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Remote, Real-time Water Quality Monitoring on the Bow River, Alberta, Canada

By Jerry Vandenberg

VDM Verlag Jun 2008, 2008. Taschenbuch. Book Condition: Neu. 220x150x5 mm. Neuware - The Bow River flows from the Rocky Mountains to the confluence with the Oldman River to form the South Saskatchewan River in southern Alberta. The major point source inputs to the Bow River are Calgary's wastewater treatment plants; the major non-point source inputs are storm sewers. A real-time monitoring station was developed on the Bow River downstream of Calgary to evaluate the potential for continuous monitoring with event-initiated sampling for laboratory analyses. The station was effective for discerning short-term trends, estimating mass loads, assessing environmental impacts, and optimizing laboratory resources. Event sampling indicated that BOD, TSS, nitrate, and chloride concentrations rose significantly after storms. Concentrations were combined with discharge to estimate total daily loads during run off events. Chloride was used as a conservative tracer to map a wastewater effluent plume and compare relative attenuation of nutrients. 80 pp. Englisch.



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Reviews

Extensive information for book fans. It is written in basic words and never hard to understand. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- **Otis Wisoky**

This publication is great. It is full of wisdom and knowledge. You will not really feel monotony at any time of the time (that's what catalogs are for relating to when you ask me).

-- **Dr. Everett Dicki DDS**