

Highly Erodible Soils Classification  
St. Francois County, Missouri

| Map Unit<br>Symbol | Map Unit Name       | Slope % |     | Slope<br>Length | LS factor |       | R   | K    | T | Erod. Index |        | Class |
|--------------------|---------------------|---------|-----|-----------------|-----------|-------|-----|------|---|-------------|--------|-------|
|                    |                     | Min     | Max |                 | Min       | Max   |     |      |   | Min         | Max    |       |
| 10A                | Ashton sil          | 0       | 3   | 128             | 0.09      | 0.31  | 225 | 0.32 | 5 | 1.30        | 4.46   | NHEL  |
| 11A                | Auxvasse sil        | 0       | 3   | 150             | 0.09      | 0.32  | 225 | 0.43 | 3 | 2.90        | 10.32  | PHEL  |
| 12B                | Caneyville sil      | 2       | 5   | 128             | 0.22      | 0.61  | 225 | 0.43 | 3 | 7.10        | 19.67  | PHEL  |
| 12C                | Caneyville sil      | 5       | 9   | 128             | 0.61      | 1.40  | 225 | 0.43 | 3 | 19.67       | 45.15  | HEL   |
| 12D                | Caneyville sil      | 9       | 14  | 128             | 1.40      | 2.60  | 225 | 0.43 | 3 | 45.15       | 83.85  | HEL   |
| 13E                | Caneyville st-sil   | 14      | 20  | 128             | 2.60      | 4.50  | 225 | 0.28 | 3 | 54.60       | 94.50  | HEL   |
| 14A                | Carr fs             | 0       | 2   | 70              | 0.07      | 0.17  | 225 | 0.24 | 5 | 0.76        | 1.84   | NHEL  |
| 15B                | Crider sil          | 2       | 5   | 150             | 0.23      | 0.66  | 225 | 0.32 | 5 | 3.31        | 9.50   | PHEL  |
| 15C                | Crider sil          | 5       | 9   | 150             | 0.66      | 1.40  | 225 | 0.32 | 5 | 9.50        | 20.16  | HEL   |
| 15D                | Crider sil          | 9       | 14  | 150             | 1.40      | 2.80  | 225 | 0.32 | 5 | 20.16       | 40.32  | HEL   |
| 16B                | Delassus sil        | 2       | 5   | 119             | 0.21      | 0.59  | 225 | 0.37 | 4 | 4.37        | 12.28  | PHEL  |
| 16C                | Delassus sil        | 5       | 9   | 119             | 0.59      | 1.30  | 225 | 0.37 | 4 | 12.28       | 27.06  | HEL   |
| 17C                | Delassus by-sil     | 5       | 9   | 119             | 0.59      | 1.30  | 225 | 0.37 | 4 | 12.28       | 27.06  | HEL   |
| 19A                | Elsah sil           | 0       | 3   | 91              | 0.08      | 0.29  | 225 | 0.37 | 3 | 2.22        | 8.05   | PHEL  |
| 20C                | Fourche sil         | 5       | 9   | 144             | 0.63      | 1.40  | 225 | 0.37 | 5 | 10.49       | 23.31  | HEL   |
| 20C                | Fourche sil         | 9       | 14  | 144             | 1.40      | 2.80  | 225 | 0.37 | 5 | 23.31       | 46.62  | HEL   |
| 21E                | Gasconade fl-sicl   | 9       | 35  | 174             | 1.60      | 14.00 | 225 | 0.20 | 2 | 36.00       | 315.00 | HEL   |
| 22E                | Goss grv-sil        | 14      | 35  | 177             | 3.00      | 14.00 | 225 | 0.10 | 2 | 33.75       | 157.50 | HEL   |
| 23A                | Haymond sil         | 0       | 2   | 88              | 0.08      | 0.19  | 225 | 0.37 | 5 | 1.33        | 3.16   | NHEL  |
| 24B                | Hildebrecht sil     | 2       | 5   | 145             | 0.22      | 0.63  | 225 | 0.43 | 4 | 5.32        | 15.24  | PHEL  |
| 24C                | Hildebrecht sil     | 5       | 9   | 145             | 0.63      | 1.40  | 225 | 0.43 | 4 | 15.24       | 33.86  | HEL   |
| 24D                | Hildebrecht sil     | 9       | 14  | 145             | 1.40      | 2.80  | 225 | 0.43 | 4 | 33.86       | 67.73  | HEL   |
| 25F                | Irondale stx-sil    | 15      | 40  | 193             | 3.50      | 18.00 | 225 | 0.17 | 4 | 33.47       | 172.13 | HEL   |
| 26B                | Jonca sil           | 2       | 5   | 153             | 0.23      | 0.66  | 225 | 0.43 | 4 | 5.56        | 15.96  | PHEL  |
| 26C                | Jonca sil           | 5       | 9   | 153             | 0.66      | 1.40  | 225 | 0.43 | 4 | 15.96       | 33.86  | HEL   |
| 27C                | Knobtop sil         | 3       | 9   | 144             | 0.32      | 1.40  | 225 | 0.37 | 4 | 6.66        | 29.14  | PHEL  |
| 28C                | Lamotte sil         | 5       | 9   | 146             | 0.46      | 1.40  | 225 | 0.32 | 5 | 6.62        | 20.16  | PHEL  |
| 28D                | Lamotte sil         | 9       | 14  | 146             | 1.40      | 2.80  | 225 | 0.32 | 5 | 20.16       | 40.32  | HEL   |
| 29C                | Lebanon sil         | 3       | 9   | 175             | 0.34      | 1.60  | 225 | 0.43 | 4 | 8.22        | 38.70  | HEL   |
| 30C                | Lily-Ramsey complex |         |     |                 |           |       |     |      |   |             |        | NHEL  |
|                    | Lily loam           | 3       | 9   | 134             | 0.31      | 1.40  | 225 | 0.28 | 2 | 9.77        | 44.10  | HEL   |
|                    | Ramsey stv-sil      | 3       | 9   | 125             | 0.30      | 1.40  | 225 | 0.10 | 1 | 6.75        | 31.50  | PHEL  |
| 31A                | Loughboro sil       | 0       | 3   | 126             | 0.09      | 0.31  | 225 | 0.37 | 3 | 2.50        | 8.60   | PHEL  |
| 32A                | Midco gr-sil        | 0       | 3   | 145             | 0.09      | 0.32  | 225 | 0.28 | 5 | 1.13        | 4.03   | NHEL  |
| 33A                | Midco grv-sil       | 0       | 4   | 145             | 0.09      | 0.46  | 225 | 0.24 | 5 | 0.97        | 4.97   | NHEL  |
| 34B                | Nicholson sil       | 2       | 5   | 195             | 0.25      | 0.76  | 225 | 0.43 | 3 | 8.06        | 24.51  | HEL   |
| 37E                | Ramsey stv-sil      | 14      | 35  | 125             | 2.60      | 11.00 | 225 | 0.1  | 1 | 58.50       | 247.50 | HEL   |
| 38E                | Syenite byx-sil     | 10      | 25  | 125             | 1.60      | 6.00  | 225 | 0.28 | 4 | 25.20       | 94.50  | HEL   |
| 39A                | Wilbur sil          | 0       | 2   | 150             | 0.09      | 0.23  | 225 | 0.37 | 5 | 1.50        | 3.83   | NHEL  |
| 40C                | Wilderness gr-sil   | 5       | 9   | 125             | 0.59      | 1.40  | 225 | 0.28 | 2 | 18.59       | 44.10  | HEL   |
| 40D                | Wilderness gr-sil   | 9       | 20  | 125             | 1.40      | 4.50  | 225 | 0.28 | 2 | 44.10       | 141.75 | HEL   |

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