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Evaluation of a numerical model's ability to predict bed load transport observed in braided river experiments

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Highlights

- New opportunities to calibrate, verify, and fuel numerical model development
- Low-cost, high spatial and temporal resolution datasets used for model calibration
- Observed vs. 2D model predicted bed load occurrence and location
- Short duration bed updating may offer limited improvements to model accuracy
- Eddy viscosity values impact shear prediction agreement up to 7%.

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