

Physical Properties of the Soils

Wilcox County, Alabama

(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 | Permea- bility (Ksat) | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|-----------------------------|-------|------|------|-------|--------------------------|-----------------------------|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| AnA: | | | | | | | | | | | | | | |
| Annemaine----- | 0-6 | --- | --- | 10-20 | 1.30-1.55 | 0.57-1.98 | 0.12-0.16 | 0.0-2.9 | 0.5-2.0 | .28 | .28 | 5 | 3 | 86 |
| | 6-14 | --- | --- | 35-50 | 1.30-1.45 | 0.06-0.20 | 0.14-0.18 | 3.0-5.9 | --- | .37 | .37 | | | |
| | 14-38 | --- | --- | 35-60 | 1.25-1.40 | 0.06-0.20 | 0.14-0.18 | 3.0-5.9 | --- | .37 | .37 | | | |
| | 38-43 | --- | --- | 20-35 | 1.30-1.60 | 0.20-0.57 | 0.14-0.18 | 0.0-2.9 | --- | .37 | .37 | | | |
| | 43-65 | --- | --- | 5-25 | 1.40-1.60 | 0.20-1.98 | 0.14-0.18 | 0.0-2.9 | --- | .32 | .32 | | | |
| AnB: | | | | | | | | | | | | | | |
| Annemaine----- | 0-9 | --- | --- | 10-20 | 1.30-1.55 | 0.57-1.98 | 0.12-0.16 | 0.0-2.9 | 0.5-1.0 | .28 | .28 | 5 | 3 | 86 |
| | 9-16 | --- | --- | 35-50 | 1.30-1.45 | 0.06-0.20 | 0.14-0.18 | 3.0-5.9 | --- | .37 | .37 | | | |
| | 16-37 | --- | --- | 35-60 | 1.25-1.40 | 0.06-0.20 | 0.14-0.18 | 3.0-5.9 | --- | .37 | .37 | | | |
| | 37-49 | --- | --- | 20-35 | 1.30-1.60 | 0.20-0.57 | 0.14-0.18 | 0.0-2.9 | --- | .37 | .37 | | | |
| | 49-90 | --- | --- | 5-25 | 1.40-1.60 | 0.20-1.98 | 0.14-0.18 | 0.0-2.9 | --- | .32 | .32 | | | |
| ArC: | | | | | | | | | | | | | | |
| Arundel----- | 0-3 | --- | --- | 15-25 | 1.40-1.50 | 0.57-1.98 | 0.14-0.17 | 0.0-2.9 | 0.5-1.0 | .37 | .37 | 3 | --- | --- |
| | 3-34 | --- | --- | 35-78 | 1.55-1.65 | 0.00-0.06 | 0.12-0.18 | 6.0-8.9 | --- | .32 | .37 | | | |
| | 34-80 | --- | --- | 0-0 | --- | 0.00-0.00 | 0.00-0.00 | --- | --- | --- | --- | | | |
| Cantuche----- | 0-4 | --- | --- | 10-20 | 1.30-1.50 | 0.57-1.98 | 0.06-0.13 | 0.0-2.9 | 0.5-1.0 | .20 | .28 | 2 | 5 | 56 |
| | 4-10 | --- | --- | 10-20 | 1.30-1.50 | 0.57-1.98 | 0.04-0.10 | 0.0-2.9 | 0.0-0.0 | .20 | .28 | | | |
| | 10-80 | --- | --- | --- | --- | 0.00-0.00 | --- | --- | --- | --- | --- | | | |
| ArF: | | | | | | | | | | | | | | |
| Arundel----- | 0-3 | --- | --- | 15-25 | 1.40-1.50 | 0.57-1.98 | 0.14-0.17 | 0.0-2.9 | 0.5-1.0 | .37 | .37 | 3 | --- | --- |
| | 3-33 | --- | --- | 35-78 | 1.55-1.65 | 0.00-0.06 | 0.12-0.18 | 6.0-8.9 | --- | .32 | .37 | | | |
| | 33-80 | --- | --- | 0-0 | --- | 0.00-0.00 | 0.00-0.00 | --- | --- | --- | --- | | | |
| Cantuche----- | 0-4 | --- | --- | 10-20 | 1.30-1.50 | 0.57-1.98 | 0.06-0.13 | 0.0-2.9 | 0.5-1.0 | .20 | .28 | 2 | 5 | 56 |
| | 4-10 | --- | --- | 10-20 | 1.30-1.50 | 0.57-1.98 | 0.04-0.10 | 0.0-2.9 | 0.0-0.0 | .20 | .28 | | | |
| | 10-80 | --- | --- | --- | --- | 0.00-0.00 | --- | --- | --- | --- | --- | | | |

Physical Properties of the Soils (cont.)

Wilcox County, Alabama

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permea- bility (Ksat) | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|-----------------------------|-------|------|------|-------|--------------------------|-----------------------------|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| BaA: Bama----- | 0-9 | --- | --- | 7-22 | 1.30-1.60 | 0.57-5.95 | 0.08-0.15 | 0.0-2.9 | 0.5-1.0 | .24 | .24 | 5 | 3 | 86 |
| | 9-50 | --- | --- | 18-32 | 1.40-1.55 | 0.57-1.98 | 0.12-0.18 | 0.0-2.9 | --- | .32 | .32 | | | |
| | 50-65 | --- | --- | 20-35 | 1.40-1.60 | 0.57-1.98 | 0.12-0.18 | 0.0-2.9 | --- | .32 | .32 | | | |
| BaB: Bama----- | 0-5 | --- | --- | 7-22 | 1.30-1.60 | 0.57-5.95 | 0.08-0.15 | 0.0-2.9 | 0.5-1.0 | .24 | .24 | 5 | 3 | 86 |
| | 5-42 | --- | --- | 18-32 | 1.40-1.55 | 0.57-1.98 | 0.12-0.18 | 0.0-2.9 | --- | .32 | .32 | | | |
| | 42-65 | --- | --- | 20-35 | 1.40-1.60 | 0.57-1.98 | 0.12-0.18 | 0.0-2.9 | --- | .32 | .32 | | | |
| BeB: Beatrice----- | 0-5 | --- | --- | 10-25 | 1.20-1.50 | 0.57-1.98 | 0.15-0.24 | 0.0-2.9 | 0.5-1.0 | .37 | .37 | 4 | 6 | 48 |
| | 5-41 | --- | --- | 60-80 | 1.05-1.40 | 0.00-0.06 | 0.12-0.18 | 6.0-8.9 | 0.0-0.0 | .32 | .32 | | | |
| | 41-80 | --- | --- | --- | --- | 0.00-0.00 | --- | --- | 0.0-0.0 | --- | --- | | | |
| BeC2: Beatrice----- | 0-2 | --- | --- | 10-25 | 1.20-1.50 | 0.57-1.98 | 0.15-0.24 | 0.0-2.9 | 0.5-1.0 | .37 | .37 | 4 | 6 | 48 |
| | 2-55 | --- | --- | 60-80 | 1.05-1.40 | 0.00-0.06 | 0.12-0.18 | 6.0-8.9 | 0.0-0.0 | .32 | .32 | | | |
| | 55-80 | --- | --- | --- | --- | 0.00-0.00 | --- | --- | 0.0-0.0 | --- | --- | | | |
| BgB: Bigbee----- | 0-4 | --- | --- | 1-10 | 1.40-1.50 | 5.95-19.98 | 0.05-0.10 | 0.0-2.9 | 0.5-2.0 | .10 | .10 | 5 | --- | --- |
| | 4-90 | --- | --- | 1-10 | 1.40-1.50 | 5.95-19.98 | 0.05-0.08 | 0.0-2.9 | --- | .17 | .17 | | | |
| BrB: Brantley----- | 0-10 | --- | --- | 8-21 | 1.35-1.65 | 0.57-1.98 | 0.10-0.15 | 0.0-2.9 | 1.0-4.0 | .28 | .28 | 5 | 3 | 86 |
| | 10-47 | --- | --- | 35-55 | 1.35-1.55 | 0.06-0.20 | 0.12-0.20 | 3.0-5.9 | 0.0-0.0 | .28 | .28 | | | |
| | 47-52 | --- | --- | 25-35 | 1.35-1.65 | 0.57-1.98 | 0.12-0.20 | 0.0-2.9 | 0.0-0.0 | .24 | .24 | | | |
| | 52-70 | --- | --- | 10-25 | 1.40-1.65 | 0.57-1.98 | 0.10-0.15 | 0.0-2.9 | 0.0-0.0 | .20 | .20 | | | |
| BtF2: Brantley----- | 0-8 | --- | --- | 27-35 | 1.35-1.60 | 0.57-1.98 | 0.12-0.18 | 0.0-2.9 | 0.5-2.0 | .28 | .28 | 5 | 6 | 48 |
| | 8-18 | --- | --- | 35-55 | 1.35-1.55 | 0.06-0.20 | 0.12-0.20 | 3.0-5.9 | 0.0-0.0 | .28 | .28 | | | |
| | 18-53 | --- | --- | 25-35 | 1.35-1.65 | 0.57-1.98 | 0.12-0.20 | 0.0-2.9 | 0.0-0.0 | .24 | .24 | | | |
| | 53-65 | --- | --- | 10-25 | 1.40-1.65 | 0.57-1.98 | 0.10-0.15 | 0.0-2.9 | 0.0-0.0 | .20 | .20 | | | |
| CaA: Cahaba----- | 0-9 | --- | --- | 7-17 | 1.35-1.60 | 1.98-5.95 | 0.10-0.14 | 0.0-2.9 | 0.5-2.0 | .24 | .24 | 5 | 3 | 86 |
| | 9-53 | --- | --- | 18-35 | 1.35-1.60 | 0.57-1.98 | 0.12-0.20 | 0.0-2.9 | --- | .28 | .28 | | | |
| | 53-90 | --- | --- | 4-20 | 1.40-1.70 | 1.98-19.98 | 0.05-0.10 | 0.0-2.9 | --- | .24 | .24 | | | |

Physical Properties of the Soils (cont.)

Wilcox County, Alabama

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permea- bility (Ksat) | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|-----------------------------|-------|------|------|-------|--------------------------|-----------------------------|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| CbA: Canton Bend----- | 0-8 | --- | --- | 9-25 | --- | 0.57-1.98 | 0.15-0.24 | 0.0-2.9 | 0.5-2.0 | .43 | .43 | 5 | 6 | 48 |
| | 8-43 | --- | --- | 35-45 | --- | 0.06-0.20 | 0.14-0.18 | 3.0-5.9 | --- | .37 | .37 | | | |
| | 43-65 | --- | --- | 6-27 | --- | 0.57-1.98 | 0.11-0.18 | 0.0-2.9 | --- | .32 | .32 | | | |
| ChA: Chrysler----- | 0-5 | --- | --- | 10-20 | 1.35-1.55 | 0.57-1.98 | 0.12-0.16 | 0.0-2.9 | 0.5-2.0 | .28 | .28 | 5 | 3 | 86 |
| | 5-65 | --- | --- | 35-60 | 1.20-1.50 | 0.06-0.20 | 0.14-0.18 | 3.0-5.9 | 0.0-0.0 | .32 | .32 | | | |
| CoA: Congaree----- | 0-4 | --- | --- | 5-15 | 1.30-1.60 | 0.57-5.95 | 0.12-0.18 | 0.0-2.9 | 1.0-3.0 | .24 | .24 | 5 | 3 | 86 |
| | 4-70 | --- | --- | 18-35 | 1.20-1.50 | 0.57-1.98 | 0.12-0.20 | 0.0-2.9 | 0.0-0.0 | .37 | .37 | | | |
| DwC: Demopolis----- | 0-7 | --- | --- | 17-35 | 1.35-1.60 | 0.20-0.57 | 0.10-0.17 | 3.0-5.9 | 1.0-2.0 | .37 | .37 | 2 | 4L | 86 |
| | 7-17 | --- | --- | 20-35 | 1.40-1.65 | 0.20-0.57 | 0.03-0.06 | 0.0-2.9 | 0.0-0.0 | .32 | .32 | | | |
| | 17-80 | --- | --- | --- | --- | 0.00-0.00 | --- | --- | --- | --- | --- | | | |
| Watsonia----- | 0-3 | --- | --- | 40-70 | 1.10-1.40 | 0.00-0.06 | 0.12-0.16 | 6.0-8.9 | 2.0-5.0 | .32 | .32 | 2 | --- | --- |
| | 3-11 | --- | --- | 60-80 | 1.00-1.40 | 0.00-0.06 | 0.12-0.16 | 6.0-8.9 | 0.0-0.0 | .32 | .32 | | | |
| | 11-18 | --- | --- | 50-70 | 1.00-1.40 | 0.00-0.06 | 0.12-0.16 | 6.0-8.9 | 0.0-0.0 | .37 | .37 | | | |
| | 18-60 | --- | --- | --- | --- | 0.00-0.00 | --- | --- | --- | --- | --- | | | |
| EsA: Escambia----- | 0-14 | --- | --- | 5-14 | 1.35-1.55 | 1.98-5.95 | 0.11-0.15 | 0.0-2.9 | 0.5-2.0 | .24 | .24 | 5 | 3 | 86 |
| | 14-38 | --- | --- | 8-18 | 1.35-1.55 | 0.57-1.98 | 0.15-0.20 | 0.0-2.9 | --- | .24 | .24 | | | |
| | 38-65 | --- | --- | 8-35 | 1.45-1.65 | 0.06-0.57 | 0.10-0.18 | 0.0-2.9 | --- | .28 | .28 | | | |
| FrA: Freest----- | 0-9 | --- | --- | 3-10 | 1.40-1.50 | 0.57-1.98 | 0.10-0.15 | 0.0-2.9 | 0.5-2.0 | .28 | .28 | 5 | --- | --- |
| | 9-34 | --- | --- | 10-25 | 1.40-1.50 | 0.20-0.57 | 0.15-0.18 | 3.0-5.9 | --- | .32 | .32 | | | |
| | 34-65 | --- | --- | 27-50 | 1.40-1.55 | 0.06-0.20 | 0.15-0.18 | 6.0-8.9 | --- | .28 | .28 | | | |
| FrB: Freest----- | 0-10 | --- | --- | 3-10 | 1.40-1.50 | 0.57-1.98 | 0.10-0.15 | 0.0-2.9 | 0.5-2.0 | .28 | .28 | 5 | --- | --- |
| | 10-38 | --- | --- | 10-25 | 1.40-1.50 | 0.20-0.57 | 0.15-0.18 | 3.0-5.9 | --- | .32 | .32 | | | |
| | 38-65 | --- | --- | 27-50 | 1.40-1.55 | 0.06-0.20 | 0.15-0.18 | 6.0-8.9 | --- | .28 | .28 | | | |
| HaB: Halso----- | 0-2 | --- | --- | 9-35 | 1.25-1.55 | 0.57-1.98 | 0.14-0.20 | 0.0-2.9 | 0.5-2.0 | .32 | .32 | 4 | 6 | 48 |
| | 2-6 | --- | --- | 35-70 | 1.20-1.50 | 0.06-0.20 | 0.12-0.18 | 3.0-5.9 | 0.0-0.0 | .32 | .32 | | | |
| | 6-42 | --- | --- | 40-70 | 1.10-1.40 | 0.00-0.06 | 0.12-0.18 | 6.0-8.9 | 0.0-0.0 | .32 | .32 | | | |
| | 42-80 | --- | --- | 0-0 | 1.30-1.65 | 0.00-0.00 | 0.00-0.00 | 0.0-0.0 | 0.0-0.0 | .24 | .37 | | | |

Physical Properties of the Soils (cont.)

Wilcox County, Alabama

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permea- bility (Ksat) | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|-----------------------------|-------|------|------|-------|--------------------------|-----------------------------|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| HbD2: | | | | | | | | | | | | | | |
| Halso----- | 0-4 | --- | --- | 6-20 | 1.30-1.60 | 0.57-1.98 | 0.11-0.15 | 0.0-2.9 | 0.5-2.0 | .28 | .28 | 4 | 3 | 86 |
| | 4-44 | --- | --- | 40-70 | 1.10-1.40 | 0.00-0.06 | 0.12-0.18 | 6.0-8.9 | 0.0-0.0 | .32 | .32 | | | |
| | 44-80 | --- | --- | 0-0 | 1.30-1.65 | 0.00-0.00 | 0.00-0.00 | 3.0-5.9 | 0.0-0.0 | .24 | .37 | | | |
| HoA: | | | | | | | | | | | | | | |
| Houlka----- | 0-6 | --- | --- | 25-40 | 1.45-1.65 | 0.57-1.98 | 0.18-0.22 | 3.0-5.9 | 0.5-2.0 | .28 | .28 | 5 | --- | --- |
| | 6-65 | --- | --- | 35-55 | 1.40-1.60 | 0.00-0.06 | 0.18-0.20 | 6.0-8.9 | --- | .32 | .32 | | | |
| IaA: | | | | | | | | | | | | | | |
| Izagora----- | 0-11 | --- | --- | 8-20 | 1.40-1.65 | 1.98-5.95 | 0.11-0.20 | 0.0-2.9 | 0.5-2.0 | .28 | .28 | 5 | 3 | 86 |
| | 11-46 | --- | --- | 18-30 | 1.40-1.60 | 0.57-1.98 | 0.12-0.20 | 0.0-2.9 | --- | .32 | .32 | | | |
| | 46-91 | --- | --- | 35-55 | 1.30-1.60 | 0.06-0.20 | 0.16-0.20 | 3.0-5.9 | --- | .32 | .32 | | | |
| IjB: | | | | | | | | | | | | | | |
| Izagora----- | 0-9 | --- | --- | 8-20 | 1.40-1.65 | 1.98-5.95 | 0.11-0.20 | 0.0-2.9 | 0.5-2.0 | .28 | .28 | 5 | 3 | 86 |
| | 9-31 | --- | --- | 18-30 | 1.40-1.60 | 0.57-1.98 | 0.12-0.20 | 0.0-2.9 | --- | .32 | .32 | | | |
| | 31-80 | --- | --- | 35-55 | 1.30-1.60 | 0.06-0.20 | 0.16-0.20 | 3.0-5.9 | --- | .32 | .32 | | | |
| Jedburg----- | 0-8 | --- | --- | 10-18 | 1.40-1.50 | 1.98-5.95 | 0.11-0.17 | 0.0-2.9 | 1.0-3.0 | .32 | .32 | 5 | 3 | 86 |
| | 8-20 | --- | --- | 18-30 | 1.30-1.40 | 0.20-0.57 | 0.15-0.22 | 0.0-2.9 | --- | .28 | .28 | | | |
| | 20-80 | --- | --- | 20-40 | 1.20-1.40 | 0.20-0.57 | 0.12-0.20 | 0.0-2.9 | --- | .28 | .28 | | | |
| KpD2: | | | | | | | | | | | | | | |
| Kipling----- | 0-4 | --- | --- | 28-32 | 1.30-1.45 | 0.06-0.20 | 0.20-0.22 | 3.0-5.9 | 0.5-2.0 | .32 | .32 | 5 | --- | --- |
| | 4-43 | --- | --- | 36-60 | 1.37-1.41 | 0.06-0.20 | 0.20-0.22 | 6.0-8.9 | --- | .32 | .32 | | | |
| | 43-85 | --- | --- | 40-60 | 1.57-1.60 | 0.00-0.06 | 0.18-0.20 | 9.0-25.0 | --- | .32 | .32 | | | |
| LbA: | | | | | | | | | | | | | | |
| Lenoir----- | 0-3 | --- | --- | 6-20 | 1.30-1.50 | 0.57-1.98 | 0.14-0.18 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 5 | 5 | 56 |
| | 3-65 | --- | --- | 35-60 | 1.20-1.35 | 0.06-0.20 | 0.13-0.15 | 3.0-5.9 | 0.0-0.0 | .32 | .32 | | | |
| LdA: | | | | | | | | | | | | | | |
| Lucedale----- | 0-7 | --- | --- | 1-10 | 1.40-1.55 | 0.57-1.98 | 0.15-0.20 | 0.0-2.9 | 0.5-2.0 | .24 | .24 | 5 | --- | --- |
| | 7-80 | --- | --- | 20-30 | 1.55-1.70 | 0.57-1.98 | 0.14-0.18 | 0.0-2.9 | --- | .24 | .24 | | | |
| LvB: | | | | | | | | | | | | | | |
| Luverne----- | 0-3 | --- | --- | 7-20 | 1.35-1.65 | 1.98-5.95 | 0.11-0.15 | 0.0-2.9 | 0.5-2.0 | .24 | .24 | 5 | 3 | 86 |
| | 3-32 | --- | --- | 35-50 | 1.25-1.55 | 0.20-0.57 | 0.12-0.18 | 3.0-5.9 | --- | .28 | .28 | | | |
| | 32-65 | --- | --- | 10-35 | 1.35-1.65 | 0.20-0.57 | 0.05-0.10 | 0.0-2.9 | --- | .28 | .28 | | | |

Physical Properties of the Soils (cont.)

Wilcox County, Alabama

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permea- bility (Ksat) | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|-----------------------------|-------|------|------|-------|--------------------------|-----------------------------|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| LvD2: | | | | | | | | | | | | | | |
| Luverne----- | 0-6 | --- | --- | 7-20 | 1.35-1.65 | 1.98-5.95 | 0.11-0.15 | 0.0-2.9 | 0.5-2.0 | .24 | .24 | 5 | 3 | 86 |
| | 6-41 | --- | --- | 35-50 | 1.25-1.55 | 0.20-0.57 | 0.12-0.18 | 3.0-5.9 | --- | .28 | .28 | | | |
| | 41-70 | --- | --- | 10-35 | 1.35-1.65 | 0.20-0.57 | 0.05-0.10 | 0.0-2.9 | --- | .28 | .28 | | | |
| LvF: | | | | | | | | | | | | | | |
| Luverne----- | 0-8 | --- | --- | 7-20 | 1.35-1.65 | 1.98-5.95 | 0.11-0.15 | 0.0-2.9 | 0.5-2.0 | .24 | .24 | 5 | 3 | 86 |
| | 8-41 | --- | --- | 35-50 | 1.25-1.55 | 0.20-0.57 | 0.12-0.18 | 3.0-5.9 | --- | .28 | .28 | | | |
| | 41-65 | --- | --- | 10-35 | 1.35-1.65 | 0.20-0.57 | 0.05-0.10 | 0.0-2.9 | --- | .28 | .28 | | | |
| MaA: | | | | | | | | | | | | | | |
| Malbis----- | 0-7 | --- | --- | 10-25 | 1.30-1.60 | 0.57-1.98 | 0.10-0.15 | 0.0-2.9 | 0.5-2.0 | .24 | .24 | 5 | 3 | 86 |
| | 7-29 | --- | --- | 18-33 | 1.30-1.70 | 0.57-1.98 | 0.12-0.20 | 0.0-2.9 | --- | .28 | .28 | | | |
| | 29-70 | --- | --- | 20-35 | 1.40-1.60 | 0.57-1.98 | 0.12-0.17 | 0.0-2.9 | --- | .28 | .28 | | | |
| MbB: | | | | | | | | | | | | | | |
| Malbis----- | 0-12 | --- | --- | 10-25 | 1.30-1.60 | 0.57-1.98 | 0.10-0.15 | 0.0-2.9 | 0.5-2.0 | .24 | .24 | 5 | 3 | 86 |
| | 12-34 | --- | --- | 18-33 | 1.30-1.70 | 0.57-1.98 | 0.12-0.20 | 0.0-2.9 | --- | .28 | .28 | | | |
| | 34-72 | --- | --- | 20-35 | 1.40-1.60 | 0.57-1.98 | 0.12-0.17 | 0.0-2.9 | --- | .28 | .28 | | | |
| MbC: | | | | | | | | | | | | | | |
| Malbis----- | 0-6 | --- | --- | 10-25 | 1.30-1.60 | 0.57-1.98 | 0.10-0.15 | 0.0-2.9 | 0.5-1.0 | .24 | .24 | 5 | 3 | 86 |
| | 6-26 | --- | --- | 18-33 | 1.30-1.70 | 0.57-1.98 | 0.12-0.20 | 0.0-2.9 | --- | .28 | .28 | | | |
| | 26-66 | --- | --- | 20-35 | 1.40-1.60 | 0.57-1.98 | 0.12-0.17 | 0.0-2.9 | --- | .28 | .28 | | | |
| MKA: | | | | | | | | | | | | | | |
| Mooreville----- | 0-4 | --- | --- | 5-27 | 1.40-1.50 | 0.57-1.98 | 0.14-0.20 | 0.0-2.9 | 0.5-2.0 | .37 | .37 | 5 | --- | --- |
| | 4-35 | --- | --- | 18-35 | 1.40-1.50 | 0.57-1.98 | 0.14-0.18 | 3.0-5.9 | --- | .28 | .28 | | | |
| | 35-70 | --- | --- | 10-40 | 1.40-1.60 | 0.57-1.98 | 0.14-0.18 | 3.0-5.9 | --- | .28 | .28 | | | |
| Mantachie----- | 0-6 | --- | --- | 8-20 | 1.50-1.60 | 0.57-1.98 | 0.16-0.20 | 0.0-2.9 | 1.0-3.0 | .28 | .28 | 5 | --- | --- |
| | 6-68 | --- | --- | 18-34 | 1.50-1.60 | 0.57-1.98 | 0.14-0.20 | 0.0-2.9 | --- | .28 | .28 | | | |
| Kinston----- | 0-3 | --- | --- | 5-27 | 1.30-1.50 | 0.57-1.98 | 0.14-0.20 | 0.0-2.9 | 2.0-5.0 | .37 | .37 | 5 | 5 | 56 |
| | 3-70 | --- | --- | 18-35 | 1.30-1.50 | 0.57-1.98 | 0.14-0.18 | 0.0-2.9 | 0.0-0.0 | .32 | .32 | | | |
| OkB: | | | | | | | | | | | | | | |
| Oktibbeha----- | 0-3 | --- | --- | 30-40 | 1.10-1.40 | 0.06-0.20 | 0.13-0.17 | 3.0-5.9 | 2.0-7.0 | .32 | .32 | 5 | --- | --- |
| | 3-14 | --- | --- | 60-80 | 1.00-1.30 | 0.00-0.06 | 0.12-0.16 | 9.0-25.0 | 0.0-0.0 | .32 | .32 | | | |
| | 14-35 | --- | --- | 60-80 | 1.00-1.30 | 0.00-0.06 | 0.12-0.16 | 9.0-25.0 | 0.0-0.0 | .32 | .32 | | | |
| | 35-70 | --- | --- | 50-70 | 1.10-1.40 | 0.00-0.06 | 0.05-0.10 | 9.0-25.0 | 0.0-0.0 | .32 | .32 | | | |

Physical Properties of the Soils (cont.)

Wilcox County, Alabama

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permea- bility (Ksat) | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|-----------------------------|-------|------|------|-------|--------------------------|-----------------------------|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| OtE2: Oktibbeha----- | 0-4 | --- | --- | 30-40 | 1.10-1.40 | 0.06-0.20 | 0.13-0.17 | 3.0-5.9 | 2.0-7.0 | .32 | .32 | 5 | --- | --- |
| | 4-43 | --- | --- | 60-80 | 1.00-1.30 | 0.00-0.06 | 0.12-0.16 | 9.0-25.0 | 0.0-0.0 | .32 | .32 | | | |
| | 43-80 | --- | --- | 50-70 | 1.10-1.40 | 0.00-0.06 | 0.05-0.10 | 9.0-25.0 | 0.0-0.0 | .32 | .32 | | | |
| Brantley----- | 0-3 | --- | --- | 8-21 | 1.35-1.65 | 0.57-1.98 | 0.10-0.15 | 0.0-2.9 | 1.0-4.0 | .28 | .28 | 5 | 3 | 86 |
| | 3-35 | --- | --- | 35-55 | 1.35-1.55 | 0.06-0.20 | 0.12-0.20 | 3.0-5.9 | 0.0-0.0 | .28 | .28 | | | |
| | 35-48 | --- | --- | 25-35 | 1.35-1.65 | 0.57-1.98 | 0.12-0.20 | 0.0-2.9 | 0.0-0.0 | .24 | .24 | | | |
| | 48-70 | --- | --- | 10-25 | 1.40-1.65 | 0.57-1.98 | 0.10-0.15 | 0.0-2.9 | 0.0-0.0 | .20 | .20 | | | |
| Pt: Pits----- | 0-60 | --- | --- | --- | --- | --- | 0.00-0.00 | --- | --- | --- | --- | - | 8 | 0 |
| PvA: Poarch----- | 0-8 | --- | --- | 5-15 | 1.35-1.55 | 1.98-5.95 | 0.10-0.15 | 0.0-2.9 | 0.5-2.0 | .20 | .20 | 5 | 3 | 86 |
| | 8-24 | --- | --- | 8-18 | 1.35-1.55 | 0.57-1.98 | 0.10-0.20 | 0.0-2.9 | --- | .24 | .24 | | | |
| | 24-65 | --- | --- | 10-25 | 1.45-1.65 | 0.20-0.57 | 0.10-0.20 | 0.0-2.9 | --- | .24 | .24 | | | |
| RvA: Riverview----- | 0-8 | --- | --- | 4-18 | 1.30-1.60 | 0.57-1.98 | 0.12-0.18 | 0.0-2.9 | 0.5-2.0 | .24 | .24 | 5 | 3 | 86 |
| | 8-48 | --- | --- | 18-35 | 1.20-1.40 | 0.57-1.98 | 0.15-0.22 | 0.0-2.9 | 0.0-0.0 | .24 | .24 | | | |
| | 48-70 | --- | --- | 4-18 | 1.20-1.50 | 1.98-5.95 | 0.07-0.11 | 0.0-2.9 | 0.0-0.0 | .17 | .17 | | | |
| SaF: Saffell----- | 0-11 | --- | --- | 5-20 | 1.35-1.60 | 1.98-5.95 | 0.07-0.17 | 0.0-2.9 | 1.0-2.0 | .20 | .24 | 5 | 3 | 86 |
| | 11-49 | --- | --- | 12-35 | 1.35-1.60 | 0.57-1.98 | 0.06-0.12 | 0.0-2.9 | 0.0-0.0 | .28 | .24 | | | |
| | 49-80 | --- | --- | 10-25 | 1.35-1.60 | 0.57-1.98 | 0.04-0.11 | 0.0-2.9 | 0.0-0.0 | .28 | .32 | | | |
| Smithdale----- | 0-14 | --- | --- | 2-15 | 1.40-1.50 | 1.98-5.95 | 0.14-0.16 | 0.0-2.9 | 0.5-2.0 | .28 | .28 | 5 | --- | --- |
| | 14-60 | --- | --- | 18-33 | 1.40-1.55 | 0.57-1.98 | 0.15-0.17 | 0.0-2.9 | --- | .24 | .24 | | | |
| | 60-80 | --- | --- | 12-27 | 1.40-1.55 | 1.98-5.95 | 0.14-0.16 | 0.0-2.9 | --- | .28 | .28 | | | |
| Luverne----- | 0-14 | --- | --- | 7-20 | 1.35-1.65 | 1.98-5.95 | 0.11-0.15 | 0.0-2.9 | 0.5-2.0 | .24 | .24 | 5 | 3 | 86 |
| | 14-42 | --- | --- | 35-50 | 1.25-1.55 | 0.20-0.57 | 0.12-0.18 | 3.0-5.9 | --- | .28 | .28 | | | |
| | 42-47 | --- | --- | 20-40 | 1.35-1.65 | 0.20-0.57 | 0.12-0.18 | 0.0-2.9 | --- | .28 | .28 | | | |
| | 47-65 | --- | --- | 10-35 | 1.35-1.65 | 0.20-0.57 | 0.05-0.10 | 0.0-2.9 | --- | .28 | .28 | | | |
| SeB2: Searcy----- | 0-4 | --- | --- | 18-35 | 1.35-1.60 | 0.20-0.57 | 0.12-0.18 | 3.0-5.9 | 1.0-4.0 | .24 | .24 | 5 | 6 | 48 |
| | 4-16 | --- | --- | 25-45 | 1.35-1.60 | 0.20-0.57 | 0.12-0.18 | 3.0-5.9 | 0.0-0.0 | .24 | .24 | | | |
| | 16-35 | --- | --- | 40-55 | 1.40-1.65 | 0.06-0.20 | 0.12-0.20 | 3.0-5.9 | 0.0-0.0 | .28 | .28 | | | |
| | 35-65 | --- | --- | 45-60 | 1.40-1.65 | 0.06-0.20 | 0.12-0.20 | 6.0-8.9 | 0.0-0.0 | .28 | .28 | | | |

Physical Properties of the Soils (cont.)

Wilcox County, Alabama

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permea- bility (Ksat) | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|-----------------------------|-------|------|------|-------|--------------------------|-----------------------------|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| SmB: | | | | | | | | | | | | | | |
| Smithdale----- | 0-15 | --- | --- | 2-8 | 1.40-1.50 | 1.98-5.95 | 0.05-0.10 | 0.0-2.9 | 0.5-2.0 | .17 | .20 | 5 | --- | --- |
| | 15-42 | --- | --- | 18-33 | 1.40-1.55 | 0.57-1.98 | 0.15-0.17 | 0.0-2.9 | --- | .24 | .24 | | | |
| | 42-65 | --- | --- | 12-27 | 1.40-1.55 | 1.98-5.95 | 0.14-0.16 | 0.0-2.9 | --- | .28 | .28 | | | |
| Boykin----- | 0-25 | --- | --- | 1-12 | 1.40-1.60 | 5.95-19.98 | 0.08-0.12 | 0.0-2.9 | 0.5-1.0 | .10 | .10 | 5 | 2 | 134 |
| | 25-65 | --- | --- | 10-30 | 1.45-1.70 | 0.57-1.98 | 0.10-0.12 | 0.0-2.9 | 0.0-0.0 | .24 | .24 | | | |
| SnA: | | | | | | | | | | | | | | |
| Sucarnoochee----- | 0-9 | --- | --- | 30-40 | 1.20-1.50 | 0.06-0.20 | 0.15-0.20 | 6.0-8.9 | 2.0-7.0 | .32 | .32 | 5 | 4 | 86 |
| | 9-65 | --- | --- | 45-70 | 1.00-1.30 | 0.00-0.06 | 0.12-0.18 | 6.0-8.9 | --- | .32 | .32 | | | |
| SpE2: | | | | | | | | | | | | | | |
| Sumter----- | 0-6 | --- | --- | 32-50 | 1.30-1.60 | 0.06-1.98 | 0.12-0.17 | 6.0-8.9 | 2.0-5.0 | .37 | .37 | 2 | 4 | 86 |
| | 6-31 | --- | --- | 35-57 | 1.15-1.55 | 0.06-1.98 | 0.12-0.17 | 6.0-8.9 | 0.0-0.0 | .37 | .37 | | | |
| | 31-65 | --- | --- | --- | --- | 0.00-0.00 | --- | --- | --- | --- | --- | | | |
| Demopolis----- | 0-7 | --- | --- | 17-35 | 1.35-1.60 | 0.20-0.57 | 0.10-0.17 | 3.0-5.9 | 1.0-2.0 | .37 | .37 | 2 | 4L | 86 |
| | 7-13 | --- | --- | 20-35 | 1.40-1.65 | 0.20-0.57 | 0.03-0.06 | 0.0-2.9 | 0.0-0.0 | .32 | .32 | | | |
| | 13-65 | --- | --- | --- | --- | 0.00-0.00 | --- | --- | --- | --- | --- | | | |
| SuE3: | | | | | | | | | | | | | | |
| Sumter----- | 0-7 | --- | --- | 32-50 | 1.30-1.60 | 0.06-1.98 | 0.12-0.17 | 6.0-8.9 | 2.0-5.0 | .37 | .37 | 2 | 4 | 86 |
| | 7-30 | --- | --- | 35-57 | 1.15-1.55 | 0.06-1.98 | 0.12-0.17 | 6.0-8.9 | 0.0-0.0 | .37 | .37 | | | |
| | 30-36 | --- | --- | 35-57 | 1.15-1.50 | 0.06-1.98 | 0.11-0.16 | 3.0-5.9 | 0.0-0.0 | .32 | .37 | | | |
| | 36-80 | --- | --- | --- | --- | 0.00-0.00 | --- | --- | --- | --- | --- | | | |
| Gullied Land----- | 0-60 | --- | --- | --- | --- | --- | 0.00-0.00 | --- | --- | --- | --- | - | 8 | 0 |
| UbC: | | | | | | | | | | | | | | |
| Udorthents----- | 0-80 | --- | --- | --- | --- | --- | 0.00-0.00 | 0.0-2.9 | 0.0-0.5 | --- | --- | 5 | --- | --- |
| Urban Land----- | 0-6 | --- | --- | --- | --- | --- | 0.00-0.00 | --- | --- | --- | --- | - | --- | --- |
| UnA: | | | | | | | | | | | | | | |
| Una----- | 0-6 | --- | --- | 28-45 | 1.40-1.60 | 0.00-0.06 | 0.15-0.20 | 6.0-8.9 | 2.0-5.0 | .32 | .32 | 5 | --- | --- |
| | 6-65 | --- | --- | 35-55 | 1.40-1.60 | 0.00-0.06 | 0.15-0.20 | 6.0-8.9 | --- | .28 | .28 | | | |

Physical Properties of the Soils (cont.)

Wilcox County, Alabama

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permea- bility (Ksat) | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|-----------------------------|-------|------|------|-------|--------------------------|-----------------------------|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| UuB: | | | | | | | | | | | | | | |
| Urbo----- | 0-3 | --- | --- | 28-35 | 1.40-1.50 | 0.06-0.20 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | 5 | --- | --- |
| | 3-65 | --- | --- | 35-55 | 1.45-1.55 | 0.00-0.06 | 0.18-0.20 | 3.0-5.9 | --- | .28 | .28 | | | |
| Mooreville----- | 0-9 | --- | --- | 5-27 | 1.40-1.50 | 0.57-1.98 | 0.14-0.20 | 0.0-2.9 | 0.5-2.0 | .37 | .37 | 5 | --- | --- |
| | 9-49 | --- | --- | 18-35 | 1.40-1.50 | 0.57-1.98 | 0.14-0.18 | 3.0-5.9 | --- | .28 | .28 | | | |
| | 49-65 | --- | --- | 10-40 | 1.40-1.60 | 0.57-1.98 | 0.14-0.18 | 3.0-5.9 | --- | .28 | .28 | | | |
| Una----- | 0-2 | --- | --- | 28-45 | 1.40-1.60 | 0.00-0.06 | 0.15-0.20 | 6.0-8.9 | 1.0-5.0 | .32 | .32 | 5 | --- | --- |
| | 2-65 | --- | --- | 35-55 | 1.40-1.60 | 0.00-0.06 | 0.15-0.20 | 6.0-8.9 | --- | .28 | .28 | | | |
| VaA: | | | | | | | | | | | | | | |
| Vaiden----- | 0-5 | --- | --- | 40-60 | 1.10-1.40 | 0.06-0.20 | 0.10-0.15 | 6.0-8.9 | 1.0-5.0 | .32 | .32 | 5 | --- | --- |
| | 5-46 | --- | --- | 60-75 | 1.00-1.30 | 0.00-0.06 | 0.10-0.15 | 9.0-25.0 | 0.0-0.0 | .32 | .32 | | | |
| | 46-70 | --- | --- | 40-75 | 1.10-1.40 | 0.00-0.06 | 0.10-0.15 | 9.0-25.0 | 0.0-0.0 | .32 | .32 | | | |
| VaB: | | | | | | | | | | | | | | |
| Vaiden----- | 0-4 | --- | --- | 40-60 | 1.10-1.40 | 0.06-0.20 | 0.10-0.15 | 6.0-8.9 | 1.0-5.0 | .32 | .32 | 5 | --- | --- |
| | 4-67 | --- | --- | 60-75 | 1.00-1.30 | 0.00-0.06 | 0.10-0.15 | 9.0-25.0 | 0.0-0.0 | .32 | .32 | | | |
| | 67-80 | --- | --- | 40-75 | 1.10-1.40 | 0.00-0.06 | 0.10-0.15 | 9.0-25.0 | 0.0-0.0 | .32 | .32 | | | |
| WcB: | | | | | | | | | | | | | | |
| Wilcox----- | 0-4 | --- | --- | 40-70 | 1.40-1.45 | 0.06-0.20 | 0.18-0.20 | 6.0-8.9 | 0.5-2.0 | .37 | .37 | 4 | --- | --- |
| | 4-52 | --- | --- | 60-85 | 1.40-1.55 | 0.00-0.06 | 0.15-0.18 | 6.0-8.9 | --- | .28 | .28 | | | |
| | 52-80 | --- | --- | --- | --- | 0.00-0.00 | --- | --- | --- | --- | --- | | | |
| WcD2: | | | | | | | | | | | | | | |
| Wilcox----- | 0-3 | --- | --- | 40-70 | 1.40-1.45 | 0.06-0.20 | 0.18-0.20 | 6.0-8.9 | 0.5-2.0 | .37 | .37 | 4 | --- | --- |
| | 3-46 | --- | --- | 60-85 | 1.40-1.55 | 0.00-0.06 | 0.15-0.18 | 6.0-8.9 | --- | .28 | .28 | | | |
| | 46-85 | --- | --- | --- | --- | 0.00-0.00 | --- | --- | --- | --- | --- | | | |