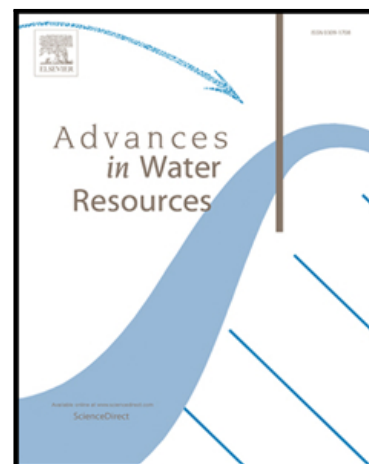


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Contaminant dilution measure for the solute transport in an estuary

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Highlights

- We present the application of spatially integrated statistics of conservative contaminant concentration for river generated plume in an estuary
- An analysis of physical mechanisms affecting the spatially integrated statistics is conducted
- The new potential proxy measurements is used for verifying probabilistic model
- A new dilution measure for contaminant plume in an estuary is presented

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