

*Kyeburn Diggings*.—Three claims were worked during the year. The gold won amounted to 170 oz., valued at £692.

*Palaeoroa*.—Four men were employed at alluvial mining in this locality; 143 oz. gold, valued at £557, were recovered.

#### TUAPEKA COUNTY.

*Gabriel's Gully Sluicing Company (Blue Spur)*.—This company was operating in the cement deposit throughout the year. Sixteen men were employed, and the yield of gold was valued at £3,800.

*Lawrence Sluicing Company (Blue Spur)*.—Sluicing and elevating from Kitto's old paddock has been continuously carried on during the year. Water under a hydraulic head of 650 ft. is used for breaking down the auriferous cement. Gold valued at £2,706 was produced, being an increase of £1,419 on the previous year's output. Seven men were employed.

*Golden Crescent Sluicing Company (Weatherstone)*.—The cement worked during the year was of low grade, consequently a falling-off is noticeable in the returns, the yield of gold being valued at £1,663, as against £1,938 for 1920.

*Havelock Sluicing Company (Waitahuna)*.—The company's water-race was extended to command shallow ground between Waitahuna and Forsyth. Returns for the year show that gold valued at £1,078 was produced, and dividends amounting to £200 were paid.

*Sailors' Gully Sluicing Company (Waitahuna)*.—A paddock taken out of the cement in the early part of the year gave disappointing results. Operations were then directed to working a deposit of clay and gravel resting on the cement, from which payable returns were secured. The production of gold amounted to 847 oz., valued at £3,498, and £840 was paid in dividends.

*Waipori*.—Ten men were employed in this locality during the year. Five claims were worked, producing 637 oz. gold, valued at £2,579. The principal producers were—R. J. Cotton, 155 oz., valued at £620; Dunedin City Corporation, 280 oz. 10 dwt., valued at £1,122.

*Teviot Molyneux Gold-mining Company (Roxburgh)*.—This company's claim having proved unpayable, operations ceased towards the end of the year.

#### VINCENT COUNTY.

*Matakanui*.—Donnelly and party, tributers, in the Undaunted Tinkers Gold-mining Company's claim, produced 193 oz. gold, valued at £802.

*Nevis*.—Seven sluicing and elevating claims were in operation during the year. The yield of gold amounted to 1,532 oz., valued at £6,278. The principal producers were—Graham and party, 696 oz., valued at £2,867; and Ellis and party, 495 oz., valued at £2,056. Soper and party were engaged in prospecting an extensive area of river-flat in the Upper Nevis with encouraging results.

*Old Man Range*.—In the Advance Mine a winze was sunk 25 ft. on White's reef at the battery level. The reef averaged about 2 ft. in width, and a crushing of 50 tons taken from it yielded 46 oz. 17 dwt. 7 gr., valued at £189 11s. The mine is owned and worked by R. T. Symes. Two men are employed.

#### LAKE COUNTY.

*Shotover River*.—Eighteen miners were engaged in sluicing operations in the Shotover River and its tributaries during the year. The total yield of gold from the district amounted to 683 oz., valued at £2,933. Campbell and Murray were the principal producers, with 159 oz. 4 dwt., valued at £796.

*Glenorchy*.—Thornton and Fitt, owners of the Invincible Mine, drove 253 ft. to prospect the reef 40 chains south-west of the old Invincible Company's workings. Two quartz veins, each about 1 ft. in width, were cut. Samples taken from these veins assayed from 1 dwt. 7 gr. to 4 dwt. 21 gr. per ton.

The Glenorchy Scheelite Company's mines and other scheelite-mines in this district were closed down throughout the year.

#### WAIHEMO COUNTY.

*Golden Point Mine (Macrae's)*.—This mine was purchased from the Golden Point Gold and Scheelite Mining Company by David Peddie and party. Operations were commenced under the new ownership in September. Work in the mine was confined to sinking and stoping on the Home reef at the intermediate level. The battery was overhauled, and five head of stamps put into commission. A crushing of 112 tons of ore yielded 38 oz. gold, valued at £152.

None of the scheelite-mines in this locality were worked during the year.

#### SOUTHLAND COUNTY.

*Nokomai Hydraulic Sluicing Company (Nokomai)*.—The company's water-races were cleaned out and repaired in the early part of the year. Sluicing and elevating has been in progress at Nos. 2 and 3 claims in Victoria Gully. The yield of gold amounted to 1,514 oz., valued at £5,977. Thirty-three men were employed.

*Muddy Terrace Sluicing Company (Waikaia)*.—A paddock was taken out on the flat near Maori Gully, where good prospects were found when drilling for shale some years ago. The auriferous gravel was confined to a small pocket, which was soon exhausted, and work in this part of the company's claim was discontinued. Sluicing has been carried on in Mathewson's and Maori Gullies. Nine men were employed, and the gold won during the year amounted to 159 oz., valued at £631.

*Athol*.—Blakely and McLister, Wakatipu Gully, produced 150 oz., valued at £600, and A. Mutch, Paddy's Alley, 261 oz., valued at £1,044.

#### WALLACE COUNTY.

*Round Hill Mining Company*.—The company's two elevators have been in operation throughout the year. Payable ground is being worked in No. 2 claim, which will probably extend through to the beach. Eighteen men were employed. The amount of gold recovered being 998 oz., which realized £4,431.

*Ourawera Gold-mining Company (Round Hill)*.—This company's operations were hampered by a scarcity of water, there being only sufficient at times to keep one shift of men employed. The yield of gold for the year was valued at £934.

*Orepuki and Pahia*.—The gold produced in these localities during the year amounted to 228 oz., valued at £911. Eight miners were employed.

#### Dredge-mining.

This branch of mining provided employment for fifty-four men, and produced gold valued at £11,158.

The Kura dredge at Freshford, Waikaia, was destroyed by fire in April. F. Jones and party purchased the Nevis Crossing dredge, and commenced operations in September. The lower Nevis and Ferry dredges were dismantled during the year.

#### Minerals other than Gold.

*Scheelite*.—No scheelite was produced during the year. The mines at Glenorchy, Macrae's, and The Reefs were idle, and operations will not be resumed until a better price is obtainable for the mineral.

*Cinnabar*.—This mineral was discovered on Section 8, Block XI, Greenvale Survey District, during 1921 by J. B. Graham and party. To test the deposit at a depth of 100 ft. below the outcrop an adit has been driven 362 ft. A quartz vein 6 in. wide was cut at 341 ft. from the surface. Traces of cinnabar occur in joint-planes in the country, but the quartz vein is barren where cut through in the drive.

*Molybdenite*.—Quartz reefs carrying molybdenite were found on Sections 5 and 6, Block XIV, Waiau Survey District, but the amount of mineral in the ore was too small to be of commercial value.

*Phosphate Rock*.—The Ewing Phosphate Company produced 3,128 tons of phosphate rock, valued at £3,128, from the quarries at Milburn and Clarendon.

*Ochre*.—A deposit of ochre was found on Section 51, Block III, Lauder Survey District, the property of F. W. Wilson. Two tons were taken out and used in the manufacture of paint.

#### Accidents.

No serious accidents occurred in the Southern Inspection District during 1922.