

Water level forecasting and flood warning

Update on project 2-4 orientation

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Project 2-4

- Objective
 - Explore flood warning based on a hydraulic model with assimilation and hydrological ensemble forecasts, extending the hydrological ensemble prediction system tested in Project 2-2, with an additional vertical component







Hourly time-step



WL-EPS





Chaudière River

Riviere-Edm undston Quebec Trois-Riviere New Brunswick Frederict Ottawa Montreal Maine Brockville Montpelier Augusta Vermont Rochester Concord New York New Albany Hampshire Massachusetts Hartford Providence Connecticut



Area: 5822 km² Qmean: 115 m³s⁻¹ Qmax > 2000 m³s⁻¹ Snow: 300 mm y⁻¹ P: 1100 mm





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