

feet; this is nearly identical with the level determined by the Ordnance Survey officers on May 27, 1870, viz. 1268·6 feet.

The bottom of Loch Ossian is very uneven, the transverse, as well as longitudinal, sections being undulate. Only the 25-foot contour follows the line of the shore. The 50-foot contour encloses an area 2 miles in length. The south-western portion of this for three-quarters of a mile is exceedingly narrow. Near the middle of the loch it broadens to a quarter of a mile, and continues broad to near the out-flow. The area over 75 feet in depth is fully a mile in length, that over 100 feet half a mile, and that over 125 feet a quarter of a mile in length. One mile from the upper end there is in the centre of the loch a shoal, over which the depth is only 11 feet. The approximate areas between the contour-lines, and the percentages to the total area of the loch, are as follows:—

0 to 25 feet	214 acres	32·6 per cent.
25 ,, 50 ,,	234 ,,	35·6 ,,
50 ,, 75 ,,	104 ,,	15·8 ,,
75 ,, 100 ,,	72 ,,	10·9 ,,
Over 100 ,,	33 ,,	5·1 ,,
	<hr/>	<hr/>
	657 ,,	100·0 ,,
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It will be observed that the area of the lake-floor covered by water between 25 and 50 feet in depth is larger than the shore-zone covered by less than 25 feet of water.

Temperature Observations.—The following temperatures taken at 1 p.m. on May 16, 1902, show a range of less than 1° Fahr. —

Surface	44°·3 Fahr.
10 feet	44°·1 ,,
25 ,,	43°·7 ,,
50 ,,	43°·8 ,,
100 ,,	43°·4 ,,

Loch Ghulbinn (see Plate LXXXVII.).—Loch Ghuilbinn (or Gulbin) is a small and relatively broad loch, lying in the midst of the high mountainous region between Lochs Ericht, Treig, and Laggan. The long axis runs nearly north and south. The surrounding hills rise on all sides into peaks of well over 3000 feet. The loch is fully three-quarters of a mile long, and nearly half a mile in greatest breadth, with a mean breadth of a little over a quarter of a mile. The greatest depth is 49 feet, and the mean depth over 13 feet. The superficial area is about 146 acres, or nearly a quarter of a square mile, and the volume 85 million cubic feet. It receives the drainage of a basin extending to 29 square miles, including Loch Ossian. It is fed chiefly by the river Ossian, which, besides bringing the overflow of Loch Ossian, receives