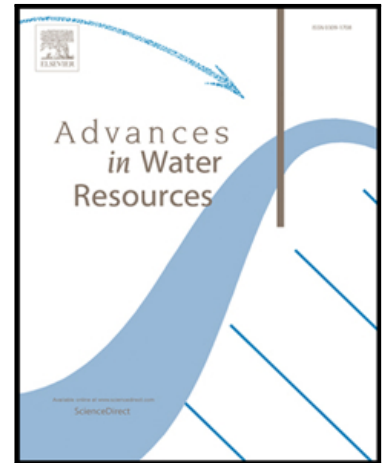


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A Numerical Study of the Complex Flow Structure in a Compound Meandering Channel

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HIGHLIGHTS:

- Large Eddy Simulations were used to study complex flow structure
- Three water depth conditions were simulated
- A high degree of correlation with experiments was achieved
- Further insight into the interaction between flood plain flow and main channel flow
- Bed shear stress were estimated from the computational data

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