

*Wallace County*

Sluicing operations have been carried out in the old township alluvial areas at Orepuki.

During the year the Round Hill Gold-mining Co., Ltd., operating on the flat between the Ourewera stream and Lake George, have sluiced and elevated approximately 2 acres to a depth of 50 ft. The ground worked during the year proved to be very hard and difficult to work, as the overburden, in addition to containing a large quantity of timber, has yielded large lenses of hard, stiff clay which has had to be drilled and blasted before it could be sluiced. The water-supply has also been affected at times on account of the lengthy periods of dry weather.

*Lake County*

*Paradise Scheelite-mine.*—The tributers have continued sluicing operations on the outcrop of the main reef and are now 40 ft. below the bottom level.

*Glenorchy State Scheelite-mine.*—Tributers have done a small amount of work in the Glenorchy Mine. A tribute party has been operating on the Kelly Lode, to the north of that section known as Kelly's Bath.

*The State Mine Treatment Plant.*—This plant has been kept in order by the tributers and scheelite-bearing ore from Paradise, the Bonnie Jean Basin, Mount Judah, and the Rees Valley has been treated.

*Heather Rock Syndicate (Wylie Bros.).* (Western Slopes of Mount Larkins).—Stoping operations have been carried out in the top level stope and the low level has been extended to 140 ft., where the hanging wall of the reef was intersected and scheelite-bearing ore located. The aerial ropeway from the mine to the treatment plant storage bin has increased the transport efficiency and 45 tons of selected ore has been sent to the Groves Battery.

*Bonnie Jean Mine (Elliot Bros. and Tripp).* (South-western slope of Mount Larkins).—Stripping and mining operations have been carried out on the northern section of the reef. Some driving has also been carried out in the southern section of the reef.

*McAlister's Reef* (above Bucklerburn Bonnie Jean Aerial Ropeway Terminal).—A water-supply has been brought to this mine from the Groves Creek, the water being conveyed through pipes on the cliff section, and by water-race in the open section. The overburden is now being removed by sluicing.

*Eureka Mine* (below Bonnie Jean Terminal of Bucklerburn Aerial Ropeway).—Considerable prospecting work has been carried out on this reef-line.

*The Hercules Mine (G. Ross and Party).* (on the Lower Southern Slopes of Mount McIntosh).—Prospecting operations have been carried out both inside the Hercules Mine and outside on the line of the lode, but nothing of importance was located. Prospecting operations are now being carried out on other areas.

*Long Gully Extended Mine* (on the Mid-southern Slopes of Mount McIntosh).—No work was carried out at this mine.

*Muddy Terrace Mine, Upper Rees Valley.*—Mining operations have been continued during the working season and good ore is being won. The value of scheelite concentrates has advanced very considerably during the year. Messrs. Dalgety and Co. are the principal purchasers.

*The Twelve-mile or Few's Creek, Lake Wakatipu.*—Very little work has been done on this area.

*Dynamo Flat, (Left-hand Branch, Skipper's Creek).*—The Mount Aurum Syndicate has continued to operate Currie's Reef during the mining season.

*Copper Creek Mining Party.*—A reef located in Copper Creek, Mount Aurum Basin, has been tested by trenching and driving. Gold and antimony ore have been located, but further prospecting is required in order to obtain the economic value of the reef.

*Crystal Reef, Sawyer's Gully, Skipper's.*—Prospecting work has been carried out on the reef outcrop to the north of the main top level in very disturbed country.

*Floodburn, Upper Shotover.*—No work has been carried out on this area on account of the November, 1946, flood damage and the shortage of back-country labour.

The Schieb-Sutherland party continued operations in the bed of the Shotover at the downstream end of the Big Slip and succeeded in bottoming the paddock. On account of the constant flood damage, this party decided to move to another section of the Shotover River below Maori Point. Water-races and dams have been reconditioned. The mining plant and equipment has been removed from the Big Slip to the new site, where the pipe-line is being installed, and a section of the river-bed between the point where the Deep Creek Co. ceased operations and the commencement of the Maori Point operations of Skipper's Ltd., will be mined by wing dam and elevating methods. Mining operations have also been carried out in the shallow sections of the bed of the river between the Long Gully and Deep Creek by using a petrol-operated Homelite pump for pumping seepage water.

The Atley Bros. have continued wing dam and elevating operations on their river claim in the gorge two miles downstream from the Long Gully Junction.

*Arrow River.*—The Golden Arrow Gold-mining Co. resumed operations at the silted paddock on the right-hand or western side of the Arrow River bed upstream from the Bush Creek Junction.