

Physical Soil Properties

Benton County, Arkansas

[Entries under "Erosion Factors--T" apply to the entire profile. Entries under "Wind Erodibility Group" and "Wind Erodibility Index" apply only to the surface layer. Absence of an entry indicates that data were not estimated]

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|--------------------------|-----------|------------|------------|------------|--------------------|----------------------------------|--------------------------|----------------------|----------------|-----------------|-----|-----|------------------------|------------------------|
| | | | | | | | | | | Kw | Kf | T | | |
| | <i>In</i> | <i>Pct</i> | <i>Pct</i> | <i>Pct</i> | <i>g/cc</i> | <i>micro m/sec</i> | <i>In/In</i> | <i>Pct</i> | <i>Pct</i> | | | | | |
| Se: | | | | | | | | | | | | | | |
| Secesh | 0-10 | --- | --- | 15-25 | 1.10-1.30 | 4.00-14.00 | 0.16-0.20 | 0.0-2.9 | 0.5-2.0 | .37 | .37 | 4 | 6 | 48 |
| | 10-24 | --- | --- | 20-30 | 1.20-1.40 | 4.00-14.00 | 0.13-0.19 | 0.0-2.9 | 0.5-1.0 | .28 | .43 | | | |
| | 24-55 | --- | --- | 25-35 | 1.20-1.40 | 4.00-14.00 | 0.09-0.14 | 0.0-2.9 | 0.1-0.5 | .10 | .43 | | | |
| | 55-74 | --- | --- | 25-35 | 1.30-1.50 | 14.00-42.00 | 0.03-0.08 | 0.0-2.9 | 0.1-0.5 | .05 | .43 | | | |
| Aqualfs | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |