



## Wetland and Water Resource Modeling and Assessment: A Watershed Perspective (Integrative Studies in Water Management & Land Deve)

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**Wetland and Water Resource Modeling and Assessment: A Watershed Perspective (Integrative Studies in Water Management & Land Deve)** From CRC Press

As a wetland of international importance located in China, the Poyang Lake Basin's incredible topographical and biological diversity has provided a congregating point for scientists from around the world to engage in cross-disciplinary research. In particular, the International Conference on Poyang Lake Complex Environment System was instrumental in bringing together scholars from China, North America, and Europe to explore the latest innovations in water resource science and watershed management.

Featuring cutting-edge research in watershed management presented at this landmark event, Wetland and Water Resource Modeling Assessment pairs the accounts of Poyang Lake with additional information on the important watersheds of North America and Asia to help facilitate the development of decision support tools.

The book explains that successful ecosystem assessment and modeling requires three key criteria:

1. Large spatial scales in data collection and analysis must be used to encompass major watershed features
2. Landscape features are needed to appropriately characterize hydrological processes and ecosystem components
3. Management decisions must be linked to results to facilitate ecosystem assessment

Through the study of the diverse watersheds featured in Wetland and Water Resource Modeling Assessment, such as Poyang Lake, government, academia, and Industry can obtain the innovative technical tools needed to stay on top of this active field.

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## Wetland and Water Resource Modeling and Assessment: A Watershed Perspective (Integrative Studies in Water Management & Land Deve) From CRC Press Bibliography

- Sales Rank: #5731064 in Books
- Published on: 2007-12-13
- Original language: English
- Number of items: 1
- Dimensions: 9.20" h x .75" w x 6.61" l, 1.33 pounds
- Binding: Hardcover
- 312 pages

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