

were recorded, surrounded in each case by deeper water. These shallow soundings mark the position of a rocky ridge, said to cross the loch, and to be a continuation of the rocky ridge on the east shore, now used as a quarry. About midway along the eastern shore there is a slight constriction in the outline of the loch at the entrance of the Allt Bhaltair, apparently due to the material brought down by that stream, and in this position a slight shoaling of the bottom in the centre of the loch is observable, the depth being 73 feet, with two soundings of 77 feet to the north, and soundings of 77 and 79 feet to the south. The 25-foot basin is about three-quarters of a mile in length, approaching to within 100 feet from the northern end, and a quarter of a mile from the southern end. The slope of the bottom is steeper off the western than off the eastern shore; near the middle of the western shore a sounding of 40 feet was taken about 50 feet offshore, giving a gradient of 1 in 1.25. The area of the lake-floor covered by less than 25 feet of water is about 85 acres, or 52 per cent. of the total area of the loch; that covered by water between 25 and 50 feet in depth is about 36 acres, or 22 per cent.; that covered by water between 50 and 75 feet in depth is about 36 acres, or 22 per cent.; and that covered by more than 75 feet of water is about 7 acres, or 4 per cent. of the entire area of the loch. The flat-bottomed character of the deep basin is well brought out by the fact that the area between the 25- and 50-foot contour-lines is almost identical with the area between the 50- and 75-foot contours. Loch Turret was surveyed on June 9, 1903, and the elevation of the lake surface above the sea, measured from the spot-level 1145 on the east shore, was determined as being 1132 feet. The water in the loch was high on the date of the survey.

Temperature Observations.—The temperature of the surface water on commencing the survey at 9 a.m. was 60°·0, and a series of temperatures taken later in the deepest part of the loch gave the following results:—

Surface		60° 8 Fahr.
10 feet		59°·0 „
15 „	..	54°·0 „
25 „	47° 7 „
50 „	44° 8 „
75 „	..	44° 4 „

This series shows a range of temperature from surface to bottom amounting to 16°·4, there being a fall of 5° 0 between 10 and 15 feet, one of 6°·3 between 15 and 25 feet, and one of 3° between 25 and 50 feet; the decrease of temperature between 10 and 15 feet was thus equal to 1° per foot of depth.

Lochan Uaine (see Plate XXXII.).—Lochan Uaine, at the head of Glen Turret, lies in a corrie; its shores are peat, and the bottom weedy.