

acres, or 13 per cent of the area of the loch, while the area between the coast-line and the 50-foot contour is nearly 550 acres, or 18 per cent. of the area of the loch, so that 82 per cent. of the floor of the loch is covered by over 50 feet of water.

*Loch Arklet* (see Plate IV.).—Loch Arklet drains into Loch Lomond, but the corporation of the city of Glasgow have power, by the erection of a dam at its west end, to divert the waters into the catchment-basin of Loch Katrine, in order to increase the supply of water to the city. The surface of this little moorland loch is, according to the Ordnance Survey maps, 455 feet above sea-level. It has a total length of over a mile, and a maximum width near the east end of nearly half a mile. The mean breadth is about one-third of a mile, or 587 yards, being 33 per cent. of the length. Its waters cover an area of about 210 acres (0.3 square mile), and it drains an area about sixteen times greater, or about 3400 acres ( $5\frac{1}{3}$  square miles). The number of soundings taken in Loch Arklet was 135, the average depth of these being 21 feet, and the greatest depth observed being 67 feet (11 fathoms). The mass of water in the loch is estimated at 222,000,000 cubic feet, and the mean depth at 24 feet, or 36 per cent. of the maximum depth. The length of the loch is 79 times the maximum depth, and 218 times the mean depth.

The wide eastern portion of Loch Arklet is shallower than the narrower western portion. The 50-foot depression extends little more than halfway towards the eastern end of the loch, and is slightly under half a mile in length, the greatest depth (67 feet) being approximately near the centre of the depression, and nearer the western than the eastern end. The area of over 50 feet in depth is estimated at about 19 acres, or 9 per cent. of the area of the loch, while the area between the 50-foot line and the shore is about 191 acres, or 91 per cent. of the entire superficial area.

Two small islands appear on the chart in the shallower part of the loch towards the north-eastern end.

*Loch Achray* (see Plate V.).—This pretty little lake is situated at the entrance to the Trossachs, and immediately before the windows of the Trossachs Hotel. Loch Achray, the surface of which is, according to the Ordnance Survey maps, 276 feet above sea-level, has a total length of about  $1\frac{1}{4}$  miles, with a maximum width of nearly one-third of a mile. The mean breadth is about a quarter of a mile, or 458 yards, being nearly 21 per cent. of the length. Its waters cover an area of about 205 acres (one-third of a square mile), and the area draining into it is twenty-two times greater, or about 4500 acres (7 square miles). The number of soundings taken in Loch Achray was 171, and the average depth of these was  $36\frac{1}{2}$  feet, the maximum depth recorded being 97