

# MONTHLY SUMMARY SHEET



Summary Sheet For Sites : Warrawong (ASP08)

No. of days exceeding: 25000 ng/m<sup>3</sup> is 2

## Absolute Values (ng/m<sup>3</sup>)

| 2019-2019 | Mass      | (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> | OMH       | Soil      | BC        | Salt      | K         | Fe        | Zn        | Pb        |
|-----------|-----------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Jan-19    | 11713     | 3361  | 150       | 945       | 651       | 3164      | 64.4      | 146.4     | 12.5      | 4.3       |
| Feb-19    | 8141      | 2056  | 212       | 1025      | 656       | 2401      | 49.3      | 209.4     | 41.5      | 6.5       |
| Mar-19    | 7377      | 1810  | 727       | 1347      | 618       | 1599      | 51.4      | 188.1     | 29.7      | 4.7       |
| Apr-19    | 7027      | 1816  | 567       | 625       | 649       | 1712      | 45.3      | 137.2     | 24.9      | 4.4       |
| May-19    | 4669      | 1091  | 955       | 509       | 641       | 592       | 36.2      | 84.9      | 16.6      | 2.4       |
| Jun-19    | 4420      | 641   | 877       | 660       | 578       | 681       | 37.8      | 97.7      | 12.3      | 2.5       |
| Jul-19    | 4186      | 688   | 773       | 536       | 576       | 744       | 36.0      | 95.1      | 19.4      | 4.2       |
| Aug-19    | 4734      | 934   | 649       | 547       | 607       | 1072      | 34.7      | 90.3      | 14.5      | 5.2       |
| Sep-19    | 5466      | 1027  | 499       | 799       | 517       | 1690      | 39.8      | 137.4     | 9.8       | 3.7       |
| Oct-19    | 10239     | 2223  | 1754      | 1151      | 782       | 1963      | 67.0      | 243.4     | 42.3      | 6.4       |
| Nov-19    | 10172     | 1625  | 1675      | 854       | 655       | 2438      | 56.6      | 151.9     | 23.8      | 5.5       |
| Dec-19    | 13192     | 2536  | 1878      | 915       | 1006      | 3489      | 81.0      | 159.3     | 17.4      | 9.2       |
| Average   | 7611      | 1651  | 893       | 826       | 661       | 1795      | 50.0      | 145.1     | 22.1      | 4.9       |
| Stan Dev  | 3098      | 821   | 581       | 265       | 126       | 950       | 14.8      | 49.9      | 10.9      | 1.9       |
| Minimum   | 1425      | 167   | 0         | 57        | 106       | 0         | 8         | 5         | 0         | 0         |
| Date      | 17-Jul-19 | 21-Aug-19                                       | 17-Nov-19 | 17-Mar-19 | 21-Aug-19 | 17-Jul-19 | 21-Aug-19 | 23-Jun-19 | 17-Mar-19 | 11-Dec-19 |
| Maximum   | 39790     | 6651  | 14253     | 5481      | 2531      | 5130      | 282       | 750       | 249       | 27        |
| Date      | 30-Oct-19 | 02-Jan-19                                       | 30-Oct-19 | 06-Mar-19 | 30-Oct-19 | 22-Dec-19 | 30-Oct-19 | 30-Oct-19 | 06-Oct-19 | 29-Dec-19 |

## Exceedance Information

| 2019-2019 | Mass  | (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> | OMH   | Soil | BC   | Salt | K   | Fe  | Zn | Pb |
|-----------|-------|---|-------|------|------|------|-----|-----|----|----|
| 30-Oct-19 | 39790 | 5273  | 14253 | 3925 | 2531 | 3399 | 282 | 750 | 63 | 14 |
| 03-Nov-19 | 26224 | 3808  | 6931  | 2144 | 1751 | 3943 | 165 | 372 | 75 | 20 |

## Relative Percentages (%)

| 2019-2019 | RCM% | (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> % | OMH% | Soil% | BC% | Salt% | K%   | Fe%  | Zn%  | Pb%  |
|-----------|------|---|------|-------|-----|-------|------|------|------|------|
| Jan-19    | 72   | 29  | 1    | 8     | 6   | 27    | 0.55 | 1.25 | 0.11 | 0.04 |
| Feb-19    | 83   | 25  | 3    | 13    | 8   | 29    | 0.61 | 2.57 | 0.51 | 0.08 |
| Mar-19    | 83   | 25  | 10   | 18    | 8   | 22    | 0.70 | 2.55 | 0.40 | 0.06 |
| Apr-19    | 80   | 26  | 8    | 9     | 9   | 24    | 0.64 | 1.95 | 0.35 | 0.06 |
| May-19    | 84   | 23  | 20   | 11    | 14  | 13    | 0.78 | 1.82 | 0.35 | 0.05 |
| Jun-19    | 80   | 15  | 20   | 15    | 13  | 15    | 0.85 | 2.21 | 0.28 | 0.06 |
| Jul-19    | 79   | 16  | 18   | 13    | 14  | 18    | 0.86 | 2.27 | 0.46 | 0.10 |
| Aug-19    | 80   | 20  | 14   | 12    | 13  | 23    | 0.73 | 1.91 | 0.31 | 0.11 |
| Sep-19    | 82   | 19  | 9    | 15    | 9   | 31    | 0.73 | 2.51 | 0.18 | 0.07 |
| Oct-19    | 84   | 22  | 17   | 11    | 8   | 19    | 0.65 | 2.38 | 0.41 | 0.06 |
| Nov-19    | 77   | 16  | 16   | 8     | 6   | 24    | 0.56 | 1.49 | 0.23 | 0.05 |
| Dec-19    | 76   | 19  | 14   | 7     | 8   | 26    | 0.61 | 1.21 | 0.13 | 0.07 |
| Average   | 80   | 21  | 13   | 12    | 10  | 23    | 0.69 | 2.01 | 0.31 | 0.07 |
| Stan Dev  | 4    | 4   | 6    | 3     | 3   | 6     | 0.10 | 0.49 | 0.13 | 0.02 |

















