

Loch Meallan an Fhudair to Loch Maree, and has tapped Lochan Fada, slightly lowering its level, thus beheading Abhuinn Gleann na Muic.

The height of the loch above sea-level was not determined by the Ordnance Survey, nor by the Lake Survey when sounded on July 25 to 28, 1902, owing to absence of bench-marks, but, judging from the spot-levels and the 1000-foot contour-line, its level must be about 1005 or 1006 feet above the sea.

The length of Lochan Fada is $3\frac{3}{4}$ miles, and its maximum breadth nearly two-thirds of a mile; the mean breadth is over one-third of a mile. Its waters cover an area of nearly $1\frac{1}{2}$ square miles, and it drains an area $6\frac{1}{2}$ times greater, or over $9\frac{1}{3}$ square miles. The maximum depth is 248 feet; this occurs in the centre of the loch off the mouth of Allt Meallan a' Chruidh. The mean depth is estimated at 102 feet, and the volume at 4091 millions of cubic feet. The breadth of the loch at the position of the deepest sounding is twelve times the depth. The shore development is 2·16, and the insulosity is *nil*; Lochan Fada, like so many of the larger lochs, has not a single island.

The bottom of Lochan Fada is very regular, the 50-foot and 100-foot areas being continuous, and extending almost from one end of the loch to the other. The main 150-foot area extends from west of Claona to the narrower part of the loch, and has a length of $1\frac{1}{2}$ miles; there is a small 150-foot area near the south-east end of the loch. The 200-foot area extends from south-west of Claona to west of Allt na Botaig; its length is one mile, and average width 280 yards.

The areas between the consecutive contour-lines, and the percentages to the total area of the loch, are as follows:—

0 to 50 feet	230 acres	25·0 per cent.
50 „ 100 „	236 „	25·7 „
100 „ 150 „	263 „	28·7 „
150 „ 200 „	100 „	10·8 „
Over 200 „	90 „	9·8 „
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	919 „	100·0 „
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It is unusual to observe, on proceeding from the shore into deeper water, an increasing area between the contour-lines drawn at regular intervals, as in the case of Lochan Fada, and indicates an average steep slope near shore. A glance at the map shows that the 50-foot contour follows closely the outline of the loch, and in places approaches very close to the shore.

Seiche.—On July 28, beginning at 1 p.m., a well-marked seiche was observed in Lochan Fada in a sheltered bay at the south-west end of the loch; the wind was strong from the west. The amplitude was half an inch, and the period about 11·6 minutes; but this oscillation was so broken up by two other oscillations, whose periods were about $2\frac{1}{2}$