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#### Research papers

Impacts of predicted climate change on groundwater flow systems: Can wetlands disappear due to recharge reduction?

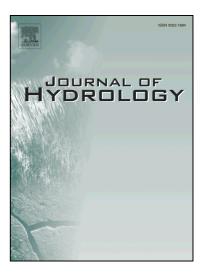
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## ACCEPTED MANUSCRIPT

Impacts of predicted climate change on groundwater flow systems: Can wetlands disappear due to recharge reduction?

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#### **Highlights**

groundwater flow system hierarchy is significantly affected by decreasing

recharge

climate change can strongly affect local ecologically-significant flow regimes

future conditions of wetlands strongly depend on their hydraulic position

changing penetration depths of flow systems are shown by 2D transient

simulations

**Abstract** 

Climate change can directly influence groundwater systems through modification of

recharge. Affecting not only groundwater levels and flow dynamics, climate change

can also modify the fragmentation and hierarchy of groundwater flow systems. In this

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