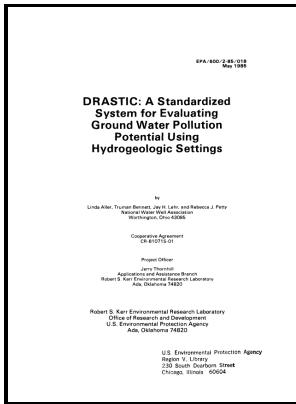


# DRASTIC - a standardized system for evaluating ground water pollution potential using hydrogeologic settings

National Water Well Association - DRASTIC : a standardized system for evaluating ground water pollution potential using hydrogeologic settings



Description: -

-DRASTIC - a standardized system for evaluating ground water pollution potential using hydrogeologic settings

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NWWA/EPA series DRASTIC - a standardized system for evaluating ground water pollution potential using hydrogeologic settings

Notes: Issued with 11 demonstration county DRASTIC Maps.  
This edition was published in 1987



Filesize: 47.42 MB

Tags: #Aller, #L., #Bennett, #T., #Lehr, #J.H., #Petty, #R.J. #and #Hackett, #G. #(1987) #Drastic #A #Standardized #System #for #Evaluating #Groundwater #Pollution #Potential #Using #Hydrogeologic #Settings. #US

**Aller, L., Lehr, J.H. and Petty, R. (1987) Drastic A Standardized System to Evaluate Ground Water Pollution Potential Using Hydrogeologic Settings. National Water Well Association Worthington.**

Kerr Environmental Research Laboratory, Office of Research and Development, U.

**DRASTIC: A Standardized System for Evaluating Ground Water Pollution ...**

It is this latter water table, generally captured by human-powered pumps, that is the subject of this study. Description: A methodology is described that will allow the pollution potential of any hydrogeologic setting to be systematically evaluated anywhere in the United States. Areas with high vulnerability to pollution are largely located in the center of Amman old city.

**Aller, L., Lehr, J.H., Petty, R. and Truman, B. (1987) Drastic A Standardized System to Evaluate Groundwater Pollution Potential Using Hydrogeologic Settings. National Water Well Association, Worthington.**

Although these observations validated the different maps obtained, the SI approach seems to be the most adequate for vulnerability tracing in our study area. Ck-810715-01 by the National Water Well Association under the sponsorship of the Robert S. The classification process provides information in summary tables and maps of seamless digital overlays prepared using geographical information system GIS software.

**DRASTIC : a standardized system for evaluating ground water pollution potential using hydrogeologic settings**

Groundwater levels approach the surface near the Ruby River resulting in sufficient groundwater discharge to maintain stream flow during dry, late summer conditions. The influence zones were identified using a simplified particle tracking algorithm from the groundwater piezometric map.

**L. Aller, T. Bennett, J. H. Lehr, R. J. Petty and G. Hackett, “DRASTIC A Standardized System for Evaluating Groundwater Pollution Potential Using Hydrogeologic Settings,” US Environmental Protection Agency Report 600/2**

Kerr Environmental Research Laboratory Yayinci Robert S. Rather than implementing broad restrictions to land use and effluent discharge, it is more cost-effective and economically favourable to approach protection in a stepwise manner by first assessing the intrinsic vulnerability of the aquifer when defining the level of land use control that is needed to protect groundwater quality.

### **DRASTIC: A STANDARDIZED SYSTEM FOR EVALUATING GROUND WATER POLLUTION POTENTIAL USING HYDROGEOLOGIC SETTINGS**

In this model, it is assumed that the vulnerability of the groundwater is affected by seven hydrological parameters. The results indicate that the vulnerability is very low to low grade.

**Aller, L., Lehr, J.H. and Petty, R. (1987) Drastic A Standardized System to Evaluate Ground Water Pollution Potential Using Hydrogeologic Settings. National Water Well Association Worthington.**

These results suggest that almost one third of the AZB is at moderate risk of pollution potential. Stepwise regression allowed explaining 56% of the observed variability of nitrate contaminations, while non-linear artificial neural network modelling allows explaining nearly 60% of the variability. We applied our findings to a specific test site in the Piemonte region of NW Italy, following the current local procedure for individuating the WHPAs.

## Related Books

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