

*Loch Giorra* (see Plate XXVII.).—Loch Giorra (or Girre) trends almost east and west; there is a slight bend near the middle of the loch, the eastern half trending north-west and south-east. It is over four-fifths of a mile in length, with a maximum breadth of over a quarter of a mile, the mean breadth being about one-sixth of a mile, or 20 per cent. of the length. Its waters cover an area of about  $88\frac{1}{2}$  acres, or less than one-seventh of a square mile, and it drains directly an area of over  $5\frac{1}{2}$  square miles, but, since it receives the outflow from Loch Daimh, its total drainage area is over  $10\frac{3}{4}$  square miles—an area 78 times greater than the area of the loch. Fifty-five soundings were taken in Loch Giorra, the maximum depth observed being 49 feet. The volume of water is estimated at 83,686,000 cubic feet, and the mean depth at nearly 22 feet, or 44 per cent. of the maximum depth. The length of the loch is 88 times the maximum depth, and 200 times the mean depth.

The floor of Loch Giorra is rather irregular. The deepest part is in the western half, the maximum depth of 49 feet having been observed about one-sixth of a mile from the west end. The 25-foot basin in this part of the loch is about two-fifths of a mile in length, and towards the east end there is a second 25-foot basin about one-fifth of a mile in length, in which the maximum depth is 40 feet. These two basins are separated by a remarkable rise of the bottom, on which depths of 15 and 18 feet were recorded, surrounded on all sides by deeper water. The area of the lake-floor covered by less than 20 feet of water is nearly 43 acres, or over 48 per cent. of the total area of the loch, that covered by water between 20 and 40 feet in depth is nearly 38 acres, or about  $42\frac{1}{2}$  per cent.; while that covered by more than 40 feet of water is over 8 acres, or over 9 per cent. Loch Giorra was surveyed on the same day as Loch Daimh (May 26, 1903); its elevation above the sea could not be determined.

*Temperature Observations.*—A series of temperatures taken in the deepest part of the loch gave the following results —

Surface ... . . . .	50° 0 Fahr.
10 feet . . . . .	48° 0 „
25 „ . . . . .	46° 8 „
45 „ . . . . .	46° 0 „

A comparison of these temperatures with those taken in Loch Daimh later in the day shows that, while the surface temperature in each loch was nearly identical, the temperature of the water beneath the surface was lower in the deeper loch thus at 10 feet the temperature in Loch Daimh was 1° 0 lower than in Loch Giorra, at 25 feet it was 2° 8 lower, and at 50 feet it was 2° 5 lower than at 45 feet in Loch Giorra.

*Loch Bhac* (see Plate XXVIII.).—Loch Bhac (Bhaic, or Vach) lies to the north of Loch Tummel, and flows by the Allt Bhaic into the river