

|                                     | Cleveland Catchment |        |        |        | Erapah Catchment |        |        |        | Hilliards Catchment |        |        |        | Moogurrapum Catchment |        |        |        |         |        |        |        |         |        |        |        |        |
|-------------------------------------|---------------------|--------|--------|--------|------------------|--------|--------|--------|---------------------|--------|--------|--------|-----------------------|--------|--------|--------|---------|--------|--------|--------|---------|--------|--------|--------|--------|
| Site                                | CLEVEWQ1            |        |        |        | EPRAWQ2          |        |        |        | EPRAWQ3             |        |        |        | HILLWQ1               |        |        |        | HILLWQ5 |        |        |        | MOOGWQ1 |        |        |        |        |
| Date                                | Feb 11              | Mar 11 | Apr 11 | May 11 | Feb 11           | Mar 11 | Apr 11 | May 11 | Feb 11              | Mar 11 | Apr 11 | May 11 | Feb 11                | Mar 11 | Apr 11 | May 11 | Feb 11  | Mar 11 | Apr 11 | May 11 | Feb 11  | Mar 11 | Apr 11 | May 11 | Feb 11 |
| Water Temperature (°C)              | 25.00               | 25.70  | 20.54  | 20.01  | 25.60            | 22.4   | 19.75  | 18.08  | 25.00               | 22.5   | 19.97  | 17.65  | 28                    | 23.6   | -      | 18.34  | 27.20   | 23.2   | 19.46  | 18.34  | 25.90   | 24.2   | 20.10  | 20.37  | 27.90  |
| Conductivity (mS/cm)                | 0.31                | 0.39   | 0.26   | 0.40   | 0.16             | 0.335  | 0.22   | 0.27   | 0.39                | 0.537  | 0.25   | 0.28   | 0.216                 | 0.292  | -      | 0.33   | 1.04    | 0.997  | 0.30   | 0.61   | 0.28    | 107.7  | 0.30   | 0.74   | 0.17   |
| pH                                  | 5.35                | 8.91   | 7.18   | 7.34   | 5.70             | 5.59   | 7.09   | 6.75   | 6.33                | 6.87   | 6.66   | 7.57   | 5.19                  | 6.03   | -      | 7.05   | 7.02    | 9.31   | 7.03   | 7.47   | 5.45    | 7.04   | 6.76   | 6.77   | 5.82   |
| Dissolved Oxygen (% sat)            | 101.5               | 126.00 | 100.2  | 116.60 | 54.2             | 26.1   | 77.5   | 75.70  | 64.8                | 48.9   | 79.6   | 80.00  | 21.9                  | 13.3   | -      | 62.00  | 59.0    | 84     | 78.8   | 72.50  | 58.5    | 11.1   | 74.7   | 50.90  | 49.4   |
| Turbidity (NTU)                     | 18.8                | 40.10  | 41.9   | 18.70  | 569.0            | 42.4   | 37.5   | 42.50  | 38.5                | 18.8   | 50.8   | 36.90  | 206                   | 33.7   | -      | 20.30  | 11.4    | 32.6   | 38.5   | 29.30  | 38.8    | 0      | 23.6   | 18.40  | 151.0  |
| Total Suspended Solids mg/L         | 6                   | 6      | 11     | 6      | 327              | 8      | 20     | 78     | 19                  | 4      | 25     | 21     | 30                    | 28     | 14     | 17     | 3       | 29     | 39     | 5      | 18      | 20     | 11     | 6      | 36     |
| Chlorophyll-a mg/L                  | 2                   | 7      | 2      | 2      | <1               | 12     | <1     | 1      | 2                   | 4      | 4      | 3      | 18                    | 19     | 3      | 3      | 1       | 4      | 1      | 18     | 4       | 2      | 3      | 1      | 3      |
| Ammonia Nitrogen mg/L               | 0.01                | 0.02   | 0.01   | 0.02   | 0.03             | 0.06   | 0.03   | 0.03   | 0.07                | 0.24   | 0.05   | 0.03   | 0.01                  | 0.02   | 0.03   | 0.02   | 0.03    | 0.02   | 0.03   | 0.08   | 0.03    | 0.04   | 0.04   | 0.08   | 0.01   |
| NOX mg/L                            | 0.11                | 0.81   | 0.20   | 0.56   | 0.13             | 0.08   | 0.16   | 0.14   | 0.13                | 0.09   | 0.27   | 0.17   | 0.01                  | 0.01   | 0.05   | 0.03   | 0.1     | 0.24   | 0.27   | 0.64   | 0.15    | 0.02   | 0.14   | 0.32   | 0.21   |
| Filterable Reactive Phosphorus mg/L | 0.012               | 0.055  | 0.032  | 0.013  | 0.018            | 0.058  | 0.12   | 0.189  | 0.037               | 0.010  | 0.042  | 0.047  | 0.01                  | 0.007  | 0.029  | 0.014  | 0.092   | 0.093  | 0.058  | 0.238  | 0.351   | 0.025  | 0.71   | 0.008  | 0.035  |
| Total Nitrogen mg/L                 | 0.56                | 3.1    | 0.85   | 1.0    | 1.3              | 1.1    | 1.4    | 1.6    | 1.1                 | 1.0    | 1.3    | 1.2    | 0.88                  | 0.95   | 0.87   | 0.71   | 0.6     | 0.82   | 1.0    | 0.74   | 1.4     | 0.72   | 1.7    | 0.78   | 0.67   |
| Total Phosphorus mg/L               | 0.07                | 0.06   | 0.09   | 0.06   | 0.32             | 0.39   | 0.41   | 0.57   | 0.21                | 0.14   | 0.18   | 0.06   | 0.26                  | 0.21   | 0.09   | 0.08   | 0.37    | 0.29   | 0.19   | 0.19   | 0.74    | 0.26   | 1.2    | 0.05   | 0.13   |

| nent    |        |        | Thornlands Catchment |        |        |        | Native Dog Catchment |        |        |        | Tarradarrapin Catchment |        |        |        |          |        |        |        |          |        |        |        |         |        |        |        |
|---------|--------|--------|----------------------|--------|--------|--------|----------------------|--------|--------|--------|-------------------------|--------|--------|--------|----------|--------|--------|--------|----------|--------|--------|--------|---------|--------|--------|--------|
| MOOGWQ4 |        |        | THORN WQ1 QC         |        |        |        | NDOGWQ4              |        |        |        | NDOGWQ6                 |        |        |        | TARRAWQ4 |        |        |        | TARRAWQ6 |        |        |        | TINGWQ3 |        |        |        |
| Mar 11  | Apr 11 | May 11 | Feb 11               | Mar 11 | Apr 11 | May 11 | Feb 11               | Mar 11 | Apr 11 | May 11 | Feb 11                  | Mar 11 | Apr 11 | May 11 | Feb 11   | Mar 11 | Apr 11 | May 11 | Feb 11   | Mar 11 | Apr 11 | May 11 | Feb 11  | Mar 11 | Apr 11 | May 11 |
| 23      | 20.07  | 18.74  | 26.6                 | 23.2   | -      | 19.65  | 25.5                 | 22.2   | 20.32  | 18.90  | 29.40                   | 23.3   | 21.90  | 20.62  | 26.4     | 23.7   | 21.30  | 19.77  | 26.2     | 22.7   | 20.80  | 17.93  | 24.50   | 23.90  | 19.23  | 17.33  |
| 0.756   | 0.16   | 0.24   | 0.188                | 0.5    | -      | 0.27   | 0.138                | 1.116  | 0.23   | 0.20   | 0.31                    | 1.064  | 0.24   | 0.28   | 0.58     | 0.501  | 0.28   | 0.25   | 0.379    | 0.425  | 0.32   | 0.36   | 0.30    | 0.19   | 0.14   | 0.16   |
| 0.676   | 6.49   | 7.04   | 4.33                 | 7.37   | -      | 7.43   | 5.73                 | 6.74   | 6.6    | 6.98   | 6.01                    | 6.61   | 7.11   | 7.35   | 6.06     | 6.63   | 7.64   | 7.24   | 6.5      | 6.25   | 7.8    | 7.33   | 5.86    | 7.63   | 6.56   | 7.54   |
| 0.4     | 24     | 12.50  | 42.1                 | 83.8   | -      | 33.30  | 36.3                 | 11.3   | 47.8   | 51.70  | 84.6                    | 8.3    | 105.7  | 86.70  | 45.0     | 39.6   | 65     | 71.70  | 26       | 3.6    | 62.1   | 39.40  | 63.3    | 20.90  | 82.8   | 83.50  |
| 22.8    | 52.1   | 30.20  | 13.6                 | 60.9   | -      | 16.60  | 75.6                 | 35.5   | 24.1   | 31.50  | 753.0                   | 138    | 46.3   | 49.70  | 2.4      | 48.6   | 3.48   | 17.20  | 52       | 62.4   | 15.6   | 15.20  | 24.5    | 45.30  | 60.5   | 80.30  |
| 8       | 16     | 17     | 5                    | <3     | 14     | 9      | 34                   | 13     | 13     | 16     | 700                     | 14     | 28     | 102    | <3       | <3     | 7      | 6      | 10       | 10     | 35     | 4      | 8       | 20     | 47     | 3      |
| 39      | 7      | 13     | 1                    | 4      | 1      | 3      | 1                    | 13     | 1      | 2      | 9                       | 56     | 15     | 5      | 1        | 1      | 1      | 3      | 2        | 6      | 1      | 1      | 1       | 27     | 1      | 47     |
| 0.01    | 0.05   | 0.05   | 0.04                 | 0.02   | 0.03   | 0.08   | 0.04                 | 0.03   | 0.02   | 0.01   | 0.07                    | 0.11   | 0.01   | 0.02   | 0.04     | 0.02   | 0.02   | 0.03   | 0.06     | 0.07   | 0.02   | 0.01   | 0.02    | 0.03   | 0.02   | 0.01   |
| <0.01   | 0.17   | 0.07   | 0.25                 | 0.54   | 0.57   | 0.46   | 0.07                 | 0.01   | 0.02   | 0.03   | 0.33                    | 0.02   | 0.02   | 0.02   | 1.8      | 1.2    | 4.1    | 0.43   | <0.01    | 0.06   | 0.19   | 0.01   | 0.28    | 0.06   | 0.28   | 0.27   |
| 0.005   | 0.007  | 0.002  | 0.033                | 0.016  | 0.025  | 0.018  | 0.025                | -      | 0.010  | 0.004  | 0.006                   | <0.002 | 0.006  | 0.008  | 0.015    | 0.026  | 0.017  | 0.010  | 0.003    | 0.007  | 0.005  | 0.002  | 0.008   | 0.006  | 0.007  | 0.010  |
| 0.52    | 0.57   | 0.52   | 0.62                 | 0.7    | 0.96   | 0.91   | 0.68                 | -      | 0.82   | 0.66   | 1.4                     | 0.43   | 0.69   | 0.93   | 2.2      | 1.8    | 7.1    | 0.83   | 0.47     | 0.47   | 0.49   | 0.30   | 0.84    | 1.1    | 1.3    | 1.2    |
| 0.05    | 0.05   | 0.04   | 0.08                 | 0.04   | 0.06   | 0.06   | 0.07                 | -      | 0.06   | 0.03   | 0.12                    | 0.03   | 0.05   | 0.08   | 0.07     | 0.06   | 0.04   | 0.05   | 0.14     | 0.11   | 0.09   | 0.03   | 0.05    | 0.06   | 0.08   | 0.07   |

| Tingalpa Catchment |        |        |        | Weinam Catchment |        |        |        | Macleay Island Catchment |        |        |        |        |        |        |        | Russell Island Catchment |        |        |        |        |        |        |        |        |        |        |
|--------------------|--------|--------|--------|------------------|--------|--------|--------|--------------------------|--------|--------|--------|--------|--------|--------|--------|--------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| TINGWQ8            |        |        |        | TINGWQ11         |        |        |        | WEINWQ1                  |        |        |        | MACWQ1 |        |        |        | MACWQ2                   |        |        |        | RUSWQ1 |        |        |        | RUSWQ2 |        |        |
| Feb 11             | Mar 11 | Apr 11 | May 11 | Feb 11           | Mar 11 | Apr 11 | May 11 | Feb 11                   | Mar 11 | Apr 11 | May 11 | Feb 11 | Mar 11 | Apr 11 | May 11 | Feb 11                   | Mar 11 | Apr 11 | May 11 | Feb 11 | Mar 11 | Apr 11 | May 11 | Feb 11 | Mar 11 | Apr 11 |
| 24.70              | 25.3   | 22.08  | 18.66  | 24.60            | 22.5   | 20.34  | 19.00  | 27.30                    | 22.5   | 20.79  | 18.34  | 24.22  | 22.4   | 18.88  | 16.35  | 24.27                    | 22.2   | 19.57  | 16.34  | 30.23  | 23.5   | 20.89  | 17.83  | 25.69  | 22.4   | 20.39  |
| 0.22               | 1.429  | 0.22   | 0.25   | 0.27             | 0.407  | 0.34   | 0.27   | 0.15                     | 0.989  | 0.23   | 0.25   | 0.247  | 0.261  | 0.14   | 0.18   | 0.384                    | 0.335  | 0.25   | 0.28   | 0.16   | 0.127  | 0.12   | 0.16   | 0.502  | 0.259  | 0.25   |
| 5.58               | 6.37   | 7.67   | 7.19   | 5.37             | 6.62   | 7.44   | 7.04   | 4.70                     | 6.41   | 6.52   | 7.10   | 6.97   | 6.44   | 6.94   | 6.35   | 6.74                     | 6.56   | 7.27   | 6.76   | 6.75   | 6.01   | 7.26   | 6.89   | 6.39   | 6.24   | 6.14   |
| 59.6               | 114.7  | 78     | 77.10  | 32.4             | 2.01   | 70.2   | 74.90  | 28.2                     | 44.6   | 39     | 35.30  | 49.7   | 26.2   | 40.2   | 7.60   | 39.5                     | 13.1   | 8      | 9.80   | 40.3   | 48.3   | 50.17  | 21.60  | 1.6    | 40.4   | 47     |
| 20.0               | 0      | 9.27   | 48.90  | 16.5             | 20.1   | 25.6   | 35.80  | 11.4                     | 10.7   | 15     | 5.22   | 7.84   | 101    | 32     | 24.40  | 13.3                     | 38.3   | 18.8   | 14.60  | 4.1    | 2.8    | 7.6    | 12.90  | 11.8   | 12.1   | 21.8   |
| 11                 | <3     | 3      | 26     | 8                | 13     | 13     | 13     | 6                        | 10     | 4      | 5      | 17     | 20     | 16     | 33     | 16                       | 18     | 18     | 21     | 9      | 9      | 7      | 7      | 23     | 10     | 21     |
| 2                  | 1      | 1      | 3      | 5                | 14     | 1      | 3      | 6                        | 10     | 1      | 3      | 28     | 4      | 1      | 62     | 16                       | 9      | 16     | 65     | 2      | 9      | 11     | 1      | 2      | 1      | 4      |
| 0.09               | 0.01   | 0.01   | 0.05   | 0.05             | 0.04   | 0.04   | 0.03   | 0.03                     | 0.04   | 0.04   | 0.02   | 0.05   | 0.02   | 0.02   | 0.06   | 0.08                     | 0.08   | 0.14   | 0.11   | 0.01   | 0.01   | 0.01   | 0.01   | 0.02   | 0.09   | 0.09   |
| 0.17               | 0.25   | 0.17   | 0.22   | 0.05             | 0.04   | 0.14   | 0.10   | 0.1                      | 0.02   | 0.25   | 0.36   | 0.01   | 0.03   | 0.10   | 0.02   | <0.01                    | 0.01   | 0.01   | 0.02   | <0.01  | <0.01  | 0.14   | 0.02   | 0.01   | 0.01   | 0.02   |
| 0.009              | <0.002 | 0.007  | 0.013  | 0.048            | 0.006  | 0.017  | 0.005  | 0.025                    | 0.007  | 0.058  | 0.009  | <0.002 | <0.002 | 0.004  | 0.003  | <0.002                   | <0.002 | 0.004  | 0.003  | <0.002 | <0.002 | 0.003  | <0.002 | <0.002 | <0.002 | 0.002  |
| 0.64               | 0.49   | 0.48   | 1.0    | 0.78             | 0.83   | 0.92   | 0.65   | 0.49                     | 0.41   | 0.93   | 0.71   | 0.54   | 0.82   | 0.63   | 0.59   | 0.97                     | 0.9    | 0.97   | 0.87   | 0.33   | 0.26   | 0.29   | 0.17   | 0.51   | 0.29   | 0.26   |
| 0.06               | 0.02   | 0.04   | 0.09   | 0.22             | 0.09   | 0.12   | 0.06   | 0.19                     | 0.27   | 0.17   | 0.05   | 0.04   | 0.09   | 0.04   | 0.03   | 0.06                     | 0.05   | 0.04   | 0.05   | 0.01   | 0.01   | 0.01   | <0.01  | 0.03   | 0.01   | 0.01   |

|        | Lamb Island Catchment |        |        |        | Karragarra Island Catchment |        |        |        |
|--------|-----------------------|--------|--------|--------|-----------------------------|--------|--------|--------|
|        | LAMWQ1                |        |        |        | KARWQ1                      |        |        |        |
| May 11 | Feb 11                | Mar 11 | Apr 11 | May 11 | Feb 11                      | Mar 11 | Apr 11 | May 11 |
| 17.27  | 26.31                 | 23.2   | 20.58  | 16.84  | 33.25                       | 25.1   | 22.99  | 17.76  |
| 0.23   | 0.194                 | 0.154  | 0.17   | 0.18   | 32.6                        | 21.45  | 5.73   | 0.19   |
| 6.43   | 7.05                  | 6.19   | 6.38   | 6.88   | 6.11                        | 7.5    | 6.39   | 6.66   |
| 23.50  | 6.18                  | 28.6   | 19.2   | 32.00  | 85                          | 35.2   | 83.4   | 46.50  |
| 15.90  | 5.28                  | 44.4   | 29.7   | 35.30  | 28.1                        | 59.9   | 38.9   | 8.13   |
| 29     | 12                    | 10     | 16     | 15     | 99                          | 18     | 21     | 21     |
| 2      | 17                    | 11     | 6      | 91     | 41                          | 2      | 4      | 5      |
| 0.14   | 0.03                  | 0.01   | 0.01   | 0.01   | 0.03                        | 0.16   | 0.03   | 0.02   |
| 0.01   | <0.01                 | 0.03   | 0.01   | 0.04   | 0.01                        | 0.07   | 0.02   | 0.01   |
| <0.002 | <0.002                | <0.002 | 0.020  | 0.004  | 0.009                       | 0.009  | 0.008  | 0.002  |
| 0.25   | 0.72                  | 0.89   | 0.42   | 0.45   | 1.4                         | 0.89   | 0.65   | 0.55   |
| < 0.01 | 0.07                  | 0.03   | 0.03   | 0.03   | 0.17                        | 0.09   | 0.11   | 0.02   |