

sent this report, also full diary by Mr. Deans, our manager, as I anticipated you would want it. I can only add that our hatching-boxes at Rowell's Spring, Lake Wakatipu, were on a terrace about 150 feet above the level of the lake. The ground used was fenced-in, and had an awning thrown over it. The boxes were mostly from 10 to 12 feet long; total length used for the 250,000 ova being 60 feet. They were in capacity, 12 inches by 6 inches, and were set with the smallest possible inclination, just enough to maintain the passage of the water. No gravel was used; the depth of water was 5 inches, and every box had the light excluded by means of boards carefully laid on each. The other facts as to daily thermal readings are already recorded in previous report, as also analysis of the water.

I can only add my opinion that, seeing we were unsuccessful in keeping the young fish alive for more than a day or a day and a half, also that Mr. Worthington and Mr. Howard, who were carrying on similar hatching operations in the Lake Wakatipu itself of whitefish ova at the same time, were not successful, the failure is due to some obscure cause as yet unexplained. As already stated, I am by no means without hope that the ova turned adrift in the lake will yet reappear as whitefish.

I have, &c.,

W. ARTHUR,

Honorary Secretary.

The Hon. the Colonial Secretary.

---

By Authority: GEORGE DIDSBUXY, Government Printer, Wellington.—1880.

Price 6d.]