

of Shetland, measuring $1\frac{1}{3}$ miles in a straight line between the extreme points. The maximum breadth, in the middle, is nearly half a mile.

The loch forms a simple basin, very shallow near the north end. The bottom slopes very gradually down to 20 feet, after which the slope is steeper. The area over 30 feet deep is very narrow, and includes a very small area of over 40 feet founded on a single sounding of 41 feet. The superficial area is 213 acres, or one-third of a square mile, and the volume of water, 111 millions of cubic feet, shows the loch to be the third largest in Shetland. The area drained, including the Loch of Brow, is nearly 6 square miles. The principal streams entering the loch are that from the Loch of Brow, the Burn of Hillwell near the south end, and the Burn of Scousburgh in the north. The outflow is through a narrow bar, the Beach of Spiggie. The surface was only 4.0 feet above the level of the sea on July 3, 1903, as compared with 3.8 found by the Ordnance Survey on October 24, 1900.

The temperature was uniform throughout, viz. $56^{\circ}8$ Fahr.

Loch of Brough (see Plate XCV.) is a very small loch towards the west side of Bressay. It is the upper loch in the Setter basin, and lies at an elevation of 75.1 feet between two low hills. This elevation was determined on June 30, 1903, when the water was very low, and liable to rise 3 feet higher; when visited by the Ordnance Survey officers on June 14, 1876, the level was 77.6 feet above the sea. It is of oblong form, measuring nearly one-third of a mile from north to south, by one-eighth of a mile in greatest breadth, at the north end. It is flat-bottomed, with a mean depth of 2 feet, and a maximum of 4 feet. The area is 19 acres, the volume 2 millions of cubic feet, and the drainage area is half a square mile. A small burn flows a quarter of a mile north into the Loch of Setter. There is a deposit of peat and sand on the south-east end of the loch. The loch was lowered by a drain some years ago, in order to allow carts to pass along the shore. The surface temperature was $55^{\circ}6$ Fahr.

Loch of Setter (see Plate XCV.) is a very small loch close to the shore of the Voe of Cullingsburgh, on the east side of Bressay, at a height of 43.2 feet above the sea. This elevation was found both by the Lake Survey on June 30, 1903, and by the Ordnance Survey on June 14, 1876; this is practically the lowest level, and the water may rise 3 feet higher. It is almost circular, measuring one-fifth of a mile in greatest diameter. It is in all respects by far the smallest loch in Shetland. Its greatest depth is 2 feet, and its mean depth 1 foot; the surface area is 14 acres, and the volume of water, half a million cubic feet, is one-third of that of the Loch of Brough, the nearest to it in size. The drainage area, which includes the Loch of Brough, is rather more than a square mile. When surveyed the loch was much overgrown with weeds. The surface temperature was $56^{\circ}3$ Fahr.