

Pit Specific Sediment Chemistry for CMP 1 in March 2014

| Working date: 14 March 2014 | | As | Cd | Cr | Cu | Pb | Hg | Ni | Ag | Zn | T-DDT | 4,4'-DDE | TOC | PCBs | TBT | LowMW PAHs | HighMW PAHs | TBT |
|--------------------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|------------|------------|-------------|-----------|
| Sampling Station | | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | ug/kg | ug/kg | mg/kg | ug/kg | µg TBT /kg | ug/kg | ug/kg | µg TBT /L |
| | Replicate | 0.5 | 0.02 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 5 | 0.1 | 0.1 | 100 | 2 | 5 | 60 | 100 | 0.015 |
| SB-NNAA (Near-Pit) | 1 | 13.1 | 0.12 | 53 | 33.5 | 44.3 | 0.08 | 30.5 | 0.37 | 125 | <0.1 | <0.1 | 9000 | <2 | <5.0 | <60 | <200 | <0.015 |
| | 2 | 15.2 | 0.12 | 47.9 | 39.4 | 46.7 | 0.13 | 30.3 | 0.4 | 127 | <0.1 | <0.1 | 9000 | <2 | 6.6 | <60 | <200 | <0.015 |
| | 3 | 15.9 | 0.11 | 51.6 | 39.9 | 46.1 | 0.16 | 31 | 0.44 | 131 | <0.1 | <0.1 | 8900 | <2 | <5.0 | <60 | <200 | <0.015 |
| | 4 | 16.9 | 0.14 | 51.9 | 41.9 | 46.3 | 0.14 | 30 | 0.44 | 128 | <0.1 | <0.1 | 8900 | <2 | 5.2 | <60 | <200 | <0.015 |
| | 5 | 12.8 | 0.13 | 48.7 | 33.1 | 42.7 | 0.12 | 28.8 | 0.36 | 120 | <0.1 | <0.1 | 9000 | <2 | 8.2 | <60 | <200 | <0.015 |
| | 6 | 17 | 0.14 | 55.8 | 42.4 | 48.8 | 0.13 | 32.3 | 0.44 | 136 | <0.1 | <0.1 | 9300 | <2 | <5.0 | <60 | <200 | <0.015 |
| | 7 | 15.9 | 0.12 | 52.5 | 42.2 | 48 | 0.12 | 32.6 | 0.72 | 133 | <0.1 | <0.1 | 9000 | <2 | 7 | <60 | <200 | <0.015 |
| | 8 | 14.7 | 0.13 | 49.9 | 34.3 | 44.2 | 0.14 | 29.7 | 0.33 | 120 | <0.1 | <0.1 | 9000 | <2 | <5.0 | <60 | <200 | <0.015 |
| | 9 | 13.1 | 0.12 | 46.2 | 35.3 | 42.6 | 0.11 | 26.8 | 0.36 | 113 | <0.1 | <0.1 | 8600 | <2 | <5.0 | <60 | <200 | <0.015 |
| | 10 | 15.6 | 0.14 | 50.4 | 38.3 | 45.6 | 0.16 | 29.7 | 0.38 | 124 | <0.1 | <0.1 | 8900 | <2 | <5.0 | <60 | <200 | <0.015 |
| | 11 | 16.4 | 0.17 | 57.2 | 45.3 | 49.4 | 0.1 | 33.6 | 0.49 | 141 | <0.1 | <0.1 | 8800 | <2 | 5.1 | <60 | <200 | <0.015 |
| | 12 | 16.4 | 0.1 | 54.6 | 42 | 48 | 0.15 | 32 | 0.44 | 132 | <0.1 | <0.1 | 9000 | <2 | <5.0 | <60 | <200 | <0.015 |
| SB-NNAB (Near-Pit) | 1 | 11.7 | 0.07 | 49.6 | 37.8 | 46.2 | 0.12 | 29.1 | 0.36 | 126 | <0.1 | <0.1 | 9400 | <2 | 13.4 | <60 | <200 | <0.015 |
| | 2 | 11.3 | 0.11 | 49.4 | 37.7 | 43.6 | 0.13 | 28.7 | 0.37 | 125 | <0.1 | <0.1 | 9400 | <2 | 11.4 | <60 | <200 | <0.015 |
| | 3 | 12.2 | 0.09 | 49 | 38.4 | 45.8 | 0.12 | 28.5 | 0.38 | 125 | <0.1 | <0.1 | 9800 | <2 | 13.3 | <60 | <200 | <0.015 |
| | 4 | 11.4 | 0.1 | 46.3 | 35.7 | 43.3 | 0.14 | 27.5 | 0.37 | 119 | <0.1 | <0.1 | 9500 | <2 | 11.7 | <60 | <200 | <0.015 |
| | 5 | 11.4 | 0.1 | 48.2 | 36.7 | 43.9 | 0.17 | 28.1 | 0.38 | 123 | <0.1 | <0.1 | 8600 | <2 | 10.3 | <60 | <200 | <0.015 |
| | 6 | 12.4 | 0.07 | 49.1 | 36.9 | 44.3 | 0.19 | 29.4 | 0.38 | 125 | <0.1 | <0.1 | 9700 | <2 | 11.7 | <60 | <200 | <0.015 |
| | 7 | 11 | 0.08 | 50.3 | 37.9 | 43.6 | 0.15 | 29.3 | 0.4 | 126 | <0.1 | <0.1 | 9400 | <2 | 10.7 | <60 | <200 | <0.015 |
| | 8 | 10 | 0.1 | 48 | 37.2 | 44.6 | 0.1 | 28.3 | 0.41 | 123 | <0.1 | <0.1 | 9400 | <2 | 11.6 | <60 | <200 | <0.015 |
| | 9 | 12 | 0.06 | 50.5 | 41.2 | 46.4 | 0.12 | 30.3 | 0.39 | 131 | <0.1 | <0.1 | 9700 | <2 | 14 | <60 | <200 | <0.015 |
| | 10 | 12.1 | 0.1 | 54.2 | 39.8 | 46.4 | 0.13 | 31.4 | 0.46 | 135 | <0.1 | <0.1 | 9700 | <2 | 11.3 | <60 | <200 | <0.015 |
| | 11 | 12 | 0.05 | 49 | 39 | 42.8 | 0.13 | 29.3 | 0.39 | 124 | <0.1 | <0.1 | 9200 | <2 | 11.9 | <60 | <200 | <0.015 |
| | 12 | 10.5 | 0.09 | 51.5 | 38.7 | 43.9 | 0.14 | 30.1 | 0.42 | 130 | <0.1 | <0.1 | 9300 | <2 | 12.2 | <60 | <200 | <0.015 |
| SB-NEAA (Pit-Edge) | 1 | 12.6 | 0.07 | 45.2 | 31 | 40.7 | 0.09 | 26.8 | 0.31 | 114 | <0.1 | <0.1 | 8600 | <2 | 7.8 | <60 | <200 | <0.015 |
| | 2 | 12.8 | 0.1 | 44.1 | 30.5 | 40.9 | 0.11 | 26.1 | 0.28 | 113 | <0.1 | <0.1 | 8600 | <2 | 8.8 | <60 | <200 | <0.015 |
| | 3 | 13.9 | 0.12 | 45.9 | 31.1 | 42.5 | 0.12 | 27.3 | 0.32 | 115 | <0.1 | <0.1 | 8600 | <2 | 8.9 | <60 | <200 | <0.015 |
| | 4 | 12.4 | 0.12 | 44 | 29.5 | 41.6 | 0.08 | 26.3 | 0.3 | 109 | <0.1 | <0.1 | 8300 | <2 | 8.6 | <60 | <200 | <0.015 |
| | 5 | 12.9 | 0.15 | 45.2 | 31.5 | 45.1 | 0.1 | 26.5 | 0.32 | 115 | <0.1 | <0.1 | 8800 | <2 | 8.4 | <60 | <200 | <0.015 |
| | 6 | 13.3 | 0.13 | 43.5 | 29.3 | 41.1 | 0.1 | 25.9 | 0.29 | 109 | <0.1 | <0.1 | 8500 | <2 | 8.2 | <60 | <200 | <0.015 |
| | 7 | 13.7 | 0.15 | 45.1 | 31.6 | 46.1 | 0.14 | 27 | 0.33 | 116 | <0.1 | <0.1 | 8600 | <2 | 9.3 | <60 | <200 | <0.015 |
| | 8 | 13.5 | 0.13 | 47 | 31.6 | 43.4 | 0.11 | 27.9 | 0.29 | 115 | <0.1 | <0.1 | 8500 | <2 | 7.5 | <60 | <200 | <0.015 |
| | 9 | 13.4 | 0.16 | 45.1 | 31.5 | 42.8 | 0.09 | 27.4 | 0.31 | 115 | <0.1 | <0.1 | 8400 | <2 | 7 | <60 | <200 | <0.015 |
| | 10 | 12.7 | 0.14 | 43.3 | 31.2 | 43.9 | 0.1 | 25.9 | 0.29 | 112 | <0.1 | <0.1 | 8700 | <2 | 11.9 | <60 | <200 | <0.015 |
| | 11 | 13.4 | 0.14 | 43.4 | 30 | 42.8 | 0.08 | 25.9 | 0.25 | 110 | <0.1 | <0.1 | 8400 | <2 | 12 | <60 | <200 | <0.015 |
| | 12 | 13 | 0.12 | 43 | 31.2 | 42.2 | 0.13 | 26.1 | 0.29 | 113 | <0.1 | <0.1 | 8700 | <2 | 7.1 | <60 | <200 | <0.015 |
| SB-NEAB (Pit-Edge) | 1 | 12 | 0.1 | 43.8 | 33.8 | 43.3 | 0.13 | 25.9 | 0.34 | 114 | <0.1 | <0.1 | 9000 | <2 | 11.1 | <60 | <200 | <0.015 |
| | 2 | 12.8 | 0.1 | 45.6 | 35.5 | 43.2 | 0.13 | 26.6 | 0.36 | 117 | <0.1 | <0.1 | 8600 | <2 | 13 | <60 | <200 | <0.015 |
| | 3 | 12.3 | 0.1 | 47.1 | 34.9 | 42.9 | 0.13 | 27 | 0.36 | 122 | <0.1 | <0.1 | 9100 | <2 | 10.6 | <60 | <200 | <0.015 |
| | 4 | 12.1 | 0.08 | 49 | 36.8 | 44.2 | 0.11 | 28.1 | 0.38 | 122 | <0.1 | <0.1 | 9000 | <2 | 11.2 | <60 | <200 | <0.015 |
| | 5 | 12.9 | 0.02 | 48.9 | 40.6 | 44.6 | 0.11 | 31.9 | 0.4 | 136 | <0.1 | <0.1 | 9300 | <2 | 11.1 | <60 | <200 | <0.015 |
| | 6 | 12.5 | <0.02 | 46.2 | 37.6 | 41.5 | 0.1 | 30.2 | 0.37 | 129 | <0.1 | <0.1 | 9100 | <2 | 14.6 | <60 | <200 | <0.015 |
| | 7 | 11.4 | <0.02 | 44 | 37.8 | 40.3 | 0.1 | 29 | 0.4 | 126 | <0.1 | <0.1 | 8600 | <2 | 11.1 | <60 | <200 | <0.015 |
| | 8 | 11.5 | <0.02 | 43 | 36.5 | 38.9 | 0.1 | 27.7 | 0.39 | 120 | <0.1 | <0.1 | 8900 | <2 | 11.5 | <60 | <200 | <0.015 |
| | 9 | 11.8 | <0.02 | 44.7 | 38 | 41.6 | 0.09 | 29.2 | 0.4 | 126 | <0.1 | <0.1 | 9200 | <2 | 12.2 | <60 | <200 | <0.015 |
| | 10 | 12.2 | <0.02 | 44.8 | 37.5 | 41.2 | 0.1 | 29 | 0.36 | 125 | <0.1 | <0.1 | 8900 | <2 | 11 | <60 | <200 | <0.015 |
| | 11 | 11.9 | <0.02 | 46.2 | 38.5 | 41.5 | 0.11 | 29.7 | 0.41 | 127 | <0.1 | <0.1 | 9000 | <2 | 10.9 | <60 | <200 | <0.015 |
| | 12 | 12 | <0.02 | 42.6 | 36.5 | 39.2 | 0.08 | 28.3 | 0.35 | 120 | <0.1 | <0.1 | 9000 | <2 | 12.4 | <60 | <200 | <0.015 |
| SB-NPAA (Active-Pit) | 1 | 14.3 | 0.18 | 44.8 | 44.5 | 50.6 | 0.1 | 28 | 0.72 | 137 | <0.1 | <0.1 | 9600 | <2 | 37.6 | <60 | <200 | <0.015 |
| | 2 | 12.8 | 0.12 | 43.8 | 42.9 | 49.2 | 0.14 | 27.1 | 0.69 | 131 | <0.1 | <0.1 | 9800 | <2 | 43.1 | <60 | <200 | <0.015 |
| | 3 | 12 | 0.17 | 42.3 | 42.3 | 47.2 | 0.1 | 26.6 | 0.74 | 133 | <0.1 | <0.1 | 9000 | <2 | 37.3 | <60 | <200 | <0.015 |
| | 4 | 12.2 | 0.17 | 43.4 | 43.5 | 48.7 | 0.13 | 27.2 | 1.12 | 132 | <0.1 | <0.1 | 9500 | <2 | 40.8 | <60 | <200 | <0.015 |
| | 5 | 12.3 | 0.15 | 44.8 | 43.8 | 49.2 | 0.15 | 27.9 | 0.76 | 137 | <0.1 | <0.1 | 9500 | <2 | 36.7 | <60 | <200 | <0.015 |
| | 6 | 15 | 0.1 | 51 | 48.2 | 50.5 | 0.15 | 32.2 | 0.65 | 145 | <0.1 | <0.1 | 9200 | <2 | 39 | <60 | <200 | <0.015 |
| | 7 | 13.8 | 0.08 | 47.4 | 43.6 | 48.2 | 0.11 | 30.3 | 0.61 | 137 | <0.1 | <0.1 | 9800 | <2 | 38.7 | <60 | <200 | <0.015 |
| | 8 | 13.4 | 0.17 | 44 | 44 | 51.2 | 0.14 | 28.5 | 0.84 | 138 | <0.1 | <0.1 | 9700 | <2 | 36.8 | <60 | <200 | <0.015 |
| | 9 | 13.8 | 0.17 | 44.6 | 45.8 | 51.5 | 0.13 | 27.7 | 0.98 | 142 | <0.1 | <0.1 | 9700 | <2 | 35.3 | <60 | <200 | <0.015 |
| | 10 | 13.4 | 0.2 | 44.8 | 46.7 | 52.5 | 0.38 | 28.6 | 0.74 | 154 | <0.1 | <0.1 | 9400 | <2 | 36 | <60 | <200 | <0.015 |
| | 11 | 12.2 | 0.16 | 45.9 | 46.1 | 50.8 | 0.12 | 28.7 | 0.9 | 140 | <0.1 | <0.1 | 9800 | <2 | 35 | <60 | <200 | <0.015 |
| | 12 | 15.6 | 0.14 | 45.8 | 43 | 54.3 | 0.16 | 28.6 | 0.63 | 137 | <0.1 | <0.1 | 8900 | <2 | 35.6 | <60 | <200 | <0.015 |
| SB-NPAB (Active-Pit) | 1 | 9.1 | 0.09 | 33.9 | 34 | 45 | 0.12 | 19.6 | 0.57 | 139 | <0.1 | <0.1 | 7000 | <2 | 23.1 | <60 | <200 | <0.015 |
| | 2 | 9.8 | 0.22 | 35.3 | 34.6 | 44 | 0.1 | 20.8 | 0.78 | 143 | <0.1 | <0.1 | 7900 | <2 | 22 | <60 | <200 | <0.015 |
| | 3 | 11 | 0.14 | 38.4 | 34.2 | 49.3 | 0.1 | 20.9 | 0.66 | 115 | <0.1 | <0.1 | | | | | | |