

**Cumulative Impact Sediment Chemistry at CMP Va during February 2013**

07/02/2013

| Station | Replicate | As    | Cd    | Cr    | Cu    | Pb    | Hg    | Ni    | Ag    | Zn    | TOC   | TBT   | T-DDT | 4,4'-DDE | Clay | Silt | Sand | Gravel | PCBs | Low M.W. PAHs | High M.W. PAHs |       |      |       |       |       |       |       |       |       |       |
|---------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|------|------|--------|------|---------------|----------------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |           | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | ug/kg | ug/kg    |      |      |      |        |      |               |                | ug/kg | %    | %     | %     | %     | ug/kg | ug/kg |       |       |       |
| RNA     | 1         | 13.8  | 0.14  | 35.3  | 31.5  | 36.2  | 0.08  | 22.9  | 0.27  | 110   | 7100  | 5     | <0.1  | <0.1     |      |      |      |        |      | <-2           | <-60           | <-200 |      |       |       |       |       |       |       |       |       |
|         | RNB       | 1     | 11.4  | 0.09  | 32.6  | 22    | 32.8  | 0.08  | 19.8  | 0.18  | 87    | 7900  | <5.0  | <0.1     | <0.1 |      |      |        |      |               |                | <-2   | <-60 | <-200 |       |       |       |       |       |       |       |
|         |           | RMA   | 1     | 16.9  | 0.18  | 51.4  | 45    | 43.7  | 0.11  | 29.2  | 0.37  | 133   | 7000  | 6.8      | <0.1 | <0.1 |      |        |      |               |                |       | <-2  | <-60  | <-200 |       |       |       |       |       |       |
|         |           |       | RMB   | 1     | 15.4  | 0.15  | 46.2  | 41.7  | 40.7  | 0.1   | 28.6  | 0.44  | 135   | 6900     | 5.8  | <0.1 | <0.1 |        |      |               |                |       |      | <-2   | <-60  | <-200 |       |       |       |       |       |
|         |           |       |       | RCA   | 1     | 16.6  | 0.1   | 48.9  | 39.6  | 39.7  | 0.09  | 30.2  | 0.3   | 129      | 7800 | 6.1  | <0.1 | <0.1   |      |               |                |       |      |       | <-2   | <-60  | <-200 |       |       |       |       |
|         |           |       |       |       | RCB   | 1     | 15.2  | 0.12  | 46.5  | 37.8  | 38.1  | 0.09  | 28.1  | 0.3      | 122  | 7700 | <5.0 | <0.1   | <0.1 |               |                |       |      |       |       | <-2   | <-60  | <-200 |       |       |       |
|         |           |       |       |       |       | RFA   | 1     | 15.8  | 0.14  | 48.9  | 41.1  | 41    | 0.1   | 30.8     | 0.3  | 132  | 7900 | 5.0    | <0.1 | <0.1          |                |       |      |       |       |       | <-2   | <-60  | <-200 |       |       |
|         |           |       |       |       |       |       | RFB   | 1     | 18.1  | 0.12  | 51.7  | 35.8  | 42.1  | 0.11     | 33.2 | 0.24 | 132  | 5400   | <5.0 | <0.1          | <0.1           |       |      |       |       |       |       | <-2   | <-60  | <-200 |       |
|         |           |       |       |       |       |       |       | MW    | 1     | 12.1  | 0.1   | 49.9  | 56.6  | 43       | 0.11 | 32.5 | 0.71 | 153    | 8300 | 19.8          | <0.1           | <0.1  |      |       |       |       |       |       | <-2   | <-60  | <-200 |

Note: Near-field stations (RNA, RNB); Mid-field stations (RMA, RMB); Far-field stations (RFA, RFB); Capped Pit stations (RCA, RCB); Ma Wan stations (MW).