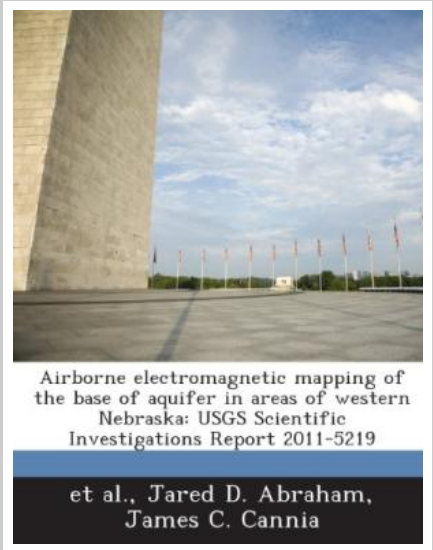


DOWNLOAD PDF

Airborne Electromagnetic Mapping of the Base of Aquifer in Areas of Western Nebraska: Usgs Scientific Investigations Report 2011-5219 (Paperback)

By Jared D Abraham, James C Cannia

Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.Airborne geophysical surveys of selected areas of the North and South Platte River valleys of Nebraska, including Lodgepole Creek valley, collected data to map aquifers and bedrock topography and thus improve the understanding of groundwater - surface-water relationships to be used in water-management decisions. Frequency-domain helicopter electromagnetic surveys, using a unique survey flight-line design, collected resistivity data that can be related to lithologic information for refinement of groundwater model inputs. To make the geophysical data useful to multidimensional groundwater models, numerical inversion converted measured data into a depth-dependent subsurface resistivity model. The inverted resistivity model, along with sensitivity analyses and test-hole information, is used to identify hydrogeologic features such as bedrock highs and paleochannels, to improve estimates of groundwater storage. The two- and three-dimensional interpretations provide the groundwater modeler with a high-resolution hydrogeologic framework and a quantitative estimate of framework uncertainty. The new hydrogeologic frameworks improve understanding of the flow-path orientation by refining the location of paleochannels and associated base of aquifer highs. These interpretations provide resource managers high-resolution hydrogeologic frameworks and quantitative

Reviews

A high quality book as well as the font applied was fascinating to see. It generally fails to charge excessive. I am just effortlessly could possibly get a enjoyment of studying a composed book.

-- ***Brant Dach***

This publication is definitely worth purchasing. Yes, it is actually engage in, nevertheless an amazing and interesting literature. You can expect to like just how the author write this publication.

-- ***Odie Dicki***