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Probability Distribution of Concentrations Measured in the Wake of a Continuous Point Source in Coastal Currents

A. El-Shaarawi and C.R. Murthy

Applied Research Division, Canada Centre for Inland Waters, Burlington, Ontario, Canada L7R 4A6

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ABSTRACT

A generalized statistical model is proposed to determine the probability density function of the concentration history measured at a fixed point in the wake of a continuous point source in coastal currents. An application of the model using the experimental data indicates that the log-normal distribution is adequate for many practical problems. Some general statistical characteristics of the concentration field are computed from the model.

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Headquarters: 45 Beacon Street Boston, MA 02108-3693

DC Office: 1120 G Street, NW, Suite 800 Washington DC, 20005-3826

amsinfo@ametsoc.org Phone: 617-227-2425 Fax: 617-742-8718

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