

that determined by the Ordnance Survey on July 8, 1893, viz. 351·1 feet. The temperature at the surface was 51°·0 Fahr., and at 8 feet 50°·5.

Harperleas Reservoir (see Plate CXVI.) lies about 3 miles north-east of Loch Leven, on the boundary between Fifeshire and Kinross-shire, and is used by the Kirkcaldy and Dysart Waterworks. It is a small artificial basin covering an area of about 40 acres, but relatively very deep, the maximum depth of 41 feet being found close to the eastern shore, while one-third of the bottom is covered by more than 25 feet of water. The mean depth is estimated at 18 feet, and the volume of water at 31 million cubic feet. When surveyed on May 16, 1905, the elevation was 848·35 feet above the sea. The temperature of the water varied little, the following readings being recorded :—

Surface	51°·0 Fahr.
10 feet	50°·0 „
20 „	49°·0 „
36 „	48°·7 „

Holl Reservoir (see Plate CXVII.) lies about a mile to the south-east of Harperleas, and has been recently made for the further supply of water to Kirkcaldy. Ballo reservoir lying between them had been emptied for repairs in February, 1905, and had very little water in it when visited in May, 1905. Holl reservoir covers an area of about 45 acres and is relatively deep, the maximum being 38 feet and the mean 17 feet, while nearly one-half of the bottom is covered by more than 20 feet of water. On May 16, 1905, the following temperatures were taken, showing a range throughout the body of water of 4° Fahr. :—

Surface	53°·0 Fahr.
10 feet	52°·2 „
20 „	49°·5 „
30 „	49°·0 „

Kilconquhar Loch (see Plate CXVIII.) lies close to the town of Kilconquhar, and about a mile north of Elie on the northern shore of the Firth of Forth. It is sub-circular in outline, and over half a mile in maximum diameter, covering an area of about 95 acres. It is a shallow flat-bottomed basin, the maximum depth being 6 feet and the mean depth 4 feet, the volume of water being estimated at 16 million cubic feet. When surveyed on May 18, 1905, the elevation was 48·6 feet above the sea, as compared with 49·4 feet determined by the Ordnance Survey on March 19, 1894. The temperature at the surface was 61°·5 Fahr., and at 5 feet 61°·0.