

Table 1. Key findings in the occurrence of groundwater and GDEs presence

References	Finding	Variable
Lv et al., 2013 Eamus et al., 2016	Greenness persistence across seasons due to groundwater access	NDVI
Anyah et al. (2008) Maxwell & Condon (2016)	Groundwater contributes to soil moisture and evapotranspiration	NDMI
T. De Vargas et al., 2022 Kresic (2010)	Faults may act as conduits for groundwater flow. Higher density of faults can improve groundwater discharge.	Fault density Fault distance
<u>Luijendijk (2022)</u> Farvolden (1963) Price (2011)	Higher drainage density may facilitate the removal of water and reduce baseflows during drier times of year.	Drainage density Drainage distance
Tóth (1971) Salama et al. (1994) Muñoz-villers et al. 2016	Hydraulic gradients of groundwater may be derived predominantly from elevation head differences. Groundwater often occurs near breaks in the topography and depressions.	Slope Landforms
Zimmer et al., 2018 Muñoz-Villers et al., 2016 Price (2011) Wirth et al., 2020 Sarah et al., 2024. Ozdemir (2011)	Permeable, soluble, or highly fractured bedrock can improve connectivity with the surface.	Lithology
Collins & Bras (2007) Laio et al., 2006 Naumburg et al., 2005	Depletion of water tables in urban areas. Soils with coarse textures improve groundwater transmissivity.	Land use Soil type