

Sources for information included in the BRITICE V.2 database, 2017.

- Agar, R. 1954: Glacial and post-glacial geology of Middlesborough and the Tees estuary. *Proceedings of the Yorkshire Geological Society* 29, 237-253.
- Aitken, J. F. 1990: Glaciolacustrine deposits in Glen Nochty, Grampian Region, Scotland, UK. *Quaternary Newsletter* 60, 13-20.
- Aitkenhead, N., Bridge, D. M., Riley, N. J., & Kimbell, S. F. 1991: Geology of the country around Garstang. Memoir of the British Geological Survey
- Akhurst, M.C., Chadwick, R.A., Holliday, D.W., McCormac, M., McMillan, A.A., Millward, D. and Young, B., 1997. *Geology of the west Cumbria district* (Vol. 28). British Geological Survey.
- Anderson, J. G. C., & Owen, T. R. 1979: The late Quaternary history of the Neath and Afan Valleys, South Wales. *Proceedings of the Geologists' Association* 90, 203-211.
- Andrews, I. J., Long, D., Richards, P. C., Brown, S., Chester, J. A., & McCormac, M. 1990: *UK offshore regional report: the geology of the Moray Firth*. 96 pp. British Geological Survey HMSO, London.
- Armstrong, M., Paterson, I.B., Browne, M.A.E., Brand, P.J., Chisholm, J.I., Harris, A.L., & Stephens, D. 1985: Geology of the the Perth and Dundee district. Memoir of the British Geological Survey.
- Arthurton, R. S., & Wadge, A. J. 1981: Geology of the country around Penrith. Memoir of the British Geological Survey.
- Arthurton, R. S., Johnson, E.W., & Mundy, D.J.C. 1988: Geology of the country around Settle. Memoir of the British Geological Survey.
- Ballantyne, C. K. 1990: The late Quaternary history of the Trotternish Escarpment, Isle of Skye Scotland and its implications for ice sheet reconstruction. *Proceedings of the Geologists Association* 101, 171-186.
- Ballantyne, C. K. 1999: Maximum altitude of Late Devensian glaciation on the Isle of Mull and Isle of Jura. *Scottish Journal of Geology* 35, 97-106.
- Ballantyne, C. K. 1988: Ice-Sheet Moraines in Southern Skye. *Scottish Journal of Geology* 24, 301-304.
- Ballantyne, C.K. and Hall, A.M., 2008. The altitude of the last ice sheet in Caithness and east Sutherland, northern Scotland. *Scottish Journal of Geology*, 44(2), pp.169-181.
- Ballantyne, C. K., & Hallam, G. E. 2001: Maximum altitude of Late Devensian glaciation on South Uist, Outer Hebrides, Scotland. *Proceedings of the Geologists Association* 112, 155-167.
- Ballantyne, C.K. and McCarroll, D., 1995. The vertical dimensions of Late Devensian glaciation on the mountains of Harris and southeast Lewis, Outer Hebrides, Scotland. *Journal of Quaternary Science*, 10(3), pp.211-223.
- Ballantyne, C. K., & McCarroll, D. 1997: Maximum altitude of the Late Devensian ice sheet on the isle of Rum. *Scottish Journal of Geology* 33, 183-186.
- Ballantyne, C. K., McCarroll, D., Nesje, A., & Dahl, S. O. 1997: Periglacial trimlines, former nunataks and the altitude of the last ice sheet in Wester Ross, northwest Scotland.

Journal of Quaternary Science 12, 225-238.

- Ballantyne, C. K., McCarroll, D., Nesje, A., Dahl, S. O., & Stone, J. O. 1998: The last ice sheet in north-west Scotland: Reconstruction and implications. *Quaternary Science Reviews* 17, 1149-1184.
- Ballantyne, C.K., McCarroll, D. and Stone, J.O., 2006. Vertical dimensions and age of the Wicklow Mountains ice dome, Eastern Ireland, and implications for the extent of the last Irish ice sheet. *Quaternary Science Reviews*, 25(17), pp.2048-2058.
- Ballantyne, C.K., Hall, A.M., Phillips, W., Binnie, S. and Kubik, P.W., 2007a. Age and significance of former low-altitude corrie glaciers on Hoy, Orkney Islands. *Scottish Journal of Geology*, 43(2), pp.107-114.
- Ballantyne, C.K., McCarroll, D. and Stone, J.O., 2007b. The Donegal ice dome, northwest Ireland: dimensions and chronology. *Journal of Quaternary Science*, 22(8), pp.773-783.
- Ballantyne, C.K., Schnabel, C. and Xu, S., 2009. Readvance of the last British-Irish ice sheet during Greenland interstade 1 (GI-1): the Wester Ross readvance, NW Scotland. *Quaternary Science Reviews*, 28(9), pp.783-789.
- Ballantyne, C.K., McCarroll, D. and Stone, J.O., 2011. Periglacial trimlines and the extent of the Kerry-Cork Ice Cap, SW Ireland. *Quaternary Science Reviews*, 30(27), pp.3834-3845.
- Ballantyne, C.K. and Stone, J.O., 2012. Did large ice caps persist on low ground in northwest Scotland during the Lateglacial Interstade?. *Journal of Quaternary Science*, 27(3), pp.297-306.
- Ballantyne, C.K., Rinterknecht, V. and Gheorghiu, D.M., 2013. Deglaciation chronology of the Galloway Hills ice centre, southwest Scotland. *Journal of Quaternary Science*, 28(4), pp.412-420.
- Balson, S., & Jeffery, D. H. 1991: The glacial sequence of the southern North Sea. In Ehlers, J., Gibbard, P. L., & Rose, J. (eds.): *Glacial deposits in Great Britain and Ireland*, 245-254. Balkema, Rotterdam.
- Barr, I.D., Ely, J.C., Spagnolo, M., Clark, C.D., Evans, I.S., Pellicer, X.P., Pellitero, R. and Rea, B. R. (submitted). Climate patterns in the NE Atlantic during periods of glacier initiation in Britain and Ireland: inferences from the cirque record.
- Barton et al., 2012: Unpublished conference proceedings.
- Bennet, M.R., & Boulton, G.S.B. 1993: Deglaciation of the Younger Dryas or Loch Lomond Stadial icefield in the northern Highlands, Scotland. *Journal of Quaternary Science* 8, 133-145.
- Benetti, S., Dunlop, P. and Cofaigh, C.O., 2010. Glacial and glacially-related features on the continental margin of northwest Ireland mapped from marine geophysical data. *Journal of Maps*, 6(1), pp.14-29.
- BGS (British Geological Survey). 1856-62: Midlothian, Scotland Sheet 19. British Geological Survey, Keyworth, Nottingham.
- BGS (British Geological Survey) 1857: Berwickshire, Scotland Sheet 8. British Geological Survey Keyworth, Nottingham.

- BGS (British Geological Survey) 1857-59: Berwickshire, Scotland Sheet 7. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1860: Midlothian, Scotland Sheet 18. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1861: Peeblesshire, Scotland Sheet 5. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1862: Peeblesshire, Scotland Sheet 4. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1862: Peeblesshire, Scotland Sheet 6. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1862: Selkirkshire, Scotland Sheet 9. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1862: Selkirkshire, Scotland Sheet 21. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1862-63: Peeblesshire, Scotland Sheet 9. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1862-63: Peeblesshire, Scotland Sheet 11. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1862-63: Peeblesshire, Scotland Sheet 12. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1862-63: Peeblesshire, Scotland Sheet 13. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1862-63: Peeblesshire, Scotland Sheet 15. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1862-63: Peebleshire, Scotland Sheet 16. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1862-63: Selkirkshire, Scotland Sheet 10. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1863, 1870: Peeblesshire, Scotland Sheet 19. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1863, 1870: Peeblesshire, Scotland Sheet 25. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1863, 1870-72: Selkirkshire, Scotland Sheet 14. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1863, 1873: Selkirkshire, Scotland Sheet 7. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1863: Midlothian, Scotland Sheet 21. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1863: Midlothian, Scotland Sheet 22. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1863: Peeblesshire, Scotland Sheet 7. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1863: Peeblesshire, Scotland Sheet 8. British Geological

Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1863: Peeblesshire, Scotland Sheet 10. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1863: Peeblesshire, Scotland Sheet 14. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1863: Peeblesshire, Scotland Sheet 17. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1863: Peeblesshire, Scotland Sheet 18. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1863: Peeblesshire, Scotland Sheet 20. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1863: Selkirkshire, Scotland Sheet 3. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1863: Selkirkshire, Scotland Sheet 5. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1863: Selkirkshire, Scotland Sheet 6. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1863-72: Selkirkshire, Scotland Sheet 13. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1865: Midlothian, Scotland Sheet 20. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1868: Dumfriesshire, Scotland Sheet 30. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1868: Dumfriesshire, Scotland Sheet 40. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1868: Dumfriesshire, Scotland Sheet 41. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1868-69: Dumfriesshire, Scotland Sheet 21. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1868-69: Dumfriesshire, Scotland Sheet 31. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1868-69: Lanarkshire, Scotland Sheet 50. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1868-71: Dumfriesshire, Scotland Sheet 32. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1868-71: Lanarkshire, Scotland Sheet 53. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1868-72: Dumfriesshire, Scotland Sheet 23. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1869: Lanarkshire, Scotland Sheet 51/54. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1869: Peeblesshire, Scotland Sheet 24. British Geological Survey Keyworth, Nottingham.

- BGS (British Geological Survey) 1869: Peeblesshire, Scotland Sheet 26. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1869: Peeblesshire, Scotland Sheet 27. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1869-70: Dumfriesshire, Scotland Sheet 9. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1869-70: Dumfriesshire, Scotland Sheet 16. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1869-70: Dumfriesshire, Scotland Sheet 17. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1869-70: Peeblesshire, Scotland Sheet 21. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1869-70: Peeblesshire, Scotland Sheet 23. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1869-71: Dumfriesshire, Scotland Sheet 24. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1870: Dumfriesshire, Scotland Sheet 4. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1870: Dumfriesshire, Scotland Sheet 10. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1870: Selkirkshire, Scotland Sheet 17. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1870: Selkirkshire, Scotland Sheet 20. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1870-73: Dumfriesshire, Scotland Sheet 33. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1870-73: Dumfriesshire, Scotland Sheet 34. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1870-73: Dumfriesshire, Scotland Sheet 42. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1871: Lanarkshire, Scotland Sheet 49. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1871: Selkirkshire, Scotland Sheet 18. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1871-73: Dumfriesshire, Scotland Sheet 25. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1872, 1923: Stranraer, Scotland Sheet 3. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1872: Berwickshire, Scotland Sheet 13. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1872: Berwickshire, Scotland Sheet 14. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1872: Roxburghshire, Scotland Sheet 4. British Geological

Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1872: Roxburghshire, Scotland Sheet 7. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1872: Roxburghshire, Scotland Sheet 8. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1872: Selkirkshire, Scotland Sheet 4. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1872: Selkirkshire, Scotland Sheet 11. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1872: Selkirkshire, Scotland Sheet 19. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1872-74: Roxburghshire, Scotland Sheet 14. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1872-74: Selkirkshire, Scotland Sheet 8. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1872-75: Berwickshire, Scotland Sheet 19. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1872-75: Berwickshire, Scotland Sheet 20. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1872-75: Selkirkshire, Scotland Sheet 12. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1872-76: Roxburghshire, Scotland Sheet 24. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1872-77: Selkirkshire, Scotland Sheet 15. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1873: Berwickshire, Scotland Sheet 30. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1873: Roxburghshire, Scotland Sheet 1. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1873: Roxburghshire, Scotland Sheet 2. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1873-74: Berwickshire, Scotland Sheet 26. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1874: Roxburghshire, Scotland Sheet 13. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1875: Argyll, Scotland Sheet 128. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1875: Roxburghshire, Scotland Sheet 19. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1875-76: Roxburghshire, Scotland Sheet 20. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1875-77: Roxburghshire, Scotland Sheet 3. British Geological Survey Keyworth, Nottingham.

- BGS (British Geological Survey) 1875-78: Roxburghshire, Scotland Sheet 25. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1875-78: Roxburghshire, Scotland Sheet 32. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1876: Roxburghshire, Scotland Sheet 38. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1876: Roxburghshire, Scotland Sheet 18. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1876: Roxburghshire, Scotland Sheet 41. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1876: Roxburghshire, Scotland Sheet 43. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1877: 1925. Wigtown, Scotland Sheet 4E. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1878: Roxburghshire, Scotland Sheet 42. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1878-79: Roxburghshire, Scotland Sheet 31. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1880: Argyll, Scotland Sheet 163. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1884: Argyll, Scotland Sheet 164. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1884: Argyll, Scotland Sheet 215. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1884-85: Argyll, Scotland Sheet 204. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1885: Argyll, Scotland Sheet 184. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1885: Argyll, Scotland Sheet 193. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1885: Argyll, Scotland Sheet 195. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1885: Argyll, Scotland Sheet 203. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1885: Argyll, Scotland Sheet 214. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1885-86: Argyll, Scotland Sheet 173. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1885-86: Argyll, Scotland Sheet 174. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1885-87: Argyll, Scotland Sheet 153. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1885-88: Argyll, Scotland Sheet 183. British Geological

Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1885-88: Argyll, Scotland Sheet 192. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1885-88: Argyll, Scotland Sheet 194. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1885-88: Argyll, Scotland Sheet 202. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1886: Roxburghshire, Scotland Sheet 37. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1886-87: Argyll, Scotland Sheet 170. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1886-88: Argyll, Scotland Sheet 172. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1886-88: Argyll, Scotland Sheet 181. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1886-9: Argyll, Scotland Sheet 161. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1886-99: Argyll, Scotland Sheet 225. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1886-99: Argyll, Scotland Sheet 226. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1886-99: Argyll, Scotland Sheet 237. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1886-99: Argyll, Scotland Sheet 238. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1886-99: Argyll, Scotland Sheet 243. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1886-99: Argyll, Scotland Sheet 244. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1886-99: Argyll, Scotland Sheet 245. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1886-99: Argyll, Scotland Sheet 248. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1886-99: Argyll, Scotland Sheet 249. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1886-99: Argyll, Scotland Sheet 250. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1886-99: Argyll, Scotland Sheet 253. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1886-99: Argyll, Scotland Sheet 254. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1886-99: Argyll, Scotland Sheet 255. British Geological Survey Keyworth, Nottingham.

- BGS (British Geological Survey) 1886-99: Argyll, Scotland Sheet 258A. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1886-99. Argyll, Scotland Sheet 259. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1886-99: Argyll, Scotland Sheet 260. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1887-88: Argyll, Scotland Sheet 171. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1888: Argyll, Scotland Sheet 162. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1889-1895: Argyll, Scotland Sheet 140. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1889-1900: Argyll, Scotland Sheet 130. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1889-91: Argyll, Scotland Sheet 258. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1889-94: Argyll, Scotland Sheet 150. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1889-94: Argyll, Scotland Sheet 150. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1890: Argyll, Scotland Sheet 182. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1890: Argyll, Scotland Sheet 200. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1890: Argyll, Scotland Sheet 201. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1890-3: Sutherland, Scotland Sheet 105. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1890-91: Argyll, Scotland Sheet 257. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1891: Argyll, Scotland Sheet 252. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1891-92: Argyll, Scotland Sheet 261. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1891-92: Argyll, Scotland Sheet 262. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1891-92: Argyll, Scotland Sheet 263. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1891-95: Argyll, Scotland Sheet 125. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1892: Argyll, Scotland Sheet 264. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1892: Argyll, Scotland Sheet 265. British Geological Survey Keyworth, Nottingham.

- Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1892: Argyll, Scotland Sheet 266. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1892: Argyll, Scotland Sheet 266A. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1892: Argyll, Scotland Sheet 267. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1892-93: Argyll, Scotland Sheet 251. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1893: Argyll, Scotland Sheet 246. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1893: Argyll, Scotland Sheet 247. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1893-94: Sutherland, Scotland Sheet 87. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1893-94: Sutherland, Scotland Sheet 88. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1893-94: Sutherland, Scotland Sheet 96. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1893-94: Sutherland, Scotland Sheet 97. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1894-1900: Argyll, Scotland Sheet 160. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1896-1902: Argyll, Scotland Sheet 123. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1896-97: Argyll, Scotland Sheet 121. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1897: Argyll, Scotland Sheet 124. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1900: Argyll, Scotland Sheet 129. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1900: Argyll, Scotland Sheet 149. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1903: Argyll, Scotland Sheet 137. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1903: Argyll, Scotland Sheet 147. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1903-05: Argyll, Scotland Sheet 169. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1904-05: Argyll, Scotland Sheet 190. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1904-05: Argyll, Scotland Sheet 191. British Geological Survey Keyworth, Nottingham.

- BGS (British Geological Survey) 1905: Argyll, Scotland Sheet 159. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1905: Caithness, Scotland Sheet 1. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1907: Caithness, Scotland Sheet 2/2A. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1907: Caithness, Scotland Sheet 3/3A. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1910: Argyll, Scotland Sheet 148. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1912: Leadhills, Scotland Sheet 15E. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1918: Dumfriesshire, Scotland Sheet 22. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1925: Carlisle, England and Wales Sheet 17. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1926: Holy Island, England and Wales Sheet 22. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1927, 1929: Orkney, Scotland Sheet 112. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1927, 1929: Orkney, Scotland Sheet 113. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1927: Orkney, Scotland Sheet 102. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1927: Orkney, Scotland Sheet 107. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1927: Orkney, Scotland Sheet 120. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1927: Orkney, Scotland Sheet 121. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1927: Orkney, Scotland Sheet 124. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1927: Orkney, Scotland Sheet 125. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1927: Orkney, Scotland Sheet 126. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1927: Orkney, Scotland Sheet 127. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1927: Orkney, Scotland Sheet 72. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1927: Orkney, Scotland Sheet 73. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1927: Orkney, Scotland Sheet 78. British Geological

Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1927: Orkney, Scotland Sheet 78A. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1927: Orkney, Scotland Sheet 80. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1927: Orkney, Scotland Sheet 80. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1927: Orkney, Scotland Sheet 80. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1927: Orkney, Scotland Sheet 81. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1927: Orkney, Scotland Sheet 82. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1927: Orkney, Scotland Sheet 87. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1927: Orkney, Scotland Sheet 91. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1927-28: Orkney, Scotland Sheet 100. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1927-28: Orkney, Scotland Sheet 101. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1927-28: Orkney, Scotland Sheet 103. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1927-28: Orkney, Scotland Sheet 108. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1927-29: Orkney, Scotland Sheet 106. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1928: Orkney, Scotland Sheet 109. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1928: Orkney, Scotland Sheet 110. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1928: Orkney, Scotland Sheet 114. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1928: Orkney, Scotland Sheet 115. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1928: Orkney, Scotland Sheet 116. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1928: Orkney, Scotland Sheet 88. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1928: Orkney, Scotland Sheet 94. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1928: Orkney, Scotland Sheet 95. British Geological Survey Keyworth, Nottingham.

Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1932: Shrewsbury, England and Wales Sheet 152. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1949: Brampton, England and Wales Sheet 18. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1957: Wick, Scotland Sheet 116. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1959: Wolverhampton, England and Wales Sheet 153. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1962: Stockport, England and Wales Sheet 98. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1964: Grantown-on-Spey, Scotland Sheet 74. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1965: Durham, England and Wales Sheet 27. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1967: Carmarthen, England and Wales Sheet 229. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1967: Church Stretton, England and Wales Sheet 166. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1967: Edinburgh, Scotland Sheet 32. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1967: Nantwich, England and Wales Sheet 122. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1967: Wem, England and Wales Sheet 138. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1968: Macclesfield, England and Wales Sheet 110. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1968: Wrexham, England and Wales Sheet 121. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1969: Barnard Castle, England and Wales Sheet 32. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1969: Doncaster, England and Wales Sheet 88. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1969: Duns, Scotland Sheet 26. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1969: Elgin, Scotland Sheet 95. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1969: Newport, England and Wales Sheet 249. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1970: Rhyl, England and Wales Sheet 95. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1970: Richmond, England and Wales Sheet 41. British Geological Survey Keyworth, Nottingham

- BGS (British Geological Survey) 1971: Goole, England and Wales Sheet 79. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1971: North Berwick, Scotland Sheet 41. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1971: Rothesay, Scotland Sheet 29. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1972: Cromarty, Scotland Sheet 94W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1972: Shrewsbury, England and Wales Sheet 152. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1973: Denbigh, England and Wales Sheet 107. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1973: Kinross, Scotland Sheet 40E. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1973: Pickering, England and Wales Sheet 53. British Geological Survey Keyworth, Nottingham
- BGS (British Geological Survey) 1973: Selby, England and Wales Sheet 71. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1974: Alloa, Scotland Sheet 39E. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1974: Arran, Scotland Sheet 21/13. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1974: Blackwater, Scotland Sheet 54W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1974: Bradford, England and Wales Sheet 69. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1974: Brough-under-Stainmore, England and Wales Sheet 31. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1974: Leeds, England and Wales Sheet 70. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1974: Loch Rannoch, Scotland Sheet 54E. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1974: Monmouth, England and Wales Sheet 233. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1974: Mull, Scotland Sheet 44. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1974: Rochdale, England and Wales Sheet 76. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1974: Stafford, England and Wales Sheet 139. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1974: Stirling, Scotland Sheet 39W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1975: Blackpool, England and Wales Sheet 66. British

- Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1975: Clitheroe, England and Wales Sheet 68. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1975: Cockermouth, England and Wales Sheet 23. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1975: Dudley, England and Wales Sheet 167. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1975: Dunvegan, Scotland Sheet 80W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1975: Loch Lochy, Scotland Sheet 62E. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1975: Loch Quoich, Scotland Sheet 62W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1975: Loch Torridon, Scotland Sheet 81E. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1975: Oswestry, England and Wales Sheet 137. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1975: Pontypridd, England and Wales Sheet 248. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1975: Portree, Scotland Sheet 80E. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1976: Barnsley, England and Wales Sheet 87. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1976: Barrow-in Furness, England and Wales Sheet 58. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1976: Broadford, Scotland Sheet 71W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1976: Camarthen, England and Wales Sheet 229. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1976: Droitwich, England and Wales Sheet 182. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1976: Haverfordwest, England and Wales Sheet 228. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1976: Kyle of Lochalsh, Scotland Sheet 71E. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1976: Staffin, Sheet 90. Scotland British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1976: The Cheviot, Scotland Sheet 5. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1976: Whitehaven, Scotland Sheet 28. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1976: Wolsingham, England and Wales Sheet 26. British Geological Survey Keyworth, Nottingham.

- BGS (British Geological Survey) 1977: Chapel en le Frith, England and Wales Sheet 99. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1977: Rothby, England and Wales Sheet 9. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1977: Swansea, England and Wales Sheet 247. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1978: Wakefield, England and Wales Sheet 78. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1978: Ayr, Scotland Sheet 14W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1978: Dunbar, Scotland Sheet 33E. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1978: Haddington, Scotland Sheet 33W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1978: Kings Lynn and the Wash, England and Wales Sheet 145/129. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1978: Sunderland, England and Wales Sheet 21. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1979: Merthyr Tydfil, England and Wales Sheet 231. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1979: New Galloway, Scotland Sheet 9W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1980: Aberdeen, Scotland Sheet 77. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1980: Bellingham, England and Wales Sheet 13. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1980: Cumnock, Scotland Sheet 14E. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1980: Girvan, Scotland Sheet 7. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1980: Kirkcudbright, Scotland Sheet 5W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1980: Kirkudbright, Scotland Sheet 5W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1980: Loch Doon, Scotland Sheet 8E. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1980: Raasay, Scotland Sheet 81W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1980: Thornhill, Scotland Sheet 9E. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1981: Arbroath, Scotland Sheet 49. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1981: Biggar, Scotland Sheet 24W. British Geological

Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1981: Carrick, Scotland Sheet 8W. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1981: Dalbeattie, Scotland Sheet 5E. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1981: Flint, England and Wales Sheet 108. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1981: Glossop, England and Wales Sheet 86. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1981: Leadhills, Scotland Sheet 15E. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1982: Brigg, England and Wales Sheet 89. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1982: Cupar, Scotland Sheet 48E. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1982: Ecclefechan, Scotland Sheet 10E. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1982: Harlech, England and Wales Sheet 135. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1982: Hawick, England and Wales Sheet 17W. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1982: Jedburgh, England and Wales Sheet 17E. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1982: Kirkcowan, Scotland Sheet 4W. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1982: New Cumnock, Scotland Sheet 15W. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1983: Alloa, Scotland Sheet 39E. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1983: Annan, Scotland Sheet 6. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1983: Eyemouth, Scotland Sheet 34. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1983: Eyemouth, Scotland Sheet 34. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1983: Kingston-upon-Hull, England and Wales Sheet 80. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1983: Lochmaben, Scotland Sheet 10W. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1983: Peebles, Scotland Sheet 24E. British Geological Survey Keyworth, Nottingham.

BGS (British Geological Survey) 1983: York, England and Wales Sheet 63. British Geological Survey Keyworth, Nottingham.

- BGS (British Geological Survey) 1985: Bangor, England and Wales Sheet 106. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1985: Galashiels, Scotland Sheet 25W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1985: Kirkmaiden, Scotland Sheet 1. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1985: Masham, England and Wales Sheet 51. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1985: Perth, Scotland Sheet 48W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1986: Bala, England and Wales Sheet 136. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1987: Ettrick, Scotland Sheet 16E. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1987: Fraserburgh, Scotland Sheet 97. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1987: Harrogate, England and Wales Sheet 62. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1987: Irvine, Scotland Sheet 22W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1987: Moffat, Scotland Sheet 16W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1987: Stockton, England and Wales Sheet 33. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1987: Whithorn, Scotland Sheet 2. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1988: Cardiff, England and Wales Sheet 263. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1988: Tewkesbury, England and Wales Sheet 216. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1989: Aberystwyth, England and Wales Sheet 163. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1989: Bridgend, England and Wales Sheet 262. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1989: Greenock, Scotland Sheet 30W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1989: Hereford, England and Wales Sheet 198. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1989: Llandudno, England and Wales Sheet 94. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1989: Newcastle, England and Wales Sheet 20. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1990: Abergavenny, England and Wales Sheet 232. British

- Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1990: Chester, England and Wales Sheet 109. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1990: Grimsby, England and Wales Sheet 90/91. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1991: Garstang, England and Wales Sheet 67. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1991: Patrington, England and Wales Sheet 81/82. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1991: Settle, England and Wales Sheet 60. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1991: Settle, England and Wales Sheet 60. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1992: Airdrie, Scotland Sheet 31W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1992: Egton, England and Wales Sheet 43. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1992: Peterhead, Scotland Sheet 87E. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1992: Thirsk, England and Wales Sheet 52. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1993: Corwen, England and Wales Sheet 120. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1993: Great Driffield, England and Wales Sheet 64. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1993: Hamilton, Scotland Sheet 23W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1993: Worcester, England and Wales Sheet 199. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1994: Aberdaron and Bardsey Island, England and Wales Sheet 133. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1994: Glasgow, Scotland Sheet 30E. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1994: Llanilar, England and Wales Sheet 178. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1994: Montgomery, England and Wales Sheet 165. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1994: Northallerton, England and Wales Sheet 42. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1994: Rum, Scotland Sheet 60. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1995: Beverly, England and Wales Sheet 72. British Geological Survey Keyworth, Nottingham

- BGS (British Geological Survey) 1995: Boston, England and Wales Sheet 128. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1995: Cadair Idris, England and Wales Sheet 149. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1995: Glen Roy, Scotland Sheet 63W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1995: Horncastle, England and Wales Sheet 115. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1995: Lancaster, England and Wales Sheet 59. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1995: Turriff, Scotland Sheet 86E. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1996: Banchory, Scotland Sheet 66E. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1996: Cambeltown, Scotland Sheet 12. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1996: Colonsay, Scotland Sheet 35. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1996: Glenlivet, Scotland Sheet 75W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1996: Knapdale, Scotland Sheet 28E. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1996: Langholm, England and Wales Sheet 11. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1996: Scardroy, Scotland Sheet 82E. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1996: Sound of Gigha, Scotland Sheet 20. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1996: South Jura, Scotland Sheet 28W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1996: Staffa, Scotland Sheet 43N. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1996: Strathy Point, Scotland Sheet 115W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1997: Cockermouth, England and Wales Sheet 23. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1997: Falkirk, Scotland Sheet 31E. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1997: Fortrose, Scotland Sheet 84W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1997: North Islay, Scotland Sheet 27. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1997: Richmond, England and Wales Sheet 41. British

- Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1997: Ross of Mull, Scotland Sheet 43S. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1997: Snowdon, England and Wales Sheet 119. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1997: Summer Isles, Scotland Sheet 101W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1997: Ulverston, England and Wales Sheet 48. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1998: Ambleside, England and Wales Sheet 38. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1998: Guisborough, England and Wales Sheet 34. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1998: Kirkbean, Scotland Sheet 6W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1998: Scarborough, England and Wales Sheet 54. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1998: South Islay, Scotland Sheet 19. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1999: Flint, England and Wales Sheet 108. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1999: Gairloch, Scotland Sheet 91. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1999: Golspie, Scotland Sheet 103W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1999: Gosforth, Scotland Sheet 37. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1999: Kirkcaldy, Scotland Sheet 40E. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1999: Market Rasen, England and Wales Sheet 102. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1999: Pwllheli, England and Wales Sheet 134. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1999: Stonehaven, Scotland Sheet 67. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 1999: Tiree and Coll, Scotland Sheet 42/51W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 2000: Dalwhinnie, Scotland Sheet 63E. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 2000: Ellon, Scotland Sheet 87W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 2000: Helmsdale, Scotland Sheet 103E. British Geological Survey Keyworth, Nottingham.

- BGS (British Geological Survey) 2000: Kilfinan, Scotland Sheet 29W. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 2000: Kilmartin, Scotland Sheet 36. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 2000: Lairg, Scotland Sheet 102E. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 2000: Minginish, Scotland Sheet 70. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 2001: Kilmarnock, Scotland Sheet 22E. British Geological Survey Keyworth, Nottingham.
- BGS (British Geological Survey) 2002: Inverurie, Scotland Sheet 76E. British Geological Survey Keyworth, Nottingham.
- Boardman, J. 1991: Glacial deposits of the English Lake District. *In* Ehlers J., Gibbard P.L., Rose J. (eds.): *Glacial deposits in Great Britain and Ireland*, 175 – 183. Balkema, Rotterdam.
- Boulton, G. S., Jones, A. S., Clayton, K.M. & Kenning, M.J. 1977: A British ice-sheet model and patterns of glacial erosion and deposition in Britain. *In* Shotton, F. W. (ed.): *British Quaternary Studies, Recent Advances*, 231-246. Clarendon Press, Oxford.
- Bowen, D. Q. 1970: South-east and central South Wales. *In* Lewis, C. A. (ed.): *The Glaciations of Wales and Adjoining Regions*, 197-227. Longman, London.
- Bowen, D. Q. 1982: Pleistocene deposits and fluvioglacial landforms of north Preseli. *In* Bassett, M. G. (ed.): *Geological Excursions in Dyfed, South-West Wales*. National Museum of Wales, Cardiff.
- Bradwell, T., 2005. Bedrock megagrooves in Assynt, NW Scotland. *Geomorphology*, 65(3), pp.195-204.
- Bradwell, T., 2013. Identifying palaeo-ice-stream tributaries on hard beds: Mapping glacial bedforms and erosion zones in NW Scotland. *Geomorphology*, 201, pp.397-414.
- Bradwell, T., Stoker, M. and Larter, R., 2007. Geomorphological signature and flow dynamics of The Minch palaeo-ice stream, northwest Scotland. *Journal of Quaternary Science*, 22(6), pp.609-617.
- Bradwell, T., Stoker, M.S., Golledge, N.R., Wilson, C.K., Merritt, J.W., Long, D., Everest, J.D., Hestvik, O.B., Stevenson, A.G., Hubbard, A.L. and Finlayson, A.G., 2008. The northern sector of the last British Ice Sheet: maximum extent and demise. *Earth-Science Reviews*, 88(3), pp.207-226.
- Bradwell, T., Fabel, D., Stoker, M., Mathers, H., McHargue, L. and Howe, J., 2008. Ice caps existed throughout the Lateglacial Interstadial in northern Scotland. *Journal of Quaternary Science*, 23(5), pp.401-407.
- Bradwell, T., Stoker, M. and Krabbendam, M., 2008. Megagrooves and streamlined bedrock in NW Scotland: the role of ice streams in landscape evolution. *Geomorphology*, 97(1), pp.135-156.
- Bradwell, T. and Stoker, M.S., 2015. Submarine sediment and landform record of a palaeo-ice stream within the British– Irish Ice Sheet. *Boreas*, 44(2), pp.255-276.
- Bradwell, T. and Stoker, M., 2015. Asymmetric ice-sheet retreat pattern around northern

- Scotland revealed by marine geophysical surveys. *Earth and Environmental Science Transactions of the Royal Society of Edinburgh*, 105(04), pp.297-322.
- Brandon, A. 1989: Geology of the Country between Hereford and Leominster. Memoir of the British Geological Survey.
- Brandon, A., Aitkenhead, N., Crofts, R. G., Ellison, R. A., Evans, D. J., & Riley, N. J. 1998: Geology of the country around Lancaster. Memoir of the British Geological Survey.
- Brazier, V., Gordon, J. E., Kirkbride, M. P., & Sugden, D. E. 1996: The late Devensian ice sheet and glaciers in the Cairngorm Mountains. In Glasser, N. F., and Bennett, M. R. (eds.): *The Quaternary of the Cairngorms, Field Guide*, 28-53. Quaternary Research Association, London.
- Brazier, V., Kirkbride, M. P., & Gordon, J. E. 1998: Active ice-sheet deglaciation and ice-dammed lakes in the northern Cairngorm Mountains, Scotland. *Boreas* 27, 297-310.
- Brooks, A.J., Bradley, S.L., Edwards, R.J., Milne, G.A., Horton, B. and Shennan, I., 2008. Postglacial relative sea-level observations from Ireland and their role in glacial rebound modelling. *Journal of Quaternary Science*, 23(2), pp.175-192.
- Brown, E. H., & Cooke, R. U. 1977: Landforms and related glacial deposits in the Wheeler Valley area, Clwyd. *Cambria* 4, 32-45.
- Brown, I. M. 1993: Pattern of Deglaciation of the Last (Late Devensian) Scottish Ice-Sheet - Evidence From Ice-Marginal Deposits in the Dee Valley, Northeast Scotland. *Journal of Quaternary Science* 8, 235-250.
- Brunskill, unpublished data cited in Mitchell, 1994.
- Bryant RH. 1977. Bantry to Waterville. In South and South West Ireland: *INQUA 1977 Guidebook for Excursion A15*, Lewis CA (ed.). Geo Abstracts: Norwich, UK; 23-29.
- Burgess, I. C., & Holliday, D. W. 1979: Geology for the country around Brough-under-Stainmore. Memoir of the British Geological Survey.
- Burgess, I. C., & Holliday, D. W. 1987: Geology of the country around Brough-under-Stainmore. Memoir of the British Geological Survey.
- Cameron, I. B., Aitken, A. M., Browne, M. A. E., & Stephenson, D. 1998: Geology of the Falkirk District. Memoir of the British Geological Survey.
- Cameron, T. D. J., Crosby, A., Balson, P. S., Jeffrey, D. H., Lott, G. K., Bulat, J., & Harrison, D. J. 1992: UK offshore regional report: *The geology of the southern North Sea*. 152pp. British Geological Survey, London.
- Catt, J. A. 1991a: Late Devensian glacial deposits and glaciations in eastern England and the adjoining offshore region. In Ehlers, J., Gibbard P. L., and Rose J. (eds.): *Glacial deposits in Great Britain and Ireland*, 61-68. Balkema, Rotterdam.
- Catt, J. A. 1991b: The Quaternary history and glacial deposits of East Yorkshire. In Ehlers, J., Gibbard P. L., and Rose J. (eds.): *Glacial deposits in Great Britain and Ireland*, 185-191. Balkema, Rotterdam.
- Charlesworth, J., K. 1924: The glacial geology of north-west Ireland' *Proceedings of the Royal Irish Adacamy*, 36B, 174-314.
- Charlesworth, J. K. (1926). The glacial geology of the Southern Uplands of Scotland, west of Annandale and upper Clydesdale. Transaction of the Royal Society of Edinburgh 60, 1-23

- Charlesworth, J.K. 1926: The readvance, marginal kame-moraine of the South of Scotland, and some later stages of retreat. *Transactions of the Royal Society of Edinburgh*, 55, 25-50.
- Charlesworth, J.K. 1928a. The glacial geology of North Mayo and West Sligo. *Proceedings of the Royal Irish Academy*, 38, 100-115.
- Charlesworth, J.K., 1928b. The glacial retreat from central and southern Ireland. *Quarterly Journal of the Geological Society*, 84(1-4), pp.293-344.
- Charlesworth, J. K. 1929a: The South Wales end moraine. *Quarterly Journal of the Geological Society of London* 85, 335-355.
- Charlesworth, J.K. 1929b. The Glacial Retreat from Central and Southern Ireland. *Proceedings of the Royal Irish Academy*, 39B, 95-106.
- Charlesworth JK (1939). Some observations on the glaciation of north-east Ireland. *Proceedings of the Royal Irish Academy* **45B**: 255-295
- Charlesworth JK (1953). *The Geology of Ireland*. Oliver and Boyd; Edinburgh.
- Charlesworth, J. K. 1957: *The Quaternary Era*. 1700 pp. Arnold, London.
- Clapperton, C. M. 1970: The evidence for a Cheviot ice cap. *Transactions of the Institute of British Geographers*, 29, 31-45.
- Clapperton, C. M. 1971a: The location and origin of glacial meltwater phenomena in the eastern Cheviot Hills. *Proceedings of the Yorkshire Geological Society* 38, 361-380.
- Clapperton, C. M. 1971b: The pattern of deglaciation in part of north Northumberland. *Transactions of the Institute of British Geographers* 53, 67-78.
- Clapperton, C. M. & Sudgen, D. E. 1975: The glaciation of Buchan: a reappraisal. In Gemmell, A. M. D. (ed.): *Quaternary studies in North East Scotland*, 19-22. University of Aberdeen/ Quaternary Research Association, Aberdeen.
- Clarhäll, A., & Kleman, J. 1999: Distribution and glaciological implications of relict surfaces on the Ultevis plateau, northwestern Sweden. *Annals of Glaciology*, 28, 202-208.
- Clark, R., & Wilson, P. 1994: Valley moraines in Borrowdale. In Boardman, J., & Walden, J. (eds.): *The Quaternary of Cumbria*, 153-156. Quaternary Research Association, Oxford.
- Clark, C.D. and Meehan, R.T., 2001. Subglacial bedform geomorphology of the Irish Ice Sheet reveals major configuration changes during growth and decay. *Journal of Quaternary Science*, 16(5), pp.483-496.
- Clark, C.D., Evans, D.J., Khatwa, A., Bradwell, T., Jordan, C.J., Marsh, S.H., Mitchell, W.A. and Bateman, M.D., 2004. Map and GIS database of glacial landforms and features related to the last British Ice Sheet. *Boreas*, 33(4), pp.359-375.
- Clark, C.D., Hughes, A.L., Greenwood, S.L., Spagnolo, M. and Ng, F.S., 2009. Size and shape characteristics of drumlins, derived from a large sample, and associated scaling laws. *Quaternary Science Reviews*, 28(7), pp.677-692.
- Clark, C.D., Hughes, A.L., Greenwood, S.L., Jordan, C. and Sejrup, H.P., 2012. Pattern and timing of retreat of the last British-Irish Ice Sheet. *Quaternary Science Reviews*, 44, pp.112-146.
- Colhoun, E.A., 1970. On the nature of the glaciation and final deglaciation of the Sperrin Mountains and adjacent areas in the North of Ireland. *Irish Geography*, 6(2), 162-185.

- Colhoun, E.A., 1971, January. The glacial stratigraphy of the Sperrin Mountains and its relation to the glacial stratigraphy of north-west Ireland. In *Proceedings of the Royal Irish Academy. Section B: Biological, Geological, and Chemical Science* (pp. 37-52). Royal Irish Academy.
- Colhoun, E.A., Dickson, J.H., McCabe, A.M. and Shotton, F.W. (1972). A Middle Midlandian freshwater series at Derryvree, Maguiresbridge, County Fermanagh, Northern Ireland. *Proceedings of the Royal Society of London, B.* 180, pp. 273-292.
- Connell, E. R., & Hall, A. M. 1987: The periglacial history of Buchan, north-east Scotland. In Boardman, J., (ed.): *Periglacial processes and landforms in Britain and Ireland*, 277-285. Cambridge University Press, Cambridge.
- Cooper, A. H., & Burgess, I. C. 1993: Geology for the country around Harrogate. Memoir of the British Geological Survey.
- Crimes, T. P., Chester, D. K., Hunt, N. C., Lucas, G. R., Mussett, A. E., Thomas, G. S. P., & Thompson, A. 1994: Techniques used in aggregate resource analyses of four areas in the UK. *Quarterly Journal of Engineering Geology* 27, 165-192.
- Crofts, R. G. 2005. Quaternary of the Rossendale Forest and Greater Manchester Field Guide. *Quaternary Research Association*, London
- Cross, P., & Hodgson, J. M. 1975: New evidence for the glacial diversion of the River Teme near Ludlow, Salop. *Proceedings of the Geologists Association* 86, 313-331.
- Cullen, C., 2012. Deciphering the geomorphic and sedimentary record of the last Irish Ice Sheet in NW Donegal, Ireland: implications for glacial dynamics and decay configurations (Doctoral dissertation).
- Dahl, S. O., Ballantyne, C. K., McCarroll, D., & Nesje, A. 1996: Maximum altitude of Devensian glaciation on the Isle of Skye. *Scottish Journal of Geology* 32, 107-115
- Davies, A., McAdam, A.D., Cameron, I.B., Elliot, R.W., Graham, D.K., Strachan, I., & Wilson, R.B. 1986: Geology of the Dunbar district. Memoir of the British Geological Survey.
- Davies, J.R., & 18 others, 1997: Geology of the country around Llanilar and Rhayader. Memoir of the British Geological Survey.
- Dawson, A. G. 1982: Lateglacial Sea-Level Changes and Ice-Limits in Islay, Jura and Scarba, Scottish Inner Hebrides. *Scottish Journal of Geology* 18, 253-265.
- Davison, S. 2004: Reconstructing the Last Pleistocene (Late Devensian) Glaciation on the Continental Margin of Northwest Britain, PhD Thesis, University of Edinburgh
- Day, J.B.W. 1970: Geology of the country around Bewcastle. Memoir of the British Geological Survey.
- Delany, C. 2001a. Esker formation and the Nature of Deglaciation: the Ballymahon Esker, Central Ireland. *North West Geography*, 1, 23-33.
- Delany, C. 2001b. Morphology and sedimentology of the Rooskagh esker, Co. Roscommon. *Irish Journal of Earth Sciences*, 19, 5-22.
- Delany, C. 2002. Sedimentology of a glaciofluvial landsystem, Lough Ree area, Central Ireland: implications of ice margin characteristics during Devensian deglaciation. *Sedimentary Geology*, 149, 111-126.
- Delaney, C., Crofts, R., Rhodes, E. and Jones, C., 2010, May. Evidence for former Glacial

- Lakes in the High Peaks and Rossendale Plateau areas, NW England. In *EGU General Assembly Conference Abstracts* (Vol. 12, p. 11084).
- Douglas, T. 1991: Glacial deposits of Northumbria. In Ehlers, J., Gibbard P. L., and Rose J. (eds.): *Glacial deposits in Great Britain and Ireland*, 169-174. Balkema, Rotterdam.
- Dunlop, P. 2004. *The characteristics of ribbed moraine and assessment of theories for their genesis*. Unpublished PhD Thesis. Department of Geography; University of Sheffield. pp. 363.
- Dunlop, P., Shannon, R., McCabe, M., Quinn, R. and Doyle, E., 2010. Marine geophysical evidence for ice sheet extension and recession on the Malin Shelf: New evidence for the western limits of the British Irish Ice Sheet. *Marine Geology*, 276(1), pp.86-99.
- Earp, J. R., & Taylor, B. J. 1986: Geology of the country around Chester and Winsford. Memoir of the British Geological Survey.
- Eastwood, T., Hollingworth, S. E., Rose, W. C. C., & Trotter, F. M. 1968: Geology of the country around Cockermouth. Memoir of the British Geological Survey.
- Edwards, W. 1938: The glacial geology (in the geology of the country around Harrogate). *Proceedings of the Geologists Association* 49, 333-343.
- Edwards, W., Mitchell, G. H., & Whitehead, T. H. 1950: Geology of the district north and east of Leeds. Memoirs of The British geological Survey.
- Ehlers, J., & Wingfield, R. 1991: The extension of the Late Weichselian / Late Devensian ice sheets in the North Sea basin. *Journal of Quaternary Science* 6, 313-326.
- Ellis-Gruffydd, I.D. 1977: Late Devensian glaciation in the upper Usk basin. *Cambria* 4, 46-55.
- Embleton, C. 1964: Subglacial drainage and supposed ice-dammed lakes in north-east Wales. *Proceedings of the Geologists Association* 75, 31-38.
- Embleton, C. 1970: North eastern Wales. In Lewis, C. A. (ed.): *The Glaciations of Wales and adjoining regions*, 59-82. Longman, London.
- Etienne, J.L., Jansson, K.N., Glasser, N.F., Hambrey, M.J., Davies, J.R., Waters, R.A., Maltman, A.J. and Wilby, P.R., 2006. Palaeoenvironmental interpretation of an ice-contact glacial lake succession: an example from the late Devensian of southwest Wales, UK. *Quaternary Science Reviews*, 25(7), pp.739-762.
- Evans, D. J. A. (ed.) 2003: The Quaternary of the Western Highland Boundary – Field Guide. Quaternary Research association, London.
- Evans, D.J.A., Thomson, S., Clark, C.D., 2001. The glacial history of east Yorkshire. In: Bateman, M.D., Buckland, P.C., Frederick, C.D., Whitehouse, N.J. (Eds.), *The quaternary of east Yorkshire and north Lincolnshire, field guide*. Quaternary Research Association, London, pp. 1 –12
- Evans, D.J. and Cofaigh, C.O., 2003. Depositional evidence for marginal oscillations of the Irish Sea ice stream in southeast Ireland during the last glaciation. *Boreas*, 32(1), pp.76-101.
- Evans, D.J., Clark, C.D. and Mitchell, W.A., 2005. The last British Ice Sheet: A review of the evidence utilised in the compilation of the Glacial Map of Britain. *Earth-Science Reviews*, 70(3), pp.253-312.
- Evans, D.J. and Thomson, S.A., 2010. Glacial sediments and landforms of Holderness,

- eastern England: a glacial depositional model for the North Sea Lobe of the British–Irish Ice Sheet. *Earth-Science Reviews*, 101(3), pp.147-189.
- Everest, J., Bradwell, T. and Golledge, N., 2005. Subglacial landforms of the tweed palaeo-ice stream. *The Scottish Geographical Magazine*, 121(2), pp.163-173.
- Everest, J. and Kubik, P., 2006. The deglaciation of eastern Scotland: cosmogenic 10Be evidence for a Lateglacial stillstand. *Journal of Quaternary Science*, 21(1), pp.95-104.
- Everest, J.D., Bradwell, T., Fogwill, C.J. and Kubik, P.W., 2006. Cosmogenic 10BE Age Constraints for The Wester Ross Readvance Moraine: Insights Into British Ice-Sheet Behaviour. *Geografiska Annaler: Series A, Physical Geography*, 88(1), pp.9-17.
- Farrington A (1936). The glaciation of the Bantry Bay district. *Scientific Proceedings of the Royal Dublin Society* 21: 345-361.
- Farrington, A., & Mitchell, G. F. 1951: The end moraine north of Flamborough Head. *Proceedings of the Geologists Association* 62, 100-106.
- Fairburn, W.A. and Bateman, M.D., 2016. A new multi-stage recession model for Proglacial Lake Humber during the retreat of the last British–Irish Ice Sheet. *Boreas*, 45(1), pp.133-151.
- Finch TF (1977). *Guidebook for Excursion C16: Western Ireland*. INQUA; Norwich.
- Finch, T.F. and Walsh, M. 1973. Drumlins of County Clare, *Proceedings of the Royal Irish Academy*, 73B, 405-413.
- Finlayson, A.G., 2012. Ice dynamics and sediment movement: last glacial cycle, Clyde basin, Scotland. *Journal of Glaciology*, 58(209), pp.487-500.
- Finlayson, A.G. and Bradwell, T., 2008. Morphological characteristics, formation and glaciological significance of Rogen moraine in northern Scotland. *Geomorphology*, 101(4), pp.607-617.
- Finlayson, A., Bradwell, T., Golledge, N. and Merritt, J., 2007. Morphology and significance of transverse ridges (De Geer Moraines) adjacent to the Moray Firth, NE Scotland. *Scottish Geographical Journal*, 123(4), pp.257-270.
- Finlayson, A., Merritt, J., Browne, M., Merritt, J., McMillan, A. and Whitbread, K., 2010. Ice sheet advance, dynamics, and decay configurations: evidence from west central Scotland. *Quaternary Science Reviews*, 29(7), pp.969-988.
- Finlayson, A., Fabel, D., Bradwell, T. and Sugden, D., 2014. Growth and decay of a marine terminating sector of the last British–Irish Ice Sheet: a geomorphological reconstruction. *Quaternary Science Reviews*, 83, pp.28-45.
- Fishwick, A. 1977: The Conway Basin. *Cambria* 4, 56-64.
- Flinn, D., 1978. The glaciation of the Outer Hebrides. *Geological Journal*, 13(2), pp.195-199.
- Flinn, D., 1978. The most recent glaciation of the Orkney-Shetland Channel and adjacent areas. *Scottish Journal of Geology*, 14(2), pp.109-123.
- Flinn, D. 1983: Glacial Meltwater Channels in the Northern Isles of Shetland. *Scottish Journal of Geology* 19, 311-320.
- Flint, R.F. 1930. The origin of the Irish “eskers.” *Geographical Review*, 20, 615-630.
- Floyd, J.D. 1999: Geology of the Carrick-Loch Doon District. Memoir of the British Geological Survey.
- Forsythe, I. H., Hall, I. H. S., & MacMillan, A.A. 1996: Geology of the Airdrie district.

Memoir of the British Geological Survey.

- Foster S.W. 1985: The Late Glacial and Post Glacial History of the Vale of Pickering and Northern Yorkshire Wolds. Unpublished PhD thesis, University of Hull
- Foster, H. D. 1970: Sarn Badrig, a sub-moraine in Cardigan Bay, north Wales. *Zeitschrift für Geomorphologie* 14, 475-486.
- Foster, S.S.D., Morigi, A.N., & Browne, M.A.E. 1999: Quaternary geology –towards meeting user requirements. British Geological Survey, Keyworth, Nottingham.
- Francis, E.H., Forsyth, I.H., Read, W.A. Armstrong, M., Dawson, J., Elliot, R.W., Harris, A.L., McQuillin, R., Taylor, J., & Wilson, R.B. 1970: Geology of the Stirling District. Memoir of the British Geological Survey.
- Frost, D. V. 1998: Geology of the country around Northallerton. Memoir of the British Geological Survey.
- Frost, D. V. & Holliday, D.W. 1980: The geology of the country around Bellingham. Memoir of the British Geological Survey.
- Fyfe, J. A., Long, D., & Evans, D. 1993: *UK offshore regional report: The geology of the Mull-Hebrides Sea area*. 91 pp. British Geological Survey, London.
- Gallagher, C., Thorp, M., Steenson, P., 1996. Glacier dynamics around Slieve Bloom, central Ireland. *Irish Geography* 29 (2), 67–82
- Gallagher C, Sutton G and Bell T (2004). Submerged ice marginal forms in the Celtic Sea off Waterford Harbour, Ireland. *Irish Geography* 37 (2): 145-165.
- Garrard, R. A., & Dobson, M. R. 1974: The nature and maximum extent of glacial sediments off the west coast of Wales. *Marine Geology* 16, 31-44.
- Gaunt, G. D. 1976: The Devensian maximum ice limit in the Vale of York. *Proceedings of the Yorkshire Geological Society* 40, 631-637.
- Gaunt, G. D. 1994: Geology of the country around Goole, Doncaster and the Isle of Axholme. Memoir of the British Geological Survey.
- Gaunt, G. D., Fletcher, T. P., & Wood, C.J. 1992: Geology of the country around Kingston upon Hull and Brigg. Memoir of the British Geological Survey.
- Geikie, A., Geikie, J., & Peach, B.N. 1869: Explanation of sheet 14: Ayrshire, southern district. Memoir of the British Geological Survey.
- Gemmell, A. M. D., & George P. K. 1972: The glaciation of the west Midlands: a review of recent research. *North Staffordshire Journal of Field Studies* 12, 1-20.
- George, T. N. 1970: British Regional Geology. South Wales (3rd Edition). British Geological Survey.
- Gibbons, W., & McCarroll, D. 1993: Geology of the country around Aberdaron and Bardsey Island. Memoir of the British Geological Survey.
- Gibson, P.J. 1993. Geological and Geomorphological Applications of Low-Angle Illumination Satellite Imagery in Northern Ireland, *Irish Geography*, 26, 1, 58-64.
- Glasser, N.F. and Smith, G.S., 1999. Glacial meltwater erosion of the Mid-Cheshire Ridge: implications for ice dynamics during the Late Devensian glaciation of northwest England. *Journal of Quaternary Science*, 14(7), pp.703-710.
- GLASSER, N.F., ETIENNE, J.L., HAMBREY, M.J., DAVIES, J.R., WATERS, R.A. and WILBY, P.R., 2004. Glacial meltwater erosion and sedimentation as evidence for

- multiple glaciations in west Wales. *Boreas*, 33(3), pp.224-237.
- Golledge, N., 2002. Glaci-tectonic deformation of proglacial lake sediments in the Cairngorm Mountains. *Scottish Journal of Geology*, 38(2), pp.127-136.
- Golledge, N.R., 2007. An ice cap landsystem for palaeoglaciological reconstructions: characterizing the Younger Dryas in western Scotland. *Quaternary Science Reviews*, 26(1), pp.213-229.
- Golledge, N.R. and Phillips, E., 2008. Sedimentology and architecture of De Geer moraines in the western Scottish Highlands, and implications for grounding-line glacier dynamics. *Sedimentary Geology*, 208(1), pp.1-14.
- Golledge, N.R. and Hubbard, A., 2005. Evaluating Younger Dryas glacier reconstructions in part of the western Scottish Highlands: a combined empirical and theoretical approach. *Boreas*, 34(3), pp.274-286.
- GOLLEDGE, N.R. and STOKER, M.S., 2006. A palaeo-ice stream of the British Ice Sheet in eastern Scotland. *Boreas*, 35(2), pp.231-243.
- Golledge, N.R., Finlayson, A., Bradwell, T. and Everest, J.D., 2008. The last glaciation of Shetland, north Atlantic. *Geografiska Annaler: Series A, Physical Geography*, 90(1), pp.37-53.
- Goodchild, J. C. 1875: The glacial phenomena of the Eden Valley and the Western part of the Yorkshire Dale district. *Quarterly Journal of the Geological Society of London* 31, 55-99.
- Goodchild, J. C. 1875: The glacial phenomena of the Eden Valley and the Western part of the Yorkshire Dale district. *Quarterly Journal of the Geological Society of London* 31, 55-99.
- Gordon, J. E. 1993a: The glaciation of Caithness. In Gordon, J. E., & Sutherland, D. G. (eds): *Quaternary of Scotland*, 87-91. Chapman and Hall, London.
- Gordon, J. E. 1993b: Littlemill. In Gordon, J. E., & Sutherland, D. G. (eds): *Quaternary of Scotland*, 181-184. Chapman and Hall, London.
- Gordon, J. E. 1993c: Carstairs kames. In Gordon, J. E., & Sutherland, D. G. (eds): *Quaternary of Scotland*, 544-549. Chapman and Hall, London.
- Gordon, J. E., & Auton, C. A. 1993: The Kildrummie kames. In Gordon, J. E., & Sutherland, D. G. (eds): *Quaternary of Scotland*, 176-181. Chapman and Hall, London.
- Graham, C., Stewart, H.A., Poulton, C.V.L. and James, J.W.C., 2001. A description of offshore gravel areas around the UK. *British Geological Survey Commissioned Report CR/01*, 259.
- Graham, A.G.C., Lonergan, L. and Stoker, M.S., 2007. Evidence for Late Pleistocene ice stream activity in the Witch Ground Basin, central North Sea, from 3D seismic reflection data. *Quaternary Science Reviews*, 26(5), pp.627-643.
- Greenwood, S.L., 2008. *A palaeo-glaciological reconstruction of the last Irish Ice Sheet* (Doctoral dissertation, University of Sheffield).
- Greenwood, S.L. and Clark, C.D., 2008. Subglacial bedforms of the Irish ice sheet. *Journal of Maps*, 4(1), pp.332-357.
- Greenwood, S.L. and Clark, C.D., 2009. Reconstructing the last Irish Ice Sheet 1: changing flow geometries and ice flow dynamics deciphered from the glacial landform

- record. *Quaternary Science Reviews*, 28(27), pp.3085-3100.
- Greenwood, S.L. and Clark, C.D., 2009. Reconstructing the last Irish Ice Sheet 2: a geomorphologically-driven model of ice sheet growth, retreat and dynamics. *Quaternary Science Reviews*, 28(27), pp.3101-3123.
- Greenwood, S.L. and Clark, C.D., 2010. The sensitivity of subglacial bedform size and distribution to substrate lithological control. *Sedimentary Geology*, 232(3), pp.130-144.
- Gregory, 1920. The Irish Eskers. *Philosophical Transactions of the Royal Society of London*, B, 210, 115-151.
- Gresswell, R. K. 1952: The glacial geomorphology of the southern part of the Lake District. *Liverpool and Manchester Geological Journal* 1, 57-70.
- Gresswell, R. K. 1967: The geomorphology of Fylde. In Steel, R. W., & Lawton, R. eds.): Liverpool essays in geography, 25-42. University of Liverpool, London.
- Grieg, D. C., Wright, J. E., Hains, B. A., & Mitchell, G. H. 1967: Geology of the country around Church Stretton, Craven Arms, Wenlock Edge and Brown Clee. Memoir of the British Geological Survey.
- Gaunt, G. D. 1994: Geology of the country around Goole, Doncaster and the Isle of Axholme. 169 pp. Memoir of the British Geological Survey. HMSO, London.
- Hall, A.M., 2013. The last glaciation of Shetland: local ice cap or invasive ice sheet?. *Norwegian Journal of Geology*.
- Hall, A. M., & Bent, A. J. A. 1990: The limits of the last British ice sheet in northern Scotland and the adjacent shelf. *Quaternary Newsletter* 61, 2-12.
- Hall, I. H. S., Browne, M. A. E., & Forsyth, I.H. 1998: Geology of the Glasgow district. Memoir of the British Geological Survey.
- Hall, A.M. and Glasser, N.F., 2003. Reconstructing the basal thermal regime of an ice stream in a landscape of selective linear erosion: Glen Avon, Cairngorm Mountains, Scotland. *Boreas*, 32(1), pp.191-207.
- Hall, A.M., Auton, C.A., Michie, U.M., Pearson, S.G. and Riding, J.B., 2011. Switching flow patterns within the last ice sheet in northern Scotland. *Scottish Journal of Geology*, 47(2), pp.157-167.
- Hambrey, M. J., Davies, J. R., Glasser, N. F., Waters, R. A., Dowdeswell, J. A., Wilby, P. R., Wilson, D., & Etienne, J. L. 2001: Devensian glaciogenic sedimentation and landscape evolution in the Cardigan area of southwest Wales. *Journal of Quaternary Science* 16, 455-482.
- Harmer, F.W. 1928: The distribution of erratics and drift. *Proceedings of the Yorkshire Geological Society* 21, 79-150.
- Harrod, T.R. 1972: An investigation of major events in the geomorphological evolution of south and central Kesteven. Unpublished PhD thesis, University of Sheffield.
- Hegarty S (2002a). *Pathways and processes of Late Pleistocene subglacial meltwater flows, County Kilkenny*. Unpublished PhD thesis. Department of Geography; University College, Dublin. pp377.
- Hegarty S (ed.) (2002b). *The Quaternary of Kilkenny. Irish Quaternary Association Field Guide No 24. Irish Quaternary Association; Dublin*.
- Hiemstra, J.F., Evans, D.J., Scourse, J.D., McCarroll, D., Furze, M.F. and Rhodes, E., 2006.

- New evidence for a grounded Irish Sea glaciation of the Isles of Scilly, UK. *Quaternary Science Reviews*, 25(3), pp.299-309.
- Hiemstra, J.F., Shakesby, R.A. and Vieli, A., 2015. Late Quaternary glaciation in the Hebrides sector of the continental shelf: was St Kilda overrun by the British-Irish Ice Sheet?. *Boreas*, 44(1), pp.178-196.
- Hill, A.R. 1973. The distribution of drumlins in County Down, Ireland. *Annals of the Association of American Geographers*, 63, 2, pp. 226-240.
- Holden, W.G. 1977: The glaciation of central Ayrshire. Unpublished PhD thesis, University of Glasgow, 486pp.
- Hollingworth, S. E. 1931: Glaciation of western Edenside and adjoining areas and the drumlins of the Edenside and Solway Basin. *Quarterly journal of the Geological Society of London* 87, 281-359.
- Howarth, J. H. 1908: The ice-borne boulders of Yorkshire. *The Naturalist* April, 143-146
- Howarth, J. H. 1908: The ice-borne boulders of Yorkshire. *The Naturalist* June, 219-224
- Howarth, J. H. 1908: The ice-borne boulders of Yorkshire. *The Naturalist* July, 245-252
- Howarth, J. H. 1908: The ice-borne boulders of Yorkshire. *The Naturalist* March, 97-109
- Howe, J.A., Anderton, R., Arosio, R., Dove, D., Bradwell, T., Crump, P., Cooper, R. and Cocuccio, A., 2015. The seabed geomorphology and geological structure of the Firth of Lorn, western Scotland, UK, as revealed by multibeam echo-sounder survey. *Earth and Environmental Science Transactions of the Royal Society of Edinburgh*, 105(04), pp.273-284.
- Huddart, D. 1991: The glacial history and glacial deposits of the north and west Cumbrian lowlands. In Ehlers, J., Gibbard P. L., and Rose J. (eds.): *Glacial deposits in Great Britain and Ireland*, 151-167. Balkema, Rotterdam.
- Huddart, D. 1999: Supraglacial trough fills, southern Scotland: origins and implications for deglacial processes. Rp04. *Glacial Geology and Geomorphology*, electronic journal (<http://boris.qub.ac.uk/ggg>), Queens University, Belfast.
- Huddart, D., & Bennett, M. R. 1997: The Carstairs Kames (Lanarkshire, Scotland): morphology, sedimentology and formation. *Journal of Quaternary Science* 12, 467-484.
- Hughes, A.L.C., 2009. The last British Ice Sheet: a reconstruction based on glacial landforms.
- Hughes, A.L., Clark, C.D. and Jordan, C.J., 2010. Subglacial bedforms of the last British Ice Sheet. *Journal of Maps*, 6(1), pp.543-563.
- Jansson, K.N. and Glasser, N.F., 2008. Modification of peripheral mountain ranges by former ice sheets: The Brecon Beacons, Southern UK. *Geomorphology*, 97(1), pp.178-189.
- Johnson, R. H. 1965a: Glacial geomorphology of the west Pennine slopes between Cliviger and Congleton. In Whittow, J. B., and Wood, P. D. (eds.): *Essays in Geography for A.A. Miller*, 58-94. Reading University Press, Reading.
- Johnson, R. H. 1965b: The origin of the Churnet and Rudyard Valleys. North Staffordshire Journal of Field Studies 5, 95-105.
- Johnson, H., Richards, P. C., Long, D., & Graham, C. C. 1993: UK offshore regional report: The geology of the northern North Sea. British Geological Survey.

- Jordan, C.J. (1997) Quaternary geology mapping in the Republic of Ireland - how much can be achieved through satellite remote sensing? Twelfth International Conference and Workshops on Applied Geologic Remote Sensing. Denver, Colorado.
- Jordan CJ (2002). *An holistic approach to mapping the Quaternary Geology and reconstructing the last glaciation of West County Mayo, Ireland, using satellite remote sensing and 'conventional' mapping techniques*. Unpublished PhD thesis. Queen Mary, University of London.
- Jowett, A. 1914: The glacial geology of East Lancashire. *Quarterly Journal of the Geological Society of London* 70.
- Jowett, A., & Charlesworth, J. K. 1929: The glacial geology of the Derbyshire Dome and western slopes of the southern Pennines. *Journal of the Geological Society of London* 85, 307-334.
- Kendall, P. F. 1902: Glacier-Lakes in the Cleveland Hills. *Quarterly Journal of the Geological Society*, lviii, 471-571.
- Kendall, P. F. 1903: The glacier Lakes of Cleveland. *Proceedings of the Yorkshire Geological Society*. 15, 1-40.
- Kilfeather AA (2004). *Glaciation, deformation and till porosity: County Laois, Ireland*. Unpublished PhD thesis. Department of Geography; Queen Mary, University of London.
- Kinahan, G.H., 1883. Notes on the Cervus Megaceros. *Transactions of the Edinburgh Geological Society*, 4(3), pp.343-345.
- King C.A.M. and Gage, M. (1961). Note on the extent of glaciation in part of West Kerry. *Irish Geography*, 4, pp.202-208.
- Knight, J. 1997. Morphological and morphometric analyses of drumlin bedforms in the Omagh Basin, north central Ireland. *Geografiska Annaler*, 79A, 255-266.
- Knight, J. 1999. Problems of Irish drumlins and Late Devensian ice sheet reconstructions. *Proceedings of the Geologists' Association*, 110, pp. 9-16.
- Knight, J. 2002. Bedform Patterns, subglacial meltwater events, and Late Devensian ice sheet dynamics in north-central Ireland. *Global Planetary Change*, 35, 237-253.
- Knight, J. 2003a. Geomorphic and sedimentary evidence for patterns of late Midlandian ice retreat in the Tempo Valley, north-central Ireland. *Global and Planetary Change*, 35, pp. 237-253.
- Knight, J. 2003b. Geomorphic evidence for patterns of late Midlandian ice advance and retreat in the Omagh Basin. *Irish Geography*, 36, 1, pp. 1-22.
- Knight, J. 2006. Geomorphic evidence for active and inactive phases of Late Devensian ice in north-central Ireland. *Geomorphology*, 75, pp. 4-19.
- Knight, J., McCarron, S.G. and McCabe, A.M. 1999, Landform modification by palaeo-ice streams in east-central Ireland. *Annals of Glaciology*, 28, 161-167.
- Knowles, A. 1985: The Quaternary history of north Staffordshire. In Johnson, R. H. (ed.): *The Geomorphology of north west England*. Manchester University Press, Manchester.
- Lamb, A. L. & Ballantyne, C. K. 1998: Paleonunataks and the altitude of the last ice sheet in the south-west Lake District, England. *Proceedings of the Geologists Association* 109, 305-316.

- Lawson, T. J. 1995: Boulder trains as indicators of former ice flow in Assynt, NW Scotland. *Quaternary Newsletter* 75, 15-21.
- Letzer, J. M. 1978. The Glacial Geomorphology of the region bounded by Shap Fells, Stainmore, and the Howgill Fells in East Cumbria. Unpublished Mphil thesis, University of London.
- Letzer, J. M. 1987: Drumlins of the southern Vale of Eden. In Ehlers, J., Gibbard P. L., & Rose J. (eds.): *Glacial deposits in Great Britain and Ireland*, 323-334. Balkema, Rotterdam.
- Lewis, C. A. 1970: The upper Wye and Usk regions. In Lewis, C. A. (ed.): *The Glaciations of Wales and Adjoining Regions*, 147-173. Longman, London.
- Lewis, C.A. and Richards, A.E. eds., 2005. The glaciations of Wales and adjacent areas. Logaston Press.
- Lintern, B.C. 2001: Geology of the Kircudbright-Dalbeattie District. Memoir of the British Geological Survey
- Livingstone, S.J., Cofaigh, C.Ó. and Evans, D.J., 2008. Glacial geomorphology of the central sector of the last British-Irish Ice Sheet. *Journal of Maps*, 4(1), pp.358-377.
- Livingstone, S.J., Roberts, D.H., Davies, B.J., Evans, D.J., Ó Cofaigh, C. and Gheorghiu, D.M., 2015. Late Devensian deglaciation of the Tyne Gap Palaeo-Ice Stream, northern England. *Journal of Quaternary Science*, 30(8), pp.790-804.
- Luckman, B. B. 1970: The Hereford basin. In Lewis, C. A. (ed.): *The Glaciations of Wales and Adjoining Regions*, 175-196. Longman, London.
- Lunn, A. G. 1980: Quaternary. In Robson, D. A. (ed.): The Geology of North East England, 48-60. Special Publication, Natural History Society of Northumberland.
- Mackintosh, F.G.S. circa 1880. Map: Showing the positions, Limits and Directions of Dispersion, and intercrossing of the Courses of the Boulders of the W. of Endland and Eastern Part of N. Wales.
- Mathers, H. 2014: The impact of the Minch palaeo-ice stream in NW Scotland: Constraining glacial erosion and landscape evolution through geomorphology and cosmogenic nuclide analysis. PhD thesis. University of Glasgow
- Marshall, S.J. & Clarke, G.K.C. 1999: Modeling North American freshwater runoff through the last glacial cycle. *Quaternary Research* 52, 300-315.
- McAdam, A.D., Tulloch, W., Elliot, R.W., Floyd, J.D., Wilson, R.B., & Graham, D.K. 1985: Geology of the Haddington district. Memoir of the British Geological Survey.
- McCabe, A.M. 1971: The glacial geomorphology of eastern counties Meath and Louth, eastern Ireland. Unpublished PhD thesis. Dublin: Trinity College Dublin.
- McCabe, A.M., 1972. Directions of late-Pleistocene ice-flows in eastern counties Meath and Louth, Ireland. *Irish Geography*, 6(4), pp.443-461.
- McCabe, A.M., 1985. Glacial geomorphology. *The Quaternary History of Ireland*, pp.67-93.
- McCabe AM (1993). The 1992 Farrington Lecture: Drumlin Bedforms and Related Ice-Marginal Depositional Systems in Ireland. *Irish Geography* 26 (1): 22-44.
- McCabe, A.M., 1995, Chapter in Wilson, P., ed. *North-West Donegal*, 96 pp. Irish Association for Quaternary Studies.
- McCabe, A.M., 2008. Glacial geology and geomorphology: the landscapes of Ireland.

Dunedin Academic PressLtd.

- McCabe, A.M. and Ó Cofaigh.C., 1994. Sedimentation in a subglacial lake, Enniskerry, eastern Ireland. *Sedimentary Geology*, 91, pp.57-95.
- McCabe, A.M. and Ó Cofaigh, C., 1996. Upper Pleistocene facies sequences and relative sea-level trends along the south coast of Ireland. *Journal of Sedimentary Research*, 66(2), pp.376-390.
- McCabe, A.M. Knight, J. and McCarron, S.G. (1999). Ice-flow stages and glacial bedforms in north central Ireland: a record of rapid environmental change during the last glacial termination. *Journal of the Geological Society, London*, 156, pp. 63-72.
- McCabe, A.M., Clark, P.U., Clark, J. and Dunlop, P., 2007. Radiocarbon constraints on readvances of the British-Irish Ice Sheet in the northern Irish Sea Basin during the last deglaciation. *Quaternary Science Reviews*, 26(9), pp.1204-1211.
- McCarroll, D. 1991: Ice directions in western Lleyn and the status of the Gwynedd readvance of the last Irish Sea glacier. *Geological Journal* 26, 137-143.
- McCarroll, D. 1995: Geomorphological evidence from the Lleyn Peninsula constraining models of the magnitude and rate of isostatic rebound during deglaciation of the Irish Sea Basin. *Geological Journal* 30, 157-163.
- McCarroll, D., & Ballantyne, C. K. 2000: The last ice sheet in Snowdonia. *Journal of Quaternary Science* 15, 765-778
- McLellan, A. G. 1969: The last glaciation and deglaciation of central Lanarkshire. *Scottish Journal of Geology* 5, 248-268.
- Meehan RT. 1998. The Quaternary Geology and last glaciation and deglaciation of northwest Meath and adjacent parts of Westmeath and Cavan. Unpublished PhD thesis, National University of Ireland, Dublin; 504 pp.
- Meehan RT. 1999a. Directions of ice flow during the last glaciation in counties Meath, Westmeath and Cavan, Ireland. *Irish Geography* 32(1): 26–51.
- Meehan RT. 1999b. Investigating the Irish Drumlin Readvance Theory. Poster presented to ‘Extent and Chronology of Glaciation Symposium’ at the XV INQUA Congress, Durban, South Africa. Abstracts Volume.
- Meehan, 2013: The Merging of Quaternary Map Datasets, Report for the Geological Survey of Ireland. 107 pp.
- Memoir of the British Geological Survey, 1999, Geology of Loch Doon-Carrick district
- Merritt, J. W., Auton, C. A., & Firth, C. R. 1995: Ice-Proximal Glaciomarine Sedimentation and Sea-Level Change in the Inverness Area, Scotland - a Review of the Deglaciation of a Major Ice Stream of the British Late Devensian Ice-Sheet. *Quaternary Science Reviews* 14, 289-329.
- Miller H, Cotterill CJ & Bradwell T (2014) Glacial and paraglacial history of the Troutbeck Valley, Cumbria, UK: Integrating airborne LiDAR, multibeam bathymetry, and geological field mapping, *Proceedings of the Geologists' Association*, 125 (1), pp. 31-40.
- Mills, D. A. C., & Hull, J. H. 1976: Geology of the country around Barnard Castle. Memoir of the British Geological Survey.
- Mills, D.A.C., Hull, J.H., 1976. Geology of the country around Barnard castle. HMSO,

London.

- Mitchell, W. A. 1991: Dimlington Stadial ice sheet in the Western Pennines. In Mitchell, W. A. (ed.): *Western Pennines: Field Guide*, 25-42. Quaternary Research Association, London.
- Mitchell, W.A. 1994: Drumlins in ice-sheet reconstructions, with reference to the western Pennines, northern England. *Sedimentary Geology* 91, 313-331.
- Mitchell, W.A., 2007. Reconstructions of the Late Devensian (Dimlington Stadial) British-Irish Ice Sheet: the role of the upper Tees drumlin field, north Pennines, England. *Proceedings of the Yorkshire Geological Society*, 56(4), pp.221-234.
- Mitchell, W. A., & Buggie, T. 1991: Bluecaster. In Mitchell, W. A. (ed.): *Western Pennines: Field Guide*, 91-93. Quaternary Research Association, London.
- Mitchell, W.A. and Riley, J.M., 2006. Drumlin map of the Western Pennines and southern Vale of Eden, northern England, UK. *Journal of Maps*, 2(1), pp.10-16.
- Moseley, F., & Walker, D. 1952: Some aspects of the Quaternary period in north Lancashire. *The Naturalist*, 41-54.
- Moseley, F., & Walker, D. 1952: Some aspects of the Quaternary period in north Lancashire. *The Naturalist*, 41-54.
- Murdoch, W. 1975: The geomorphology and the glacial deposits of the area around Aberdeen. In Gemmell, A. M. D. (ed.): *Quaternary studies in North East Scotland*, 14-18. University of Aberdeen/Quaternary Research Association, Aberdeen
- Murton, D.K. and Murton, J.B., 2012. Middle and Late Pleistocene glacial lakes of lowland Britain and the southern North Sea Basin. *Quaternary International*, 260, pp.115-142.
- NIREX. 1997: The Quaternary of the Sellafield area. UK NIREX Ltd
- Orme, A.R. 1967. Drumlins and the Weichsel Glaciation of Connemara. *Irish Geography*, 5, pp. 262-274.
- Palmer, J. 1967: Landforms. In Beresford, M. W., & Jones, G. R. J., (eds.): *Leeds and its region*, 16-29. Arnold and Sons, Leeds.
- Parkes, M., Meehan, R. and Preteseille, S. *The Geological Heritage of Waterford*, Report for the Irish Geological Heritage Programme.
- Paterson, I. B., Hall, I. H. S., & Stephenson, D. 1990: Geology of the Greenock District. Memoir of the British Geological Survey.
- Paterson, I. B., McAdam, A. D., & MacPherson, K.A.T. 1998: Geology of the Hamilton district. Memoir of the British Geological Survey.
- Patton, H., Hubbard, A., Glasser, N.F., Bradwell, T. and Golledge, N.R., 2013. The last Welsh Ice Cap: Part 1—Modelling its evolution, sensitivity and associated climate. *Boreas*, 42(3), pp.471-490.
- Patton, H., Hubbard, A., Glasser, N.F., Bradwell, T. and Golledge, N.R., 2013. The last Welsh Ice Cap: Part 2—Dynamics of a topographically controlled icecap. *Boreas*, 42(3), pp.491-510.
- Patton, H., Hubbard, A., Bradwell, T., Glasser, N.F., Hambrey, M.J. and Clark, C.D., 2013. Rapid marine deglaciation: asynchronous retreat dynamics between the Irish Sea Ice Stream and terrestrial outlet glaciers. *Earth Surface Dynamics*, 1(1), p.53.
- Peacock, J. D. 1968: Geology of the Elgin District. Memoir of the British Geological

Survey.

- Peacock, J. D. 1984: Quaternary geology of the Outer Hebrides. Memoir of the British Geological Survey.
- Peacock, J. D., Austin, W. E. N., Selby, I., Graham, D. K., Harland, R., & Wilkinson, I. P. 1992: Late Devensian and Flandrian paleoenvironmental shelf west of the Outer Hebrides. *Journal of Quaternary Science* 7, 145-161.
- Peacock, J. D., & Merritt, J. W. 1997: The Tynacoille-Blackrock ridge: a possible ice front position for the glacier ice occupying Loch Indaal. In Dawson, A. G., and Dawson, S. (eds.): *The Quaternary of Islay and Jura: Field Guide*, Quaternary Research Association, Cambridge.
- Penny, L. F., & Rawson, P. F. 1969: Field meeting in East Yorkshire and North Lincolnshire. *Proceedings of the Geologists Association* 80, 193-218.
- Peters, J.L., Benetti, S., Dunlop, P. and Cofaigh, C.Ó., 2015. Maximum extent and dynamic behaviour of the last British-Irish Ice Sheet west of Ireland. *Quaternary Science Reviews*, 128, pp.48-68.
- Phillips, E., Everest, J. and Diaz-Doce, D., 2010. Bedrock controls on subglacial landform distribution and geomorphological processes: Evidence from the Late Devensian Irish Sea Ice Stream. *Sedimentary Geology*, 232(3), pp.98-118.
- Pinson, L.J., Vardy, M.E., Dix, J.K., Henstock, T.J., Bull, J.M. and MacLachlan, S.E., 2013. Deglacial history of glacial lake Windermere, UK: implications for the central British and Irish Ice Sheet. *Journal of Quaternary Science*, 28(1), pp.83-94.
- Pocock, T. I. 1940: Glacial drift and river terraces of the Herefordshire Wye. *Zeitschrift fur Gletscherkunde* 27, 98-117.
- Powell, J. H., Cooper, A. H., & Benfield, A. C. 1992: Geology of the country around Thirsk. Memoir of the British Geological Survey.
- Price, R. J. 1960: Glacial meltwater channels in the upper Tweed drainage basin. *Geographical Journal* 126, 485-489.
- Price, R. J. 1963: A glacial meltwater drainage system in Peeblesshire, Scotland. *Scottish Geographical Magazine* 79, 133-141.
- Price, R. J. 1983: *Scotland's environment during the last 30,000 years*. Scottish University Press, Glasgow.
- Radge, G.W. 1939: The glaciation of North Clevedon. *Proceedings of the Yorkshire Geology Society* 24, 180 – 205.
- Rae, A.C., Harrison, S., Mighall, T. and Dawson, A.G., 2004. Periglacial trimlines and nunataks of the Last Glacial Maximum: the Gap of Dunloe, southwest Ireland. *Journal of Quaternary Science*, 19(1), pp.87-97.
- Raistrick, A. 1926: The glaciation of Wensleydale, Swaledale and the adjoining parts of the Pennines. *Proceedings of the Yorkshire Geological Society* 20, 366-410.
- Raistrick, A. 1931: The glaciation of Wharfdale, Yorkshire. *Proceedings of the Yorkshire Geological Society* 22, 9-30.
- Raistrick, A. 1933: The glacial and post-glacial periods in West Yorkshire. *Proceedings of the Geologists Association* 44, 263-269.
- Rees, J. G., & Wilson, A. A. 1998: Geology of the Country around Stoke-on-Trent. Memoir

of the British Geological Survey.

- Richards, A.E., 2005. Herefordshire. *The Glaciations of Wales and Adjacent Areas*, pp.129-144.
- Roberts, D.H., Dackombe, R.V. and Thomas, G.S., 2007. Palaeo-ice streaming in the central sector of the British—Irish Ice Sheet during the Last Glacial Maximum: evidence from the northern Irish Sea Basin. *Boreas*, 36(2), pp.115-129.
- Robinson, M., & Ballantyne, C. K. 1979: Evidence for the glacial readvance pre-dating the Loch Lomond advance in Wester Ross. *Scottish Journal of Geology* 15, 271-277.
- Rolfe, C.J., Hughes, P. and Brown, A.G., 2014. Timing of the maximum extent of Late Pleistocene glaciation in NW Europe: Evidence from Lundy. *Journal of the Lundy Field Society*, 4, pp.1-14.
- Rose, J. 1980: Landform development around Kidson, Upper Swaledale, Yorkshire. *Proceedings of the Yorkshire Geological Society* 43, 201-219.
- Rose, J. 1981a: Field guide to the Quaternary geology of the southeastern part of the Loch Lomond basin. *Proceedings of the Geological Society of Glasgow* 123, 12-28.
- Rose, J. 1981b: Field guide to the Quaternary geology of the southeastern part of the Loch Lomond basin. *Proceedings of the Geological Society of Glasgow* 123, 3-19.
- Rose, J. 1987: Drumlins as part of a glacier bedform continuum. In Menzies, J., & Rose, J. (eds.): *Drumlin Symposium*, 103-116. Balkema, Rotterdam.
- Rose, J. & Letzer, J. M. 1977: Superimposed drumlins. *Journal of Glaciology* 18, 471-480.
- Rose, J. and Smith, M.J., 2008. Glacial geomorphological maps of the Glasgow region, western central Scotland. *Journal of Maps*, 4(1), pp.399-416.
- Russell, A. J. 1995: Late Devensian meltwater movement and storage within the Ochil Hills, Central Scotland. *Scottish Journal of Geology* 31, 65-78.
- Salt, K. E. 2001: Palaeo ice sheet dynamics and depositional settings of the Late Devensian Ice Sheet in South West Scotland. Unpublished PhD thesis, University of Glasgow. pp331.
- Scourse, J.D., & Furze, M.F.A. 2001: A critical review of the glaciomarine model for Irish sea deglaciation: evidence from southern Britain, the Celtic shelf and adjacent continental slope. *Journal of Quaternary Science* 16, 419-434.
- Scourse, J.D. and McCarroll, D., 2006. Late Devensian glaciation in the Isles of Scilly: testing the hypothesis.
- Sejrup, H.P., Hjelstuen, B.O., Dahlgren, K.T., Haflidason, H., Kuijpers, A., Nygård, A., Praeg, D., Stoker, M.S. and Vorren, T.O., 2005. Pleistocene glacial history of the NW European continental margin. *Marine and Petroleum Geology*, 22(9), pp.1111-1129.
- Sissons, J. B. 1958a: Supposed ice-dammed lakes in Britain, with particular reference to the Eddleston Valley, southern Scotland. *Geografiska Annaler* 40, 159-187.
- Sissons, J. B. 1958b: The deglaciation of part of East Lothian. *Publications of the Institute of British Geographers* 25, 59-77.
- Sissons, J. B. 1958c: Subglacial stream erosion in southern Northumberland. *Scottish Geographical Magazine* 74, 164-174.
- Sissons, J. B. 1960: Some aspects of glacial drainage channels in Britain, Part I. *Scottish Geographical Magazine* 76, 131-146.

- Sissons, J. B. 1961a: Some aspects of glacial drainage channels in Britain, Part II. *Scottish Geographical Magazine* 77, 15-36.
- Sissons, J. B. 1961b: A subglacial drainage system by the Tinto Hills, Lanarkshire. *Transactions of the Edinburgh Geological Society* 18, 175-193.
- Sissons, J. B. 1963a: The Perth readvance in central Scotland. Part I. *Scottish Geographical Magazine* 79, 151-163.
- Sissons, J. B. 1963b: The glacial drainage system around Carlops, Peeblesshire. *Publications of the Institute of British Geographers* 32, 95-111.
- Sissons, J. B. 1967: *The evolution of Scotland's scenery*. 259 pp. Oliver and Boyd, Edinburgh.
- Sissons, J. B. 1976: *The geomorphology of the British Isles: Scotland*. 150 pp. Methuen, London.
- Sissons, J. B. 1979a: The limit of the Loch Lomond Advance in Glen Roy and vicinity. *Scottish Journal of Geology* 15, 31-42.
- Sissons, J. B. 1979b: The Loch Lomond Stadial in the British Isles. *Nature* 280, 198-203.
- Small, D., Rinterknecht, V., Austin, W., Fabel, D. and Miguens-Rodriguez, M., 2012. In situ cosmogenic exposure ages from the Isle of Skye, northwest Scotland: implications for the timing of deglaciation and readvance from 15 to 11 ka. *Journal of Quaternary Science*, 27(2), pp.150-158.
- Smith, B. 1932: The glacier lakes of Eskdale, Mitterdale and Wasdale, Cumberland; and the retreat of the ice during the main glaciation. *Quarterly journal of the Geological Society of London* 88, 57-83.
- Smith, D. B. 1994: Geology of the country around Sunderland. Memoir of the British Geological Survey.
- Smith, D. B., & Francis, E. A. 1967: Geology of the country between Durham and West Hartlepool. Memoir of the British Geological Survey.
- Smith, R.A., & Kimbell, G.S. 1999: Geology of the New Cumnock district. Memoir of the British Geological Survey.
- Stoker, M. S. 1988: Pleistocene ice-proximal glaciomarine sediments in boreholes from the Hebrides Shelf and Wyville-Thomson Ridge, NW UK Continental-Shelf. *Scottish Journal of Geology* 24, 249-262.
- Stoker, M. S., Hitchen, K., & Graham, C. C. 1993: UK offshore regional report: The geology of the Hebrides and the West Shetland shelves and adjacent deep water areas. British Geological Survey HMSO, London.
- Stoker, M.S., Long, D. Bulat, J. and Davison, S. 20006: Seismic geomorphology and Pleistocene ice limits off northwest Britain. In *Glacier science and Environmental change*, Knight P.G. (Ed.), Blackwell, Cambridge.
- Stoker, M.S., Bradwell, T., Wilson, C., Harper, C., Smith, D., Brett, C., 2006. Pristine fjord landsystem revealed on the sea bed in the Summer Isles region, NW Scotland. *Scottish Journal of Geology* 42, 89–99.
- Stoker, M.S., Bradwell, T., Howe, J.A., Wilkinson, I.P. and McIntyre, K., 2009. Lateglacial ice-cap dynamics in NW Scotland: evidence from the fjords of the Summer Isles region. *Quaternary Science Reviews*, 28(27), pp.3161-3184.

- Straw, A. 1960: The limit of the last glaciation in North Norfolk. *Proceedings of the Geologists Association* 71, 379-390.
- Straw, A. 1961: Drifts, meltwater channels and ice margins in the Lincolnshire Wolds. *Transactions of the Institute of British Geographers* 29, 115-128.
- Straw, A. 1969: Pleistocene events in Lincolnshire: a survey and revised nomenclature. *Transactions of the Lincolnshire Naturalists' union* 17, 85-98.
- Straw, A. 1979: The Devensian glaciation. In Straw, A., & Clayton, K. M. (eds.): *The geomorphology of the British Isles: Eastern and Central England*. 21-45 pp. Methuen, London.
- Sugden, D.E. 1968: The selectivity of glacial erosion in the Cairngorm Mountains, Scotland. *Transactions of the Institute of British Geographers* 45, 79-92.
- Sugden, D.E., Glasser, N. and Clapperton, C.M., 1992. Evolution of large roches moutonnées. *Geografiska Annaler. Series A. Physical Geography*, pp.253-264.
- Sugden, D. E. & Clapperton, C. M. 1975: The deglaciation of upper Deesside and the Cairngorm mountains. In Gemmell, A. M. D. (ed.): *Quaternary studies in North East Scotland*, 30-37. University of Aberdeen / Quaternary Research Association, Aberdeen.
- Sutherland, D. G. 1981: The rashed shorelines and deglaciation of the Loch Long / Fyne area, Western Scotland. Unpublished PhD Thesis, Univeristy of Edinburgh. 460 pp.
- Sutherland, D. G. 1984: The Quaternary deposits and landforms of Scotland and the neighbouring shelves: a review. *Quaternary Science Reviews* 3, 157-254.
- Sutherland, D. G., Ballantyne, C. K., & Walker, M. J. C. 1984: Late Quaternary Glaciation and Environmental-Change on St-Kilda, Scotland, and their paleoclimatic significance. *Boreas* 13, 261-272.
- Synge, F. M. 1963. The Glaciation of Nephin Beg Range, County Mayo. *Irish Geography*, 4, 397-403.
- Synge, F. M. 1966: The relationship of the raised strandlines and main end moraines on the Isle of Mull, and the district of Lorne, Scotland. *Proceedings of the Geologists Association* 77, 315-328.
- Synge, F.M. 1968. The Glaciation of West Mayo. *Irish Geography*, 5, pp. 372-386.
- Synge, F.M., 1979. Glacial landforms. In: Haughton, J.P. (Ed.), *Atlas of Ireland*. Royal Irish Academy, Dublin, p. 21
- Taylor, B. J., Burgess, I. C., Land, D. A. C., Mills, D. B., & Warren, P. T. 1971: Northern England, 4th Edition. British Regional Geology. HMSO, London.
- Taylor, B. J., Price, R. H., & Trotter, F. M. 1963. Geology of the country around Stockport and Knutsford. Memoir of the British Geological Survey.
- Terwindt, J. H. J., & Augustinus, P. 1985: Lateral and longitudinal successions in sedimentary structures in the Middle Mause Esker, Scotland. *Sedimentary Geology* 45, 161-188.
- Thomas, G. S. P. 1971: *Isle of Man: Field Guide*. Quaternary Research Association, Cambridge.
- Thomas, G. S. P. 1985: The late Devensian glaciation along the border of north-east Wales. *Geological Journal* 20, 319-340

- Thomas, G. S. P. 1989: The late Devensian glaciation along the western margin of the Cheshire-Shropshire lowland. *Journal of Quaternary Science* 4, 167-181.
- Thomas, G. S. P. 1997: Geomorphology of the Usk valley. In Lewis, S. G., & Maddy, D. (eds.): *The Quaternary of the South Midlands and the Welsh Marches*, 49-60. Quaternary Research Association, London.
- Thomas, G. S. P. 1984: The origin of the glacio-dynamic structure of the Bride Moraine, Isle of Man. *Boreas* 13, 355-364.
- Thomas, G. S. P., & Montague, E. 1997: The morphology, stratigraphy and sedimentology of the Carstairs Esker, Scotland, U.K. *Quaternary Science Reviews* 16, 661-674.
- Thomas, G. S. P., Chester, D. K., & Crimes, P. 1998: The Late Devensian glaciation of the eastern Lleyn Peninsula, North Wales: evidence for terrestrial depositional environments. *Journal of Quaternary Science* 13, 255-270.
- Thomas, G.S. and Chiverrell, R.C., 2006. A model of subaqueous sedimentation at the margin of the Late Midlandian Irish Ice Sheet, Connemara, Ireland, and its implications for regionally high isostatic sea-levels. *Quaternary Science Reviews*, 25(21), pp.2868-2893.
- Thomas, G.S. and Chiverrell, R.C., 2007. Structural and depositional evidence for repeated ice-marginal oscillation along the eastern margin of the Late Devensian Irish Sea Ice Stream. *Quaternary Science Reviews*, 26(19), pp.2375-2405.
- Thomas, G.S., Chiverrell, R.C. and Huddart, D., 2004. Ice-marginal depositional responses to readvance episodes in the Late Devensian deglaciation of the Isle of Man. *Quaternary Science Reviews*, 23(1), pp.85-106.
- Thomson, M. E., & Eden, R. A. 1977: *Quaternary deposits of the central North Sea, 3: the Quaternary sequence in the west-central North Sea*. 18 pp. Report of the Institute of Geological Sciences. HMSO London.
- Thorp, P.W. 1986: A mountain icefield of Loch Lomond Stadial age, western Grampians, Scotland. *Boreas* 15, 83-97.
- Thorp, P.W. 1987: Late Devensian ice sheet in the western Grampians, Scotland. *Journal of Quaternary Science* 2, 103-112
- Thorp, P.W. 1991: Surface profiles and basal shear stresses of outlet glaciers from a Lateglacial mountain icefield in western Scotland. *Journal of Glaciology* 37, 77-88.
- Trotter, F. M. 1929: The glaciation of eastern Edenside, the Alston Block and the Carlisle Plain. *Quarterly journal of the Geological Society of London* 85, 549-612
- Turner, A.J., Woodward, J., Dunning, S.A., Shine, A.J., Stokes, C.R. and Ó Cofaigh, C., 2012. Geophysical surveys of the sediments of Loch Ness, Scotland: Implications for the deglaciation of the Moray Firth Ice Stream, British-Irish ice sheet. *Journal of Quaternary Science*, 27(2), pp.221-232.
- Turner, A.J., Woodward, J., Stokes, C.R., Ó Cofaigh, C. and Dunning, S., 2014. Glacial geomorphology of the Great Glen Region of Scotland. *Journal of Maps*, 10(1), pp.159-178.
- Van Landeghem, K.J., Wheeler, A.J. and Mitchell, N.C., 2009. Seafloor evidence for palaeo-ice streaming and calving of the grounded Irish Sea Ice Stream: Implications for the interpretation of its final deglaciation phase. *Boreas*, 38(1), pp.119-131.

- Vincent, P. 1985: Quaternary geomorphology of the southern Lake District and Morecambe Bay area. In Johnson, R.H. (ed.): *The geomorphology of North-West England*, 159-177. Manchester University Press, Manchester.
- Warren, W.P. 1977. North East Iveragh. In Lewis C.A. (ed) *South and South West Ireland*, Guidebook for excursion A15 INQUA X Congress (Bowen, D.Q. Ed) Norwich, 27-45.
- Warren, W.P. 1988. The Plesitocene Geology and Geomorpholgoy of Glen Behy, Co. Kerry, *Irish Geography*, 21, pp.1-10.
- Warren WP. 1991. Fenitian (Midlandian) glacial deposits and glaciation in Ireland and the adjacent offshore regions. In Glacial Deposits in Great Britain and Ireland, Ehlers J, Gibbard PL, Rose J (eds). Balkema: Rotterdam; 79–88
- Warren WP. 1992. Drumlin orientation and the pattern of glaciation in Ireland. Sveriges Geologiska Undersokning Series Ca 81: 359–366
- Warren, W.P. and Ashley, G.M., 1994. Origins of the ice-contact stratified ridges (eskers) of Ireland. *Journal of Sedimentary Research*, 64(3).
- West, R.G. 1993: On the history of the Late Devensian Lake Sparks in southern Fenland, Cambridgeshire, England. *Journal of Quaternary Science* 8, 217-234.
- West, R.G., Andrew, R., Catt, J.A., Hart, C.P., Hollin, J.T., Knudsen, K.-L., Miller, G.F., Penney, D.N., Pettit, M.E., Preece, R.C., Switsur, V.R., Whiteman, C.A. & Zhou, L.P. 1999: Late and Middle Pleistocene deposits Somersham, Cambridgeshire, U.K: a model for reconstructing fluvial/esturine depositional environments. *Quaternary Science Reviews* 18, 1247-1314.
- Whitehead, T. H., Robertson, T., Pocock, R.W., Dixon, E.E.L., Cantrill, T.C., Crookall, R., Dewey, H., Pringle, J., & Sherlock, R.L. 1928: The country between Wolverhampton and Oakengates. Memoir of the British Geological Survey.
- Whiteman, C.A. 1981: Drumlins around Appleby-in-Westmorland, Cumbria. In Boardman, J. (ed.): *Field Guide to East Cumbria*, 107-113. Quaternary Research Association, London.
- Wills, L. J. 1924: The development of the Severn Valley in the neighbourhood of Ironbridge and Bridgnorth. *Quarterly Journal of the Geological Society of London* 80, 271-314.
- Wingfield, R.T.R. 1990: The origin of major incisions within Pleistocene deposits of the North Sea. *Marine Geology* 91, 31-52.
- Worsley, P. 1991: Glacial deposits of the lowlands between the Mersey and Severn rivers. In Ehlers, J., Gibbard, P. L., & Rose, J. (eds.): *Glacial Deposits in Great Britain and Ireland*, 203-211. Balkema, Rotterdam.
- Worsley, P., 2005. The Cheshire-Shropshire Plain. In: Lewis, C.A., Richards, A.E. (Eds.), The Glaciations of Wales and Adjacent Areas. Logaston Press, Almeley, Herefordshire, p. 59-72.
- Yates, E. M., & Moseley, F. 1958: Glacial lakes and spillways in the vicinity of Madeley, north Staffordshire. *Quarterly Journal of the Geological Society of London* 113, 409-428.
- Yorke, L., Fuller, I.C., Howard, A.J. and Passmore, D.G., 2007. Preliminary investigations of outwash environments in the Tyne Valley: implications for Late Devensian (Dimlington Stadial) deglaciation. *Proceedings of the Geologists' Association*, 118(2),

pp.201-211.

Young, J. A. T. 1974: Ice wastage in Glenmore, upper Spey Valley, Inverness-shire. *Scottish Journal of Geology* 10, 147-158.

Young, J. A. T. 1978: The landforms of upper Strathspey. *Scottish Geographical Magazine* 94, 76-94.