

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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