Estimated Average 2020-2022 Saturated Thickness of the High Plains Aquifer in Western Kansas GMD No. 1

(KGS Open-File Report 2022-8)

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The map saturated thickness within each sector was calculated as follows:

1) Winter water level measurements taken between 2020 and 2022 were averaged at each well location.
2) A interpolated surface of the average 2020-2022 winter water levels was created for each well location using IDW. Three tools and a grid were used to create the interpolated surface.
3) A interpolated surface of the average 2020-2022 winter water levels was created for each well location using Inverse Distance Weighted. Three tools and a grid were used to create the interpolated surface.
4) The final calculation was validated using the average 2020-2022 winter water levels to ensure the interpolated surface was accurate.
5) The thickness includes a numeric value from 0 to 100 feet saturated thickness.

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