

Cumulative Impact Sediment Chemistry at CMPs in Jun 2024

| Working date:<br>12 Jun 2024 |           | As    | Cd    | Cr    | Cu    | Pb    | Hg    | Ni    | Ag    | Zn    | T-DDT | 4,4'-DDE | TOC   | PCBs  | TBT   | LowMW PAHs | HighMW PAHs |
|------------------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|------------|-------------|
| Reporting Limit              | Replicate | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | µg/kg | µg/kg    | mg/kg | µg/kg | µg/kg | µg/kg      | µg/kg       |
| ESC-RNA                      | 1         | 9.8   | 0.06  | 29.00 | 18.00 | 43.30 | 0.07  | 13.30 | 0.11  | 74.9  | <2.0  | <2.0     | 4,700 | <3    | <5.0  | <50        | 300         |
|                              | 2         | 10.0  | 0.08  | 23.80 | 20.40 | 32.20 | 0.07  | 14.30 | 0.13  | 76.0  | <2.0  | <2.0     | 4,900 | <3    | <5.0  | 73         | 450         |
| ESC-RNB1                     | 1         | 14.8  | 0.06  | 27.80 | 14.40 | 45.20 | 0.07  | 15.60 | 0.07  | 84.0  | <2.0  | <2.0     | 3,400 | <3    | <5.0  | <50        | 120         |
|                              | 2         | 14.5  | 0.07  | 27.50 | 14.40 | 37.60 | 0.07  | 15.70 | 0.07  | 72.4  | <2.0  | <2.0     | 4,200 | <3    | <5.0  | <50        | <100        |
| ESC-RMA                      | 1         | 14.0  | 0.11  | 28.80 | 30.80 | 37.30 | 0.10  | 18.10 | 0.20  | 85.0  | <2.0  | <2.0     | 6,800 | <3    | <5.0  | <50        | <100        |
|                              | 2         | 13.3  | 0.11  | 28.70 | 30.50 | 36.90 | 0.10  | 18.00 | 0.19  | 85.6  | <2.0  | <2.0     | 6,800 | <3    | <5.0  | <50        | <100        |
| ESC-RMB                      | 1         | 13.6  | 0.08  | 27.00 | 16.90 | 38.80 | 0.06  | 16.90 | <0.10 | 63.5  | <2.0  | <2.0     | 6,500 | <3    | <5.0  | <50        | <100        |
|                              | 2         | 11.1  | 0.08  | 26.40 | 17.20 | 36.50 | 0.06  | 16.30 | <0.10 | 63.3  | <2.0  | <2.0     | 6,000 | <3    | <5.0  | <50        | <100        |
| ESC-RCA1                     | 1         | 4.5   | <0.05 | 8.90  | 7.40  | 14.30 | <0.05 | 5.48  | <0.05 | 28.7  | <2.0  | <2.0     | 2,100 | <3    | 10    | <50        | <100        |
|                              | 2         | 4.6   | <0.05 | 8.40  | 8.28  | 13.50 | <0.05 | 4.73  | <0.05 | 27.3  | <2.0  | <2.0     | 1,700 | <3    | 9     | <50        | <100        |
| ESC-RCB1                     | 1         | 7.6   | <0.05 | 14.50 | 13.30 | 22.40 | 0.05  | 10.60 | 0.10  | 45.5  | <2.0  | <2.0     | 4,100 | <3    | 12    | 87         | 490         |
|                              | 2         | 8.4   | <0.05 | 16.90 | 16.80 | 26.80 | 0.07  | 10.70 | 0.09  | 51.9  | <2.0  | <2.0     | 4,800 | <3    | 12    | 84         | 520         |
| ESC-RFA                      | 1         | 12.1  | 0.08  | 24.90 | 23.30 | 32.80 | 0.08  | 14.40 | 0.13  | 75.2  | <2.0  | <2.0     | 5,700 | <3    | <5.0  | <50        | 250         |
|                              | 2         | 12.8  | 0.08  | 27.10 | 25.90 | 35.10 | 0.09  | 16.20 | 0.13  | 80.9  | <2.0  | <2.0     | 6,300 | <3    | <5.0  | <50        | 180         |
| ESC-RFB                      | 1         | 14.2  | 0.09  | 33.90 | 27.00 | 42.30 | 0.11  | 21.70 | 0.13  | 88.7  | <2.0  | <2.0     | 8,800 | <3    | <5.0  | <50        | <100        |
|                              | 2         | 15.6  | 0.08  | 39.00 | 29.50 | 46.50 | 0.10  | 25.40 | 0.12  | 101.0 | <2.0  | <2.0     | 9,600 | <3    | <5.0  | <50        | <100        |
| MW                           | 1         | 11.7  | 0.12  | 36.50 | 38.50 | 44.00 | 0.10  | 21.80 | 0.50  | 104.0 | <2.0  | <2.0     | 8,400 | <3    | 40    | <50        | <100        |
|                              | 2         | 11.6  | 0.10  | 36.50 | 47.40 | 43.80 | 0.13  | 22.10 | 0.45  | 109.0 | <2.0  | <2.0     | 9,300 | <3    | 44    | <50        | <100        |

Note: Near-field stations (ESC-RNA, ESC-RNB1); Mid-field stations (ESC-RMA, ESC-RMB); Far-field stations (ESC-RFA, ESC-RFB); Capped Pit stations (ESC-RCA1, ESC-RCB1); Ma Wan station (MW).