

Soil Correlation Of  
Barren County, Kentucky: Detailed Soil Map Legend

| HEL Class* | Frozen symbol | Frozen map unit name   | Current symbol | Current map unit name   |
|------------|---------------|--|----------------|---|
| NHEL       | BaB           | Baxter cherty silt loam, 2 to 6 percent slopes                             | BaB            | Baxter cherty silt loam, 2 to 6 percent slopes                                  |
| HEL        | BaC2          | Baxter cherty silt loam, 6 to 12 percent slopes, eroded                    | BaC2           | Baxter cherty silt loam, 6 to 12 percent slopes, eroded                         |
| HEL        | BaD2          | Baxter cherty silt loam, 12 to 20 percent slopes, eroded                   | BaD2           | Baxter cherty silt loam, 12 to 20 percent slopes, eroded                        |
| HEL        | BaE2          | Baxter cherty silt loam, 20 to 30 percent slopes, eroded                   | BaE2           | Baxter cherty silt loam, 20 to 30 percent slopes, eroded                        |
| HEL        | BcD3          | Baxter cherty silty clay loam, 12 to 20 percent slopes, severely eroded    | BcD3           | Baxter cherty silty clay loam, 12 to 20 percent slopes, severely eroded         |
| HEL        | BeD2          | Baxter very rocky silt loam, 6 to 20 percent slopes, eroded                | BeD2           | Baxter very rocky silt loam, 6 to 20 percent slopes, eroded (caneyville rocky)  |
| HEL        | BeE2          | Baxter very rocky silt loam, 20 to 30 percent slopes, eroded               | BeE2           | Baxter very rocky silt loam, 20 to 30 percent slopes, eroded (caneyville rocky) |
| HEL        | BoC           | Bodine cherty silt loam, 6 to 12 percent slopes                            | BoC            | Bodine cherty silt loam, 6 to 12 percent slopes                                 |
| HEL        | BoD           | Bodine cherty silt loam, 12 to 20 percent slopes                           | BoD            | Bodine cherty silt loam, 12 to 20 percent slopes                                |
| HEL        | BoE           | Bodine cherty silt loam, 20 to 35 percent slopes                           | BoE            | Bodine cherty silt loam, 20 to 35 percent slopes                                |
| HEL        | CaD2          | Caneyville very rocky silty clay loam, 6 to 20 percent slopes, eroded      | CaD2           | Caneyville very rocky silty clay loam, 6 to 20 percent slopes, eroded           |
| HEL        | CcD3          | Caneyville very rocky silty clay, 12 to 25 percent slopes, severely eroded | CcD3           | Caneyville very rocky silty clay, 12 to 25 percent slopes, severely eroded      |
| NHEL       | CeB           | Christian cherty loam, 2 to 6 percent slopes                               | CeB            | Christian cherty loam, 2 to 6 percent slopes                                    |
| HEL        | CeC2          | Christian cherty loam, 6 to 12 percent slopes, eroded                      | CeC2           | Christian cherty loam, 6 to 12 percent slopes, eroded                           |
| HEL        | CeD2          | Christian cherty loam, 12 to 20 percent slopes, eroded                     | CeD2           | Christian cherty loam, 12 to 20 percent slopes, eroded                          |
| HEL        | ChC3          | Christian cherty sandy clay loam, 6 to 12 percent slopes, severely eroded  | ChC3           | Christian cherty sandy clay loam, 6 to 12 percent slopes, severely eroded       |
| HEL        | ChD3          | Christian cherty sandy clay loam, 12 to 20 percent slopes, severely eroded | ChD3           | Christian cherty sandy clay loam, 12 to 20 percent slopes, severely eroded      |
| NHEL       | ClB           | Christian silt loam, 2 to 6 percent slopes                                 | ClB            | Christian silt loam, 2 to 6 percent slopes                                      |
| HEL        | ClC2          | Christian silt loam, 6 to 12 percent slopes, eroded                        | ClC2           | Christian silt loam, 6 to 12 percent slopes, eroded                             |
| HEL        | CmC3          | Christian silty clay loam, 6 to 12 percent slopes, severely eroded         | CmC3           | Christian silty clay loam, 6 to 12 percent slopes, severely eroded              |
| NHEL       | CnB           | Clarksville cherty silt loam, 2 to 6 percent slopes                        | CnB            | Clarksville cherty silt loam, 2 to 6 percent slopes (trimble)                   |
| HEL        | CnC2          | Clarksville cherty silt loam, 6 to 12 percent slopes, eroded               | CnC2           | Clarksville cherty silt loam, 6 to 12 percent slopes, eroded (trimble)          |
| HEL        | CnD2          | Clarksville cherty silt loam, 12 to 20 percent slopes, eroded              | CnD2           | Clarksville cherty silt loam, 12 to 20 percent slopes, eroded (trimble)         |
| HEL        | CnE2          | Clarksville cherty silt loam, 20 to 30 percent slopes, eroded              | CnE2           | Clarksville cherty silt loam, 20 to 30 percent slopes, eroded (trimble)         |
| NHEL       | CrB           | Crider silt loam, 2 to 6 percent slopes                                    | CrB            | Crider silt loam, 2 to 6 percent slopes   |
| HEL        | CrC2          | Crider silt loam, 6 to 12 percent slopes, eroded                           | CrC2           | Crider silt loam, 6 to 12 percent slopes, eroded                                |

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| NHEL       | CtB2          | Cumberland cherty silt loam, 2 to 6 percent slopes, eroded              | CtB2           | Cumberland cherty silt loam, 2 to 6 percent slopes, eroded (baxter)             |
| HEL        | CtC2          | Cumberland cherty silt loam, 6 to 12 percent slopes, eroded             | CtC2           | Cumberland cherty silt loam, 6 to 12 percent slopes, eroded (baxter)            |
| HEL        | CtD2          | Cumberland cherty silt loam, 12 to 20 percent slopes, eroded            | CtD2           | Cumberland cherty silt loam, 12 to 20 percent slopes, eroded (baxter)           |
| HEL        | CuC3          | Cumberland cherty silty clay, 6 to 12 percent slopes, severely eroded   | CuC3           | Cumberland cherty silty clay, 6 to 12 percent slopes, severely eroded (baxter)  |
| HEL        | CuD3          | Cumberland cherty silty clay, 12 to 20 percent slopes, severely eroded  | CuD3           | Cumberland cherty silty clay, 12 to 20 percent slopes, severely eroded (baxter) |
|            | DAM           | Dam, large  | DAM            | Dam, large  |
| NHEL       | DcA           | Dickson silt loam, 0 to 2 percent slopes                                | DcA            | Dickson silt loam, 0 to 2 percent slopes  |
| HEL        | DcB           | Dickson silt loam, 2 to 6 percent slopes                                | DcB            | Dickson silt loam, 2 to 6 percent slopes  |
| HEL        | DcC2          | Dickson silt loam, 6 to 12 percent slopes, eroded                       | DcC2           | Dickson silt loam, 6 to 12 percent slopes, eroded                               |
| NHEL       | Do            | Dowellton silt loam   | Do             | Dowellton silt loam   |
| HEL        | FdD2          | Fredonia very rocky silty clay loam, 6 to 20 percent slopes, eroded     | FdD2           | Fredonia very rocky silty clay loam, 6 to 20 percent slopes, eroded             |
| HEL        | FrC3          | Fredonia very rocky silty clay, 6 to 12 percent slopes, severely eroded | FrC3           | Fredonia very rocky silty clay, 6 to 12 percent slopes, severely eroded         |
| HEL        | GaB           | Garmon silt loam, 2 to 6 percent slopes                                 | GaB            | Garmon silt loam, 2 to 6 percent slopes   |
| HEL        | GaC2          | Garmon silt loam, 6 to 12 percent slopes, eroded                        | GaC2           | Garmon silt loam, 6 to 12 percent slopes, eroded                                |
| HEL        | GaD           | Garmon silt loam, 12 to 20 percent slopes                               | GaD            | Garmon silt loam, 12 to 20 percent slopes                                       |
| HEL        | GaE           | Garmon silt loam, 20 to 35 percent slopes                               | GaE            | Garmon silt loam, 20 to 35 percent slopes                                       |
| HEL        | GmE3          | Garmon shaly silt loam, 15 to 25 percent slopes, severely eroded        | GmE3           | Garmon shaly silt loam, 15 to 25 percent slopes, severely eroded                |
| HEL        | Gu            | Gullied land  | Gu             | Gullied land  |
| NHEL       | Ha            | Hamblen silt loam   | Ha             | Hamblen silt loam   |
| NHEL       | HuB           | Humphreys cherty silt loam, 2 to 6 percent slopes                       | HuB            | Humphreys cherty silt loam, 2 to 6 percent slopes                               |
| HEL        | HuC2          | Humphreys cherty silt loam, 6 to 12 percent slopes, eroded              | HuC2           | Humphreys cherty silt loam, 6 to 12 percent slopes, eroded                      |
|            | Ma            | Made land (pits)  | Ma             | Made land (pits)  |
| NHEL       | Me            | Melvin silt loam  | Me             | Melvin silt loam  |
| NHEL       | Mf            | Morganfield silt loam   | Mf             | Morganfield silt loam   |
| HEL        | MoB           | Mountview silt loam, 2 to 6 percent slopes                              | MoB            | Mountview silt loam, 2 to 6 percent slopes                                      |
| HEL        | MoC2          | Mountview silt loam, 6 to 12 percent slopes, eroded                     | MoC2           | Mountview silt loam, 6 to 12 percent slopes, eroded                             |
| HEL        | NdB           | Needmore silt loam, 2 to 6 percent slopes                               | NdB            | Needmore silt loam, 2 to 6 percent slopes                                       |
| HEL        | NeC2          | Needmore silty clay loam, 6 to 12 percent slopes, eroded                | NeC2           | Needmore silty clay loam, 6 to 12 percent slopes, eroded                        |

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| HEL        | NmC3          | Needmore silty clay, 6 to 12 percent slopes, severely eroded       | NmC3           | Needmore silty clay, 6 to 12 percent slopes, severely eroded                  |
| NHEL       | Nn            | Newark silt loam   | Nn             | Newark silt loam  |
| NHEL       | NoB           | Nolichucky fine sandy loam, 2 to 6 percent slopes                  | NoB            | Nolichucky fine sandy loam, 2 to 6 percent slopes (riney)                     |
| HEL        | NoC2          | Nolichucky fine sandy loam, 6 to 12 percent slopes, eroded         | NoC2           | Nolichucky fine sandy loam, 6 to 12 percent slopes, eroded (riney)            |
| NHEL       | PbB           | Pembroke silt loam, 2 to 6 percent slopes                          | PbB            | Pembroke silt loam, 2 to 6 percent slopes                                     |
| HEL        | PbC2          | Pembroke silt loam, 6 to 12 percent slopes, eroded                 | PbC2           | Pembroke silt loam, 6 to 12 percent slopes, eroded                            |
| HEL        | PeC3          | Pembroke silty clay loam, 6 to 12 percent slopes, severely eroded  | PeC3           | Pembroke silty clay loam, 6 to 12 percent slopes, severely eroded             |
| NHEL       | Rg            | Robinsonville gravelly silt loam                                   | Rg             | Robinsonville gravelly silt loam (sensabaugh)                                 |
|            | Ro            | Rock land  | Ro             | Rock land   |
| NHEL       | Rs            | Roellen silty clay loam  | Rs             | Roellen silty clay loam   |
| NHEL       | SaA           | Sango silt loam, 0 to 2 percent slopes                             | SaA            | Sango silt loam, 0 to 2 percent slopes  |
| HEL        | SaB           | Sango silt loam, 2 to 6 percent slopes                             | SaB            | Sango silt loam, 2 to 6 percent slopes  |
| NHEL       | St            | Staser silt loam   | St             | Staser silt loam  |
| NHEL       | Ta            | Taft silt loam   | Ta             | Taft silt loam  |
| HEL        | TbB2          | Talbott cherty silty clay loam, 2 to 6 percent slopes, eroded      | TbB2           | Talbott cherty silty clay loam, 2 to 6 percent slopes, eroded (vertrees)      |
| HEL        | TbC2          | Talbott cherty silty clay loam, 6 to 12 percent slopes, eroded     | TbC2           | Talbott cherty silty clay loam, 6 to 12 percent slopes, eroded (vertrees)     |
| HEL        | TbD2          | Talbott cherty silty clay loam, 12 to 20 percent slopes, eroded    | TbD2           | Talbott cherty silty clay loam, 12 to 20 percent slopes, eroded (vertrees)    |
| HEL        | TcC3          | Talbott cherty silty clay, 6 to 12 percent slopes, severely eroded | TcC3           | Talbott cherty silty clay, 6 to 12 percent slopes, severely eroded (vertrees) |
| HEL        | TlB2          | Talbott silty clay loam, 2 to 6 percent slopes, eroded             | TlB2           | Talbott silty clay loam, 2 to 6 percent slopes, eroded (vertrees)             |
| HEL        | TlC2          | Talbott silty clay loam, 6 to 12 percent slopes, eroded            | TlC2           | Talbott silty clay loam, 6 to 12 percent slopes, eroded (vertrees)            |
| HEL        | TrB           | Tarklin cherty silt loam, 2 to 6 percent slopes                    | TrB            | Tarklin cherty silt loam, 2 to 6 percent slopes                               |
| HEL        | TrC           | Tarklin cherty silt loam, 6 to 12 percent slopes                   | TrC            | Tarklin cherty silt loam, 6 to 12 percent slopes                              |
|            | W             | Water  | W              | Water   |
| HEL        | WrD           | Weikert and Ramsey stony soils, 12 to 20 percent slopes            | WrD            | Weikert and Ramsey stony soils, 12 to 20 percent slopes                       |
| HEL        | WrE           | Weikert and Ramsey stony soils, 20 to 50 percent slopes            | WrE            | Weikert and Ramsey stony soils, 20 to 50 percent slopes                       |
| HEL        | WsC           | Wellston silt loam, 6 to 12 percent slopes                         | WsC            | Wellston silt loam, 6 to 12 percent slopes                                    |
| HEL        | ZaB           | Zanesville silt loam, 2 to 6 percent slopes                        | ZaB            | Zanesville silt loam, 2 to 6 percent slopes                                   |

## HEL Class\*

HEL = Highly Erodible Land

NHEL = Not Highly Erodible Land

PHEL = Potentially Highly Erodible Land