

Regional Whole Rock Analyses 1977

1

Faro Schist Map Unit

015079

1 F Metabasite

1863 ✓

788 ✓

1907 ✓

812 ✓

3

Calc-Silicate Map Unit

3 C Metabasite

Vangorda

Faro

Swim

1922 ✓

1025 ✓

1917 ✓

306

1559

~~151~~ ✓

154 155-151

371

1552

3 G Non-carbonaceous siliceous musc-chlor ± bio phyllite

Vangorda

Faro

Swim

1926 ✓✓ 1898 ✓✓

921 ✓✓ 1897 ✓✓

987 ✓ 1901 ✓✓

887 ✓✓ 1684 ✓✓

905 ✓✓ 1166 ✓✓

711 ✓✓

706 ✓✓

597 ✓✓

844 ✓✓ 58

20 ✓✓

1549 ✓

4

Phyllite Map Unit

4 D Metabasite

Vangorda

Faro

Swim

1778 ✓✓ 1080 ✓✓

1142 ✓✓ 1241 ✓✓

1192 ✓✓ 1776 ✓✓

1329 ✓✓ 1214 ✓✓

742 ✓✓ 1480 ✓✓

1459 ✓✓ 758 ✓✓

1487 ✓✓ 1497 ✓✓

692 ✓✓

1402 ✓✓

1413 ✓✓

4 G Chloritic Phyllite

1739 1720

6

Amygdaloidal Chloritic Phyllite

Vangorda

Faro

Swim

1129 ✓

1481 ✓ 1617

1135 ✓

1487 ✓ 830 ✓ 50

1912 ✓

1458 ✓

1138 ✓

1505 ✓

Totals

| | | |
|----|---|-------|
| 1F | - | 4 |
| 3C | - | 7 |
| 3G | - | 16 |
| 4D | - | 17 |
| 4G | - | 2 |
| Q | - | 10 |
| | | <hr/> |
| | | 56 |

Conodont Samples

- 1772 (2)
- 1203 (2)
- 1148 (2)
- 1216 (2)
- 76X11, 354-356, 546-551, 361-370, 485.5-488, 561-564
- 1923
- 1100
- 1717
- 1625a (3)
- 1690
- 1916
- 1307

Sent to
B.E.B. Cameron

Volcanic Rocks

| | | | | | | |
|-----------------------|------|---------------------------------|------|------------------|--------------------|------|
| 1863 (3) IFO in IC | 1241 | 4D Dy grid | 1912 | ACP Vangorda Ck. | Unit 1 metabasites | - 3 |
| 1778 4D (VGS) | 1776 | (2) 4D Blind Ck. Rd. | 1487 | 4D Corn. Rd. E | 3 metabasites | - 4 |
| 788 IFO in IC | 366 | (2) 3C Power line | 1485 | ACP " " " | 4 metabasites | - 14 |
| 1142 4D Sun (Grum) | 742 | (2) 4D H ₂ O storage | 1505 | ACP " " " | chlor. tufts | - 1 |
| 1192 4D - Big Bend | 1907 | (3) IFO TRM rd. | 1617 | ACP " " N | 5 ACP | - 8 |
| 1129 ACP - Ind. Rd. | 1025 | 3C Dy road | 830 | ACP Mum rd | | 30 |
| 1329 4D Shrimp L. | 1135 | ACP Cp trench | 692 | 4D Corn. Rd. E | | 2 |
| 1922 3C Grum pit | 1917 | 3C/4D N. Grum | 1480 | 4D " " N | | |
| 1080 4D NW Sun | 1739 | (2) 4G (E) Doal | 758 | 4D Ski Hill | | |
| 1481 ACP SW Tail Pond | 1459 | 4D Corn. Rd. E | 1497 | 4D Corn Rd N | | 30 |

Check
1485 (4/58)
which is it

1459
1480
1481
1485
1487
1491

Anvil Range Samples

| | | | | | | |
|--------------------------|-----------------|---------------------|------|--------------------|---------------------|----------------------------|
| 1926 4A N. Doal Lk | 1723 | 4E tuffs Dy/Gale | 1702 | 4F W. And. Rd | 1292 | 4A E. Vang. Ck. |
| 955 4A Rich | 1898 | 4A Dy West | 1723 | 4E N. Gale | 743 | 3D S H ₂ O res. |
| 921 4A " | 1896 | 3D Rich hill | 1712 | 4D ? | 1681 | 4A E. Van. Ck |
| 914 4A W. Van. Ck. | 1895 | (2) 3D/4A Rich Hill | 1710 | 4E W. And. Rd | 744 | 3D S H ₂ O res. |
| 1924 4A E. Doal Lk. | 1897 | 3D/4A " " | 1696 | 4D " " " | 1168 | 4B E. Van. Ck. |
| 987(2) 4A E. Rich | 1683 | 4A Van. Ck. N | 1707 | 4E And. Rd | 1784 | 3D NE Faro grid |
| 1919 3FD Sil. Coq. Firth | 1901 | 4A/3D Dy West | 1719 | 4G N. Gale | 1165 | |
| 1075 3FD " " Tie | 1008 | 4A Rich/Dy | 1705 | 4C/4A? E. And. Rd. | 1805 | 4A E. Van. |
| 875A OR2 Anvil Bath | 1637 | 4A CPC | 122 | 4E W. And. Rd. | 1164 | 1C NE Faro grid - ditch |
| 1688 4A W. Van. Ck. | 1637 | 4C Old guard house | 1894 | 1D0 W. Faro grid | 1164 | 4A E. Van. |
| 881 3D Firth. | 402 | 4C Tarlings camp | 1715 | 4A/3D Rich/Dy | 1782 | 4A Dixon Ck. |
| 1922 3D/3C Grum pit | 396 | 4E And. Rd | 1724 | 4D ? | 1691 | 4A/4C?? Firth |
| 886A 4A Firth. | 1706 | 4E N. Gale | 1714 | 4D N. Gale | 1216 | 4E Blind Ck. hill |
| 887 4A " | 1722 | 4C Doal Lk. | 697 | 4D ? | 1166 | 4A E. Van. |
| 905 4A W. Van. Ck. | 1690 | 4A Van. Ck. N. | 172 | 4C S. Tail Pond | 1166 | 4D Blind Ck. Rd. |
| 869 4A Firth | 1684 | 4D S. Tie | 1895 | 3C 76x15 | 1166 | |
| NO 1134 ACP Cp trench | 1695 | 4A Van. Ck. N. | 172 | 3D/4A Rich | 1866 | - OR2 E. Faro grid |
| 750 RP 68gras. grid | 1639 | 4D S. Tie | 1895 | | 1137 | - PP - And. R. S. |
| 1161 4A Vangord. dep. | 1680 | 4A Van. Ck. | 172 | | 1166 | |
| 1625b RP Rose mine | 1717 | 4E And. Rd. | 1724 | | 67-R1 | - 3D core - Rich |
| 870 4A Firth | 1694 | 4D S Tie | 1699 | | 70-Sun 1 | ? misc core chips |
| | 1699 | 4E And. Rd. | 1708 | | RH71-032 | 4C chips N. Gale |
| | 1708 | (2) 4D | 1692 | | 885A | 4A 1/2 in Firth |
| | 1692 | 4C?? Tie | | | 1166 (2) | |
| | | | | | 1297 | 4A E. Van. |

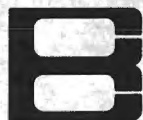
Cannot locate 1712-1716 incl.

Ames Range Samples

4A

| | | |
|--------|---------------|---|
| ✓ 1926 | N. Doal | |
| 955 | Rich | |
| ✓ 921 | Rich | |
| 914 | W. Van. Ck. | |
| 1924 | E. Doal | |
| ✓ 987 | E. Rich | |
| 1688 | W. Van. Ck. | |
| 886A | Fieth | |
| ✓ 887 | Fieth | |
| ✓ 905 | W. Van. Ck. | |
| 869 | Fieth | |
| 1161 | Van. | |
| ✓ 870 | Fieth | |
| ✓ 1898 | DY West | |
| ✓ 1895 | 3D/4A Rich | — |
| ✓ 1897 | 3D/4A Rich | — |
| ✓ 1683 | Van. Ck. N | |
| ✓ 1901 | 4A/3D Dy W | — |
| ✓ 1008 | Rich/Dy | |
| ✓ 1684 | Van Ck. N. | |
| 1680 | E Van. Ck. | |
| 1708 | | |
| 1894 | 4A/3D Rich/Dy | — |
| 0 1895 | 4A/3D Rich | — |
| 1292 | E Van. Ck. | |
| 1681 | E Van. Ck. | |
| 1165 | E. Van. | |
| 1164 | E. Van. | |
| ✓ 1782 | Dixon Ck. | |
| ✓ 1166 | E Van. | |
| 885A | Fieth | |
| 1297 | E Van. | |

| | <u>Shale</u> | <u>Shale 75 Dol 25</u> | <u>Rensselaer Gwke (119)</u> |
|--------------------------------|------------------|----------------------------|----------------------------------|
| SiO ₂ | 61.5 | 52.0 | 71.7 |
| TiO ₂ | .8 | .9 | .6 |
| Al ₂ O ₃ | 17.0 | 13.8 | 12.6 |
| Fe ₂ O ₃ | 6.5 | 8.5 | 5.0 |
| MnO | - | .2 | .1 |
| MgO | 2.5 4 | 8.8 | 1.5 |
| CaO | 1.8 | 10.7 | 1.4 |
| Na ₂ O | 1.8 | 1.9 | 2.8 |
| K ₂ O | 3.5 | 3.0 | 2.2 |



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330 - 355 Burrard Street

March 23, 1977

Vancouver, B.C. V6C 3G8

| MARKED | | SiO ₂ | TiO ₂ | Al ₂ O ₃ | Fe ₂ O ₃ | MnO | MgO | CaO | Na ₂ O | K ₂ O | P ₂ O ₅ | S | Ba ppm | |
|--------|--------------|------------------|------------------|--------------------------------|--------------------------------|---------|---------|---------|-------------------|------------------|-------------------------------|---------|-----------|-----|
| | | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | |
| 1863 | 99.45 99.45 | 48.1 | 1.00 | 15.9 | 12.1 | 0.16 | 6.30 | 9.90 | 2.75 | 0.40 | 0.25 | 0.59 | 185 | |
| | | 788 | 54.1 | 1.31 | 15.0 | 11.7 | 0.13 | 6.20 | 7.30 | 3.55 | 0.10 | 0.15 | 0.02 | 100 |
| | | 1907 | 48.8 | 2.66 | 15.0 | 13.8 | 0.17 | 5.60 | 10.6 | 1.70 | 0.25 | 0.34 | 0.26 | 145 |
| | | 812 | 50.8 | 2.58 | 13.3 | 13.8 | 0.17 | 6.70 | 10.0 | 1.10 | 0.15 | 0.27 | 0.18 | 80 |
| 1922 | 100.23 98.73 | 47.5 | 1.62 | 11.9 | 12.0 | 0.18 | 9.60 | 12.0 | 2.20 | 0.20 | 0.21 | 0.13 | 150 | |
| | | 1025 | 49.4 | 1.81 | 15.5 | 11.7 | 0.15 | 6.20 | 9.80 | 3.50 | 0.40 | 0.23 | 0.01 | 130 |
| | | 1917 | 47.8 | 1.78 | 15.5 | 11.4 | 0.14 | 7.10 | 9.50 | 4.00 | 0.05 | 0.22 | 0.01 | 102 |
| | | 366 | 50.1 | 1.88 | 15.1 | 12.1 | 0.17 | 6.80 | 9.10 | 2.80 | 0.40 | 0.18 | 0.10 | 235 |
| 1559 | | 46.5 | 3.66 | 16.0 | 13.5 | 0.14 | 5.40 | 9.50 | 3.60 | 0.50 | 0.33 | 0.25 | 100 | |
| 151 | | 48.4 | 2.50 | 15.1 | 13.1 | 0.17 | 7.10 | 8.70 | 3.10 | 0.32 | 0.23 | 0.01 | 245 | |
| 1552 | | 51.6 | 1.09 | 15.5 | 11.3 | 0.17 | 7.10 | 10.5 | 2.70 | 0.15 | 0.09 | 0.01 | 125 | |
| 1926 | 99.77 96.27 | 60.8 | 0.58 | 19.1 | 7.62 | 0.03 | 2.70 | 0.40 | 0.72 | 4.10 | 0.20 | 0.02 | 1080 | |
| 921 | | 54.2 | 0.56 | 23.5 | 9.12 | 0.06 | 2.04 | 0.25 | 1.12 | 4.00 | 0.11 | 0.01 | 961 | |
| 987 | | 56.9 | 0.76 | 18.3 | 13.2 | 0.14 | 2.52 | 0.55 | 1.55 | 3.00 | 0.10 | 0.01 | 670 | |
| 887 | | 59.5 | 0.35 | 18.5 | 9.26 | 0.07 | 1.96 | 0.25 | 0.35 | 4.20 | 0.16 | 0.02 | 2518 | |
| 905 | 99.55 96.25 | 60.3 | 0.81 | 18.6 | 8.12 | 0.08 | 2.05 | 0.22 | 0.65 | 5.15 | 0.13 | 0.14 | 828 | |
| 1898 | | 58.5 | 0.76 | 19.0 | 6.23 | 0.06 | 2.90 | 4.90 | 1.70 | 4.28 | 0.13 | 0.02 | 1370 | |
| 1897 | | 55.4 | 1.04 | 19.4 | 11.0 | 0.14 | 1.96 | 0.88 | 1.30 | 4.30 | 0.15 | 0.11 | 690 | |
| 1901 | | 59.3 | 0.73 | 18.2 | 7.23 | 0.06 | 2.81 | 2.20 | 1.25 | 4.33 | 0.14 | 0.06 | 893 | |
| 1684 | | 59.4 | 0.77 | 19.4 | 8.76 | 0.05 | 2.03 | 0.70 | 1.10 | 4.02 | 0.15 | 0.04 | 640 | |

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| MARKED | Cu | Pb | Zn | Cd | Ag | Cr | V | Co | Ni | Mo | Rb | Sr |
|--------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | ppm Percent | ppm Percent | ppm Percent | ppm Percent | ppm Percent | ppm Percent | ppm Percent | ppm Percent | ppm Percent | ppm Percent | ppm Percent | ppm Percent |
| 1863 | 360 | 44 | 122 | 1.0 | 0.6 | 192 | 262 | 51 | 79 | 4 | 24 | 390 |
| 788 | 24 | 28 | 106 | <0.2 | <0.2 | 88 | 175 | 55 | 84 | 4 | 6 | 223 |
| 1907 | 93 | 48 | 105 | <0.2 | <0.2 | 118 | 320 | 48 | 56 | 5 | 9 | 178 |
| 812 | 105 | 14 | 119 | <0.2 | <0.2 | 155 | 260 | 53 | 112 | 4 | 5 | 88 |
| 1922 | 108 | 48 | 110 | <0.2 | <0.2 | 420 | 252 | 58 | 144 | 5 | 7 | 444 |
| 1025 | 56 | 25 | 95 | <0.2 | <0.2 | 165 | 276 | 46 | 56 | 4 | 17 | 485 |
| 1917 | 111 | 19 | 75 | <0.2 | <0.2 | 305 | 236 | 50 | 112 | 4 | 5 | 970 |
| 366 | 58 | 48 | 148 | <0.2 | <0.2 | 280 | 312 | 59 | 80 | 5 | 11 | 507 |
| 1559 | 210 | 15 | 106 | <0.2 | 0.3 | 20 | 303 | 55 | 29 | 6 | 21 | 450 |
| 151 | 119 | 32 | 200 | <0.2 | <0.2 | 250 | 490 | 63 | 120 | 4 | 14 | 401 |
| 1552 | 8 | 20 | 105 | <0.2 | <0.2 | 235 | 156 | 49 | 116 | 5 | 12 | 187 |
| 1926 | 12 | 19 | 87 | <0.2 | <0.2 | 194 | 84 | 23 | 22 | 5 | 165 | 110 |
| 921 | 23 | 24 | 117 | <0.2 | <0.2 | 120 | 113 | 37 | 30 | 4 | 170 | 126 |
| 987 | 24 | 26 | 74 | <0.2 | <0.2 | 120 | 96 | 38 | 62 | 4 | 97 | 94 |
| 887 | 70 | 32 | 380 | <0.2 | <0.2 | 180 | 110 | 24 | 34 | 4 | 170 | 60 |
| 905 | 26 | 36 | 20 | <0.2 | <0.2 | 175 | 112 | 19 | 12 | 4 | 196 | 94 |
| 1898 | 14 | 11 | 72 | <0.2 | <0.2 | 135 | 90 | 25 | 32 | 4 | 195 | 236 |
| 1897 | 32 | 18 | 30 | <0.2 | <0.2 | 178 | 180 | 25 | 21 | 4 | 146 | 62 |
| 1901 | 26 | 10 | 72 | <0.2 | <0.2 | 120 | 84 | 26 | 28 | 3 | 153 | 168 |
| 1684 | 24 | 27 | 61 | <0.2 | <0.2 | 178 | 110 | 36 | 33 | 5 | 154 | 25 |

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| MARKED | Zr | Y | | | | | | | | | | |
|--------|----------------|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | ppm Percent | ppm Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent |
| 1863 | 109 | 16 | | | | | | | | | | |
| 788 | 82 | 16 | | | | | | | | | | |
| 1907 | 170 | 20 | | | | | | | | | | |
| 812 | 153 | 17 | | | | | | | | | | |
| 1922 | 78 | 10 | | | | | | | | | | |
| 1025 | 95 | 14 | | | | | | | | | | |
| 1917 | 71 | 11 | | | | | | | | | | |
| 366 | 85 | 26 | | | | | | | | | | |
| 1559 | 237 | 32 | | | | | | | | | | |
| 151 | 142 | 26 | | | | | | | | | | |
| 1552 | 43 | 17 | | | | | | | | | | |
| 1926 | - | - | | | | | | | | | | |
| 921 | - | - | | | | | | | | | | |
| 987 | - | - | | | | | | | | | | |
| 887 | - | - | | | | | | | | | | |
| 905 | - | - | | | | | | | | | | |
| 1898 | - | - | | | | | | | | | | |
| 1897 | - | - | | | | | | | | | | |
| 1901 | - | - | | | | | | | | | | |
| 1684 | - | - | | | | | | | | | | |

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| MARKED | | SiO ₂ | TiO ₂ | Al ₂ O ₃ | Fe ₂ O ₃ | MnO | MgO | CaO | Na ₂ O | K ₂ O | P ₂ O ₅ | S | Ba ppm | | |
|--------|------|------------------|------------------|--------------------------------|--------------------------------|---------|---------|---------|-------------------|------------------|-------------------------------|---------|-----------|------|------|
| | | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | | |
| 3G | 1166 | 99.88 | 95.68 | 58.3 | 0.92 | 20.3 | 8.62 | 0.07 | 1.84 | 0.28 | 0.93 | 4.25 | 0.15 | 0.02 | 868 |
| | 711 | | | 57.1 | 0.84 | 20.4 | 7.25 | 0.05 | 2.17 | 2.80 | 1.90 | 5.10 | 0.11 | 0.01 | 750 |
| | 706 | | | 53.4 | 0.80 | 20.7 | 9.01 | 0.08 | 2.62 | 4.84 | 2.05 | 5.50 | 0.11 | 0.04 | 848 |
| | 597 | | | 56.3 | 0.80 | 19.9 | 7.86 | 0.10 | 2.45 | 7.10 | 1.75 | 3.10 | 0.12 | 0.04 | 560 |
| | 844 | | | 56.3 | 0.93 | 21.0 | 8.64 | 0.06 | 2.40 | 0.50 | 1.85 | 3.65 | 0.16 | 0.01 | 728 |
| | 20 | | | 58.1 | 1.06 | 19.4 | 10.4 | 0.14 | 1.96 | 0.85 | 1.00 | 3.75 | 0.18 | 0.01 | 970 |
| | 1549 | 96.36 | 96.16 | 60.8 | 1.00 | 16.7 | 9.50 | 0.12 | 2.90 | 1.10 | 1.55 | 2.28 | 0.20 | 0.01 | 578 |
| | 1778 | | | 42.6 | 1.12 | 6.6 | 13.2 | 0.16 | 22.4 | 7.20 | 0.20 | 0.03 | 0.14 | 0.03 | 70 |
| | 1142 | | | 48.1 | 1.40 | 15.1 | 10.4 | 0.12 | 9.50 | 7.90 | 2.90 | 1.35 | 0.23 | 0.01 | 1630 |
| | 1192 | | | 48.7 | 1.10 | 7.8 | 12.8 | 0.13 | 19.0 | 3.95 | 0.20 | 0.10 | 0.15 | 0.01 | 91 |
| 3C | 1329 | 99.80 | 98.30 | 47.5 | 1.08 | 14.6 | 10.4 | 0.14 | 9.30 | 11.8 | 2.60 | 0.70 | 0.16 | 0.02 | 658 |
| | 1080 | | | 46.1 | 1.40 | 12.9 | 11.0 | 0.17 | 10.4 | 10.3 | 2.30 | 1.15 | 0.18 | 0.05 | 4242 |
| 3C | 1241 | | | 60.4 | 0.70 | 13.5 | 7.05 | 0.07 | 5.40 | 3.90 | 5.50 | 0.25 | 0.20 | 0.11 | 248 |
| | 1776 | | | 46.7 | 1.43 | 11.0 | 11.2 | 0.14 | 12.0 | 9.00 | 2.60 | 0.05 | 0.22 | 0.03 | 85 |
| | 1214 | | | 48.2 | 1.80 | 13.6 | 12.0 | 0.15 | 7.70 | 10.1 | 2.00 | 1.90 | 0.28 | 0.07 | 1408 |
| | 742 | | | 47.5 | 2.03 | 13.9 | 12.0 | 0.19 | 7.20 | 11.5 | 2.80 | 0.20 | 0.23 | 0.05 | 116 |
| | 1459 | 99.94 | 98.14 | 44.6 | 3.30 | 16.6 | 15.7 | 0.13 | 7.50 | 2.60 | 3.50 | 4.05 | 0.44 | 0.02 | 1852 |
| | 1487 | | | 47.4 | 1.84 | 19.9 | 11.5 | 0.04 | 6.40 | 1.80 | 4.35 | 2.05 | 0.70 | 0.01 | 1557 |
| 692 | | | 50.4 | 2.28 | 16.8 | 11.7 | 0.08 | 6.10 | 2.65 | 4.70 | 1.20 | 0.56 | 0.04 | 737 | |
| 1480 | | | 43.5 | 0.47 | 16.3 | 13.7 | 0.10 | 4.90 | 6.30 | 4.70 | 0.70 | 0.64 | 0.05 | 253 | |

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| MARKED | Cu | Pb | Zn | Cd | Ag | Cr | V | Co | Ni | Mo | Rb | Sr |
|--------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | ppm Percent | ppm Percent | ppm Percent | ppm Percent | ppm Percent | ppm Percent | ppm Percent | ppm Percent | ppm Percent | ppm Percent | ppm Percent | ppm Percent |
| 1166 | 32 | 14 | 98 | <0.2 | <0.2 | 115 | 110 | 30 | 34 | 4 | 147 | 175 |
| 711 | 14 | 26 | 78 | <0.2 | <0.2 | 162 | 115 | 30 | 33 | 4 | 181 | 513 |
| 706 | 77 | 38 | 123 | <0.2 | <0.2 | 180 | 110 | 41 | 45 | 4 | 253 | 493 |
| 597 | 22 | 33 | 82 | <0.2 | <0.2 | 196 | 125 | 35 | 41 | 5 | 118 | 565 |
| 844 | 4 | 10 | 65 | <0.2 | <0.2 | 130 | 147 | 38 | 40 | 3 | 127 | 88 |
| 20 | 47 | 36 | 122 | <0.2 | <0.2 | 166 | 160 | 38 | 48 | 4 | 145 | 120 |
| 1549 | 18 | 8 | 93 | <0.2 | <0.2 | 100 | 120 | 30 | 43 | 4 | 99 | 124 |
| 1778 | 80 | 7 | 82 | <0.2 | <0.2 | 1030 | 152 | 88 | 790 | 3 | 4 | 69 |
| 1142 | 81 | 3 | 122 | <0.2 | <0.2 | 230 | 220 | 50 | 112 | 4 | 29 | 372 |
| 1192 | 8 | 5 | 85 | <0.2 | <0.2 | 1200 | 96 | 86 | 740 | 2 | 7 | 23 |
| 1329 | 120 | 8 | 70 | <0.2 | <0.2 | 460 | 170 | 56 | 154 | 5 | 18 | 650 |
| 1080 | 138 | 9 | 78 | <0.2 | <0.2 | 445 | 230 | 56 | 154 | 4 | 22 | 208 |
| 1241 | 52 | 8 | 55 | <0.2 | <0.2 | 165 | 75 | 40 | 141 | 5 | 11 | 139 |
| 1776 | 133 | 2 | 93 | <0.2 | <0.2 | 1060 | 252 | 67 | 268 | 4 | 2 | 143 |
| 1214 | 84 | 10 | 103 | <0.2 | <0.2 | 332 | 158 | 57 | 148 | 4 | 39 | 296 |
| 742 | 138 | 28 | 96 | <0.2 | <0.2 | 225 | 312 | 56 | 105 | 4 | 6 | 359 |
| 1459 | 14 | 5 | 98 | <0.2 | <0.2 | 20 | 178 | 60 | 33 | 3 | 84 | 216 |
| 1487 | 14 | 4 | 75 | <0.2 | <0.2 | 10 | 90 | 38 | 6 | 3 | 31 | 362 |
| 692 | 67 | 18 | 66 | <0.2 | <0.2 | 15 | 205 | 44 | 2 | 4 | 24 | 176 |
| 1480 | 44 | 2 | 67 | <0.2 | <0.2 | 15 | 105 | 53 | 25 | 4 | 17 | 263 |

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| MARKED | Zr ppm Percent | Y ppm Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent |
|--------|----------------------|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1166 | - | - | | | | | | | | | | |
| 711 | - | - | | | | | | | | | | |
| 706 | - | - | | | | | | | | | | |
| 597 | - | - | | | | | | | | | | |
| 844 | - | - | | | | | | | | | | |
| 20 | - | - | | | | | | | | | | |
| 1549 | - | - | | | | | | | | | | |
| 1778 | 60 | 6 | | | | | | | | | | |
| 1142 | 117 | 16 | | | | | | | | | | |
| 1192 | 37 | 1 | | | | | | | | | | |
| 1329 | 46 | 14 | | | | | | | | | | |
| 1080 | 82 | 11 | | | | | | | | | | |
| 1241 | 173 | 19 | | | | | | | | | | |
| 1776 | 105 | 27 | | | | | | | | | | |
| 1214 | 138 | 28 | | | | | | | | | | |
| 742 | 122 | 29 | | | | | | | | | | |
| 1459 | 247 | 32 | | | | | | | | | | |
| 1487 | 430 | 32 | | | | | | | | | | |
| 692 | 317 | 41 | | | | | | | | | | |
| 1480 | 340 | 27 | | | | | | | | | | |

CHIEF CHEMIST, WESTERN DIVISION



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CERTIFICATE OF ANALYSES

TO Cyprus Anvil Mining Corp.

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| MARKED | | SIO ₂ | TIO ₂ | Al ₂ O ₃ | Fe ₂ O ₃ | MnO | MgO | CaO | Na ₂ O | K ₂ O | P ₂ O ₅ | S | Ba ppm | | |
|--------------|-------|------------------|------------------|--------------------------------|--------------------------------|---------|---------|---------|-------------------|------------------|-------------------------------|---------|-----------|---------|------|
| | | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | |
| 5C | 758 A | 99.91 | 89.81 | 43.9 | 0.99 | 11.3 | 10.2 | 0.15 | 9.40 | 9.80 | 1.30 | 0.10 | 0.16 | 191 | |
| | 758 B | 99.79 | 89.29 | 45.7 | 1.18 | 12.6 | 10.8 | 0.15 | 9.70 | 7.40 | 1.43 | 0.15 | 0.15 | 202 | |
| | 1497 | 100.11 | 95.6 | 46.8 | 1.58 | 14.9 | 10.8 | 0.15 | 6.20 | 11.4 | 3.43 | 0.05 | 0.21 | 141 | |
| | 1402 | 99.86 | 99.46 | 47.0 | 2.38 | 14.4 | 10.6 | 0.13 | 8.60 | 11.0 | 2.90 | 0.10 | 0.32 | 118 | |
| | 1413 | 99.77 | 92.67 | 48.3 | 1.12 | 13.8 | 14.3 | 0.17 | 6.20 | 5.50 | 2.90 | 0.10 | 0.26 | 218 | |
| 5F Copper | 1739 | | | 45.3 | 2.76 | 17.0 | 13.2 | 0.14 | 8.10 | 6.00 | 4.10 | 0.06 | 0.43 | 160 | |
| | 1720 | 99.92 | 86.02 | 39.9 | 0.82 | 11.5 | 12.0 | 0.15 | 8.70 | 12.3 | 0.28 | 0.15 | 0.21 | 0.01 | 115 |
| | 1129 | 99.84 | 95.34 | 46.2 | 2.33 | 14.3 | 13.2 | 0.16 | 8.80 | 5.60 | 3.60 | 0.85 | 0.28 | 0.02 | 1953 |
| MCW | 1135 | 99.67 | 90.57 | 44.3 | 0.48 | 13.7 | 12.4 | 0.13 | 8.30 | 8.20 | 2.55 | 0.05 | 0.37 | 0.09 | 146 |
| | 1912 | 99.07 | 95.07 | 44.6 | 2.48 | 16.3 | 16.0 | 0.08 | 8.00 | 1.63 | 4.50 | 0.28 | 0.36 | 0.82 | 1160 |
| | 1138 | 99.73 | 92.53 | 48.3 | 1.08 | 18.9 | 11.4 | 0.02 | 3.05 | 5.40 | 0.33 | 3.55 | 0.46 | 0.04 | 706 |
| | 1481 | 99.78 | 94.68 | 51.0 | 1.35 | 17.2 | 11.3 | 0.02 | 7.40 | 1.05 | 4.10 | 0.80 | 0.43 | 0.03 | 2928 |
| | 1458 | 99.77 | 90.87 | 44.8 | 1.04 | 14.3 | 11.5 | 0.08 | 4.80 | 8.60 | 4.90 | 0.45 | 0.27 | 0.13 | 931 |
| | 1505 | 99.93 | 91.93 | 45.8 | 1.15 | 14.1 | 13.9 | 0.12 | 6.00 | 6.80 | 3.25 | 0.45 | 0.30 | 0.06 | 2627 |
| | 1617 | 99.94 | 97.04 | 49.4 | 2.58 | 12.6 | 12.6 | 0.15 | 6.00 | 8.80 | 4.10 | 0.50 | 0.29 | 0.02 | 600 |
| | 830 | 99.91 | 94.71 | 44.7 | 1.48 | 16.1 | 14.4 | 0.09 | 7.60 | 4.42 | 3.80 | 1.25 | 0.81 | 0.06 | 515 |

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| MARKED | Cu | Pb | Zn | Cd | Ag | Cr | V | Co | Ni | Mo | Rb | Sr |
|--------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | ppm Percent | ppm Percent | ppm Percent | ppm Percent | ppm Percent | ppm Percent | ppm Percent | ppm Percent | ppm Percent | ppm Percent | ppm Percent | ppm Percent |
| 758 A | 110 | 114 | 106 | 0.2 | 0.2 | 610 | 205 | 60 | 252 | 4 | 6 | 197 |
| 758 B | 110 | 142 | 114 | 0.2 | 0.2 | 660 | 210 | 65 | 264 | 4 | 10 | 186 |
| 1497 | 126 | 38 | 99 | 0.2 | 0.2 | 140 | 207 | 47 | 85 | 5 | 7 | 662 |
| 1402 | 580 | 12 | 60 | 0.2 | 0.2 | 140 | 267 | 54 | 93 | 5 | < 1 | 3000 |
| 1413 | 105 | 4 | 80 | 0.2 | 0.2 | 68 | 270 | 56 | 62 | 4 | 5 | 266 |
| 1739 | 24 | 7 | 103 | 0.2 | 0.2 | 38 | 132 | 55 | 43 | 3 | 4 | 275 |
| 1720 | 66 | 22 | 126 | 0.2 | 0.2 | 375 | 193 | 52 | 244 | 3 | 5 | 258 |
| 1129 | 66 | 6 | 94 | 0.2 | 0.2 | 190 | 290 | 46 | 68 | 3 | 15 | 214 |
| 1135 | 52 | 10 | 97 | 0.2 | 0.2 | 240 | 200 | 62 | 182 | 4 | 5 | 197 |
| 1912 | 144 | 20 | 82 | 0.2 | 0.2 | 90 | 288 | 64 | 72 | 4 | 3 | 74 |
| 1138 | 52 | 10 | 68 | 0.2 | 0.2 | 130 | 182 | 57 | 96 | 4 | 48 | 39 |
| 1481 | 13 | 25 | 78 | 0.2 | 0.2 | 20 | 220 | 38 | 22 | 3 | 17 | 45 |
| 1458 | 117 | 9 | 90 | 0.2 | 0.2 | 215 | 275 | 54 | 125 | 4 | 12 | 282 |
| 1505 | 145 | 8 | 144 | 0.2 | 0.2 | 65 | 285 | 52 | 47 | 4 | 9 | 264 |
| 1617 | 100 | 10 | 110 | 0.2 | 0.2 | 185 | 193 | 52 | 98 | 4 | 9 | 333 |
| 830 | 53 | 4 | 75 | 0.2 | 0.2 | 10 | 150 | 53 | 13 | 3 | 19 | 506 |

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| MARKED | Zr ppm | Y ppm | | | | | | | | | | |
|--------|-----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | PERCENT | PERCENT | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent |
| 758 A | 95 | 21 | | | | | | | | | | |
| 758 B | 91 | 20 | | | | | | | | | | |
| 1497 | 80 | 23 | | | | | | | | | | |
| 1402 | 26 | 24 | | | | | | | | | | |
| 1413 | 130 | 6 | | | | | | | | | | |
| 1739 | - | - | | | | | | | | | | |
| 1720 | - | - | | | | | | | | | | |
| 1129 | 160 | 15 | | | | | | | | | | |
| 1135 | 195 | 14 | | | | | | | | | | |
| 1912 | 222 | 14 | | | | | | | | | | |
| 1138 | 442 | 26 | | | | | | | | | | |
| 1481 | 365 | 36 | | | | | | | | | | |
| 1458 | 156 | 27 | | | | | | | | | | |
| 1505 | 175 | 31 | | | | | | | | | | |
| 1617 | 188 | 27 | | | | | | | | | | |
| 830 | 241 | 21 | | | | | | | | | | |

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