

Table A3.10.1: Calculated DO Depletion of Grab Dredger Models (cont'd)

| Sensitive Receiver | Depth | Dredging Location A | | Dredging Location B | | Dredging Location C | | Dredging Location D | | Baseline (mg/L) | | Criteria (mg/L) | Dredging Location A | | Dredging Location B | | Dredging Location C | | Dredging Location D | | DO level at sensitive receiver (mg/L) | | |
|---------------------------------------|-------|---------------------|---------|---------------------|---------|---------------------|---------|---------------------|---------|-----------------|-----|-----------------|---------------------|-----|---------------------|-----|---------------------|-----|---------------------|-----|---------------------------------------|-----|-----|
| | | Dry | Wet | Dry | Wet | Dry | Wet | Dry | Wet | Dry | Wet | | Dry | Wet | Dry | Wet | Dry | Wet | Dry | Wet | Dry | Wet | Dry |
| Calculated max SS release rate (kg/s) | | 3.65 | 5.21 | 6.61 | 5.15 | 5.98 | 4.58 | 3.86 | 2.77 | | | | | | | | | | | | | | |
| Max DO Depletion (mg/L) | | | | | | | | | | | | | | | | | | | | | | | |
| CR17 | DA | 3.6E-08 | 5.4E-08 | 3.2E-08 | 4.9E-08 | 1.7E-08 | 2.3E-08 | 9.3E-09 | 1.0E-08 | 5.6 | 5.0 | >4 | 5.6 | 5.0 | 5.6 | 5.0 | 5.6 | 5.0 | 5.6 | 5.0 | 5.6 | 5.0 | |
| | B | 4.1E-08 | 9.6E-08 | 3.7E-08 | 8.7E-08 | 2.0E-08 | 4.0E-08 | 1.1E-08 | 1.8E-08 | 5.8 | 4.2 | >2 | 5.8 | 4.2 | 5.8 | 4.2 | 5.8 | 4.2 | 5.8 | 4.2 | 5.8 | 4.2 | |
| CR18 | DA | 6.6E-07 | 2.7E-05 | 9.7E-06 | 5.8E-05 | 5.0E-06 | 3.1E-05 | 2.5E-06 | 1.2E-05 | 5.9 | 5.4 | >4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | |
| | B | 8.0E-07 | 5.2E-05 | 2.2E-05 | 5.8E-05 | 1.2E-05 | 6.1E-05 | 6.0E-06 | 2.3E-05 | 5.9 | 3.8 | >2 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | |
| CR19 | DA | 6.5E-05 | 1.5E-04 | 5.6E-04 | 3.1E-04 | 1.9E-04 | 2.5E-04 | 9.1E-05 | 7.0E-05 | 5.9 | 5.4 | >4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | |
| | B | 8.6E-05 | 3.3E-04 | 1.4E-03 | 5.4E-04 | 4.3E-04 | 4.6E-04 | 2.1E-04 | 2.2E-04 | 5.9 | 3.8 | >2 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | |
| F1 | DA | 6.8E-05 | 4.4E-05 | 8.9E-05 | 3.3E-05 | 7.1E-05 | 1.7E-05 | 2.8E-05 | 4.5E-06 | 5.7 | 4.3 | >5 | 5.7 | 4.3 | 5.7 | 4.3 | 5.7 | 4.3 | 5.7 | 4.3 | 5.7 | 4.3 | |
| | B | 7.6E-05 | 6.6E-05 | 1.0E-04 | 5.1E-05 | 7.9E-05 | 2.8E-05 | 3.2E-05 | 6.6E-06 | 5.8 | 2.8 | >2 | 5.8 | 2.8 | 5.8 | 2.8 | 5.8 | 2.8 | 5.8 | 2.8 | 5.8 | 2.8 | |
| F2 | DA | 4.1E-07 | 3.6E-06 | 5.1E-07 | 3.0E-06 | 3.7E-07 | 1.7E-06 | 1.6E-07 | 6.5E-07 | 5.6 | 4.6 | >5 | 5.6 | 4.6 | 5.6 | 4.6 | 5.6 | 4.6 | 5.6 | 4.6 | 5.6 | 4.6 | |
| | B | 4.5E-07 | 7.1E-06 | 5.6E-07 | 7.3E-06 | 4.1E-07 | 3.1E-06 | 1.8E-07 | 1.7E-06 | 5.7 | 3.7 | >2 | 5.7 | 3.7 | 5.7 | 3.7 | 5.7 | 3.7 | 5.7 | 3.7 | 5.7 | 3.7 | |
| F3 | DA | 5.1E-08 | 8.8E-08 | 4.6E-08 | 8.0E-08 | 2.5E-08 | 3.7E-08 | 1.3E-08 | 1.7E-08 | 5.6 | 5.0 | >5 | 5.6 | 5.0 | 5.6 | 5.0 | 5.6 | 5.0 | 5.6 | 5.0 | 5.6 | 5.0 | |
| | B | 5.8E-08 | 1.5E-07 | 5.2E-08 | 1.4E-07 | 2.8E-08 | 6.2E-08 | 1.5E-08 | 2.8E-08 | 5.8 | 4.2 | >2 | 5.8 | 4.2 | 5.8 | 4.2 | 5.8 | 4.2 | 5.8 | 4.2 | 5.8 | 4.2 | |
| FP1 | DA | 7.1E-06 | 6.7E-05 | 4.0E-06 | 8.5E-05 | 8.0E-06 | 1.1E-05 | 1.0E-05 | 1.0E-05 | 5.6 | 4.7 | >4 | 5.6 | 4.7 | 5.6 | 4.7 | 5.6 | 4.7 | 5.6 | 4.7 | 5.6 | 4.7 | |
| | B | 7.8E-06 | 1.3E-04 | 4.5E-06 | 1.3E-04 | 9.2E-06 | 2.2E-05 | 1.1E-05 | 1.5E-05 | 5.6 | 3.8 | >2 | 5.6 | 3.8 | 5.6 | 3.8 | 5.6 | 3.8 | 5.6 | 3.8 | 5.6 | 3.8 | |
| FP3 | DA | 5.5E-04 | 5.0E-04 | 1.0E-03 | 6.8E-04 | 2.2E-03 | 1.4E-03 | 2.4E-03 | 1.1E-03 | 5.9 | 5.4 | >4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | |
| | B | 6.0E-04 | 6.5E-04 | 1.1E-03 | 9.6E-04 | 2.3E-03 | 2.8E-03 | 2.9E-03 | 2.8E-03 | 5.9 | 3.8 | >2 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | |
| FP4 | DA | 1.5E-04 | 1.4E-05 | 2.1E-04 | 1.8E-05 | 1.5E-04 | 4.2E-05 | 4.8E-05 | 2.8E-05 | 5.7 | 4.8 | >4 | 5.7 | 4.8 | 5.7 | 4.8 | 5.7 | 4.8 | 5.7 | 4.8 | 5.7 | 4.8 | |
| | B | 1.6E-04 | 9.2E-06 | 2.2E-04 | 2.1E-05 | 1.6E-04 | 1.1E-04 | 5.2E-05 | 7.5E-05 | 5.7 | 3.3 | >2 | 5.7 | 3.3 | 5.7 | 3.3 | 5.7 | 3.3 | 5.7 | 3.3 | 5.7 | 3.3 | |
| GT1 | DA | 6.5E-05 | 1.5E-04 | 5.6E-04 | 3.1E-04 | 1.9E-04 | 2.5E-04 | 9.1E-05 | 7.0E-05 | 5.9 | 5.4 | >4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | |
| | B | 8.6E-05 | 3.3E-04 | 1.4E-03 | 5.4E-04 | 4.3E-04 | 4.6E-04 | 2.1E-04 | 2.2E-04 | 5.9 | 3.8 | >2 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | |
| GT2 | DA | 6.4E-04 | 7.9E-04 | 2.1E-03 | 8.0E-04 | 1.5E-03 | 1.0E-03 | 9.0E-04 | 8.5E-04 | 5.9 | 5.4 | >4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | |
| | B | 7.3E-04 | 1.2E-03 | 2.4E-03 | 2.8E-03 | 2.9E-03 | 2.0E-03 | 1.4E-03 | 8.7E-04 | 5.9 | 3.8 | >2 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | |
| GT3 | DA | 5.5E-05 | 6.9E-05 | 3.2E-04 | 6.2E-04 | 1.5E-03 | 1.2E-03 | 1.2E-03 | 8.8E-04 | 5.9 | 5.4 | >4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | |
| | B | 5.9E-05 | 1.3E-04 | 3.7E-04 | 9.6E-04 | 1.7E-03 | 2.0E-03 | 1.4E-03 | 1.6E-03 | 5.9 | 3.8 | >2 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | |
| GT4 | DA | 1.1E-04 | 1.3E-05 | 1.5E-04 | 6.2E-05 | 2.4E-04 | 3.1E-04 | 3.2E-04 | 3.2E-04 | 5.9 | 5.4 | >4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | |
| | B | 1.2E-04 | 1.7E-05 | 1.7E-04 | 8.2E-05 | 2.5E-04 | 4.3E-04 | 3.5E-04 | 5.0E-04 | 5.9 | 3.8 | >2 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | |
| GT5 | DA | 5.2E-05 | 3.0E-06 | 7.6E-05 | 1.0E-05 | 5.9E-05 | 2.5E-05 | 2.2E-05 | 1.7E-05 | 5.6 | 4.6 | >4 | 5.6 | 4.6 | 5.6 | 4.6 | 5.6 | 4.6 | 5.6 | 4.6 | 5.6 | 4.6 | |
| | B | 4.3E-05 | 6.6E-06 | 6.2E-05 | 2.3E-05 | 4.7E-05 | 6.0E-05 | 1.8E-05 | 4.2E-05 | 5.7 | 3.7 | >2 | 5.7 | 3.7 | 5.7 | 3.7 | 5.7 | 3.7 | 5.7 | 3.7 | 5.7 | 3.7 | |
| PMP1 | DA | 3.5E-04 | 6.2E-04 | 9.9E-04 | 4.3E-04 | 7.6E-04 | 7.3E-04 | 3.7E-04 | 5.9E-04 | 5.9 | 5.4 | >4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | |
| | B | 4.4E-04 | 1.1E-03 | 1.3E-03 | 9.9E-04 | 1.4E-03 | 1.3E-03 | 7.5E-04 | 6.7E-04 | 5.9 | 3.8 | >2 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | |
| SS1 | DA | 8.5E-08 | 4.5E-07 | 1.2E-07 | 1.1E-06 | 9.5E-08 | 2.6E-06 | 5.1E-08 | 3.2E-06 | 5.9 | 5.4 | >4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | |
| | B | 1.1E-07 | 7.4E-07 | 1.5E-07 | 1.8E-06 | 1.2E-07 | 4.2E-06 | 6.4E-08 | 4.3E-06 | 5.9 | 3.8 | >2 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | |

Note: DA represents depth-averaged, B represents bottom layer.
 DO depletion (mg/L) = Predicted SS release elevation (mg/L) x SOD value (taken as 760mg/kg) x Daily oxygen uptake factor (set at 1.0 for worst case estimate)
 DO level at sensitive receiver = Baseline DO level - DO depletion
 Values exceeding criteria limit are highlighted.

Table A3.10.2: Calculated DO Depletion of TSHD Models (cont'd)

| Sensitive Receiver | Depth | Dredging Location A | | Dredging Location B | | Dredging Location C | | Dredging Location D | | Baseline (mg/L) | | Criteria (mg/L) | Dredging Location A | | Dredging Location B | | Dredging Location C | | Dredging Location D | | DO level at sensitive receiver (mg/L) | | |
|---------------------------------------|-------|---------------------|---------|---------------------|---------|---------------------|---------|---------------------|---------|-----------------|-----|-----------------|---------------------|-----|---------------------|-----|---------------------|-----|---------------------|-----|---------------------------------------|-----|-----|
| | | Dry | Wet | Dry | Wet | Dry | Wet | Dry | Wet | Dry | Wet | | Dry | Wet | Dry | Wet | Dry | Wet | Dry | Wet | Dry | Wet | Dry |
| Calculated max SS release rate (kg/s) | | 4.62 | 7.65 | 8.05 | 4.41 | 9.17 | 3.64 | 3.33 | 1.28 | | | | | | | | | | | | | | |
| Max DO Depletion (mg/L) | | | | | | | | | | | | | | | | | | | | | | | |
| CR17 | DA | 4.2E-08 | 3.2E-08 | 2.1E-08 | 9.7E-09 | 5.1E-08 | 2.5E-08 | 1.4E-08 | 4.1E-09 | 5.6 | 5.0 | >4 | 5.6 | 5.0 | 5.6 | 5.0 | 5.6 | 5.0 | 5.6 | 5.0 | 5.6 | 5.0 | |
| | B | 4.8E-08 | 3.7E-08 | 2.4E-08 | 1.1E-08 | 9.1E-08 | 4.4E-08 | 2.4E-08 | 7.2E-09 | 5.8 | 4.2 | >2 | 5.8 | 4.2 | 5.8 | 4.2 | 5.8 | 4.2 | 5.8 | 4.2 | 5.8 | 4.2 | |
| CR18 | DA | 7.7E-07 | 1.3E-05 | 5.8E-06 | 2.3E-06 | 2.6E-05 | 4.0E-06 | 1.6E-06 | 1.2E-06 | 5.9 | 5.4 | >4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | |
| | B | 9.4E-07 | 3.0E-05 | 1.4E-05 | 5.5E-06 | 5.1E-05 | 1.5E-05 | 4.1E-06 | 2.4E-06 | 5.9 | 3.8 | >2 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | |
| CR19 | DA | 7.6E-05 | 6.6E-04 | 2.2E-04 | 8.4E-05 | 1.4E-04 | 4.3E-05 | 1.2E-05 | 7.4E-06 | 5.9 | 5.4 | >4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | |
| | B | 1.0E-04 | 1.6E-03 | 5.0E-04 | 1.9E-04 | 3.4E-04 | 2.0E-04 | 5.0E-05 | 2.3E-05 | 5.9 | 3.8 | >2 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | |
| F1 | DA | 7.0E-05 | 8.8E-05 | 7.7E-05 | 2.7E-05 | 2.7E-05 | 1.3E-05 | 7.5E-06 | 1.8E-06 | 5.7 | 4.3 | >5 | 5.7 | 4.3 | 5.7 | 4.3 | 5.7 | 4.3 | 5.7 | 4.3 | 5.7 | 4.3 | |
| | B | 7.9E-05 | 9.9E-05 | 8.7E-05 | 3.0E-05 | 2.8E-05 | 2.2E-05 | 1.0E-05 | 2.3E-06 | 5.8 | 2.8 | >2 | 5.8 | 2.8 | 5.8 | 2.8 | 5.8 | 2.8 | 5.8 | 2.8 | 5.8 | 2.8 | |
| F2 | DA | 4.3E-07 | 4.8E-07 | 4.1E-07 | 1.5E-07 | 2.2E-06 | 1.4E-06 | 7.8E-07 | 1.9E-07 | 5.6 | 4.6 | >5 | 5.6 | 4.6 | 5.6 | 4.6 | 5.6 | 4.6 | 5.6 | 4.6 | 5.6 | 4.6 | |
| | B | 4.7E-07 | 5.3E-07 | 4.5E-07 | 1.7E-07 | 3.7E-06 | 2.5E-06 | 1.3E-06 | 4.4E-07 | 5.7 | 3.7 | >2 | 5.7 | 3.7 | 5.7 | 3.7 | 5.7 | 3.7 | 5.7 | 3.7 | 5.7 | 3.7 | |
| F3 | DA | 5.9E-08 | 4.6E-08 | 3.0E-08 | 1.4E-08 | 8.4E-08 | 4.0E-08 | 2.2E-08 | 6.7E-09 | 5.6 | 5.0 | >5 | 5.6 | 5.0 | 5.6 | 5.0 | 5.6 | 5.0 | 5.6 | 5.0 | 5.6 | 5.0 | |
| | B | 6.7E-08 | 5.2E-08 | 3.4E-08 | 1.6E-08 | 1.4E-07 | 7.2E-08 | 3.7E-08 | 1.1E-08 | 5.8 | 4.2 | >2 | 5.8 | 4.2 | 5.8 | 4.2 | 5.8 | 4.2 | 5.8 | 4.2 | 5.8 | 4.2 | |
| FP1 | DA | 7.4E-06 | 3.8E-06 | 8.8E-06 | 9.2E-06 | 1.1E-04 | 1.9E-05 | 7.1E-06 | 3.2E-06 | 5.6 | 4.7 | >4 | 5.6 | 4.7 | 5.6 | 4.7 | 5.6 | 4.7 | 5.6 | 4.7 | 5.6 | 4.7 | |
| | B | 8.0E-06 | 4.2E-06 | 9.7E-06 | 1.0E-05 | 2.3E-04 | 3.1E-05 | 1.5E-05 | 6.6E-06 | 5.6 | 3.8 | >2 | 5.6 | 3.8 | 5.6 | 3.8 | 5.6 | 3.8 | 5.6 | 3.8 | 5.6 | 3.8 | |
| FP3 | DA | 4.7E-04 | 1.0E-03 | 2.2E-03 | 2.4E-03 | 3.9E-04 | 5.1E-04 | 8.9E-04 | 7.2E-04 | 5.9 | 5.4 | >4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | |
| | B | 5.2E-04 | 1.1E-03 | 2.7E-03 | 4.8E-03 | 5.6E-04 | 8.9E-04 | 2.3E-03 | 2.8E-03 | 5.9 | 3.8 | >2 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | |
| FP4 | DA | 1.5E-04 | 2.0E-04 | 1.6E-04 | 4.5E-05 | 1.0E-05 | 8.3E-06 | 1.3E-05 | 5.1E-06 | 5.7 | 4.8 | >4 | 5.7 | 4.8 | 5.7 | 4.8 | 5.7 | 4.8 | 5.7 | 4.8 | 5.7 | 4.8 | |
| | B | 1.6E-04 | 2.2E-04 | 1.6E-04 | 5.0E-05 | 5.9E-06 | 8.0E-06 | 3.3E-05 | 1.5E-05 | 5.7 | 3.3 | >2 | 5.7 | 3.3 | 5.7 | 3.3 | 5.7 | 3.3 | 5.7 | 3.3 | 5.7 | 3.3 | |
| GT1 | DA | 7.6E-05 | 6.6E-04 | 2.2E-04 | 8.4E-05 | 1.4E-04 | 4.3E-05 | 1.2E-05 | 7.4E-06 | 5.9 | 5.4 | >4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | |
| | B | 1.0E-04 | 1.6E-03 | 5.0E-04 | 1.9E-04 | 3.4E-04 | 2.0E-04 | 5.0E-05 | 2.3E-05 | 5.9 | 3.8 | >2 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | |
| GT2 | DA | 7.2E-04 | 2.2E-03 | 1.6E-03 | 1.1E-03 | 8.5E-04 | 5.1E-04 | 6.8E-04 | 2.8E-04 | 5.9 | 5.4 | >4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | |
| | B | 8.1E-04 | 2.5E-03 | 2.8E-03 | 1.9E-03 | 1.5E-03 | 2.3E-03 | 2.6E-03 | 1.0E-03 | 5.9 | 3.8 | >2 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | |
| GT3 | DA | 5.5E-05 | 2.4E-04 | 1.7E-03 | 1.5E-03 | 5.6E-05 | 3.8E-04 | 8.2E-04 | 4.8E-04 | 5.9 | 5.4 | >4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | |
| | B | 6.0E-05 | 2.8E-04 | 1.9E-03 | 1.7E-03 | 9.1E-05 | 6.1E-04 | 1.6E-03 | 1.2E-03 | 5.9 | 3.8 | >2 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | |
| GT4 | DA | 1.1E-04 | 1.5E-04 | 2.5E-04 | 3.3E-04 | 8.5E-06 | 3.5E-05 | 1.5E-04 | 1.7E-04 | 5.9 | 5.4 | >4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | |
| | B | 1.2E-04 | 1.6E-04 | 2.6E-04 | 3.7E-04 | 1.1E-05 | 3.2E-05 | 2.2E-04 | 2.9E-04 | 5.9 | 3.8 | >2 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | |
| GT5 | DA | 5.3E-05 | 7.3E-05 | 6.4E-05 | 2.1E-05 | 2.0E-06 | 4.1E-06 | 6.5E-06 | 2.6E-06 | 5.6 | 4.6 | >4 | 5.6 | 4.6 | 5.6 | 4.6 | 5.6 | 4.6 | 5.6 | 4.6 | 5.6 | 4.6 | |
| | B | 4.3E-05 | 5.9E-05 | 5.0E-05 | 1.7E-05 | 4.4E-06 | 9.3E-06 | 1.8E-05 | 7.5E-06 | 5.7 | 3.7 | >2 | 5.7 | 3.7 | 5.7 | 3.7 | 5.7 | 3.7 | 5.7 | 3.7 | 5.7 | 3.7 | |
| PMP1 | DA | 3.9E-04 | 1.1E-03 | 7.3E-04 | 4.1E-04 | 6.4E-04 | 1.8E-04 | 2.0E-04 | 1.4E-04 | 5.9 | 5.4 | >4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | |
| | B | 4.9E-04 | 1.4E-03 | 1.3E-03 | 8.4E-04 | 1.3E-03 | 5.4E-04 | 6.2E-04 | 3.5E-04 | 5.9 | 3.8 | >2 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | |
| SS1 | DA | 8.3E-08 | 1.1E-07 | 1.0E-07 | 5.0E-08 | 3.4E-07 | 5.0E-07 | 8.4E-07 | 3.7E-07 | 5.9 | 5.4 | >4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | 5.9 | 5.4 | |
| | B | 1.0E-07 | 1.4E-07 | 1.3E-07 | 6.2E-08 | 5.6E-07 | 9.3E-07 | 1.3E-06 | 5.9E-07 | 5.9 | 3.8 | >2 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | 5.9 | 3.8 | |

Note: DA represents depth-averaged, B represents bottom layer.
 DO depletion (mg/L) = Predicted SS release elevation (mg/L) x SOD value (taken as 760mg/kg) x Daily oxygen uptake factor (set at 1.0 for worst case estimate)
 DO level at sensitive receiver = Baseline DO level - DO depletion
 Values exceeding criteria limit are highlighted.