

*Temperature Observations.*—The following serial temperatures, taken at 2 p.m. on the date of the survey in the deepest part of the loch, show a range of only 1°·2 Fahr. throughout the body of water :—

Surface ...	...	...	...	...	...	57°·8 Fahr.
10 feet ...	...	...	...	...	...	57°·2 „
20 „ ...	...	...	...	...	...	57°·0 „
30 „ ...	...	...	...	...	...	56°·6 „

*Loch nam Breac* (see Plate X.).—Loch nam Breac lies about a mile to the north-west of Loch na Claise Feàrna, near the southern shore of Loch Laxford, into which its overflow is carried by the Allt a' Mhuilinn. It is most irregular in outline, with arms projecting in various directions, and with one large and many smaller islands. From north to south it exceeds a mile in length, with a maximum breadth of half a mile, the superficial area being about 142 acres, or nearly a quarter of a square mile. The maximum depth of 71 feet was recorded in the southern wide portion of the loch. The volume of water is estimated at 172 million cubic feet, and the mean depth at 28 feet. The loch was surveyed on September 9, 1902, but the elevation of the lake-surface above the sea could not be determined.

Loch nam Breac is extremely irregular in conformation, which is not surprising, considering that the numerous islands and projecting promontories give rise to many constrictions in the outline. The bottom sinks in two places below the 50-foot level: (1) in the most southerly expansion of the loch, where there is a basin a quarter of a mile in length, enclosing the maximum depth of the loch (71 feet), three soundings having been recorded at that depth near the centre of the expansion; and (2) to the south-west of the largest island, where there is a smaller basin having a maximum depth of 66 feet. These two 50-foot basins cover an area of about 24 acres, or 17 per cent. of the total area of the loch. Besides these two deep basins, there are six isolated small areas in which the depth exceeds 25 feet, based in some cases on single soundings, the largest and deepest lying to the north-east of the largest island, and having a maximum depth of 44 feet. The area of the lake-floor covered by less than 25 feet of water is about 76 acres, or 54 per cent. of the total area.

*Temperature Observations.*—A series of temperatures taken at 6 p.m. on the date of the survey, in the deepest part of the loch, gave the following results :—

Surface ...	...	...	...	...	...	57°·1 Fahr.
25 feet ...	...	...	...	...	...	57°·0 „
40 „ ..	...	...	...	...	...	56°·5 „
45 „ ...	...	...	...	...	...	56°·0 „
48 „ ...	...	...	...	...	...	52°·0 „
50 „ ..	...	...	...	...	...	52°·0 „
60 „ ...	...	...	...	...	...	51°·0 „

This series shows a range of 6°·1, the position of the “sprungschicht” being well marked, viz. between 45 and 48 feet, where a fall in temperature amounting to 4° was recorded—a fall exceeding 1° per foot of depth.