

The areas between the consecutive contour-lines drawn at equal intervals, and the percentages to the total area of the loch, are as follows:—

0 to 100 feet	2632 acres	54·4 per cent.
100 ,, 200 ,,	968 ,,	20·0 ,,
200 ,, 300 ,,	711 ,,	14·7 ,,
300 ,, 400 ,,	484 ,,	10·0 ,,
Over 400 ,,	45 ,,	0·9 ,,
	<u>4840</u> ,,	<u>100·0</u> ,,

This table shows that more than half of the entire floor of Loch Shiel is covered by less than 100 feet of water, and about three-fourths by less than 200 feet, while only 1 per cent. is covered by water exceeding 400 feet in depth. The slope of the bottom is on the whole gentle, but in certain places deep water was found comparatively close inshore, and the consequent crowding of the contour-lines indicates a steeper slope than usual in these positions.

Temperature Observations.—Numerous observations were made on the temperature of the surface water of Loch Shiel during the week spent on the survey, the range observed being 8°·2, from 54°·2 to 62°·4. Three serial temperatures were taken beneath the surface, with the following results:—

TABLE OF SERIAL TEMPERATURES TAKEN IN LOCH SHIEL.

Depth in feet.	July 5, 1902, 6 p.m. Off Scamodale.	July 8, 1902, Off Eilean Druim nan Laogh.	July 9, 1902, 5 p.m. 3 miles from head of loch.
	° Fahr.	° Fahr.	° Fahr.
0	57·1	55·9	56·5
5	...	54·9	...
10	57·0	54·5	...
20	56·3	54·4	56·5
30	55·5	...	...
50	50·2	54·0	56·0
75	...	50·9	...
100	47·0	47·0	47·4
130	...	46·2	...
200	45·7	...	45·2
280	45·3	...	...
300	...	...	45·2
400	...	...	45·3

In this table the observations are arranged chronologically, but the series given in the first column was taken about midway between the other two series, the second column giving a series taken towards the foot, and the third column a series taken towards the head, of the loch. The central series in the first column was taken three days earlier than the others, and is therefore not strictly comparable; it shows a higher temperature in the surface waters, and a lower tempera-