

loch (221 feet) on the other. Another line of soundings, about three-quarters of a mile further east, shows a shoaling in deep water, where a depth of 122 feet was recorded between a depth of 130 feet on one side and 159 feet on the other. With these exceptions, the various lines of soundings show a regular bottom, with a steep offshore slope in some places along both the northern and southern shores. Thus, proceeding along the northern shore from the east end of the loch, the first line of soundings gave a depth of 40 feet at a distance of 20 feet from shore; the fourth line of soundings gave a similar depth at a similar distance; the fifth line gave a depth of 28 feet at 10 feet from shore; the ninth line gave 47 feet at 30 feet, the next line gave 21 feet at a distance of 20 feet; the next line 84 feet at 60 feet distance; the next 35 feet at 25 feet distance; and the next line 36 feet at 30 feet distance. In like manner, proceeding along the southern shore from the east end, the sixth line of soundings gave a depth of 76 feet at a distance of 50 feet from shore; the next line gave 31 feet at 20 feet distance; the next line 47 feet at 15 feet distance; the next line 33 feet at 20 feet distance; and the next line 34 feet at 30 feet distance. All these figures indicate a slope exceeding 1 in 1, and in one case a slope exceeding 3 in 1. The following table gives the areas between the consecutive contour-lines at intervals of 50 feet, with the percentages to the total area of the loch, the flat-bottomed character of the basin being indicated by the larger zone on the deeper side of the 100-foot contour than on the shallower side.—

0 to 50 feet	195 acres	37 per cent.
50 „ 100 „	89 „	17 „
100 „ 150 „	125 „	24 „
150 „ 200 „	70 „	13 „
Over 200 „	47 „	9 „
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	526 „	100 „
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Temperature Observations.—A series of temperatures taken at 3 p.m. on October 6, 1903, in the deepest part of the loch, gave the following results —

Surface	49°·2 Fahr.
10 feet	48°·9 „
25 „	48°·6 „
50 „	48°·0 „
100 „	47°·0 „
150 „	45°·6 „
200 „	44°·8 „

The extreme range shown by these observations is only 4°·4 from surface to bottom, the fall of temperature being very gradual.