

into two deep basins by the shoaling of the bottom between the peninsula of Rudha Dubh on the southern shore and the island opposite to it towards the northern shore, but even here there is a depth near the centre of 72 feet, so that the 25-foot and 50-foot areas are continuous from end to end of the loch. The 25-foot contour-line follows approximately the outline of the loch; the 50-foot contour is extremely sinuous, in some places following the outline of the loch and in other places, especially in the central part of the loch, being far removed from the shore-line. Of the two 100-foot basins the south-eastern one is the larger and deeper, being over three-quarters of a mile in length, and widest towards the centre of the loch, narrowing on approaching the south-eastern prolongation. The maximum depth of the loch (180 feet) was observed towards the south-eastern end of this basin, and about 200 yards from the north-eastern shore. The north-western 100-foot basin is less than half a mile in length, with a maximum depth of 153 feet. Some of the lines of soundings show minor undulations of the lake-floor, and in one case towards the north-western end a sounding of 20 feet was recorded about 250 yards from the southern shore with a depth of 80 feet between it and the shore; this shallow sounding may possibly be connected with the shallow water surrounding the large island lying to the south-west. There are indications of moderately steep slopes, especially along the south-western shore, where soundings exceeding 40 feet were recorded in various places close inshore. The areas between the consecutive contour-lines, and the percentages to the total area of the loch, are as follows.—

0 to 50 feet	296 acres	45.1 per cent.
50 ,, 100 ,,	239 ,,	36.5 ,,
100 ,, 150 ,,	100 ,,	15.3 ,,
Over 150 ,,	21 ,,	3.1 ,,
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	656 ,,	100.0 ,,
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Loch Bad a' Ghail was surveyed on September 18, 1902, the elevation of the lake-surface above the sea could not be determined

*Temperature Observations.*—Temperature observations taken at 5 p. m. in the deepest part of the loch gave the following results —

Surface	54' 5 Fahr.
50 feet . . . . .	54' 5 ,,
100 ,, . . . . .	50 5 ,,
170 ,, . . . . .	50 0 ,,

This series shows a constant temperature down to 50 feet, then a fall of 4° between 50 and 100 feet, the extreme range being 4°·5.

*Loch Owskeich* (see Plate XLI) —Loch Owskeich (or Oisckaig) lies about a mile to the north-west of Loch Bad a' Ghail, to which it is