

an independent stream, the Rannoch river. The fishings in these lochs are strictly preserved.

*Loch Doire nam Mart* (see Plate XXV.).—Loch Doire nam Mart (or Durinemart, or Durinemast) lies about  $3\frac{1}{2}$  miles north-west of Loch Aline. It trends in a north-west and south-east direction, and is nearly two-thirds of a mile in length, the maximum breadth exceeding a quarter of a mile. Its waters cover an area of about 72 acres, and the area draining into it exceeds 2 square miles. The maximum depth of 48 feet occupies a central position, but rather nearer the northern than the southern end. The volume of water is estimated at 67 million cubic feet, and the mean depth at over 21 feet. The loch was surveyed on August 18, 1904, when the elevation was found to be 37·2 feet above the sea; the Ordnance Survey officers found the elevation to be 36·6 feet above sea-level on March 16, 1867. The loch is simple in conformation, about 57 per cent. of the lake-floor being covered by less than 20 feet of water.

*Loch Arienas* (see Plate XXV.).—Loch Arienas (or Ari-Innes) lies about 2 miles north of Loch Aline, and trends in a west-north-west and east-south-east direction, being widest in the central part, and narrowing towards both ends. It is nearly 2 miles in length, with a maximum breadth of three-quarters of a mile, the mean breadth being about one-third of a mile. The shore-line is regular on the northern side, except for the projecting delta at the mouth of the Arienas burn, the southern shore being more irregular. The loch covers an area of about 420 acres, or two-thirds of a square mile, and the area draining into it exceeds 8 square miles, including that draining into Loch Doire nam Mart. The maximum depth of 116 feet was found almost in the centre of the loch. The volume of water is estimated at 1035 millions of cubic feet, and the mean depth at  $56\frac{1}{2}$  feet. The loch was surveyed on August 18 and 19, 1904, when the elevation was 31·3 feet above the sea; on March 4, 1867, the Ordnance Survey officers found the elevation to be 36·0 feet above sea-level, or nearly 5 feet higher than in 1904. Thus in March, 1867, Loch Doire nam Mart was only half a foot higher than Loch Arienas, whereas in August, 1904, it was about 6 feet higher.

Loch Arienas forms a simple basin, the contour-lines coinciding approximately with the outline, but approaching closer to the northern shore, where the slope is steepest. The following table, giving the areas between the contour-lines, indicates the flat-bottomed character of the basin :—

Feet.				Acres.		Per cent	
0 to	25	...	...	110	...	26·1	
25 „	50	...	..	85	...	20 2	
50 „	75	...	..	78	...	18·6	
75 „	100	...	..	77	...	18 5	
Over	100	...	...	70	...	16 6	
				—	...	—	
				420		100 0	