

US EPA ARCHIVE DOCUMENT

## **APPENDIX D**

### **TABLES OF DRASTIC FACTOR VALUE RANGES AND CORRESPONDING RATINGS**

RANGES AND RATINGS FOR DEPTH TO WATER

Depth to Water (Feet)	
Range	Rating
0-5	10
5-15	9
15-30	7
30-50	5
50-75	3
75-100	2
100+	1
Weight: 5	

RANGES AND RATINGS FOR NET RECHARGE

Net Recharge (Inches)	
Range	Rating
0-2	1
2-4	3
4-7	6
7-10	8
10+	9
Weight: 4	

RANGES AND RATINGS FOR AQUIFER MEDIA

Aquifer Media		
Range	Rating	Typical Rating
Massive Shale	1-3	2
Metamorphic/Igneous	2-5	3
Weathered Metamorphic/Igneous	3-5	4
Thin Bedded Sandstone, Limestone, Shale Sequences	5-9	6
Massive Sandstone	4-9	6
Massive Limestone	4-9	6
Sand and Gravel	6-9	8
Basalt	2-10	9
Karst Limestone	9-10	10
Weight: 3		

RANGES AND RATINGS FOR SOIL MEDIA

Soil Media	
Range	Rating
Thin or Absent	10
Gravel	10
Sand	9
Shrinking and/or Aggregated Clay	7
Sandy Loam	6
Loam	5
Silty Loam	4
Clay Loam	3
Nonshrinking and Nonaggregated Clay	1
Weight: 2	

RANGES AND RATINGS FOR TOPOGRAPHY

Topography (Percent Slope)	
Range	Rating
0-2	10
2-6	9
6-12	5
12-18	3
18+	1
Weight: 1	

RANGES AND RATINGS FOR IMPACT OF VADOSE ZONE MEDIA

Impact of Vadose Zone Media		
Range	Rating	Typical Rating
Silt Clay	1-2	1
Shale	2-5	3
Limestone	2-7	6
Sandstone	4-8	6
Bedded Limestone, Sandstone, Shale	4-8	6
Sand and Gravel with significant Silt and Clay	4-8	6
Metamorphic/Igneous	2-8	4
Sand and Gravel	6-9	8
Basalt	2-10	9
Karst Limestone	8-10	10
Weight: 5		

RANGES AND RATINGS FOR HYDRAULIC CONDUCTIVITY

Hydraulic Conductivity (GPD FT <sup>2</sup> )	
Range	Rating
1-100	1
100-300	2
300-700	4
700-1000	6
1000-2000	8
2000+	10
Weight: 3	