

depth. The length of the loch is 298 times the maximum depth, and 652 times the mean depth. Loch Dochart was surveyed on April 28, 1902, and the level of the surface of the water was determined from Ordnance Survey bench-mark as being 513 feet above sea-level. The temperature of the surface water at 11.30 a.m. on that date was 50°·1.

*Loch Iubhair* (see Plate XX.).—Loch Iubhair (or Nubhair) receives the outflow from Loch Dochart by a river considerably less than half a mile in length, so that they may almost be regarded as forming one lake. It affords fair trout-fishing, and the scenery round about is very beautiful. Loch Iubhair is about  $1\frac{1}{3}$  miles in length, with a maximum breadth of about one-third of a mile, the mean breadth being nearly one-sixth of a mile, or 12 per cent. of the length. Its waters cover an area of about  $135\frac{1}{2}$  acres, or over one-fifth of a square mile, and it drains directly an area of about  $5\frac{3}{4}$  square miles; but, since it receives the outflow from Loch Dochart, its total drainage area is over  $44\frac{1}{2}$  square miles, or 212 times the area of the loch. Over 100 soundings were taken in Loch Iubhair, and the maximum depth observed was 65 feet. The volume of water contained in the loch is estimated at 147,284,000 cubic feet, and the mean depth at 25 feet, or 38 per cent. of the maximum depth. The length of the loch is 110 times the maximum depth, and 286 times the mean depth. Loch Iubhair trends in a north-east and south-west direction, and is rather peculiar in outline, resembling somewhat the italic letter *f*, constricted in the central portion, where a ridge crosses the loch with a maximum depth of 36 feet on it. The loch widens and deepens on each side of this constriction, the maximum depth of the loch having been found in the north-eastern part, where the loch is widest, the greatest depth observed in the south-western part being 49 feet. The 25-foot basin is a continuous area over a mile in length, approaching close to the northern shore, but distant about a quarter of a mile from the south-west end. The area of the lake-floor covered by less than 25 feet of water is about 72 acres, or 53 per cent. of the total area of the loch; the area between the 25- and 50-foot contours is about 59 acres, or 44 per cent., while the area covered by over 50 feet of water is about 5 acres, or 3 per cent. of the entire area of the loch. Loch Iubhair was surveyed at the same time as Loch Dochart, on April 28, 1902, the level of its surface being a foot lower than that of Loch Dochart, viz. 512 feet above the level of the sea.

*Loch Earn* (see Plate XXII.).—Loch Earn is situated amid lovely surroundings, the hills on both sides being clothed with rich woods, and splendid mountain scenery bounds the horizon towards the west, while on the south Ben Vorlich towers to a height of 3200 feet. It contains trout and salmon, and also *Salmo ferox*. It has been said that the loch is 100 fathoms (= 600 feet) deep in some places, but this is disproved by