

Physical Soil Properties

Washington 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> | | | | | |
| Ck: | | | | | | | | | | | | | | |
| Cherokee | 0-9 | 20-35 | 38-70 | 10-27 | 1.25-1.35 | 4.00-14.00 | 0.22-0.24 | 0.0-2.9 | 0.5-2.0 | .49 | .49 | 3 | 5 | 56 |
| | 9-19 | 20-35 | 38-70 | 10-27 | 1.25-1.35 | 4.00-14.00 | 0.22-0.24 | 0.0-2.9 | 0.3-1.5 | .55 | .55 | | | |
| | 19-24 | 5-30 | 21-66 | 30-50 | 1.35-1.50 | 0.01-0.42 | 0.10-0.15 | 6.0-8.9 | 0.1-1.0 | .37 | .37 | | | |
| | 24-61 | 15-35 | 14-44 | 40-50 | 1.35-1.50 | 0.01-0.42 | 0.10-0.15 | 6.0-8.9 | 0.1-1.0 | .28 | .28 | | | |
| | 61-72 | 5-35 | 23-68 | 35-50 | 1.35-1.45 | 0.42-1.40 | 0.09-0.18 | 6.0-8.9 | 0.0-0.5 | .37 | .37 | | | |
| Aqualfs | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |