

SHALLOW OR DEEP?

Different groundwater resources need different management strategies

Surface depressions recharge shallow groundwater

Some depressions are replenished by shallow groundwater

0 m | Surface Water

Shallow weathered layer with high hydraulic conductivity

Depressional recharge is key renewal source

Likely to be affected by climate change

Shallow Groundwater

Deep Groundwater

Sustainable water withdrawal rate is unknown until we start to use it

Not likely affected by climate change in near future

Water age: 10–100 Years Old

approximately 50 m

Water age: 100–50,000+ Years Old

> 600 m | Saline

Read more!

Shallow groundwater recharge: [Manitoba Cooperator 2021](#), [Hayashi et al. 2016](#), [Negm et al. 2021](#)

Deep groundwater: [Ferris et al. 2020](#), [Noyes et al. In Review](#), [Cuthbert et al. 2023](#)



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