

Loch Brora is extremely irregular in conformation, varying greatly in width, with corresponding undulations of the lake-floor. There are four basins, in which the depth exceeds 30 feet. Proceeding from the foot of the loch the first, smallest, and shallowest basin has a maximum depth of 31 feet. Passing through the first narrows, where a depth of 7 feet was observed, one enters the second expansion of the loch, which is shallow until Eilean nam Faoileag is passed, the second basin lying to the north of

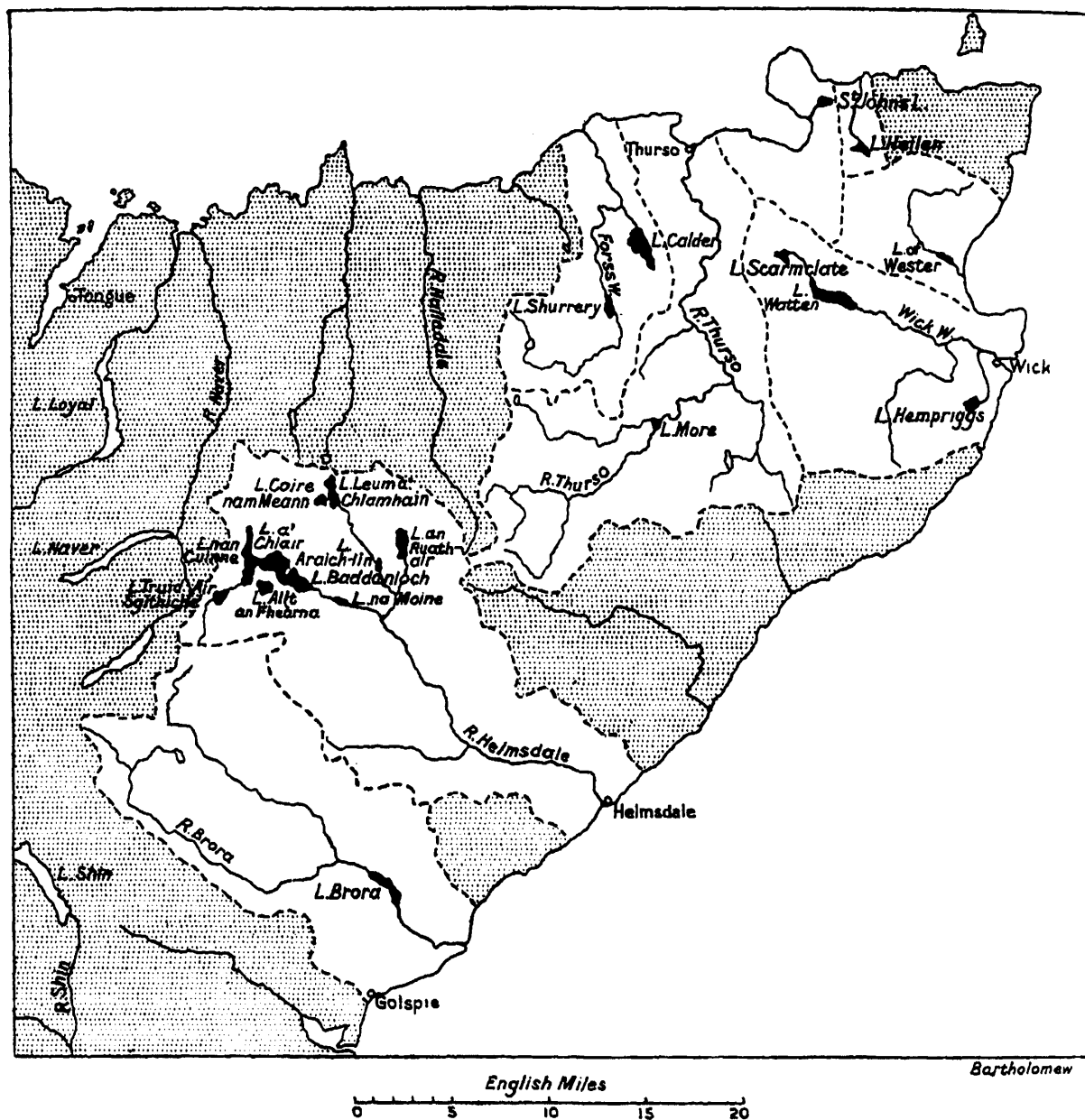


FIG. 1.—INDEX MAP OF THE BRORA, HELMSDALE, WICK, WESTER, HEILEN, DUNNET, THURSO, AND FORSS BASINS.

that island, and having a maximum depth of 43 feet. Passing through the second narrows, where a depth of 9 feet was found, one enters the third and deepest basin, enclosing the maximum depth of 66 feet, which was recorded approximately near the centre of the basin. Passing through the third and most northerly narrows, in which depths of 4 and 7 feet were recorded, one enters the fourth and largest basin; this basin is cut into two portions by the slight shoaling of the bottom where the alluvial cone