

South East Queensland Water Quality Objectives Review

Consultation Draft Water Quality Data

Brisbane Creeks Bramble Bay - Part of Basin 142

Brisbane Creeks - Lower Estuary Waters

| Sub-Basin | Percentile | Nutrients | | | | | Turbidity (NTU) | Turbidity Total Suspended Solids (mg/L) | Secchi (m) | Productivity | | Phys-Chem | | Percentiles for DO(%) and Secchi (m) |
|--|------------|-----------|--------------------------|-------------------|------------|------------|--------------------|---|---------------|-------------------------|---------------------------------------|-----------|----------------------------|--|
| | | Total P | Filterable Reactive P | Total N (µg/L) | Oxidised N | Ammonium N | | | | Chlorophyll-a (µg/L) | Electrical Conductivity (µS/cm) | pH | Dissolved Oxygen (%) | |
| Existing WQO for Moderately Disturbed waters | 20 | | | | | | | 2 | | 1 | N.A. | 8.1 | 95 | |
| | Median | 22 | 10 | 150 | 2 | 3 | 4 | | | | | | | |
| | 80 | | | | | | | | | | | 8.4 | 105 | |
| Nundah Creek estuary | 10 | 77 | 48 | 270 | 1 | 1 | 5 | 8 | 0.6 | 1.9 | | 7.6 | 74 | 20 |
| HEV area | 20 | 85 | 55 | 296 | 10 | 5 | 6 | 12 | 0.6 | 2.8 | | 7.8 | 78 | 30 |
| | 40 | 126 | 70 | 368 | 78 | 21 | 8 | 17 | 0.8 | 3.9 | | 7.9 | 88 | 50 |
| | 50 | 140 | 83 | 445 | 106 | 63 | 10 | 19 | 0.9 | 5.5 | | 8.0 | 94 | 60 |
| | 70 | 193 | 146 | 703 | 201 | 129 | 12 | 23 | 1.1 | 7.6 | | 8.1 | 107 | 80 |
| | 80 | 420 | 372 | 1240 | 584 | 260 | 14 | 26 | 1.3 | 8.4 | | 8.2 | 112 | 90 |
| | Count | 20 | 20 | 20 | 20 | 20 | 20 | 65 | 19 | 65 | 18 | | 65 | 65 |

Brisbane Creeks - Mid Estuary Waters

| Sub-Basin | Percentile | Nutrients | | | | | Turbidity (NTU) | Turbidity Total Suspended Solids (mg/L) | Secchi (m) | Productivity | | Phys-Chem | | Percentiles for DO(%) and Secchi (m) |
|--|------------|-----------|--------------------------|-------------------|------------|------------|--------------------|---|---------------|-------------------------|---------------------------------------|-----------|----------------------------|--|
| | | Total P | Filterable Reactive P | Total N (µg/L) | Oxidised N | Ammonium N | | | | Chlorophyll-a (µg/L) | Electrical Conductivity (µS/cm) | pH | Dissolved Oxygen (%) | |
| Existing WQO for Moderately Disturbed waters | 20 | | | | | | | 1 | | 4 | N.A. | 7 | 85 | |
| | Median | 25 | 6 | 300 | 10 | 10 | 8 | 20 | | | | 8.4 | 105 | |
| | 80 | | | | | | | | | | | | | |
| Nundah Creek estuary | 10 | 94 | 44 | 380 | 17 | 12 | 6 | 11 | 0.5 | 0.8 | | 7.0 | 42 | 20 |
| Nudgee Creek estuary | 20 | 120 | 61 | 440 | 40 | 30 | 8 | 14 | 0.6 | 1.3 | | 7.2 | 51 | 30 |
| Kedron Brook and Schultz Canal estuaries | 40 | 160 | 100 | 548 | 95 | 66 | 10 | 19 | 0.7 | 3.1 | | 7.4 | 64 | 50 |
| Jubilee Creek estuary | 50 | 190 | 130 | 610 | 140 | 89 | 12 | 20 | 0.8 | 4.3 | | 7.5 | 68 | 60 |
| | 70 | 280 | 200 | 850 | 280 | 150 | 15 | 32 | 1.0 | 8.1 | | 7.8 | 79 | 80 |
| | 80 | 360 | 270 | 1100 | 400 | 210 | 18 | 37 | 1.1 | 11.5 | | 7.9 | 86 | 90 |
| Count | 789 | 789 | 789 | 789 | 789 | 993 | 135 | 915 | 840 | | | 993 | 994 | Count |
| Cabbage Tree Creek Estuary | 10 | 90 | 43 | 370 | 16 | 14 | 5 | | 0.6 | 0.6 | | 7.0 | 35 | 20 |
| | 20 | 110 | 57 | 410 | 32 | 30 | 7 | | 0.7 | 0.9 | | 7.1 | 44 | 30 |
| | 40 | 140 | 91 | 460 | 57 | 50 | 9 | | 0.8 | 1.8 | | 7.3 | 58 | 50 |
| | 50 | 160 | 110 | 490 | 73 | 61 | 10 | N.D. | 0.9 | 2.4 | | 7.4 | 63 | 60 |
| | 70 | 210 | 150 | 560 | 130 | 89 | 12 | | 1.0 | 4.6 | | 7.6 | 73 | 80 |
| | 80 | 250 | 190 | 610 | 160 | 110 | 15 | | 1.2 | 6.3 | | 7.7 | 79 | 90 |
| Count | 394 | 394 | 394 | 394 | 394 | 397 | 0 | 387 | 374 | | | 397 | 398 | Count |

Brisbane Creeks - Lowland Freshwaters

| Sub-Basin | Percentile | Nutrients | | | | | Turbidity (NTU) | Turbidity Total Suspended Solids (mg/L) | Secchi (m) | Productivity | | Phys-Chem | | Percentiles for DO(%) and Secchi (m) |
|---|------------|-----------|--------------------------|-------------------|------------|------------|--------------------|---|---------------|-------------------------|---------------------------------------|-----------|----------------------------|--|
| | | Total P | Filterable Reactive P | Total N (µg/L) | Oxidised N | Ammonium N | | | | Chlorophyll-a (µg/L) | Electrical Conductivity (µS/cm) | pH | Dissolved Oxygen (%) | |
| Existing WQO for Moderately Disturbed waters | 20 | | | | | | | N.A. | 5 | 600 | 6.5 | 85 | | |
| | Median | 50 | 20 | 500 | 60 | 20 | 50 | 6 | | | 8 | 110 | | |
| | 80 | | | | | | | | | | | | | |
| All Sub-catchments combined | 10 | 21 | 3 | 291 | 4 | 7 | 4 | 1 | 0.5 | 364 | 6.8 | 54 | 20 | |
| | 20 | 29 | 4 | 359 | 16 | 12 | 6 | 3 | 0.9 | 438 | 6.9 | 62 | 30 | |
| | 40 | 41 | 7 | 460 | 52 | 23 | 9 | 4 | 1.6 | 550 | 7.1 | 73 | 50 | |
| | 50 | 48 | 9 | 530 | 82 | 30 | 11 | 5 | 2.1 | 611 | 7.2 | 77 | 60 | |
| | 70 | 66 | 13 | 688 | 190 | 55 | 16 | 8 | 4.0 | 841 | 7.3 | 88 | 80 | |
| | 80 | 80 | 17 | 820 | 250 | 74 | 22 | 11 | 6.1 | 1310 | 7.5 | 96 | 90 | |
| Count | 563 | 563 | 563 | 563 | 563 | 964 | 268 | 684 | 1017 | 1017 | 969 | 969 | Count | |
| Cabbage Tree Creek Incl. Little Cabbage Tree Creek freshwater | 10 | 29 | 4 | 380 | 13 | 13 | 5 | 3 | 0.5 | 364 | 6.8 | 54 | 20 | |
| | 20 | 37 | 6 | 438 | 33 | 21 | 7 | 4 | 0.8 | 446 | 6.9 | 62 | 30 | |
| | 40 | 52 | 9 | 545 | 82 | 34 | 10 | 5 | 1.5 | 544 | 7.1 | 73 | 50 | |
| | 50 | 59 | 10 | 600 | 125 | 44 | 12 | 6 | 2.0 | 607 | 7.2 | 77 | 60 | |
| | 70 | 80 | 16 | 768 | 233 | 62 | 18 | 10 | 4.3 | 806 | 7.3 | 87 | 80 | |
| | 80 | 92 | 20 | 911 | 310 | 80 | 28 | 12 | 7.4 | 1524 | 7.5 | 94 | 90 | |
| Count | 250 | 250 | 250 | 250 | 250 | 626 | 45 | 393 | 645 | 645 | 621 | 621 | Count | |
| Upper Kedron Brook Kedron Brook Urban Reach Kedron Brook - Schultz Canal freshwater | 10 | 15 | 1 | 180 | 4 | 4 | 1 | 1 | 0.3 | 346 | 6.7 | 70 | 20 | |
| | 20 | 20 | 3 | 220 | 8 | 6 | 2 | 1 | 0.8 | 390 | 6.9 | 73 | 30 | |
| | 40 | 29 | 5 | 280 | 27 | 11 | 3 | 3 | 1.3 | 459 | 7.1 | 85 | 50 | |
| | 50 | 33 | 6 | 306 | 37 | 12 | 4 | 3 | 1.5 | 483 | 7.2 | 89 | 60 | |
| | 70 | 43 | 9 | 404 | 94 | 18 | 8 | 5 | 2.5 | 579 | 7.4 | 97 | 80 | |
| | 80 | 47 | 10 | 470 | 150 | 22 | 12 | 6 | 2.9 | 608 | 7.6 | 103 | 90 | |
| Count | 86 | 86 | 86 | 86 | 86 | 75 | 75 | 75 | 99 | 99 | 75 | 75 | Count | |
| Nundah and Downfall Creeks freshwater | 10 | 20 | 3 | 322 | 3 | 7 | 4 | 2 | 0.9 | 370 | 6.8 | 52 | 20 | |
| | 20 | 26 | 4 | 360 | 7 | 10 | 5 | 3 | 1.2 | 468 | 6.9 | 59 | 30 | |
| | 40 | 38 | 6 | 456 | 40 | 21 | 9 | 5 | 2.0 | 632 | 7.1 | 70 | 50 | |
| | 50 | 44 | 7 | 500 | 66 | 29 | 10 | 6 | 2.7 | 712 | 7.2 | 74 | 60 | |
| | 70 | 63 | 12 | 661 | 172 | 55 | 14 | 8 | 4.4 | 992 | 7.3 | 86 | 80 | |
| | 80 | 73 | 16 | 798 | 220 | 89 | 19 | 11 | 6.0 | 1300 | 7.4 | 96 | 90 | |
| Count | 227 | 227 | 227 | 227 | 227 | 263 | 148 | 216 | 284 | 284 | 284 | 284 | Count | |

I.D. - Insufficient Data
 N.D. - No Data
 N.A. - Not Applicable