

Feet.	Acres.	Per cent
0 to 25	32 ..	39
25 ,, 50	40 ..	48
Over 50	11 ..	13
	—	—
	83	100

Temperature Observations.—A reading at the surface at the north end of the loch, on commencing the survey on September 11, 1902, gave 58°·6 Fahr., while a series taken at 3.30 p.m., in the deepest part of the loch, gave the following results:—

Surface	57°·2 Fahr.
10 feet	57°·0 ,,
25 ,,	56°·0 ,,
50 ,,	55°·5 ,,

These observations indicate a total range of temperature throughout the body of water amounting to 3°·1, no very decided fall being observed beneath the surface, but the difference of nearly 1½° between the two readings at the surface is noteworthy.

Loch Duartmore (see Plate XIII.).—Loch Duartmore is a small, irregular loch, trending almost east and west, and over a quarter of a mile in length. Its waters cover an area of about 13 acres, while, since it receives the overflow from Lochs Allt na h-Airbhe and Eucail, its drainage area is very large—about 11¼ square miles, or more than 550 times greater than the area of the loch. The maximum depth of 22 feet was observed near the east end of the loch. The volume of water is estimated at 3 million cubic feet, and the mean depth at nearly 6 feet. The loch was surveyed on September 11, 1902, when the elevation of the lake-surface was found to be 81·5 feet above the sea; this was 4 feet lower than the level of Loch Eucail, and 38 feet lower than that of Loch Allt na h-Airbhe.

Loch Duartmore is on the whole very shallow, the area of the lake-floor covered by less than 10 feet of water being about 12 acres, or 92 per cent. of the total area. Only in two places were depths extending 10 feet recorded: (1) at the extreme eastern end, where soundings in 10 to 22 feet were taken, and (2) off the northern shore, near the middle of the loch, where soundings in 12 and 16 feet were taken, the last-mentioned only about 20 feet from the shore, indicating a steep slope in this position. Some of the bays are filled with reeds. Temperatures taken in the deep part at the east end, at 2 p.m. on the date of the survey, gave 55°·0 Fahr. at the surface and 54°·6 at a depth of 17 feet.

In the ten lochs included in the following table 994 soundings were taken; the aggregate area of water surface is 3·35 square miles, so that the average number of soundings per square mile of surface is 296. The aggregate volume of water contained in the lochs is estimated at 6679 millions of cubic feet. The area drained by these lochs is over 59 square miles, or nearly 18 times the area of the lochs.