

The temperature was found to be constant from the surface to a depth of 15 feet, thence the temperature fell  $4^{\circ}$  to the bottom in 40 feet.

*Loch Tollie* (see Plate XLVII.).—Loch Tollie is situated  $1\frac{1}{4}$  miles to the west of the lower end of Loch Maree, and drains into its north-western arm. The ground immediately surrounding the loch is low, though Meall Airidh Mhic Criadh to the south-west, and Creag Mhòr Thollie to the south-east, rise to over 1100 feet. The loch is roughly elliptical in outline, the major axis having an east and west direction. One of the islands near the northern shore was for some time a stronghold of the McLeods.

Loch Tollie was surveyed on July 29, 1902, the elevation of the lake-surface being 387·0 feet above sea-level; when visited by the Ordnance Survey officers on November 13, 1869, the level was found to be 387·7 feet. The water must at one time have stood at a higher level, for at the east end, where the stream leaves the loch, there are the remains of a dam (now fast disappearing), which held up the water for supplying a mill farther down the burn.

Loch Tollie is under a mile in length, with a maximum breadth of about 800 yards, the mean breadth being about 500 yards. Its waters cover an area of about 169 acres (a quarter of a square mile), and it drains an area eight times greater, or 2 square miles. The maximum depth of 86 feet was observed in the centre of the loch off the mouth of the Allt Loch Laraig. The volume of water is estimated at 244 millions of cubic feet, and the mean depth at 33 feet. The breadth of the loch at the position of the deepest sounding is 27 times the depth. The shore development is small (1·11), and the insulosity 0·002. The deeper water occurs in the western part of the loch, though the 25-foot area sends a narrow tongue into the eastern part. The 75-foot area in the centre of the loch is small, with a narrow tongue extending towards the northern shore. The areas between the consecutive contour-lines, and the percentages to the total area of the loch, are as follows:—

0 to 25 feet	81 acres	48·0 per cent.
25 „ 50 „	43 „	25·6 „
50 „ 75 „	35 „	20·6 „
Over 75 „	10 „	5·8 „
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	169 „	100·0 „
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*Temperature Observations.*—The following series of temperatures was taken in the centre of the loch at 6 p.m. on July 29, 1902 —