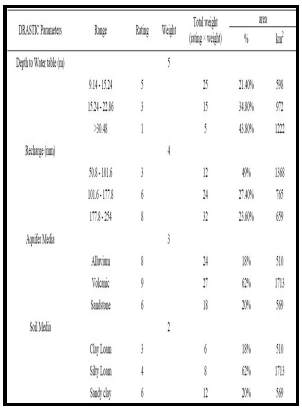
DRASTIC - a standardized system for evaluating ground water pollution potential using hydrogeologic settings

National Water Well Association - 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.



DRASTIC Parameters	Range	Rating	Weight	Total weight (rating × weight)	area	
					%	km²
Depth to Water table (m)			5			
	0.14 - 15.24	5		25	21.40%	591
	15.24 - 22.86	3		15	34.80%	972
	>30.48	1		5	43.80%	1222
Recharge (mm)			4			
	50.8 - 101.6	3		12	8%	1168
	101.6 - 177.8	6		24	27.40%	765
	177.8 - 254	8		32	23.60%	659
Aquifer Media			3			
	Alluvium	8		24	18%	510
	Volcanic	9		27	62%	1713
	Sandstone	6		18	20%	569
Soil Media			2			
	Clay Loam	3		6	18%	510
	Silty Loam	4		8	62%	1713
	Sandy Qay	6		12	20%	569

Description: -
-DRASTIC - a standardized system for evaluating ground water pollution potential using hydrogeologic settings
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NWWA/EPA seriesDRASTIC - 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: 25.1010 MB

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

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

Although these observations validated the different maps obtained, the SI approach seems to be the most adequate for vulnerability tracing in our study area. We modelled the contamination and trends of nitrate contamination using linear and non-linear statistical modelling techniques. It may be available from EPA's National Service Center for Environmental Publications NSCEP and it should be available from the National Technical Information Service NTIS.

L. Aller, T. Bennett, J. H. Lehr, R. J. Petty and G. Hackett, "DRASTIC A Standardized System for Evaluating Ground

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

The land use in the study area is heterogeneous. Groundwater nitrate concentration data were determined at 48 measurement stations distributed over the study area. 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.

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

The data show that the groundwater body is degraded, particularly in the urbanised part of the study area. This report covers a period from October, 1983 to March, 1987, and work was completed as of April, 1987. Ck-810715-01 by the National Water Well Association under the sponsorship of the Robert S.

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