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| Name | Analytical Modeling of Saltwater Intrusion: Tests from NS and the Eastern US |
| Description | Abstract: Need has arisen to develop a simple method to assess the risk of seawater intrusion (SWI) for the purpose of managing fresh groundwater resources in coastal areas. An investigation was completed to assess the ability of the two-dimensional analytical solution from Strack (1976) to evaluate the risk of saltwater intrusion to a pumping well under a variety of aquifer conditions in Nova Scotia and the eastern United States. Strack's solution provides a simple, physically based method of comparing the relative risk of SWI based on the relationship between aquifer properties, but is not reliable for predicting saltwater intrusion in pumping wells |
| Type | |
| Sector | - Infrastructure |
| Focus Area | - Climate Impacts on Water Resources |
| Region | |
| Lead Agencies | Nova Scotia Department of Natural Resources Francis St. Xavier University |