

TABULATED STATEMENT SHOWING PARCELS OF ORE TREATED AT THAMES SCHOOL OF MINES EXPERIMENTAL PLANT DURING 1896-97.

| Name of Mine and District.         | Description of Ore.                               | Weight of Ore. | Assay-value of Ore per Ton. |              |         |        | Method of Crushing.  | Bullion saved. | Value per Ounce. | Percentage saved. |         |        |
|------------------------------------|---------------------------------------------------|----------------|-----------------------------|--------------|---------|--------|----------------------|----------------|------------------|-------------------|---------|--------|
|                                    |                                                   |                | Gold.                       |              | Silver. | Value. |                      |                |                  | Gold.             | Silver. | Value. |
|                                    |                                                   |                |                             |              |         |        |                      |                |                  |                   |         |        |
| By PAN-AMALGAMATION.               |                                                   |                |                             |              |         |        |                      |                |                  |                   |         |        |
|                                    |                                                   | Lb.            | Oz. dwt. gr.                | Oz. dwt. gr. | £ s. d. |        | Oz. dwt. gr. £ s. d. |                |                  |                   |         |        |
| A. Kummert, Whangamata             | Hard rusty-coloured quartz                        | 1,200          | 0 18 21                     | 0 17 16      | 3 17 0  | Dry    | 1 1 6 1 14 2         | 88.4           | 78.9             | 88.4              | 88.4    | 88.4   |
| Waihi Dredging                     | Tailings containing roots                         | 3,360          | 0 6 7                       | 1 9 0        | 1 7 9   | ...    | 0 6 16 1 3 7         | 20.0           | 11.2             | 18.75             | 18.75   | 18.75  |
| B. Murray, Kennedy's Bay           | Rubby quartz, with ferruginous veins              | 560            | 0 10 2                      | 1 11 3       | 2 3 6   | Dry    | 0 3 1 2 10 1         | 74.5           | 15.0             | 70.3              | 70.3    | 70.3   |
| Tiki, Coromandel                   | Hard dark quartz                                  | 2,050          | 1 3 22                      | 0 12 9       | 4 16 9  | "      | 1 6 16 2 16 1        | 84.8           | 69.4             | 83.9              | 83.9    | 83.9   |
| Carnage, Coromandel                | Rusty-brown glassy quartz                         | 1,800          | 0 2 5                       | 0 2 12       | 0 9 1   | "      | 0 3 0 2 2 0          | 86.7           | 72.9             | 86.1              | 86.1    | 86.1   |
| Carnage, Coromandel, second parcel | Rusty quartz...                                   | 2,000          | 0 1 18                      | 0 3 3        | 0 7 3   | "      | 0 3 8 1 12 2         | 82.8           | 73.1             | 82.3              | 82.3    | 82.3   |
| Moa, Tokatea                       | Free-milling quartz                               | 830            | 2 17 23                     | 1 7 18       | 11 14 4 | "      | 1 8 19 2 16 7½       | 94.1           | 80.0             | 93.9              | 93.9    | 93.9   |
| Young New-Zealand, Waitekauri      | Densely mineralised                               | 2,750          | 1 10 6                      | 2 14 4       | 6 5 9   | "      | 1 10 22 2 3 2        | 44.9           | 22.3             | 44.0              | 44.0    | 44.0   |
| Westport                           | Cement sand                                       | 60             | 0 11 7                      |              | 2 4 0   | ...    | ...                  | 93.7           | ...              | 93.7              | 93.7    | 93.7   |
| Conservative, Thames               | Quartz, with much manganese                       | 2,100          | 0 7 13                      | 1 0 5        | 1 11 11 | Dry    | 0 10 6 2 1 5         | 73.5           | 25.9             | 70.8              | 70.8    | 70.8   |
| Midas, Knaotunu                    | Light-brown quartz                                | 2,560          | 0 2 18                      | 0 3 18       | 0 11 4  | "      | 0 6 12 1 16 4        | 90.3           | 80.0             | 89.7              | 89.7    | 89.7   |
| Royal Mail, Puru                   | Banded quartz, with much red oxide of iron        | 1,050          | 0 3 4                       | 0 3 3        | 0 13 0  | "      | 0 2 10 2 5 6         | 91.3           | 72.0             | 90.0              | 90.0    | 90.0   |
| A. Smith, Bluff                    | Clean white quartz                                | 1,280          | 0 2 12                      | 0 2 12       | 0 10 3  | "      | 0 2 16 1 16 9        | 84.0           | 85.2             | 84.2              | 84.2    | 84.2   |
| J. Teddy, Puriri                   | Compact grey quartz                               | 1,500          | 0 8 4                       | 0 8 19       | 1 13 5  | "      | 0 10 0 2 1 5         | 92.8           | 75.6             | 92.5              | 92.5    | 92.5   |
| Maraetai No. 1                     | Dark slaty country                                | 1,400          | ...                         | Nil          | ...     | "      | Nil                  | ...            | ...              | ...               | ...     | ...    |
| Maraetai No. 2                     | Slaty country containing loose rubbly dirt        | 1,600          | 0 2 6                       | 0 1 6        | 0 9 1   | "      | 0 1 21 2 12 10       | 76.2           | 70.0             | 76.0              | 76.0    | 76.0   |
| Grace Darling, Waitekauri          | Rubby quartz containing iron and manganese oxides | 310            | 0 15 3                      | 3 4 7        | 3 6 2   | "      | 0 5 15 1 6 10        | 86.5           | 40.2             | 82.5              | 82.5    | 82.5   |
| Wairongomai No. 2                  | White glassy quartz                               | 1,200          | 0 5 1                       | 0 6 23       | 1 0 9   | "      | 0 4 2 1 18 6         | 71.1           | 53.9             | 70.7              | 70.7    | 70.7   |
| Wairongomai No. 4                  | White glassy quartz                               | 1,200          | 0 2 12                      | 0 15 3       | 0 11 3  | "      | 0 4 19 0 17 6        | 72.4           | 45.4             | 69.1              | 69.1    | 69.1   |
| Maratoto                           | Grey quartz, with blue veins                      | 2,700          | 3 13 3                      | 93 1 4       | 22 15 4 | "      | 78 19 19 0 5 10      | 94.5           | 65.7             | 84.1              | 84.1    | 84.1   |
| Sapphire, Mercury Bay              | Hard grey quartz                                  | 1,250          | 0 0 10                      | 0 7 13       | 0 2 4   | "      | 0 3 22 0 5 5         | 75.5           | 88.9             | 78.6              | 78.6    | 78.6   |
| Proprietary, Taitapu               | White splintery quartz                            | 225            | 12 9 13                     | 1 11 13      | 50 0 11 | "      | 1 7 7 3 9 8          | 95.1           | 94.2             | 95.0              | 95.0    | 95.0   |
| Proprietary No. 2, Taitapu         | White splintery quartz                            | 4,300          | 3 15 15                     | 0 15 3       | 15 3 10 | "      | 8 4 14 3 5 11        | 92.9           | 94.5             | 93.0              | 93.0    | 93.0   |
| Proprietary No. 3, Taitapu         | Hard white quartz                                 | 2,500          | 2 2 22                      | 0 7 18       | 8 12 4  | "      | 2 15 15 3 7 10       | 98.0           | 96.0             | 98.0              | 98.0    | 98.0   |
| Proprietary No. 3½, Taitapu        | Earthy and ferruginous                            | 106            | 4 18 7                      | 0 10 2       | 19 14 0 | "      | 0 4 22 3 10 10       | 93.4           | 94.0             | 93.5              | 93.5    | 93.5   |
| Great Barrier No. 1                | Grey quartz, with sulphides                       | 1,300          | 0 5 1                       | 21 4 16      | 2 17 4  | "      | 6 13 18              | ...            | ...              | ...               | ...     | ...    |
| Great Barrier No. 2                | Grey quartz, with sulphides                       | 1,400          | 0 2 6                       | 12 17 8      | 1 11 6  | "      | 3 8 8 0 2 8          | 60.2           | 40.5             | 46.3              | 46.3    | 46.3   |
| Great Barrier No. 3                | Grey quartz, with sulphides                       | 1,300          | 0 5 1                       | 54 12 15     | 5 15 9  | "      | 20 10 4 0 1 8        | 33.6           | 54.0             | 50.5              | 50.5    | 50.5   |
| Great Barrier No. 4                | Grey quartz, with sulphides                       | 1,450          | 0 3 18                      | 39 10 5      | 4 4 1   | "      | 17 3 3 0 1 11½       | 45.2           | 65.9             | 62.2              | 62.2    | 62.2   |