

Feet.				Acres		Per cent.
0 to 25	...	...	...	74	...	54
25 „ 50	...	...	...	45	...	38
Over 50	...	...	...	18	..	13
				—		—
				187		100

*Temperature Observations.*—The following series of temperatures taken in the deepest part of the loch at 5 p.m. on the date of the survey shows (as in the case of Dubh Loch) a uniform temperature in the upper layers of water, with a maximum fall beyond the depth of 50 feet:—

Surface	...	...	..	..	...	55°·3 Fahr.
5 feet	...	...	.	..	...	55°·3 „
10 „	...	...	...	...	...	55°·3 „
20 „	...	...	...	...	...	55°·3 „
30 „	...	...	...	..	...	54°·9 „
50 „	...	...	...	.	..	54°·0 „
60 „	...	..	...	...	..	51°·8 „

Here the total range is only 3°·5, and the fall of temperature between 50 and 60 feet 2°·2; while in Dubh Loch the range was larger, the surface temperature being higher and the bottom temperature lower, and the fall of temperature greater, than in Loch Bad an Sgalaig.

*Loch a' Bhealaich* (see Plate XIX.).—Loch a' Bhealaich (or Vallich) lies less than a mile to the south-west of Loch na h-Oidche, and is almost continuous with Loch a' Ghobhainn, the stream flowing from Loch a' Bhealaich into Loch a' Ghobhainn being only about 200 yards in length. Loch a' Bhealaich trends in a west-north-west and east-south-east direction, and is  $1\frac{3}{4}$  miles in length, varying considerably in width, the maximum width being less than half a mile, while the mean breadth of the entire loch is a quarter of a mile. Its waters cover an area of about 279 acres, or nearly half a square mile, and it receives the drainage from an area of 5 square miles. The maximum depth of 92 feet was observed near the middle of the wide eastern portion, about a quarter of a mile from the east end of the loch and towards the northern shore. The volume of water is estimated at 398 millions of cubic feet, and the mean depth at  $32\frac{3}{4}$  feet. The loch was surveyed on August 8, 1902, but the elevation of the lake-surface above the sea could not be determined.

Loch a' Bhealaich is complex in conformation, including three deep basins exceeding 50 feet in depth, separated by shallower water, the shoalings coinciding with constrictions in the outline. The largest and deepest basin is contained in the wide eastern portion of the loch, where there is a 50-foot area nearly half a mile in length, by a quarter of a mile in maximum width. Separated from this eastern basin by a short interval, in which a maximum depth of 40 feet was observed, is a small central 50-foot area, based on soundings in 51, 55, and 55 feet, a quarter of a mile in length. This central area is separated by a longer interval, in which a