Deterministic Methodology for Determining the Optimal Sampling Frequency of Water Quality Monitoring Systems

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Supplementary Materials

Distribution patterns of turbidity, pH, DO, BOD, Ca^{2+}, Mg^{2+}, Na^{+}, SO_4^{2-}, PO_4^{3-}, NO^3, Cd, Cr and Pb for the cases 1, 15 and 30, respectively.

Figure S1. Distribution patterns of Turbidity; (a) Case 1, (b) Case 15, (C) Case 30.

Figure S2. Distribution patterns of pH; (a) Case 1, (b) Case 15, (C) Case 30.

Figure S3. Distribution patterns of TH; (a) Case 1, (b) Case 15, (C) Case 30.

Figure S4. Distribution patterns of DO; (a) Case 1, (b) Case 15, (C) Case 30.

Figure S5. Distribution patterns of BOD; (a) Case 1, (b) Case 15, (C) Case 30.

Figure S6. Distribution patterns of Ca^{2+}; (a) Case 1, (b) Case 15, (C) Case 30.

Figure S7. Distribution patterns of Mg^{2+}; (a) Case 1, (b) Case 15, (C) Case 30.

Figure S8. Distribution patterns of Na^{+}; (a) Case 1, (b) Case 15, (C) Case 30.

Figure S9. Distribution patterns of $NO3^{-}$; (a) Case 1, (b) Case 15, (C) Case 30.

Figure S10. Distribution patterns of $PO4^{3-}$; (a) Case 1, (b) Case 15, (C) Case 30.

Figure S11. Distribution patterns of $SO4^{2-}$; (a) Case 1, (b) Case 15, (C) Case 30.

Figure S12. Distribution patterns of Cd; (a) Case 1, (b) Case 15, (C) Case 30.

Figure S13. Distribution patterns of Cr; (a) Case 1, (b) Case 15, (C) Case 30.

Figure S14. Distribution patterns of Pb; (a) Case 1, (b) Case 15, (C) Case 30.