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Channel form and process: A modeling approach

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This book presents a new, dynamic model of channel form and process. It is based on a synthesis of the results of field studies of the processes of channel formation and modification, and on a detailed analysis of the spatial and temporal characteristics of channel form. The model is based on the assumption that channel morphology is the result of the interaction of two main processes: the physical processes of flow and sediment transport, and the biological processes of plant growth and change.

"Wetland" hydrology is the primary focus of the book. It has been reproduced from a paper published in the journal "Wetlands" by Joan Florsheim and Michael J. O'Connell. The book also includes a chapter on the development of a new model of channel form and process for arid and semiarid areas. It is intended for use in university courses.

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