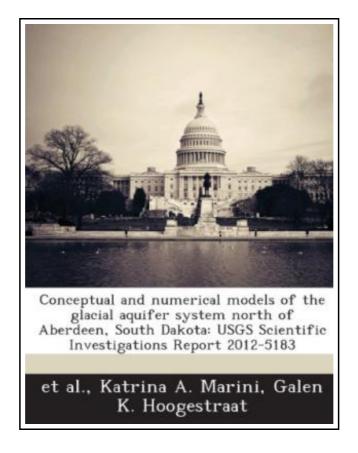
Conceptual and Numerical Models of the Glacial Aquifer System North of Aberdeen, South Dakota: Usgs Scientific Investigations Report 2012-5183



Filesize: 9.16 MB

Reviews

A must buy book if you need to adding benefit. Indeed, it can be engage in, continue to an amazing and interesting literature. I am effortlessly can get a delight of reading a published pdf. (Elliott Wuckert)

CONCEPTUAL AND NUMERICAL MODELS OF THE GLACIAL AQUIFER SYSTEM NORTH OF ABERDEEN, SOUTH DAKOTA: USGS SCIENTIFIC INVESTIGATIONS REPORT 2012-5183



BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 116 pages. Dimensions: 9.7in. x 7.4in. x 0.2in.This U. S. Geological Survey report documents a conceptual and numerical model of the glacial aquifer system north of Aberdeen, South Dakota, that can be used to evaluate and manage the city of Aberdeens water resources. The glacial aquifer system in the model area includes the Elm, Middle James, and Deep James aquifers, with intervening confining units composed of glacial till. The Elm aquifer ranged in thickness from less than 1 to about 95 feet (ft), with an average thickness of about 24 ft; the Middle James aguifer ranged in thickness from less than 1 to 91 ft, with an average thickness of 13 ft; and the Deep James aguifer ranged in thickness from less than 1 to 165 ft, with an average thickness of 23 ft. The confining units between the aquifers consisted of glacial till and ranged in thickness from 0 to 280 ft. The general direction of groundwater flow in the Elm aquifer in the model area was from northwest to southeast following the topography. Groundwater flow in the Middle James aquifer was to the southeast. Sparse data indicated a fairly flat potentiometric surface for the Deep James aquifer. Horizontal hydraulic conductivity for the Elm aquifer determined from aquifer tests ranged from 97 to 418 feet per day (ftd), and a confined storage coefficient was determined to be 2. 4x10-5. Estimates of the vertical hydraulic conductivity of the sediments separating the Elm River from the Elm aquifer, determined from the analysis of temperature gradients, ranged from 0. 14 to 2. 48 ftd. Average annual precipitation in the model area was 19. 6 inches per year (inyr), and agriculture was the primary land use. Recharge to the Elm aquifer...

Read Conceptual and Numerical Models of the Glacial Aquifer System North of Aberdeen, South Dakota: Usgs Scientific Investigations Report 2012-5183 Online

Download PDF Conceptual and Numerical Models of the Glacial Aquifer System North of Aberdeen, South Dakota: Usgs Scientific Investigations Report 2012-5183

Other PDFs



The Whale Tells His Side of the Story Hey God, Ive Got Some Guy Named Jonah in My Stomach and I Think Im Gonna Throw Up

B&H Kids. Hardcover. Book Condition: New. Cory Jones (illustrator). Hardcover. 32 pages. Dimensions: 9.1in. x 7.2in. x 0.3in.Oh sure, well all heard the story of Jonah and the Whale a hundred times. But have we...

Read Book »



Animalogy: Animal Analogies

Sylvan Dell Publishing. Paperback. Book Condition: New. Cathy Morrison (illustrator). Paperback. 32 pages. Dimensions: 9.8in. x 8.4in. x 0.4in.Compare and contrast different animals through predictable, rhyming analogies. Find the similarities between even the most incompatible...

Read Book »



Absolutely Lucy #4 Lucy on the Ball A Stepping Stone BookTM

Random House Books for Young Readers. Paperback. Book Condition: New. David Merrell (illustrator). Paperback. 112 pages. Dimensions: 7.4in. x 5.1in. x 0.4in.llene Coopers fourth story of a boy and his beagle takes Bobby and Lucy...

Read Book »



The Mystery at Motown Carole Marsh Mysteries

Carole Marsh Mysteries. Paperback. Book Condition: New. Randolyn Friedlander (illustrator). Paperback. 32 pages. Dimensions: 11.1in. x 8.7in. x 0.0in.When you purchase the Library Bound mystery you will receive FREE online eBook access! Carole Marsh Mystery...

Read Book »



God Loves You. Chester Blue

Henry and George Press. Paperback. Book Condition: New. Ursula Andrejczuk (illustrator). Paperback. 140 pages. Dimensions: 8.0in. x 5.2in. x 0.3in.BEAUTIFUL NEW ILLUSTRATIONS BRING THE STORY TO LIFE!A charming book about a mysterious bear that shows...

Read Book »