

Appendix: Higher-Resolution Maps for Topic Modeling and the Historical Geography of Scotland

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Figure 2. Geographic distribution of descriptions of the Scottish textile industry. Topic 136 includes keywords like *manufacture*, *linen*, *employed*, *looms*, *trade*, *cotton*. Map shows a hotspot analysis showing areas where that topic was concentrated.

“Blankets and serges were the only fabrics produced up to 1829, when shawls were introduced; and tartan dress goods, tweeds, handkerchiefs, plaids, and shirtings followed.”
-- Alva, a town and parish, *Ordnance Gazetteer of Scotland* (1882).

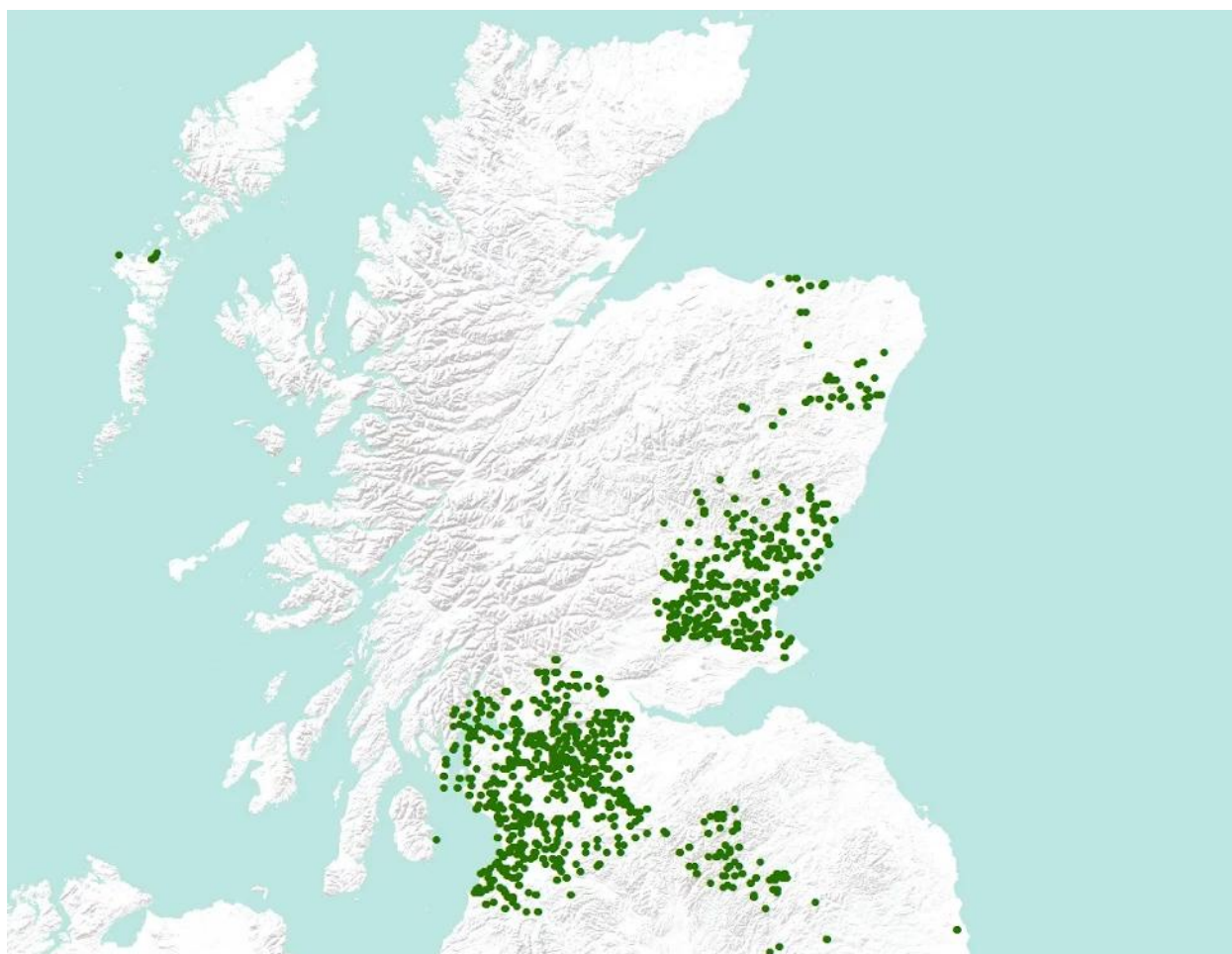


Figure 3. Geographic distribution of descriptions of canals and waterways. Most heavily weighted terms in Topic 83 include *glasgow*, *clyde*, *canal*, *forth*, *greenock*, *paisley*.

“In July 1775 the canal was completed up to Stockingfield, at which point a branch to Glasgow was constructed and was carried to Hamilton Hill near that city, where a basin and storehouses were made.”

-- Burntisland, *Ordnance Gazetteer of Scotland* (1885).

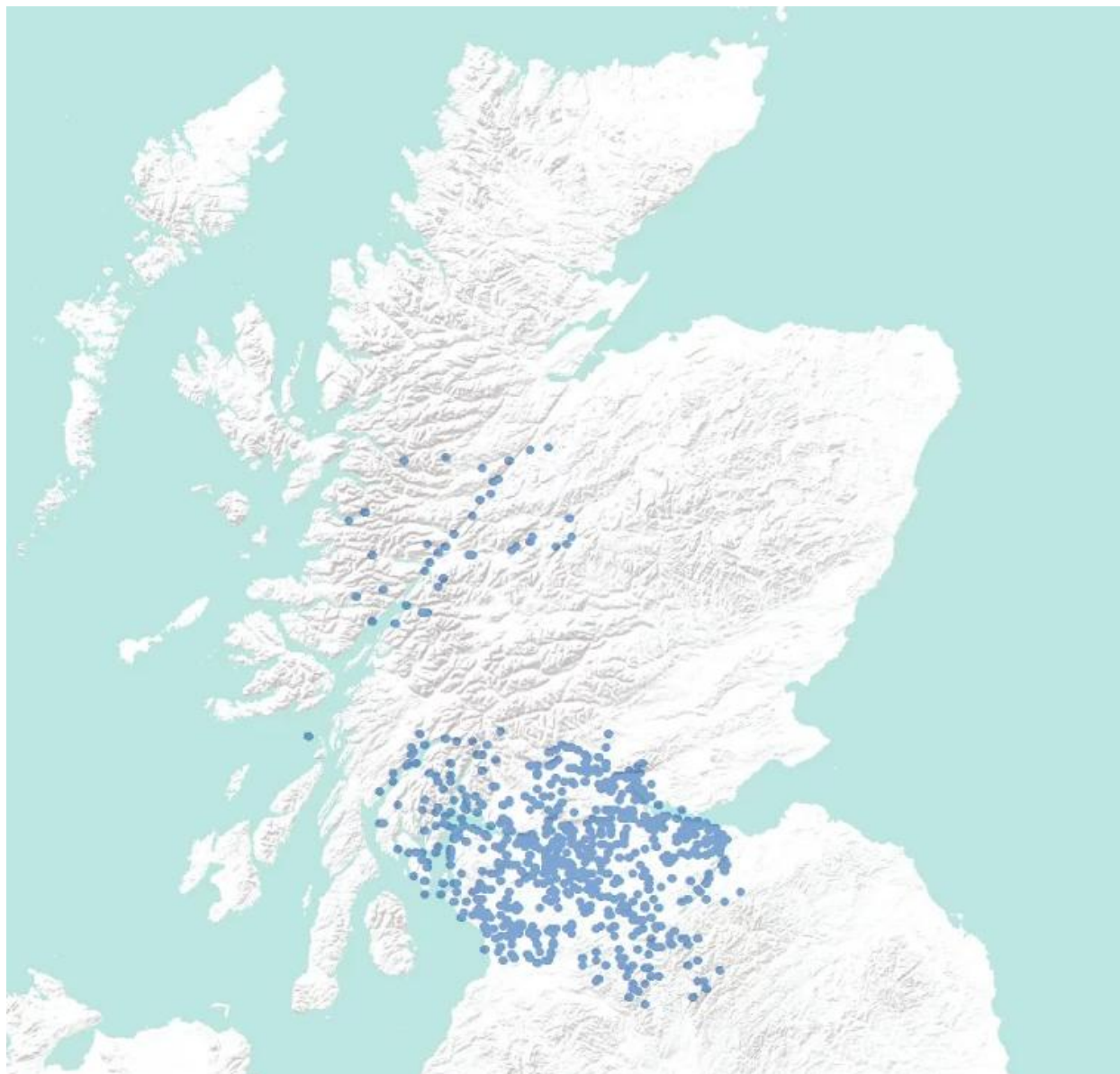


Figure 4. Geographic distribution of descriptions of shipping and trade. Most heavily weighted terms in Topic 107 include *tons*, *vessels*, *trade*, *port*.

“In 1854, the sailing vessels registered at it were 118, of aggregately 18,908 tons, and the steam vessels 3, of aggregately 476 tons.”

-- Irvine, a royal burgh and a sea-port, *Imperial Gazetteer of Scotland* (1854).

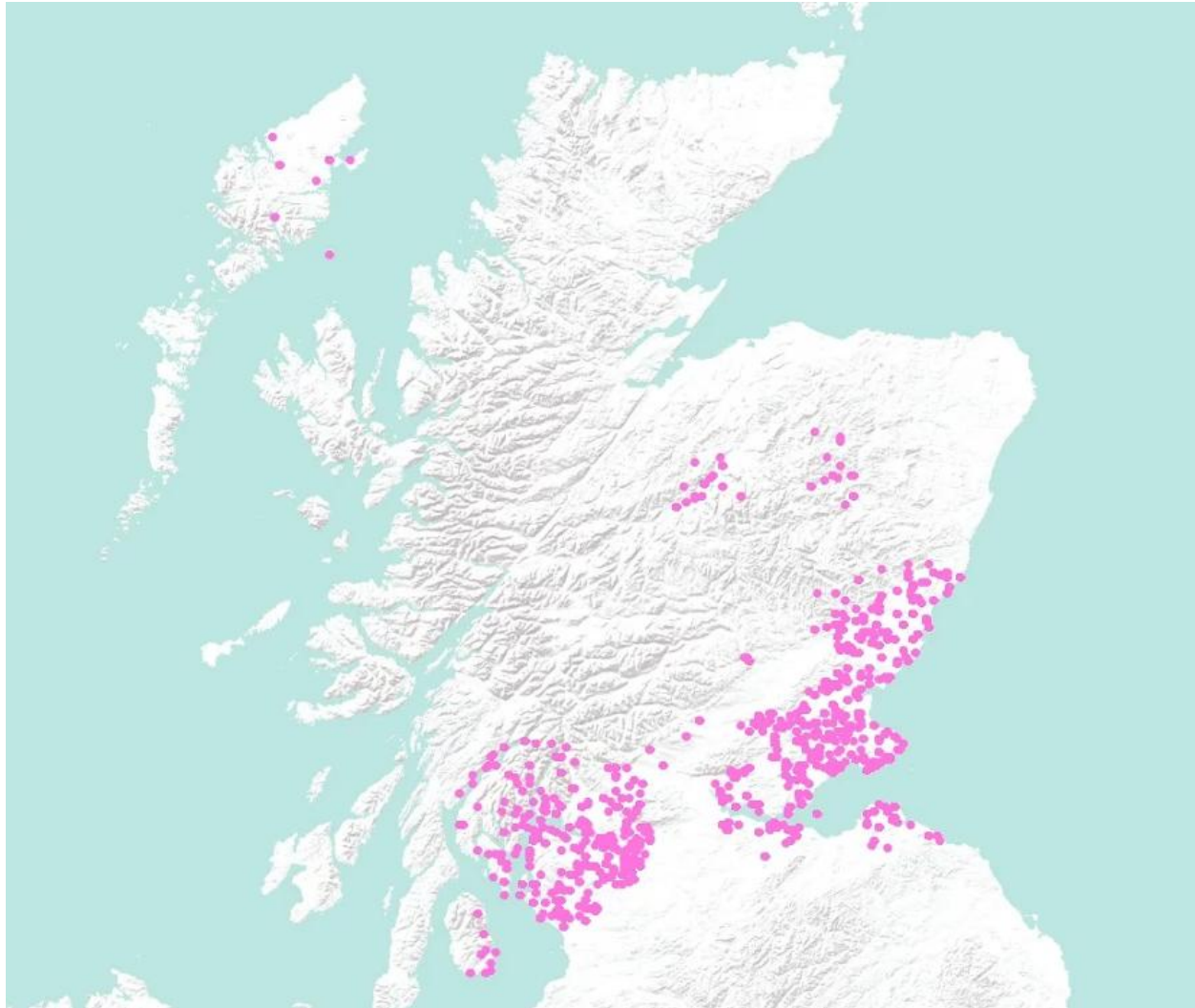


Figure 5. Geographic distribution of descriptions of ironworks and coal. Most heavily weighted terms in Topic 184 include *iron, works, large, extensive, added, tons*.

“But in 1847 extensive works were erected, together with the villages of Waterside and Craigmark, by the Dalmellington Iron Company.”
-- Dalmellington, a parish, *Imperial Gazetteer of Scotland* (1854).

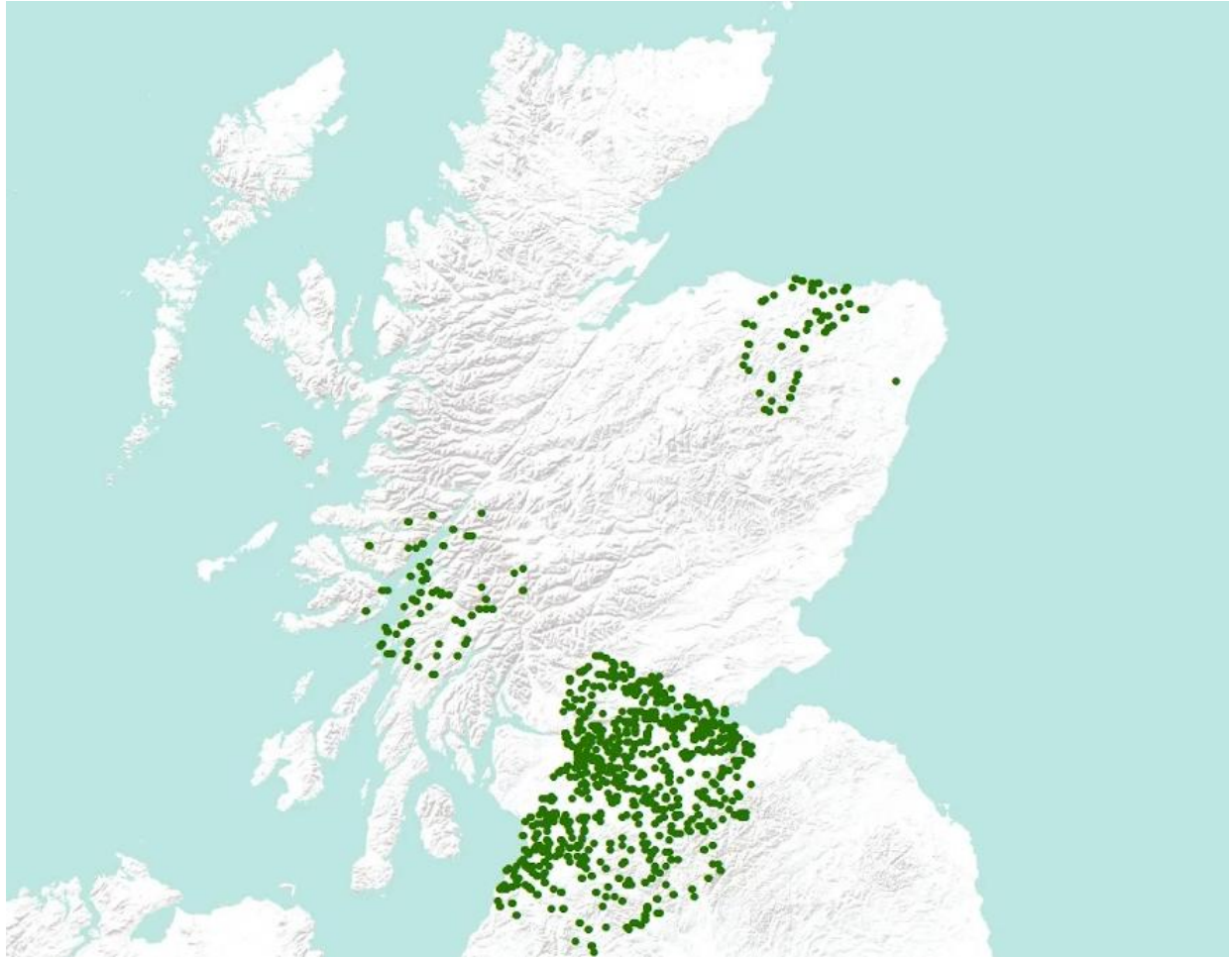


Figure 6. Geographic distribution of descriptions of surveys of arable land. Most heavily weighted terms in Topic 140 include *acres*, *land*, *arable*, *extent*, *pasture*.

“In 1744, the parish, with the exception of gardens, did not contain 40 acres of enclosed ground; but now it everywhere exhibits a very highly cultivated and embellished appearance.”

-- Vicarland, *Imperial Gazetteer of Scotland* (1854).

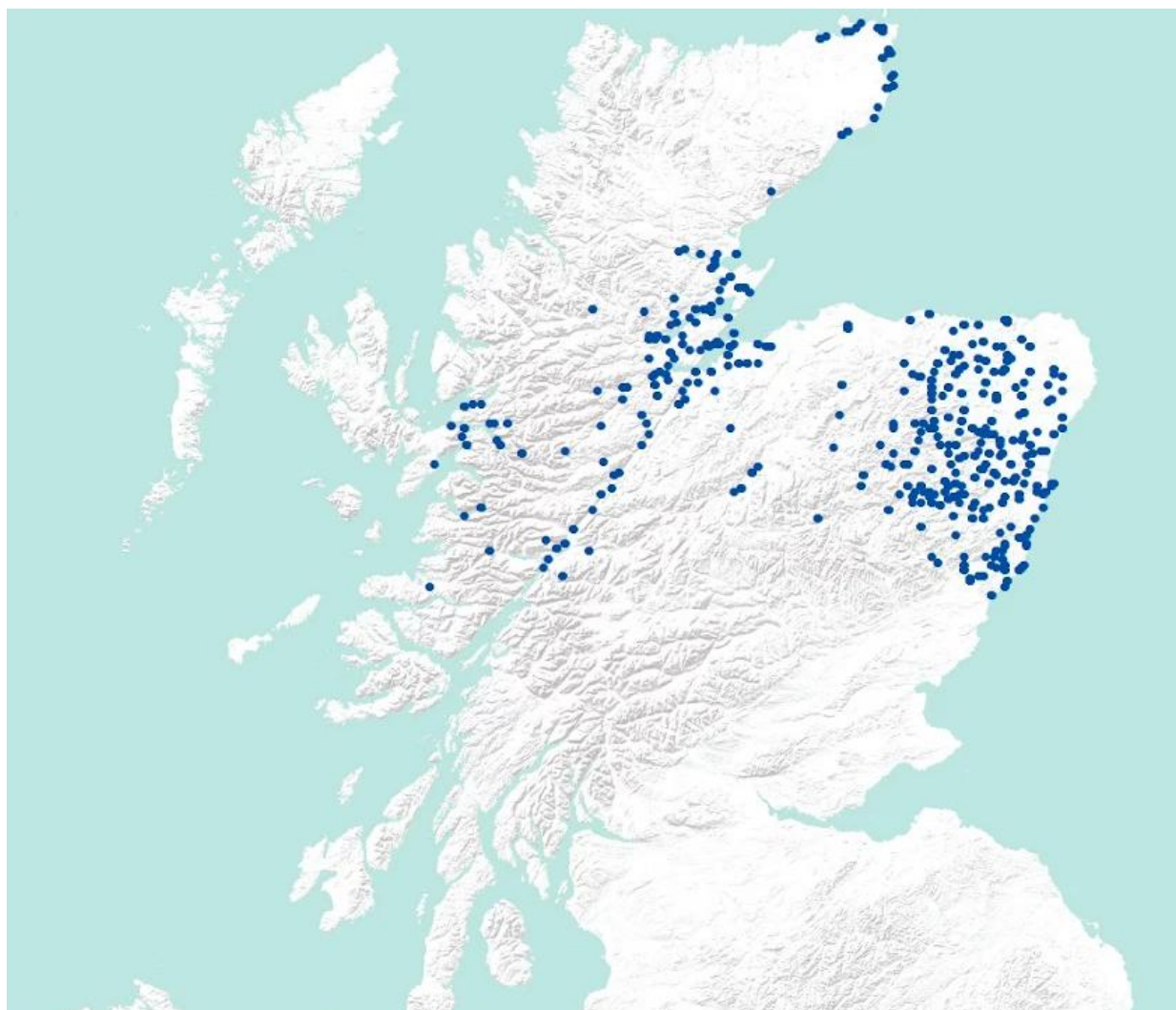


Figure 7. Geographic distribution of descriptions of antiquities and ruins. Most heavily weighted terms in Topic 144 include *castle, ancient, seat, house, family, residence, ruins*.

“The chief relic of antiquity is Leslie House, formerly the seat of the barons of Leslie, a castellated building now ruinous, founded in 1661, and once inclosed by a rampart and fosse.”

-- Leslie, a parish, in the district of Garioch, *Topographical Dictionary of Scotland* (1846).

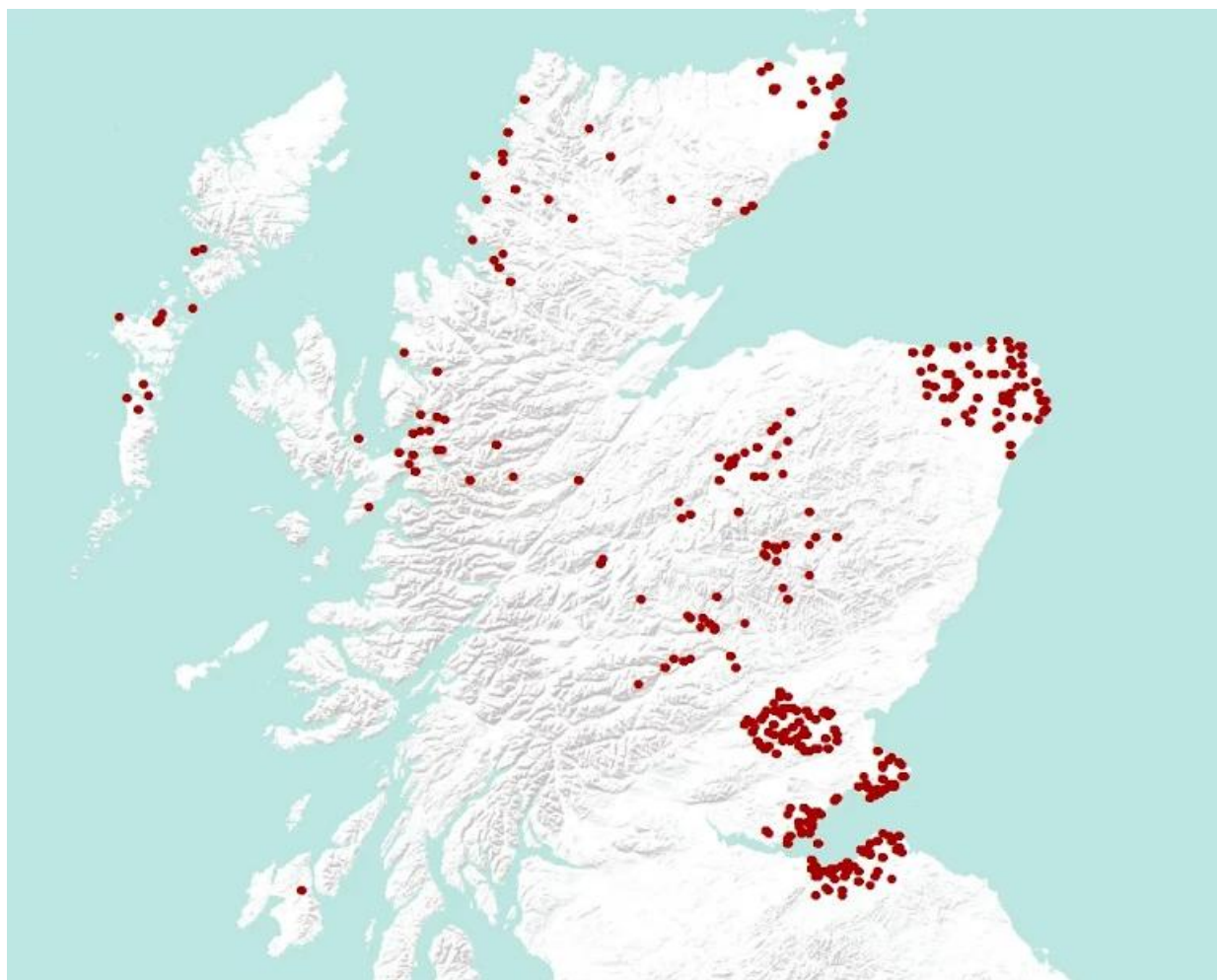


Figure 8. Geographic distribution of descriptions of medieval warfare. Most heavily weighted terms in Topic 76 include *edward*, *english*, *castle*, *sir*, *england*, *scottish*, *wallace*.

“Sir William Wallace, previously to his assault of the castle of Lochmaben in 1297, occupied a small fortress in this parish, with a party of his followers, and made frequent sallies to annoy the English under Greystock and Sir Hugh Moreland, in one of which Sir Hugh and several of his men were killed.”

-- Kirkmichael, *Topographical Dictionary of Scotland* (1846).

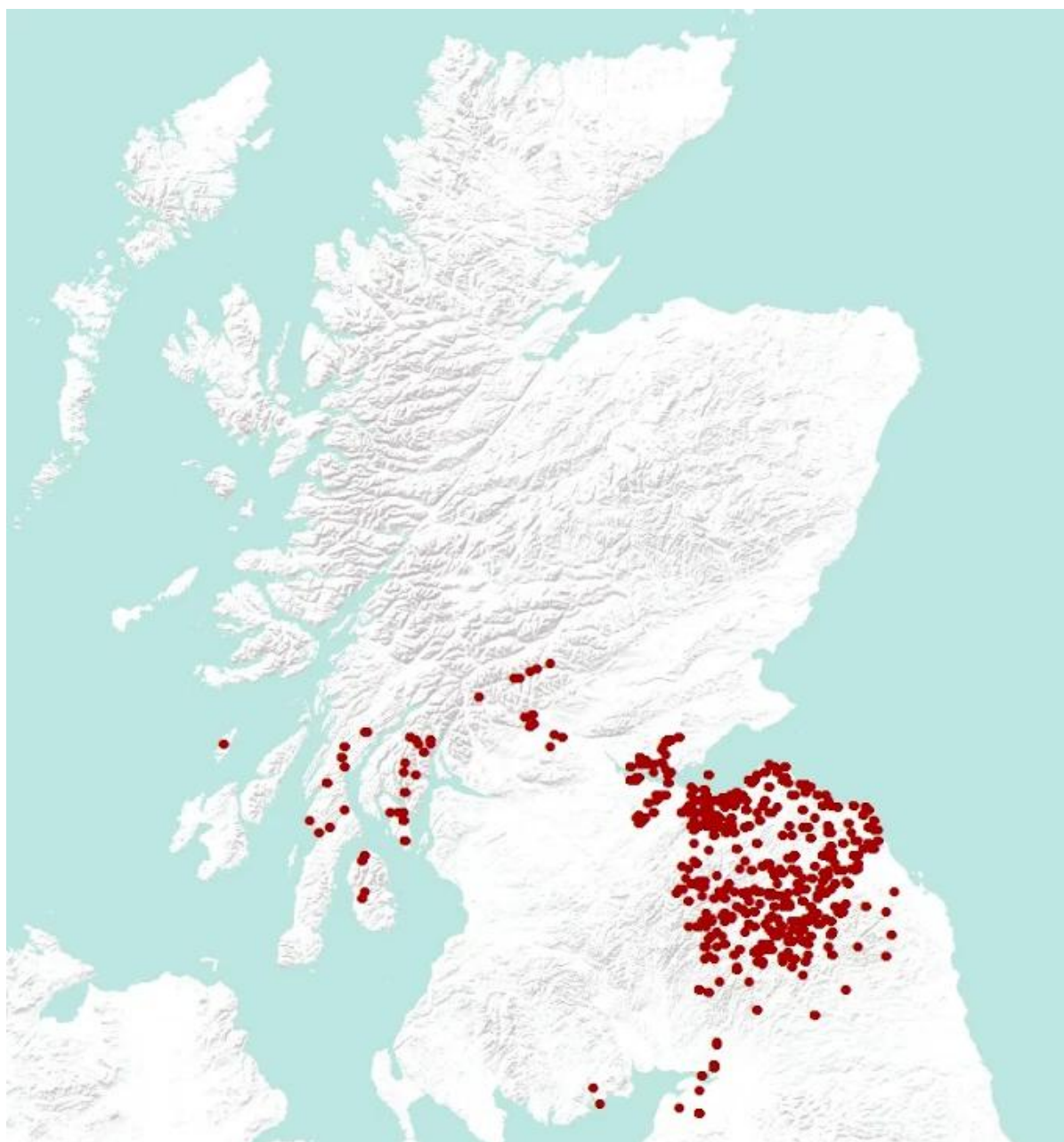


Figure 9. Geographic distribution of mentions of books and authors. Most heavily weighted terms in Topic 165 include *published*, *scotland*, *account*, *time*, *great*, *general*.

“Its celebrity was further enhanced in 1824, by the publication of the novel, by the author of Waverley, entitled *St. Ronans Well*, of which place it was fondly imagined to be the prototype.”

-- Innerleithen, a village in Peeblesshire, *Gazetteer of Scotland* (1838).

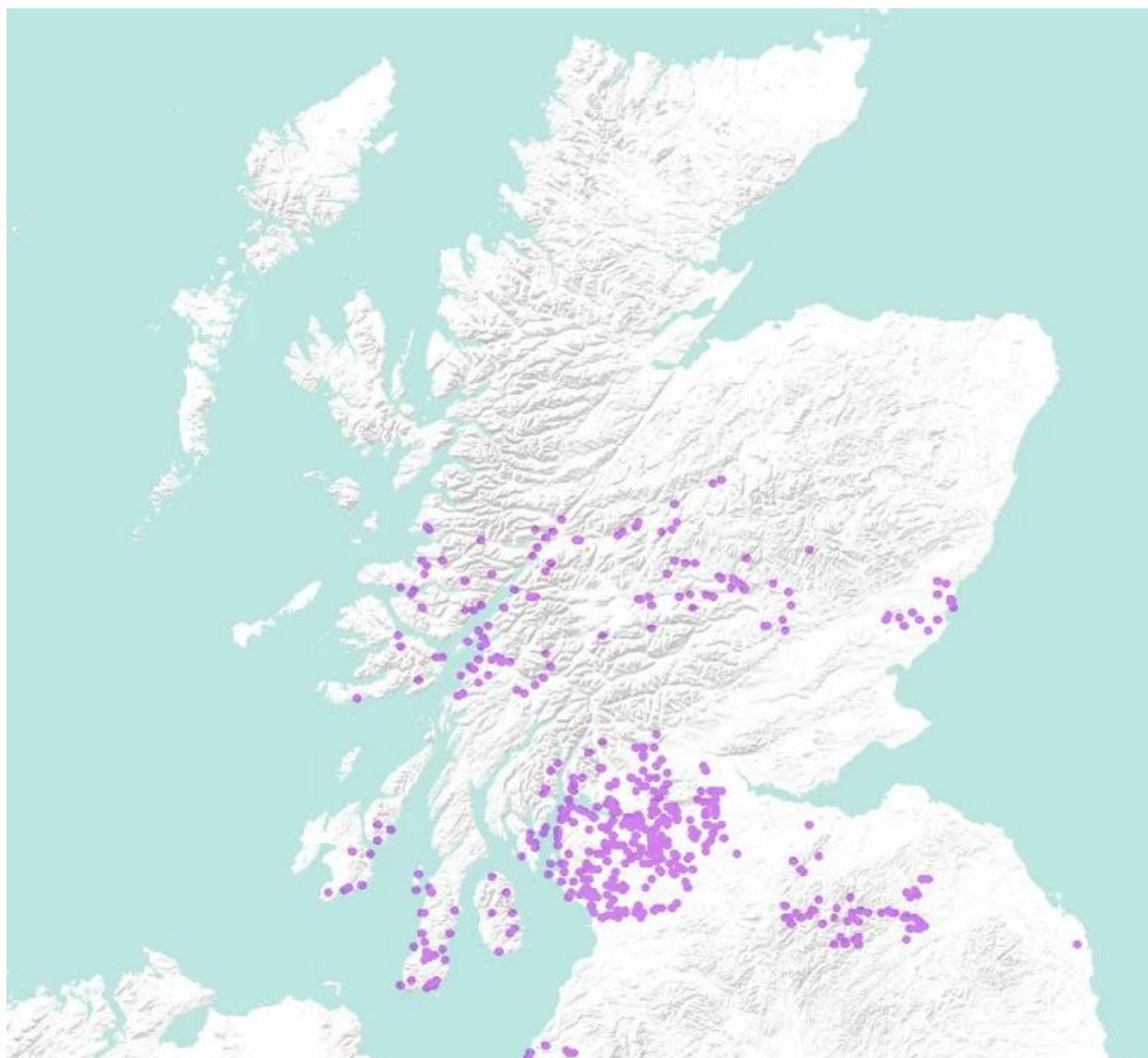


Figure 10. Geographic distribution of historical details about the administration of parishes. Most heavily weighted terms in Topic 4 include *minister, parish, charge, ministers, presbytery, first, appointed*.

“The third charge was in abeyance from this date till Thomas Turner, minister of Tulliallan, was admitted to the first charge, December 31, 1740; and Daniel Macqueen, minister of Dalziel, was on the same day admitted to the second charge.”

-- Stirling, *New Statistical Account of Scotland* (1845).

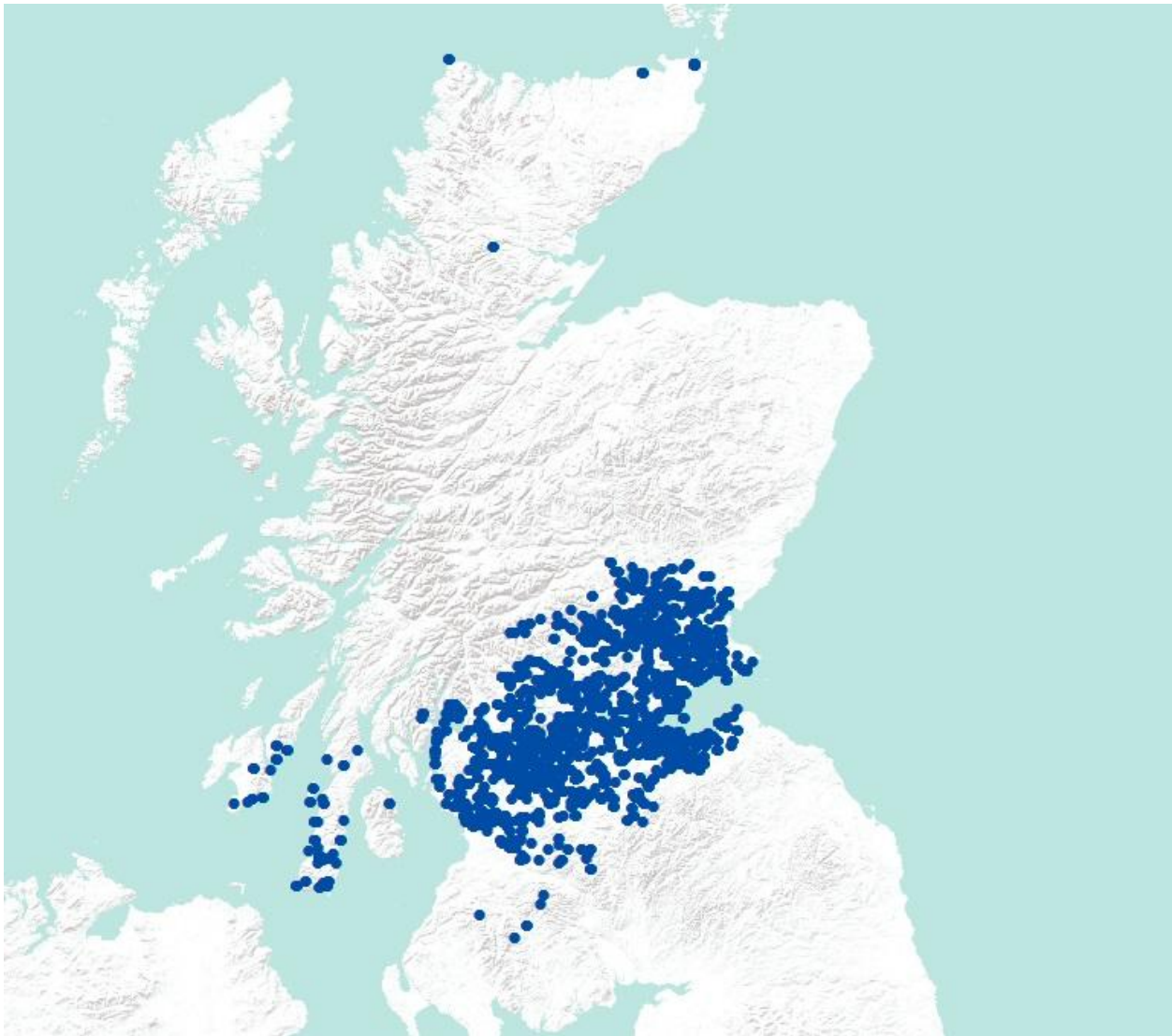


Figure 11. Geographic distribution of new churches and new congregations. Most heavily weighted terms in Topic 77 include *established, congregation, united, secession, house, built, meeting, stipend.*

“An United Secession meeting-house in Kincardine, belonging to a congregation established in 1813, was built in 1819, at a cost of 1,200.”
-- Tullialan, a parish, *Gazetteer of Scotland* (1842).

