Tournaisien supérieur. Mém. de licence (unpublished), Univ. Cath. Louvai.

DOUGLAS, J. 1909. The Carboniferous Limestone of Co. Clare. *Quarterly Journal of the Geological Society of London*, **65**, 538-586.

DOWD, M. 2001. Archaeology of the subterranean world. Archaeology Ireland, 15(1), 24-29.

DOYLE, E., HINCH, C. and COX, W.R. 2001. *Directory of Active Quarries, Pits and Mines in Ireland (Third Edition)*. Geological Survey of Ireland.

- DREW, D.P. 1975. Landforms of the Burren, Co. Clare. Geographical Viewpoint, 4, 21-38.
- DREW, D.P. 1979. Field Excursion Notes Burren Co. Clare, Ireland. Iah Karst Commission.
- DREW, D.P. 1982. Environmental archaeology and karstic terrains: The example of the Burren Co. Clare in Ireland. *In*: BELL, M. and LIMBREY, S. (eds.), *Archaeological aspects of woodland ecology*. British Archaeological Report (International Series), **146**, 115-127.
- DREW, D.P. 1983. Accelerated soil erosion in a Karst area: The Burren W. Ireland. *Journal of Hydrology*, **61**, 113-124.
- DREW, D.P. 1985. Field Excursion notes on the Burren Karst and the Limestone Lowlands of Co. Galway. *In: Impact Of Agriculture On Groundwater In Ireland*, 159-166.
- DREW, D.P. 1991. Karstification In Ireland During The Holocene. Proc. Iqa Symposium.
- DREW, D.P. 1992. Hydrogeology of Karstic Terrains of Ireland. *In: Hydrogeology of Selected Karst Regions*. IAH Publication, **13**, 11-24.
- DREW, D.P. 1993. Caves Of The Burren. *In*: WARREN, W. and O'CONNELL, M. (eds.) *The Burren*. Irish Association for Quaternary Studies Field Guide No. **15**.
- DREW, D.P. 1997. Regional case studies: The Burren, County Clare. In: AALEN, F.H.A., WHELAN, K, and STOUT, M. *Atlas of the Irish Rural Landscape*. Cork University Press, 287-298.
- DREW, D.P. 2001. *Classic Landforms of the Burren Karst*. Geographical Association in conjunction with the British Geomorphological Research Group.
- DREW, D.P. and COXON, C.E. 1988. The Effects of Land Drainage on Groundwater Resources in Karstic Areas of Ireland. Karst Hydrogeology and Karst Environment Protection 10-15th October 1988, Guilin, China. *Proceedings of the 21st Congress of the International Association of Hydrologists* 204-209.
- DREW, D.P. and DALY, D. 1993. Groundwater and Karstification in Mid-Galway, South Mayo and North Clare. *Geological Survey Of Ireland Report Series*, **RS93/3** (Groundwater), 86PP.
- DREW, D.P. and JONES, G.Ll. 2000. Post-Carboniferous pre-Quaternary karstification in Ireland. *Proceedings of the Geologists' Association*, **111**, 345-353.
- DREW, D.P. and MAGEE, E. 1995. Environmental implications of land reclamation in the Burren, County Clare. *Irish Geography*, **27**, 81-96.
- DREW, D.P. and PLUNKETT, E. 1982. *Guide and field notes for the Burren*. Irish Comm lhp, 157-168.
- DUNFORD, B. 2002. *Farming and the Burren*. Teagasc, Agriculture and Food Development Authority, Dublin.
- DUNNE, L. and FEEHAN, J. 2003. *Ireland's Mushrrom Stones. Relics of a Vanished Lakeland*. Environmental Resource Management, University College Dublin.
- DWYER, P. 1876. A Handbook to Lisdoonvarna and its Vicinity. Hodges, Figgis & Co. Dublin.

- ECOCK, K. 1981. *Cave Patterns And Hydrogeology In The Burren Co. Clare*. Unpublished B.A. Dissertation, Department of Geography, TCD.
- EDWARDS, K.J. and WARREN, W.P. (*eds.*) 1985. *The Quaternary History of Ireland*. Academic press.
- ELLIOTT, T. and PULHAM, A.J. 1990. Incised valley fills and the sequence stratigraphy of Upper Carboniferous shelf-margin deltaic cyclothems. *American Association of Petroleum Geologists Bulletin*, **75**, 874.
- ELLIOTT, T., PULHAM, A.J. and DAVIES, S.J. 2000. Sedimentology, sequence stratigraphy and spectral gamma ray expression of turbidite, slope and deltaic depositional systems in a Upper Carboniferous basin-fill succession, western Ireland. 1-40 *In* GRAHAM, J.R. and RYAN, A. 2000. IAS Dublin 2000 Field Trip Guidebook.
- EMO, G.T. 1978. The Lower Palaeozoic and Old Red Sandstone Rocks of Slieve Aughty, Counties Clare and Galway. Unpublished Ph.D. Thesis, University of Dublin.
- EMO, G.T. and SMITH, D.G. 1978. Palynological evidence for the age of the Lower Palaeozoic rocks of Slieve Aughty, Counties Clare and Galway. *Proceedings of the Royal Irish Academy*, **78**, *Section B*, 281-292.
- FARRINGTON, A. 1965. The last glaciation of the Burren. *Proceedings of the Royal Irish Academy*, **64B**, 33-39.
- FEEHAN, J. and O'DONOVAN, G. 1993. *The Magic of Coole*. Oifig na nOibreacha Poibli. Dublin.
- FINCH, T.F. 1966. Slieve Elva, Co. Clare a nunatak? Irish Naturalists' Journal, 15, 133-136.
- FITZGERALD, E., FEELY, M., JOHNSTON, J.D., CLAYTON, G., FITZGERALD, L.J. and SEVASTOPULO, G.D. 1994. The Variscan thermal history of west Clare, Ireland. *Geological Magazine*, **131**(4), 545-558.
- FLYNN, R. 1988. *An investigation into the origin of a Silurian `bentonite' from the Cratloe Hills, Co. Clare.* Unpublished B.Sc. thesis, University of Dublin.
- FLEGG, A.M. 1982. *The Calcite occurrences of Clare, South Galway and Limerick*. Geological Survey of Ireland. Unpublished Report.
- FOOT, F.J. 1860. Explanations to Accompany Sheets 131, 132 of the maps of the Geological Surney of Ireland, illustrating parts of the counties of Clare and Galway. Memoirs of the Geological Survey of Ireland.
- FOOT, F.J. and BAILY, W.H. 1860. Explanations to accompany Sheets 140 and 141 of the Maps of the Geological Survey of Ireland illustrating part of the Counties of Clare and Kerry, with Palaeontological Notes by W.H.Baily. Memoirs of the Geological Survey of Ireland.
- FOOT, F.J. 1863. Explanations to Accompany Sheets 114, 122, and 123 of the maps of the Geological Surney of Ireland, illustrating parts of the counties of Clare and Galway. Memoirs of the Geological Survey of Ireland.
- FROST, J. 1893. The History & Topography Of Co. Clare. 8, 33. NO JOURNAL
- GALLAGHER, S.J. 1992. *Lithostratigraphy, biostratigraphy and palaeoecology of upper Dinantian platform carbonates in parts of southern and western Ireland*. Unpublished Ph.D. thesis, National University of Ireland, University College Dublin.

GALLAGHER, S.J. 1996. The stratigraphy and cyclicity of the late Dinantian platform carbonates in parts of southern and western Ireland. *In*: STROGEN, P., SOMERVILLE, I.D. and JONES, G.LL. (eds.), *Recent Advances in Lower Carboniferous Geology*. Geological Society Special Publications, **107**, 239-251.

GEOGHEGAN, M., SLEVIN, A. and MAX, M.D. 1975. Transit sonar reconnaissance of the southern approaches to Galway Bay. Geological Survey of Ireland Report Series, **RS 75/4**, 1-6.

GIESECKE, C.L. 1832. A Descriptive Catalogue of a New Collection of Minerals in the Museum of the Royal Dublin Society. To Which is Added an Irish Mineralogy. Dublin.

GILL, W.D. 1979. Syndepositional sliding and slumping in the West Clare Namurian Basin, Ireland. *Geological Survey of Ireland Special Paper no.* **4**, 31 pp.

GILL, W.D. and KUENEN, P.H. 1958. Sand Volcanoes on slumps in the Carboniferous of County Clare, Ireland. *Journal of the Geological Society of London*, **133**, 441-460.

GILLESPIE, P.A., WALSH, J.J., WATTERSON, J., BONSON, C.G. and MANZOCCHI, T. 2001. Scaling relationships of joint and vein arrays from The Burren, Co. Clare, Ireland. *Journal of Structural Geology*, **23**, 183-201.

GOLDIE, H.S. 1993. The legal protection of Limestone Pavements in Great Britain. *Environmental Geology*, **21**, 160-166.

GOODHUE, R.J.D. 1996. *A palynofacies, geochemical and maturation investigation of the Namurian rocks of County Clare*. Unpublished Ph.D. thesis, University of Dublin.

GRAHAM, J.R. and RYAN, A. 2000. IAS Dublin 2000 Field Trip Guidebook.

GREG, R.P. & LETTSOM, W.G. 1858. *Manual of the mineralogy of Great Britain and Ireland.* John van Voorst, London.

GRENNAN, E.F. 1986. Geology and genesis of the Courtbrown Pb-Zn-Ag deposit. *In*: ANDREW, C.J., CROWE, R.W.A., FINLAY, S., PENNELL, W.M. and PYNE, J.F. (eds.), *Geology and genesis of mineral deposits in Ireland*. Irish Association for Economic Geology, Dublin.

GRIERSON, P.H. 1902. Some land and freshwater shells from Co. Clare. *Irish Naturalist*, **11**, 139-140.

GUNN, J. 1981. Hydrological Processes In Karst Depressions. Zeit. Geom., 25(3), 313-331.

HALLOF, P.G., SCHULTZ, R.W. and BELL, R.A. 1962. Induced Polarization and geological investigations of the Ballyvergin Copper deposit, Co. Clare, Ireland. *Trans. Soc. Min. Eng.*, (Sept. 1962), 312-318.

HAMPSON, G.J., ELLIOTT, T. and DAVIES, S.J. 1997. The application of sequence stratigraphy to Upper Carboniferous fluvio-deltaic strata of the onshore UK and Ireland: implications for the southern North Sea. *Journal of the Geological Society of London*, **154**, 719-733.

HARPER, D.A.T. 1980. The brachiopod *Foliomena* fauna in the Upper Ordovician Ballyvorgal Group of Slieve Bernagh, County Clare. *Journal of Earth Sciences Royal Dublin Society* **2**, 189-192.

HARPER, J.C. 1939. The Lower Palaeozoic rocks of Slieve Bernagh and the Cratloe Hills, Co. Clare. *Proceedings of the Geologists' Association*, **50**, 302-304.

HARPER, J.C. 1942. *Thomondia*, a new trilobite genus from Co. Clare. *Proceedings of the Royal Irish Academy* **B47**, 275-278.

HODSON, F. 1954. The beds above the Carboniferous Limestone in North-West County Clare, Ireland. *Quarterly Journal of the Geological Society of London*, **109**, 259-283.

HODSON, F. and LEWARNE, G.C. 1961. A Mid-Carboniferous (Namurian) Basin in parts of the Counties of Limerick and Clare, Ireland. *Quaterly Journal of the Geological Society of London*, **117**(3), 307-332.

HOLLAND, C.H. (ed.). 2001. *The Geology of Ireland*. Dunedin Academic Press, Edinburgh.

HOLLAND, C.H., FEEHAN, J. and WILLIAMS, E.M. 1988. The Wenlock Rocks of the Cratloe Hills, County Clare. *Irish Journal of Earth Sciences* **9**, 61-69.

HUDSON, R.G.S. 1929. On the Lower Carboniferous corals - *Orionastraea* and its distribution in the north of England. *Proc. Leeds phil. lit. Soc.* **1**, 440-457.

HUDSON, R.G.S. and SEVASTOPULO, G.D. 1966. A borehole section through the Lower Tournaisian and Upper Old Red Sandstone, Ballyvergin, County Clare. *Scientific Proceedings of the Royal Dublin Society*, **2** *Series A*, 287-296

IRISH TOURIST BOARD. 1975. The Burren. London I.T.B.

JONES, G.LL. and SOMERVILLE, I.D. 1996. Irish Dinantian biostratigraphy: practical applications. *In*: STROGEN, P., SOMERVILLE, I.D. and JONES, G.LL. (eds.), *Recent Advances in Lower Carboniferous Geology*. Geological Society Special Publications, **107**, 371-385.

JONES, R.J. 1965. Aspects of the Biological Weathering of Limestone Pavement. *Proceedings of the Geologists Association*, **76**(4), 421-434.

JUKES, J.B., KINAHAN, G.H. and BAILEY, W.H. 1860. Explanation to accompany Sheet 143 of the Maps of the Geological Survey of Ireland illustrating part of the Counties of Clare and Limerick, with Palaeontological Notes by W.H. Baily. Memoirs of the Geological Survey of Ireland.

KAFTANNIKOFF, L. 1952. Burren-Stone Age Country of Myth and Legend. *Sunday Independent*, 15 June, 11.

KARST WORKING GROUP. 2000. *The Karst of Ireland: Limestone Landscapes, Caves and Groundwater Drainage Systems.* Karst Working Group.

KEANE, M. 1980. The Burren, County Clare. *The Irish Heritage Series*, **30**. Eason & Son Ltd, Dublin.

KEEGAN, J.B. 1975. *The geology of Drumandoora, Co. Clare*. Unpublished B.Sc. thesis, University of Dublin.

KELLY, D.F. 1983. *The western part of the Cratloe Hills Silurian Inlier, County Clare.* Unpublished B.Sc. thesis, University of Dublin.

KINAHAN, G.H. 1863. Explanation to accompany Sheet 124 and that part of Sheet 125 that lies on west of Lough Derg, of the maps of the Geological Survey of Ireland, illustrating parts of the Counties of Galway, Clare and Tipperary. Memoir of the Geological Survey of Ireland.

KINAHAN, G.H. 1865. Explanation to accompany Sheets 115 and 116 of the maps of the Geological Survey of Ireland, illustrating a portion of the Counties of Galway, Clare and Tipperary. Memoir of the Geological Survey of Ireland.

KINAHAN, G.H. 1869. *Explanation to accompany sheet 105 and part of 114*. Memoir of the Geological Survey of Ireland.

KINAHAN, G.H., FOOT, F.J. and BAILY, W.H. 1860. Explanations to accompany Sheet 142 of the Maps of the Geological Survey of Ireland illustrating parts of the Counties of Clare, Kerry and Limerick, with Palaeontological notes by W.H. Baily. Memoirs of the Geological Survey of Ireland.

KINAHAN, G.H., FOOT, F.J. and BAILY, W.H. 1862. Explanations to accompany Sheet 133 of the Map of the Geological Survey of Ireland illustrating a portion of the County of Clare with Palaeontological notes by W.H. Baily. Memoirs of the Geological Survey of Ireland.

LE GALL, B. 1991. Crustal evolutionary model for the Variscides of Ireland and Wales from SWAT seismic data. *Journal of the Geological Society of London*, **148**, 759-774.

LEWARNE, G.C. 1959. *The junction of the Upper and Lower Carboniferous of County Clare and County Limerick, Eire*. Unpublished Ph.D. thesis, University of Reading.

LEWARNE, G.C. 1964. Starfish traces from the Namurian of County Clare, Ireland. *Palaeontology*, **7**(3), 508-513.

LEWIS, D. 1986. *The Carboniferous geology of the East Clare syncline*. Unpublished Ph.D. thesis, University of Dublin.

LLOYD, J. 1986. A Short Tour in the County Clare 1780. Whitegate, Ballinakella Press.

LUNDBERG, J. 1974. Coastal Karren - A Description, Classification and Analysis of Mode of Formation of Coastal Karren in the Burren District Co. Clare. Unpublished B.A. Dissertation, Department of Geography, TCD.

MacDERMOT, C.V. 1998. South Galway – North Clare. Geologists' Association Field Guide.

MacDERMOT, C.V., McCONNELL, B. and PRACHT, M. 2003. *Bedrock Geology 1:100,000 Scale Map Series, Sheet 14, Galway Bay.* Geological Survey of Ireland.

MACKEN, G.M. 1980. *The geology of the Broadford Mountains of County Clare*. Unpublished B.Sc. thesis, University of Dublin.

MAHER, P. 1998. *An East Clare Landscape Adventure*. Geological Survey of Ireland, Pamphlet Series.

MARTINSEN, O.J. 1987. Sedimentology and Syndepositional Deformation of the Gull Island Formation (Namurian R1) Western Irish Namurian Basin, Ireland. Unpublished Ph.D. thesis, University of Bergen.

MAX, M.D. and INAMDAR, D.D. 1983. Detailed compilation magnetic map of Ireland and a summary of its deep geology. *Geological Survey of Ireland Report Series* **RS83(1)** (Geophysics), 1-10.

McCLUSKEY, J.A.G. 1951. The Phosphorites of County Clare. Unpublished GSI Report.

McNELIS, J. 1976. *Aspects of the geomorphology of part of the E. Burren*. Unpublished B. A. Dissertation, Department of Geography, TCD.

MITCHELL, G.F. 1977. Periglacial Ireland. *Philosophical Transactions of the Royal Society of London Series B*, **280**, 199-209.

MONAGHAN, N. 1995. Fossil insect from Carboniferous rocks of Co. Clare. *Irish Naturalists' Journal* **25** (4), 155.

MORRIS, J.H. 1991. Field guide to the Caher Hill Formation, Slieve Aughty. Southern Uplands/Longford-Down Field Workshop Guide. Unpublished, 11pp.

MORRIS, J.H. and MacDERMOTT, C.V. 1993. *Slieve Aughty: an introductory guide to 500 million years of natural history*. Irish Geological Association Field Excursion Guide. Unpublished, 46pp.

MURPHY, T. 1974. Gravity anomaly map of Ireland (scale 1:750,000). *Communications of the Dublin Institute for Advanced Studies, Series D no.* **32**.

MURPHY, N.T. 1994. Doonbeg to Kilkee. Unpublished B.Sc. thesis, University of Dublin.

NAUGHTON, B. 1974. *Groundwater and related features in a temperate limestone region: Kinvarra, Co. Galway.* Unpublished B.A. Dissertation, Earth Sciences, Trinity College, Dublin.

NAYLOR, D. 1992. The post-Variscan history of Ireland. *In*: PARNELL, J. (ed.), *Basins on the Atlantic Seaboard: Petroleum Geology, Sedimentology and Basin Evolution.* Geological Society of London Special Publication, **62**, 255-275.

NUDDS, J.R. (1979) The Carboniferous coral *Orionastraea* in Ireland. *Journal of Earth Science Royal Dublin Society*, **2**, 65-70.

O'BRIEN, M.V. 1952. The fluorspar project at Doolin, Co. Clare. Unpublished GSI Report.

O'BRIEN, M.V. 1955. Analyses of coals from West Clare and North-west Limerick. Unpublished GSI Report.

O'CONNELL, J.W. and KORFF, A. 1991. *The Book of the Burren*. Tír Eolas, Kinvarra, Co. Galway.

O'CONNELL, J.W. and KORFF, A. 2001. *The Book of the Burren*. 2nd updated edition, Tír Eolas, Kinvarra, Co. Galway.

O'HARA, A. 1976. *Aspects Of The Limestone Hydrology Of The Kileanny Drainage Basin, Co. Clare.* Unpublished B.A. Dissertation, Dept. of Geography, TCD.

OLLIER, C.D. and TRATMAN, E.K. 1956. The geomorphology of the caves of NW Clare, Ireland. *Proceedings of the University of Bristol Speleological Society*, **7**(3), 138-158.

O'RAGHALLAIGH, C., FEELY, M., McARDLE, P., MacDERMOT, C., GEOGHAN, M. and KEARY, R. 1997. Mineral localities in the Galway Bay area. *Geological Survey of Ireland Report Series*, **97**/1.

PARKES, M.A. and HARPER, D.A.T. 1995. Ordovician Brachiopod biogeography in the lapetus Suture Zone of Ireland: Provincial dynamics in a changing ocean. *In*: COPPER, P. and JISUO, JIN (eds.), *Brachiopods*. Proceedings of the third International Brachiopod

Congress Sudbury/Ontario/Canada, 2-5 September, 1995. A.A. Balkema, Rotterdam, Brookfield, 1996.

PHILCOX, M.E. 1984. *Lower Carboniferous stratigraphy of the Irish Midlands*. Irish Association for Economic Geology, Dublin. 89pp.

PRACHT, M., LEES, A., LEAKE, B., FEELY, M., LONG, B., MORRIS, J. and McCONNELL, B., in press. Geology of Galway Bay: A geological description to accompany the Bedrock Geology 1:100,000 Scale Map Series, Sheet 14, Galway Bay. Geological Survey of Ireland.

PRIOR, G.T. 1902. The identity of kilbrickenite with geocronite. *Mineralogical Magazine*, **13**, 186-188.

PULHAM, A.J. 1989. Controls on internal structure and architecture of sandstone bodies within the Upper Carboniferous fluvial dominated deltas, County Clare, western Ireland. *In*: WHATELEY, M.K.G. and PICKERING, K.T. (eds.), *Deltas: Sites and traps for fossil fuels*. Geological Society of London Special Publication, **41**, 170-203.

RAGNEBORN-TOUGH, L., PYBUS, M.J. and PYBUS, C. 2000. A hydrographic study of Lough Bunny, Co. Clare. *Proceedings of the Royal Irish Academy*, **99B**, 191-196.

READMAN, P.W., O'REILLY, B.M., EDWARDS, J.W.F. and SANKEY, M.J. 1995. A Gravity map of Ireland and Surrounding Waters. *In*: CROKER, P.F. and SHANNON, P.M. (eds.), *The Petroleum Geology of Ireland's Offshore Basin*. Geological Society of London Special Publication, **93**, 9-16.

RICKARDS, R.B. and ARCHER, J.B. 1969. The Lower Palaeozoic rocks near Tomgraney, Co. Clare. *Scientific Proceedings of the Royal Dublin Society*, **A3**, 219-230.

RIDER, M.H. 1969. Sedimentological studies in the West Clare Namurian, Ireland and the Mississippi River Delta. Unpublished Ph.D. thesis, Imperial College London.

RIDER, M.H. 1974. The Namurian of West County Clare. *Proceedings of the Royal Irish Academy, Section B*, **75**, 125-142.

ROBINSON, T.D. 1977. The Burren, a map of the uplands of North-West Clare, Eire. 35,210:1 map, T.D. Robinson, Arainn.

RUSSELL, K.J. 1975. *Preparation and examination of conodont fauna in limestone samples from Magowna, Co. Clare, with a discussion of some useful statistical techniques.*Unpublished B.Sc. thesis, University of Dublin.

RYBACK, G. and MORETON, S. 1991. Microminerals from Ireland. Part 1: The South-West (Munster). *UK J. Mines and Minerals No.***10**, 22-7.

SCHULTZ, R.W. 1963. IBM Company Report. G.S.I. Open File Data.

SCHULTZ, R.W. and SEVASTOPULO, G.D. 1965. Lower Carboniferous Volcanic rocks near Tulla, Co. Clare, Ireland. *Scientific Proceedings of the Royal Dublin Society*, **2** *Series A*, 153-162.

SEVASTOPULO, G.D. 1981. Upper Carboniferous. *In*: HOLLAND, C.H. (ed.), *A Geology of Ireland*. Scottish Academic Press, Edinburgh.

SEVASTOPULO, G.D. 2001. Carboniferous (Silesian). *In*: HOLLAND, C.H. (ed.), *The Geology of Ireland*. Dunedin Academic Press, Edinburgh.

SHERWOOD, D. 1992. Limestone pavement areas Burren Region Co. Clare. *Geographical Viewpoint*, **20**, 98-103.

SIMMS, M.J. 1990. Phytokarst And Photokarren In Ireland. Cave Science, 17 (3), 131-133

SIMMS, M.J. 2001. Exploring the Limestone Landscapes of the Burren and the Gort Lowlands: A Guide for walkers, cyclists and motorists. Burrenkarst.com, Belfast.

SIMMS, M.J. 2003. The origin of enigmatic tubular lakeshore karren - A mechanism for the rapid dissolution of limestone in carbonate saturated waters. *Physical Geography*, **23**(1), 1-20.

SLEEMAN, A.G. and PRACHT, M. 1999. Geology of the Shannon Estuary. A geological description of the Shannon Estuary region including parts of Clare, Limerick and Kerry, to accompany the Bedrock Geology 1:100,000 Scale Map Series, Sheet 17, Shannon Estuary, with contributions by K. Claringbold and G. Stanley (Minerals), J. Deakin and G. Wright (Groundwater) and O. Bloetjes and R. Creighton (Quaternary). Geological Survey of Ireland.

SOMERVILLE, I.D. and JONES, G.Ll. 1985. The Courceyan stratigraphy of the Pollaskenry borehole, County Limerick, Ireland. *Geological Journal*, **20**, 377-400.

SPELLISSY, S. and O'BRIEN, J. 1987. Clare County of Contrast. Ennis, Privately Published.

STANLEY, G.A. 1987. Exploration Focus, Courtbrown. *Geological Survey of Ireland Pamphlet Series*, **87**(4), 1-4.

STANLEY, G.A. 1990. Mineral exploration of the Limerick Basin: A compilation of exploration data from parts of counties Limerick, Tipperary, Clare and Cork, Ireland. *Geological Survey of Ireland Report Series*, **90**(1), 110pp.

SWEETING, M.M. 1953. The enclosed depression of Carran, Co. Clare. *Irish Geography*, **2**(5), 218-224.

SWEETING, M.M. 1955. The landforms of northwest Co. Clare, Ireland. *Transactions of the Institute of British Geographers*, **21**, 33-49.

SWEETING, M.M. 1973. Karst Landforms. Columbia University Press, New York. 362pp.

SWEETING, M. and SWEETING, G. 1969. Some aspects of the Carboniferous Limestone in relation to its landforms with particular reference to NW. Yorkshire and Co. Clare. *Etudes et Travaux de Mediterranee*, **7**, 201-209.

TANABE, K., SHIGETA, Y. and MAPES, R.H. 1995. Early life history of Carboniferous ammonoids inferred from analysis of shell hydrostatics and fossil assemblages. *Palaios*, **10**, 80-86.

TATTERSALL, J.A. 1963. *The geological succession of the Carboniferous Limestone of south County Clare, Ireland west of the River Fergus.* Unpublished Ph.D. thesis, University of Reading.

THORN, R.H. and COXON, C.E. 1992. Hydrogeological aspects of bacterial contamination of some Western Ireland karstic limestone aquifers. *Environmental Geology Water Science*, **20**(1), 65-72.

TRATMAN, E.K. 1969. The rate of solution of Carboniferous Limestone in the caves of NW. Clare, Ireland. *Problems of the Karst Denudation, Brno, 1969* in *Geograficky Ustav*, **5**, 87-98.

TRATMAN, E.K. 1969. *The Caves of North-West Clare, Ireland.* David and Charles, Newton Abbot, Devon. 256pp.

TRATMAN, E.K. 1973. The underground drainage pattern of NW. Clare, Ireland. *Proceedings of the 6th International Congress of Speleology, Olomouc, Czechoslovakia* (for 1973) **IV**, 189-193.

TRUDGILL, S.T., 1967, Some aspects of the significance of soil conditions to limestone weathering in NW. Co. Clare, Eire. University Of Bristol Department Of Geography, 141PP.

TRUDGILL, S.T.1976. The erosion of limestones under soil and the long term stability of soil vegetation systems on limestone Co. Clare. *Earth Surface Processes*, **1**(1), 31-42.

TRUDGILL, S.T. 1985. *Limestone Geomorphology*. Longman, London and New York.

TRUDGILL, S.T. 1987. Bioerosion of intertidal limestone, Co. Clare, Eire - 3: Zonation, process and form. *Marine Geology*, **74**, 111-121.

TRUDGILL, S.T. & CRABTREE, R.W. 1987. Bioerosion of intertidal limestone, Co. Clare, Eire - 2: *Hiatella arctica. Marine Geology*, **74**, 99-109.

TRUDGILL, S.T., SMART, P.L., FRIEDERICH, H. and CRABTREE, R.W. 1987. Bioerosion of intertidal limestone, Co. Clare, Eire - 1: *Paracentrotus lividus. Marine Geology*, **74**, 85-98.

WARREN, W.P. and O'CONNELL, M. (*eds.*) 1993. The Burren. *IQUA* (*Irish Association for Quaternary Studies*) Field Guide, **15**, 58 pp.

WEIR, J.A. 1959. Ashgillian trilobites from County Clare, Ireland. *Palaeontology* 1, 369-383.

WEIR, J.A. 1962. Geology of the Lower Palaeozoic Inliers of Slieve Bernagh and the Cratloe Hills, Co. Clare. *Scientific Proceedings of the Royal Dublin Society, Series A*, **1**, 233-263.

WEIR, J.A. 1975. Palaeogeographical implications of two Silurian shelly faunas from the Arra Mountains and Cratloe Hills, Ireland. *Palaeontology* **18**, 343-350.

WESTROPP, W.H.S. 1870. Sketch of the Physical Geology of North Clare. *Journal of the Royal Geological Society of Ireland, New Series*, **3**(1), 75-79.

WESTROPP, T. 1899. Prehistoric remains in the Burren. *Journal of the Royal Society of Antiquaries of Ireland*, **29**, 367.

WESTROPP, T. 1903. Finds at Edenvale Co. Clare. *Journal of the Royal Society of Antiquaries of Ireland*, **33**, 90-91.

WHILDE, T. 1987. Pocket Guide to the Cliffs of Moher. Appletree Press Belfast.

WILLIAMS, P.W. 1963. An Initial Estimate of the Speed of Limestone Solution in County Clare. *Irish Geography*, **4**(6), 432-441.

WILLIAMS, P.W. 1964. Aspects of the limestone physiography of parts of Co. Clare and Galway, W. Ireland. Unpublished Ph.D. thesis, University of Cambridge.

WILLIAMS, P.W. 1968. An evaluation of the rate and distribution of limestone solution and deposition in the River Fergus Basin, W. Ireland. *Australian National University Canberra, Department of Geography*, **Pub. G**/**5**, 1-40.

WILLIAMS, P.W. 1996. Limestone Pavements with special reference to Western Ireland. *Transactions of the Institute of British Geographers*, **40**, 155-172.

WYNNE, A.B. 1943. Mineral developments in Eire. Mining Magazine, 68, 338-344.

WYNNE, A.B. 1860. Explanatory memoir to accompany sheet 144 of the maps of the Geological Survey of Ireland in the counties of Limerick, Tipperary and Clare. Memoirs of the Geological Survey of Ireland, Dublin.

YEATES, B. 1994. *An investigation of the subaerial karstic landforms of the Burren using aerial photographs*. Unpublished B.A. Dissertation, Department of Geography, TCD.