

|              |              |                |
|--------------|--------------|----------------|
| 0 to 25 feet | 78 acres     | 55·4 per cent. |
| 25 „ 50 „    | 49 „         | 34·3 „         |
| Over 50 „    | 15 „         | 10 3 „         |
|              | <u>142 „</u> | <u>100·0 „</u> |

*Temperature Observations.*—The following serial temperatures were taken at 3 p.m. on July 8, 1902, in the deepest part of Loch Dilate:—

|         |    |    |     |             |
|---------|----|----|-----|-------------|
| Surface | .  | .  | .   | 62°·3 Fahr. |
| 10 feet | .  | .  | .   | 62°·3 „     |
| 20 „    | .  | .  | .   | 62°·3 „     |
| 25 „    | .. | .  | .   | 61°·5 „     |
| 30 „    | .  | .. | .   | 55°·3 „     |
| 50 „    | .  | .  | ... | 53°·3 „     |

This series shows a constant temperature from the surface down to a depth of 20 feet, a slight fall of 0°·8 between 20 and 25 feet, then a very rapid fall of 6°·2 between 25 and 30 feet (a fall exceeding 1° per foot of depth), and a further fall of 2° between 30 and 50 feet, the extreme range of temperature being 9° Fahr.