



**Aeris**

TRITTON COPPER OPERATIONS

# Tritton and Girilambone Operations

## Monthly Environmental Monitoring Report [May] [2020]

### **Environmental Protection License 11254**

TRITTON COPPER MINE

YARRANDALE ROAD, HERMIDALE, NSW, 2831

*<http://www.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=11254&id=11254&option=licence&searchrange=licence&range=POEO licence&prp=no&status=Issued>*

### **Environmental Protection License 4501**

TRITTON COPPER MINE

BOORAMUGGA ROAD, GIRILAMBONE, NSW, 2831

*<http://www.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=4501&id=4501&option=licence&searchrange=licence&range=POEO licence&prp=no&status=Issued>*

**[MAY] [2020] – GROUNDWATER MONITORING REPORT**  
**TRITTON COPPER OPERATIONS LICENCE NO.11254**

| Licensee: TRITTON RESOURCES LIMITED |                      |                          |                   |             |                    |
|-------------------------------------|----------------------|--------------------------|-------------------|-------------|--------------------|
| EPL No. 11254                       |                      |                          |                   |             |                    |
| Sample Point                        | Monitoring Frequency | Date                     | Parameter         | Measurement | Unit               |
| EPA ID<br>No. 12 -<br>PZH001        | Quarterly            | Sampled:<br>6/5/20       | Arsenic           | 0.002       | mg/L <sup>1</sup>  |
|                                     |                      |                          | Barium            | 0.014       | mg/L               |
|                                     |                      |                          | Beryllium         | 0.001       | mg/L               |
|                                     |                      | Obtained:<br>4/6/20      | Cadmium           | 0.0001      | mg/L               |
|                                     |                      |                          | Chloride          | 4140        | mg/L               |
|                                     |                      |                          | Chromium          | 0.001       | mg/L               |
|                                     |                      | Published:<br>17/06/2020 | Cobalt            | 0.002       | mg/L               |
|                                     |                      |                          | Conductivity (EC) | 14100       | µS/cm <sup>2</sup> |
|                                     |                      |                          | Copper            | 0.03        | mg/L               |
|                                     |                      |                          | Iron              | 0.61        | mg/L               |
|                                     |                      |                          | Lead              | 0.002       | mg/L               |
|                                     |                      |                          | Manganese         | 0.037       | mg/L               |
|                                     |                      |                          | Mercury           | 0.0001      | mg/L               |
|                                     |                      |                          | Nickel            | 0.002       | mg/L               |
|                                     |                      |                          | pH                | 7.39        | pH Unit            |
|                                     |                      |                          | Sulfate           | 2220        | mg/L               |
|                                     |                      |                          | Vanadium          | 0.01        | mg/L               |
| Zinc                                | 0.027                | mg/L                     |                   |             |                    |
| SWL                                 | 13.61                | m <sup>3</sup>           |                   |             |                    |
| EPA ID<br>No. 13 -<br>PZH002        | Quarterly            | Sampled:<br>6/5/20       | Arsenic           | 0.002       | mg/L               |
|                                     |                      |                          | Barium            | 0.022       | mg/L               |
|                                     |                      |                          | Beryllium         | 0.001       | mg/L               |
|                                     |                      | Obtained:<br>4/6/20      | Cadmium           | 0.0002      | mg/L               |
|                                     |                      |                          | Chloride          | 3580        | mg/L               |
|                                     |                      |                          | Chromium          | 0.001       | mg/L               |
|                                     |                      | Published:<br>17/06/2020 | Cobalt            | 0.001       | mg/L               |
|                                     |                      |                          | Conductivity (EC) | 12600       | µS/cm              |
|                                     |                      |                          | Copper            | 0.024       | mg/L               |
|                                     |                      |                          | Iron              | 2.48        | mg/L               |
|                                     |                      |                          | Lead              | 0.001       | mg/L               |
|                                     |                      |                          | Manganese         | 0.054       | mg/L               |
|                                     |                      |                          | Mercury           | 0.0001      | mg/L               |
|                                     |                      |                          | Nickel            | 0.002       | mg/L               |
|                                     |                      |                          | pH                | 7.57        | pH Unit            |
|                                     |                      |                          | Sulfate           | 1880        | mg/L               |

<sup>1</sup> Milligrams per litre

<sup>2</sup> Microsiemens per centimetre

<sup>3</sup> Metres

|                              |           |                          |                   |        |         |
|------------------------------|-----------|--------------------------|-------------------|--------|---------|
|                              |           |                          | Vanadium          | 0.01   | mg/L    |
|                              |           |                          | Zinc              | 0.044  | mg/L    |
|                              |           |                          | SWL               | 33.97  | m       |
| EPA ID<br>No. 14 -<br>PZH003 | Quarterly | Sampled:<br>6/5/20       | Arsenic           | 0.002  | mg/L    |
|                              |           |                          | Barium            | 0.02   | mg/L    |
|                              |           |                          | Beryllium         | 0.001  | mg/L    |
|                              |           | Obtained:<br>4/6/20      | Cadmium           | 0.0012 | mg/L    |
|                              |           |                          | Chloride          | 5540   | mg/L    |
|                              |           |                          | Chromium          | 0.002  | mg/L    |
|                              |           | Published:<br>17/06/2020 | Cobalt            | 0.011  | mg/L    |
|                              |           |                          | Conductivity (EC) | 17200  | µS/cm   |
|                              |           |                          | Copper            | 0.074  | mg/L    |
|                              |           |                          | Iron              | 1.06   | mg/L    |
|                              |           |                          | Lead              | 0.003  | mg/L    |
|                              |           |                          | Manganese         | 0.205  | mg/L    |
|                              |           |                          | Mercury           | 0.0001 | mg/L    |
|                              |           |                          | Nickel            | 0.015  | mg/L    |
|                              |           |                          | pH                | 7.44   | pH Unit |
|                              |           |                          | Sulfate           | 2340   | mg/L    |
|                              |           |                          | Vanadium          | 0.01   | mg/L    |
| Zinc                         | 0.184     | mg/L                     |                   |        |         |
| SWL                          | 62.14     | m                        |                   |        |         |
| EPA ID<br>No. 15 -<br>PZH004 | Quarterly | Sampled:<br>6/5/20       | Arsenic           |        | mg/L    |
|                              |           |                          | Barium            |        | mg/L    |
|                              |           |                          | Beryllium         |        | mg/L    |
|                              |           | Obtained:<br>DRY         | Cadmium           |        | mg/L    |
|                              |           |                          | Chloride          |        | mg/L    |
|                              |           |                          | Chromium          |        | mg/L    |
|                              |           | Published:<br>17/06/2020 | Cobalt            |        | mg/L    |
|                              |           |                          | Conductivity (EC) |        | µS/cm   |
|                              |           |                          | Copper            |        | mg/L    |
|                              |           |                          | Iron              |        | mg/L    |
|                              |           |                          | Lead              |        | mg/L    |
|                              |           |                          | Manganese         |        | mg/L    |
|                              |           |                          | Mercury           |        | mg/L    |
|                              |           |                          | Nickel            |        | mg/L    |
|                              |           |                          | pH                |        | pH Unit |
|                              |           |                          | Sulfate           |        | mg/L    |
|                              |           |                          | Vanadium          |        | mg/L    |
| Zinc                         |           | mg/L                     |                   |        |         |
| SWL                          |           | m                        |                   |        |         |
| EPA ID<br>No. 16 -<br>PZH005 | Quarterly | Sampled:<br>6/5/20       | Arsenic           | 0.006  | mg/L    |
|                              |           |                          | Barium            | 0.016  | mg/L    |
|                              |           |                          | Beryllium         | 0.001  | mg/L    |
|                              |           | Obtained:<br>4/6/20      | Cadmium           | 0.0004 | mg/L    |
|                              |           |                          | Chloride          | 5060   | mg/L    |
|                              |           |                          | Chromium          | 0.003  | mg/L    |

|                              |           |   |  |   |   |
|------------------------------|-----------|---|--|---|---|
|                              |           | Published:<br>17/06/2020  | Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate<br>Vanadium<br>Zinc<br>SWL  | 0.012<br>15200<br>0.057<br>1.17<br>0.017<br>0.148<br>0.0001<br>0.036<br>7.47<br>1230<br>0.01<br>0.056<br>13.71  | mg/L<br>µS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit<br>mg/L<br>mg/L<br>mg/L<br>m   |
| EPA ID<br>No. 17 -<br>PZH006 | Quarterly | Sampled:<br>6/5/20<br><br>Obtained:<br>4/6/20<br><br>Published:<br>17/06/2020 | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate<br>Vanadium<br>Zinc<br>SWL | 0.004<br>0.024<br>0.001<br>0.0001<br>2910<br>0.001<br>0.008<br>10400<br>0.012<br>0.94<br>0.006<br>0.228<br>0.0001<br>0.006<br>7.14<br>2150<br>0.01<br>0.02<br>38.21 | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>µS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit<br>mg/L<br>mg/L<br>mg/L<br>m |
| EPA ID<br>No. 18 -<br>PZH007 | Quarterly | Sampled:<br>D/M/Y<br><br>Obtained:<br>D/M/Y<br><br>Published:<br>17/06/2020   | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH                                       |   | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>µS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit                      |

|                              |           |   |  |  |   |
|------------------------------|-----------|---|--|--|---|
|                              |           |   | Sulfate<br>Vanadium<br>Zinc<br>SWL   |  | mg/L<br>mg/L<br>mg/L<br>m   |
| EPA ID<br>No. 19 -<br>PZH008 | Quarterly | Sampled:<br>D/M/Y<br><br>Obtained:<br>D/M/Y<br><br>Published:<br>17/06/2020 | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate<br>Vanadium<br>Zinc<br>SWL |  | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>μS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit<br>mg/L<br>mg/L<br>mg/L<br>m |
| EPA ID<br>No. 20 -<br>PZH009 | Quarterly | Sampled:<br>D/M/Y<br><br>Obtained:<br>D/M/Y<br><br>Published:<br>17/06/2020 | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate<br>Vanadium<br>Zinc<br>SWL |  | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>μS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit<br>mg/L<br>mg/L<br>mg/L<br>m |
| EPA ID<br>No. 22 -<br>PZH013 | Quarterly | Sampled:<br>D/M/Y<br><br>Obtained:<br>D/M/Y                                 | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride  |  | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L  |

|                              |           |   |  |  |   |
|------------------------------|-----------|---|--|--|---|
|                              |           | Published:<br>17/06/2020  | Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate<br>Vanadium<br>Zinc<br>SWL  |  | mg/L<br>mg/L<br>µS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>m   |
| EPA ID<br>No. 23 -<br>PZH014 | Quarterly | Sampled:<br>D/M/Y<br><br>Obtained:<br>D/M/Y<br><br>Published:<br>17/06/2020 | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate<br>Vanadium<br>Zinc<br>SWL |  | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>µS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>m |
| EPA ID<br>No. 24 -<br>PZH015 | Quarterly | Sampled:<br>D/M/Y<br><br>Obtained:<br>D/M/Y<br><br>Published:<br>17/06/2020 | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel   |  | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>µS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L   |

|                              |           |   | pH<br>Sulfate<br>Vanadium<br>Zinc<br>SWL   |  | pH Unit<br>mg/L<br>mg/L<br>mg/L<br>m  |
|------------------------------|-----------|---|--|--|---|
| EPA ID<br>No. 25 -<br>PZH017 | Quarterly | Sampled:<br>D/M/Y<br><br>Obtained:<br>D/M/Y<br><br>Published:<br>17/06/2020 | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate<br>Vanadium<br>Zinc<br>SWL |  | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>μS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit<br>mg/L<br>mg/L<br>mg/L<br>m |
| EPA ID<br>No. 26 -<br>PZH018 | Quarterly | Sampled:<br>D/M/Y<br><br>Obtained:<br>D/M/Y<br><br>Published:<br>17/06/2020 | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate<br>Vanadium<br>Zinc<br>SWL |  | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>μS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit<br>mg/L<br>mg/L<br>mg/L<br>m |
| EPA ID<br>No. 27 -<br>PZH019 | Quarterly | Sampled:<br>D/M/Y<br><br>Obtained:  | Arsenic<br>Barium<br>Beryllium<br>Cadmium  |  | mg/L<br>mg/L<br>mg/L<br>mg/L  |

|                              |           |   |  |  |   |
|------------------------------|-----------|---|--|--|---|
|                              |           | D/M/Y<br><br>Published:<br>17/06/2020                                       | Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate<br>Vanadium<br>Zinc<br>SWL  |  | mg/L<br>mg/L<br>mg/L<br>µS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit<br>mg/L<br>mg/L<br>mg/L<br>m                 |
| EPA ID<br>No. 28 -<br>PZH020 | Quarterly | Sampled:<br>D/M/Y<br><br>Obtained:<br>D/M/Y<br><br>Published:<br>17/06/2020 | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate<br>Vanadium<br>Zinc<br>SWL |  | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>µS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit<br>mg/L<br>mg/L<br>mg/L<br>m |
| EPA ID No.<br>29 -<br>PZH021 | Quarterly | Sampled:<br>D/M/Y<br><br>Obtained:<br>D/M/Y<br><br>Published:<br>17/06/2020 | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury   |  | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>µS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L                                 |



|                              |           |   |  |  |   |
|------------------------------|-----------|---|--|--|---|
|                              |           |   | Nickel<br>pH<br>Sulfate<br>Vanadium<br>Zinc<br>SWL   |  | mg/L<br>pH Unit<br>mg/L<br>mg/L<br>mg/L<br>m  |
| EPA ID<br>No. 30 -<br>PZH022 | Quarterly | Sampled:<br>D/M/Y<br><br>Obtained:<br>D/M/Y<br><br>Published:<br>17/06/2020 | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate<br>Vanadium<br>Zinc<br>SWL |  | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>µS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit<br>mg/L<br>mg/L<br>mg/L<br>m |
| EPA ID<br>No. 31 -<br>PZH023 | Quarterly | Sampled:<br>D/M/Y<br><br>Obtained:<br>D/M/Y<br><br>Published:<br>17/06/2020 | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate<br>Vanadium<br>Zinc<br>SWL |  | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>µS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit<br>mg/L<br>mg/L<br>mg/L<br>m |

**[MAY] [2020] – GROUNDWATER MONITORING REPORT**  
**GIRILAMBONE COPPER OPERATIONS LICENCE NO.4501**

| Licensee: TRITTON RESOURCES LIMITED |                      |                          |                   |             |         |
|-------------------------------------|----------------------|--------------------------|-------------------|-------------|---------|
| EPL No. 4501                        |                      |                          |                   |             |         |
| Sample Point                        | Monitoring Frequency | Date                     | Parameter         | Measurement | Unit    |
| EPA ID<br>No. 2 -<br>GIP224         | Monthly              | Sampled:<br>19/5/20      | Arsenic           | 0.01        | mg/L    |
|                                     |                      |                          | Barium            | 0.026       | mg/L    |
|                                     |                      |                          | Beryllium         | 0.01        | mg/L    |
|                                     |                      | Obtained:<br>4/6/20      | Cadmium           | 0.0018      | mg/L    |
|                                     |                      |                          | Chloride          | 8980        | mg/L    |
|                                     |                      |                          | Chromium          | 0.01        | mg/L    |
|                                     |                      | Published:<br>17/06/2020 | Cobalt            | 0.016       | mg/L    |
|                                     |                      |                          | Conductivity (EC) | 28700       | µS/cm   |
|                                     |                      |                          | Copper            | 0.055       | mg/L    |
|                                     |                      |                          | Iron              | 0.2         | mg/L    |
|                                     |                      |                          | Lead              | 0.01        | mg/L    |
|                                     |                      |                          | Manganese         | 0.321       | mg/L    |
|                                     |                      |                          | Mercury           | 0.0001      | mg/L    |
|                                     |                      |                          | Nickel            | 0.021       | mg/L    |
|                                     |                      |                          | pH                | 7.4         | pH Unit |
|                                     |                      |                          | Sulfate           | 4410        | mg/L    |
|                                     |                      |                          | Vanadium          | 0.1         | mg/L    |
| Zinc                                | 0.142                | mg/L                     |                   |             |         |
| SWL                                 | 9.97                 | m                        |                   |             |         |
| EPA ID<br>No. 3 -<br>GIP225         | Monthly              | Sampled:<br>11/5/20      | Arsenic           | 0.01        | mg/L    |
|                                     |                      |                          | Barium            | 0.01        | mg/L    |
|                                     |                      |                          | Beryllium         | 0.01        | mg/L    |
|                                     |                      | Obtained:<br>4/6/20      | Cadmium           | 0.001       | mg/L    |
|                                     |                      |                          | Chloride          | 6790        | mg/L    |
|                                     |                      |                          | Chromium          | 0.01        | mg/L    |
|                                     |                      | Published:<br>17/06/2020 | Cobalt            | 0.01        | mg/L    |
|                                     |                      |                          | Conductivity (EC) | 30200       | µS/cm   |
|                                     |                      |                          | Copper            | 0.028       | mg/L    |
|                                     |                      |                          | Iron              | 3           | mg/L    |
|                                     |                      |                          | Lead              | 0.01        | mg/L    |
|                                     |                      |                          | Manganese         | 0.155       | mg/L    |
|                                     |                      |                          | Mercury           | 0.0001      | mg/L    |
|                                     |                      |                          | Nickel            | 0.01        | mg/L    |
|                                     |                      |                          | pH                | 7.13        | pH Unit |
|                                     |                      |                          | Sulfate           | 12500       | mg/L    |
|                                     |                      |                          | Vanadium          | 0.1         | mg/L    |
| Zinc                                | 0.05                 | mg/L                     |                   |             |         |
| SWL                                 | 13.52                | m                        |                   |             |         |

|                             |           |  |  |   |   |
|-----------------------------|-----------|--|--|---|---|
| EPA ID<br>No. 4 -<br>GIP234 | Quarterly | Sampled:<br>28/5/20<br><br>Obtained:<br>D/M/Y<br><br>Published:<br>17/06/2020    | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate<br>Vanadium<br>Zinc<br>SWL | 24.93   | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>μS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>m |
| EPA ID<br>No. 5 -<br>GIP273 | Quarterly | Sampled:<br>28/5/20<br><br>Obtained:<br>D/M/Y<br><br>Published:<br>17/06/2020    | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate<br>Vanadium<br>Zinc<br>SWL | 17.39   | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>μS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>m |
| EPA ID<br>No. 7 -<br>GIP274 | Monthly   | Sampled:<br>21/5/20<br><br>Obtained:<br>11/12/18<br><br>Published:<br>17/06/2020 | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper   | 0.01<br>0.012<br>0.01<br>0.001<br>10100<br>0.01<br>0.01<br>29600<br>0.013 | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>μS/cm<br>mg/L   |

|                             |           |   |  |  |   |
|-----------------------------|-----------|---|--|--|---|
|                             |           |   | Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate<br>Vanadium<br>Zinc<br>SWL   | 0.1<br>0.01<br>0.017<br>0.0001<br>0.01<br>7.44<br>3170<br>0.1<br>0.05<br>20.03 | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>m  |
| EPA ID<br>No. 6 -<br>GIP276 | Quarterly | Sampled:<br>28/5/20<br><br>Obtained:<br>D/M/Y<br><br>Published:<br>17/06/2020 | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate<br>Vanadium<br>Zinc<br>SWL | 21.35  | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>μS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit<br>mg/L<br>mg/L<br>mg/L<br>m |
| EPA ID<br>No. 8 -<br>GIP277 | Quarterly | Sampled:<br>28/5/20<br><br>Obtained:<br>D/M/Y<br><br>Published:<br>17/06/2020 | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate<br>Vanadium<br>Zinc        |  | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>μS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit<br>mg/L<br>mg/L<br>mg/L      |

|                               |           |   |  |       |   |
|-------------------------------|-----------|---|--|-------|---|
|                               |           |   | SWL  | 18.28 | m   |
| EPA ID<br>No. 9 -<br>GIP278   | Quarterly | Sampled:<br>28/5/20<br><br>Obtained:<br>D/M/Y<br><br>Published:<br>17/06/2020 | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate<br>Vanadium<br>Zinc<br>SWL |       | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>μS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>m |
| EPA ID<br>No. 10 -<br>GIP279A | Quarterly | Sampled:<br>28/5/20<br>Obtained:<br>D/M/Y<br><br>Published:<br>17/06/2020     | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate<br>Vanadium<br>Zinc<br>SWL | 25.91 | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>μS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>m |
| EPA ID<br>No. 11 -<br>GIP280A | Quarterly | Sampled:<br>28/5/20<br><br>Obtained:<br>D/M/Y<br><br>Published:<br>17/06/2020 | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)   | 24.93 | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>μS/cm   |

|                              |         |  |  |  |   |
|------------------------------|---------|--|--|--|---|
|                              |         |  | Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate<br>Vanadium<br>Zinc<br>SWL   | 22.89  | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit<br>mg/L<br>mg/L<br>mg/L<br>m  |
| EPA ID<br>No. 12 -<br>GIP290 | Monthly | Sampled:<br>28/5/20<br><br>Obtained:<br>9/6/20<br><br>Published:<br>17/06/2020 | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate<br>Vanadium<br>Zinc<br>SWL | 0.001<br>0.014<br>0.001<br>0.0341<br>3480<br>0.001<br>0.16<br>16700<br>0.062<br>0.23<br>0.015<br>9.31<br>0.0001<br>0.013<br>6.96<br>4150<br>0.01<br>0.411<br>16.76 | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>µS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>m |
| EPA ID<br>No. 13 -<br>GIP291 | Monthly | Sampled:<br>11/5/20<br><br>Obtained:<br>4/6/20<br><br>Published:<br>17/06/2020 | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate<br>Vanadium                | 0.002<br>0.033<br>0.001<br>0.0005<br>8640<br>0.007<br>0.033<br>25100<br>0.026<br>1.09<br>0.003<br>0.814<br>0.0001<br>0.018<br>7.32<br>2790<br>0.01                 | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>µS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit<br>mg/L<br>mg/L              |

|                                |         |  |  |   |  |
|--------------------------------|---------|--|--|---|--|
|                                |         |  | Zinc<br>SWL  | 0.051<br>13.71  | mg/L<br>m  |
| EPA ID<br>No. 14 -<br>GIP292A  | Monthly | Sampled:<br>11/5/20<br><br>Obtained:<br>4/6/20<br><br>Published:<br>17/06/2020 | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate<br>Vanadium<br>Zinc<br>SWL | 0.042<br>0.01<br>0.125<br>3.95<br>1960<br>0.229<br>61.6<br>30300<br>289<br>147<br>0.01<br>539<br>0.0001<br>20.2<br>3.6<br>44700<br>0.15<br>298<br>12.31 | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>$\mu$ S/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>m |
| EPA ID<br>No. 16 -<br>GIP292AS | Monthly | Sampled:<br>11/5/20<br><br>Obtained:<br>DRY<br><br>Published:<br>17/06/2020    | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate<br>Vanadium<br>Zinc<br>SWL | <br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>10.31   | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>$\mu$ S/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>m |
| EPA ID<br>No. 17 -<br>GIP293   | Monthly | Sampled:<br>21/5/20<br><br>Obtained:<br>11/12/18<br><br>Published:             | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt  | 0.01<br>0.01<br>0.01<br>1.44<br>6260<br>0.015<br>17   | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L   |

|                              |         |  |  |   |  |
|------------------------------|---------|--|--|---|--|
|                              |         | 17/06/2020   | Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate<br>Vanadium<br>Zinc<br>SWL  | 36000<br>25.5<br>0.16<br>0.01<br>290<br>0.0002<br>6.57<br>4.46<br>32500<br>0.1<br>61.6<br>18.82   | µS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>m  |
| EPA ID<br>No. 18 -<br>GIP294 | Monthly | Sampled:<br>21/5/20<br><br>Obtained:<br>4/6/20<br><br>Published:<br>17/06/2020 | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate<br>Vanadium<br>Zinc<br>SWL | 0.01<br>0.032<br>0.01<br>0.859<br>2560<br>0.01<br>10<br>30500<br>29.3<br>0.1<br>0.01<br>68.4<br>0.0001<br>3.51<br>6.69<br>25900<br>0.1<br>53.4<br>18.85 | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>µS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>m |
| EPA ID<br>No. 19 -<br>GIP295 | Monthly | Sampled:<br>21/5/20<br><br>Obtained:<br>4/6/20<br><br>Published:<br>17/06/2020 | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate                            | 0.01<br>0.039<br>0.01<br>0.0013<br>9640<br>0.01<br>0.01<br>27900<br>0.015<br>0.1<br>0.01<br>0.502<br>0.0001<br>0.014<br>7.4<br>2790                     | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>µS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit<br>mg/L   |



|                              |         |                          |                   |        |         |
|------------------------------|---------|--------------------------|-------------------|--------|---------|
|                              |         |                          | Vanadium          | 0.1    | mg/L    |
|                              |         |                          | Zinc              | 0.05   | mg/L    |
|                              |         |                          | SWL               | 18.98  | m       |
| EPA ID<br>No. 20 -<br>GIP296 | Monthly | Sampled:<br>11/5/20      | Arsenic           | 0.001  | mg/L    |
|                              |         |                          | Barium            | 0.015  | mg/L    |
|                              |         |                          | Beryllium         | 0.001  | mg/L    |
|                              |         | Obtained:<br>4/6/20      | Cadmium           | 0.0004 | mg/L    |
|                              |         |                          | Chloride          | 1680   | mg/L    |
|                              |         |                          | Chromium          | 0.001  | mg/L    |
|                              |         | Published:<br>17/06/2020 | Cobalt            | 0.005  | mg/L    |
|                              |         |                          | Conductivity (EC) | 14600  | µS/cm   |
|                              |         |                          | Copper            | 0.046  | mg/L    |
|                              |         |                          | Iron              | 0.05   | mg/L    |
|                              |         |                          | Lead              | 0.001  | mg/L    |
|                              |         |                          | Manganese         | 0.091  | mg/L    |
|                              |         |                          | Mercury           | 0.0001 | mg/L    |
|                              |         |                          | Nickel            | 0.008  | mg/L    |
|                              |         |                          | pH                | 7.31   | pH Unit |
|                              |         |                          | Sulfate           | 5630   | mg/L    |
|                              |         |                          | Vanadium          | 0.01   | mg/L    |
| Zinc                         | 0.064   | mg/L                     |                   |        |         |
| SWL                          | 13.81   | m                        |                   |        |         |
| EPA ID<br>No. 21 -<br>GIP297 | Monthly | Sampled:<br>27/5/20      | Arsenic           | 0.005  | mg/L    |
|                              |         |                          | Barium            | 0.001  | mg/L    |
|                              |         |                          | Beryllium         | 0.001  | mg/L    |
|                              |         | Obtained:<br>9/6/20      | Cadmium           | 0.0003 | mg/L    |
|                              |         |                          | Chloride          | 73     | mg/L    |
|                              |         |                          | Chromium          | 0.001  | mg/L    |
|                              |         | Published:<br>17/06/2020 | Cobalt            | 0.004  | mg/L    |
|                              |         |                          | Conductivity (EC) | 1110   | µS/cm   |
|                              |         |                          | Copper            | 0.031  | mg/L    |
|                              |         |                          | Iron              | 0.12   | mg/L    |
|                              |         |                          | Lead              | 0.001  | mg/L    |
|                              |         |                          | Manganese         | 0.073  | mg/L    |
|                              |         |                          | Mercury           | 0.0001 | mg/L    |
|                              |         |                          | Nickel            | 0.002  | mg/L    |
|                              |         |                          | pH                | 7.56   | pH Unit |
|                              |         |                          | Sulfate           | 213    | mg/L    |
|                              |         |                          | Vanadium          | 0.01   | mg/L    |
| Zinc                         | 0.046   | mg/L                     |                   |        |         |
| SWL                          | 27.75   | m                        |                   |        |         |
| EPA ID<br>No. 22 -<br>GIP298 | Monthly | Sampled:<br>27/5/20      | Arsenic           | 0.01   | mg/L    |
|                              |         |                          | Barium            | 0.01   | mg/L    |
|                              |         |                          | Beryllium         | 0.01   | mg/L    |
|                              |         | Obtained:<br>9/6/20      | Cadmium           | 0.001  | mg/L    |
|                              |         |                          | Chloride          | 9210   | mg/L    |
|                              |         |                          | Chromium          | 0.01   | mg/L    |

|                              |         |  |  |  |   |
|------------------------------|---------|--|--|--|---|
|                              |         | Published:<br>17/06/2020   | Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate<br>Vanadium<br>Zinc<br>SWL  | 0.01<br>31400<br>0.01<br>0.1<br>0.01<br>0.097<br>0.0001<br>0.01<br>7.32<br>2970<br>0.1<br>0.05<br>23.09  | mg/L<br>µS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit<br>mg/L<br>mg/L<br>mg/L<br>m   |
| EPA ID<br>No. 23 -<br>GIP299 | Monthly | Sampled:<br>19/5/20<br><br>Obtained:<br>4/6/20<br><br>Published:<br>17/06/2020 | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH<br>Sulfate<br>Vanadium<br>Zinc<br>SWL | 0.01<br>0.01<br>0.01<br>0.0035<br>7180<br>0.01<br>0.01<br>29800<br>0.01<br>0.38<br>0.01<br>0.466<br>0.0001<br>0.01<br>7.18<br>12000<br>0.1<br>0.051<br>32.91 | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>µS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit<br>mg/L<br>mg/L<br>mg/L<br>m |
| EPA ID<br>No. 24 -<br>GIP300 | Monthly | Sampled:<br>19/5/20<br><br>Obtained:<br>4/6/20<br><br>Published:<br>17/06/2020 | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Chloride<br>Chromium<br>Cobalt<br>Conductivity (EC)<br>Copper<br>Iron<br>Lead<br>Manganese<br>Mercury<br>Nickel<br>pH                                       | 0.01<br>0.039<br>0.01<br>0.0012<br>10700<br>0.393<br>0.012<br>32200<br>0.033<br>1.52<br>0.01<br>0.246<br>0.0001<br>0.63<br>7.41                              | mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>µS/cm<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>mg/L<br>pH Unit                              |

|                              |         |                          |                   |        |         |
|------------------------------|---------|--------------------------|-------------------|--------|---------|
|                              |         |                          | Sulfate           | 3890   | mg/L    |
|                              |         |                          | Vanadium          | 0.1    | mg/L    |
|                              |         |                          | Zinc              | 0.07   | mg/L    |
|                              |         |                          | SWL               | 23.35  | m       |
| EPA ID<br>No. 25 -<br>GIP301 | Monthly | Sampled:<br>19/5/20      | Arsenic           | 0.001  | mg/L    |
|                              |         |                          | Barium            | 0.019  | mg/L    |
|                              |         | Obtained:<br>4/6/20      | Beryllium         | 0.001  | mg/L    |
|                              |         |                          | Cadmium           | 0.0022 | mg/L    |
|                              |         | Published:<br>17/06/2020 | Chloride          | 1360   | mg/L    |
|                              |         |                          | Chromium          | 0.001  | mg/L    |
|                              |         |                          | Cobalt            | 0.001  | mg/L    |
|                              |         |                          | Conductivity (EC) | 7080   | µS/cm   |
|                              |         |                          | Copper            | 0.035  | mg/L    |
|                              |         |                          | Iron              | 0.05   | mg/L    |
|                              |         |                          | Lead              | 0.001  | mg/L    |
|                              |         |                          | Manganese         | 0.409  | mg/L    |
|                              |         |                          | Mercury           | 0.0001 | mg/L    |
|                              |         |                          | Nickel            | 0.01   | mg/L    |
|                              |         |                          | pH                | 7.34   | pH Unit |
|                              |         | Sulfate                  | 1150              | mg/L   |         |
|                              |         | Vanadium                 | 0.01              | mg/L   |         |
| Zinc                         | 0.103   | mg/L                     |                   |        |         |
| SWL                          | 17.62   | m                        |                   |        |         |
| EPA ID<br>No. 26 -<br>GIP302 | Monthly | Sampled:<br>19/5/20      | Arsenic           | 0.002  | mg/L    |
|                              |         |                          | Barium            | 0.005  | mg/L    |
|                              |         | Obtained:<br>4/6/20      | Beryllium         | 0.001  | mg/L    |
|                              |         |                          | Cadmium           | 0.0389 | mg/L    |
|                              |         | Published:<br>17/06/2020 | Chloride          | 6910   | mg/L    |
|                              |         |                          | Chromium          | 0.082  | mg/L    |
|                              |         |                          | Cobalt            | 0.215  | mg/L    |
|                              |         |                          | Conductivity (EC) | 27000  | µS/cm   |
|                              |         |                          | Copper            | 0.681  | mg/L    |
|                              |         |                          | Iron              | 0.88   | mg/L    |
|                              |         |                          | Lead              | 0.005  | mg/L    |
|                              |         |                          | Manganese         | 13.2   | mg/L    |
|                              |         |                          | Mercury           | 0.0001 | mg/L    |
|                              |         |                          | Nickel            | 0.762  | mg/L    |
|                              |         |                          | pH                | 6.98   | pH Unit |
|                              |         | Sulfate                  | 9200              | mg/L   |         |
|                              |         | Vanadium                 | 0.01              | mg/L   |         |
| Zinc                         | 0.497   | mg/L                     |                   |        |         |
| SWL                          | 21.85   | m                        |                   |        |         |