# Hydric Soil Interpretations

Hydric soils are developed under conditions sufficiently wet to support the growth and regeneration of hydrophytic vegetation. This listing includes phases of soil series that may or may not have been drained. Some soil series, designated as hydric, have phases that are not hydric depending on water table, flooding, and ponding characteristics.

This list will have a number of agricultural and nonagricultural applications. These include assistance in land use planning, conservation planning, and assessment of potential wildlife habitat. An area that meets the hydric soil criteria must also meet the hydrophytic vegetation and wetland hydrology criteria in order for it to be classified as a jurisdictional wetland (See the "Federal Manual for Identifying and Delineating Jurisdictional Wetlands," 1989).

*This section includes:*

- **(a) Definition and Criteria of Hydric Soils**
- **(b) County list of Hydric Soils**

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HYDRIC SOILS LIST
Barton County, Missouri

| Map symbol and map unit name | Component | Hydric | Landform | Hydric criteria code | Component Acres |
|---|---|---|---|---|---|
| AkB: | | | | | |
| ASKEW FINE SANDY LOAM, 2 TO 5 PERCENT SLOPES | Askew | NO | stream terrace | | 517 |
| | Askew Silt Loam | NO DATA | --- | NO DATA | 11 |
| | Bolivar | NO DATA | --- | NO DATA | 11 |
| | Eroded Areas | NO DATA | --- | NO DATA | 11 |
| AsB: | | | | | |
| ASKEW SILT LOAM, 2 TO 5 PERCENT SLOPES | Askew | NO | stream terrace | | 1,457 |
| | Askew Fine Sandy Loam | NO DATA | --- | NO DATA | 31 |
| | Barden | NO DATA | --- | NO DATA | 31 |
| | Cherokee | NO DATA | --- | NO DATA | 31 |
| AsB2: | | | | | |
| ASKEW SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED | Askew | NO | stream terrace | | 321 |
| | Askew Fine Sandy Loam | NO DATA | --- | NO DATA | 7 |
| | Severely Eroded Areas | NO DATA | --- | NO DATA | 7 |
| | Uneroded Areas | NO DATA | --- | NO DATA | 7 |

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|---|---|---|---|---|---|
| BaB: | | | | | |
| BARCO FINE SANDY LOAM, 2 TO 5 PERCENT SLOPES | Barco | NO | ridge | | 5,460 |
| | Barco Loam | NO DATA | --- | NO DATA | 390 |
| | Barden | NO DATA | --- | NO DATA | 390 |
| | Bolivar | NO DATA | --- | NO DATA | 390 |
| | Collinsville | NO DATA | --- | NO DATA | 390 |
| | Eroded Areas | NO DATA | --- | NO DATA | 390 |
| | Slopes >5% | NO DATA | --- | NO DATA | 390 |
| BaB2: | | | | | |
| BARCO FINE SANDY LOAM, 2 TO 5 PERCENT SLOPES, ERODED | Barco | NO | ridge | | 1,955 |
| | Barco Loam | NO DATA | --- | NO DATA | 69 |
| | Collinsville | NO DATA | --- | NO DATA | 69 |
| | Uneroded Areas | NO DATA | --- | NO DATA | 69 |
| | Barden | NO DATA | --- | NO DATA | 46 |
| | Severely Eroded Areas | NO DATA | --- | NO DATA | 46 |
| | Slopes >5% | NO DATA | --- | NO DATA | 46 |

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|---|---|---|---|---|---|
| BcB: | | | | | |
| BARCO LOAM, 2 TO 5 PERCENT SLOPES | Barco | NO | ridge | | 22,050 |
| | Barden | NO DATA | --- | NO DATA | 1,890 |
| | Collinsville | NO DATA | --- | NO DATA | 1,890 |
| | Eroded Areas | NO DATA | --- | NO DATA | 1,890 |
| | Liberal | NO DATA | --- | NO DATA | 1,890 |
| | Slopes >5% | NO DATA | --- | NO DATA | 1,890 |
| BcB2: | | | | | |
| BARCO LOAM, 2 TO 5 PERCENT SLOPES, ERODED | Barco | NO | ridge | | 5,475 |
| | Uneroded Areas | NO DATA | --- | NO DATA | 511 |
| | Barden | NO DATA | --- | NO DATA | 438 |
| | Collinsville | NO DATA | --- | NO DATA | 438 |
| | Severely Eroded Areas | NO DATA | --- | NO DATA | 438 |
| BdB: | | | | | |
| BARDEN SILT LOAM, 1 TO 4 PERCENT SLOPES | Barden | NO | divide | | 48,400 |
| | Barco | NO DATA | --- | NO DATA | 4,235 |
| | Parsons | NO DATA | --- | NO DATA | 4,235 |
| | Liberal | NO DATA | --- | NO DATA | 3,630 |

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|---|---|---|---|---|---|
| BdB2: | | | | | |
| BARDEN SILT LOAM, 1 TO 4 PERCENT SLOPES, ERODED | Barden | NO | divide | | 6,300 |
| | Parsons | NO DATA | --- | NO DATA | 756 |
| | Barco | NO DATA | --- | NO DATA | 672 |
| | Liberal | NO DATA | --- | NO DATA | 672 |
| BoB: | | | | | |
| BOLIVAR FINE SANDY LOAM, 2 TO 5 PERCENT SLOPES | Bolivar | NO | ridge | | 3,680 |
| | Barco | NO DATA | --- | NO DATA | 184 |
| | Hector | NO DATA | --- | NO DATA | 184 |
| | Askew | NO DATA | --- | NO DATA | 138 |
| | Barden | NO DATA | --- | NO DATA | 138 |
| | Eroded Areas | NO DATA | --- | NO DATA | 138 |
| | Slopes >5% | NO DATA | --- | NO DATA | 138 |

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|---|---|---|---|---|---|
| BoB2: | | | | | |
| BOLIVAR FINE SANDY LOAM, 2 TO 5 PERCENT SLOPES, ERODED | Bolivar | NO | ridge | | 875 |
| | Barco | NO DATA | --- | NO DATA | 75 |
| | Barden | NO DATA | --- | NO DATA | 75 |
| | Hector | NO DATA | --- | NO DATA | 75 |
| | Severely Eroded Areas | NO DATA | --- | NO DATA | 75 |
| | Uneroded Areas | NO DATA | --- | NO DATA | 75 |
| Br: | | | | | |
| BREAKS-ALLUVIAL LAND COMPLEX | Barden | NO | scarp slope | | 7,656 |
| | Hepler | NO | flood-plain step | | 4,872 |
| | Radley | NO | flood plain | | 4,872 |
| BsB: | | | | | |
| BRONAUGH SILT LOAM, 2 TO 5 PERCENT SLOPES | Bronaugh | NO | ridge | | 828 |
| | Barco | NO DATA | --- | NO DATA | 18 |
| | Barden | NO DATA | --- | NO DATA | 18 |
| | Eroded Areas | NO DATA | --- | NO DATA | 18 |
| | Slopes >5% | NO DATA | --- | NO DATA | 18 |

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| Map symbol and map unit name | Component | Hydric | Landform | Hydric criteria code | Component Acres |
|---|---|---|---|---|---|
| Ca: | | | | | |
| CARYTOWN SILT LOAM | Carytown | YES | depression | 2B3 | 4,425 |
| | Parsons | NO DATA | --- | NO DATA | 295 |
| | Cherokee | NO DATA | --- | NO DATA | 236 |
| | Eroded Areas | NO DATA | --- | NO DATA | 236 |
| | Lanton | NO DATA | flood plain | NO DATA | 236 |
| | Stronger Slopes | NO DATA | --- | NO DATA | 236 |
| | Summit | NO DATA | --- | NO DATA | 236 |
| Ce: | | | | | |
| CHEROKEE SILT LOAM | Cherokee | NO | stream terrace | | 4,160 |
| | Askew | NO DATA | --- | NO DATA | 208 |
| | Parsons | NO DATA | --- | NO DATA | 208 |
| | Carytown | NO DATA | depression | NO DATA | 156 |
| | Dark Colored Surface Layer | NO DATA | --- | NO DATA | 156 |
| | Eroded Areas | NO DATA | --- | NO DATA | 156 |
| | Stronger Slopes | NO DATA | --- | NO DATA | 156 |

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| Map symbol and map unit name | Component | Hydric | Landform | Hydric criteria code | Component Acres |
|---|---|---|---|---|---|
| Cf: | | | | | |
| CLEORA FINE SANDY LOAM, OCCASIONALLY FLOODED | Cleora | NO | flood plain | | 1,128 |
| | Light Colored Surface Layer | NO DATA | --- | NO DATA | 24 |
| | Radley | NO DATA | --- | NO DATA | 24 |
| | Verdigris | NO DATA | --- | NO DATA | 24 |
| CoB: | | | | | |
| COLLINSVILLE FINE SANDY LOAM, 2 TO 5 PERCENT SLOPES | Collinsville | NO | hill | | 4,800 |
| | Barco | NO DATA | --- | NO DATA | 320 |
| | Barden | NO DATA | --- | NO DATA | 256 |
| | Eroded Areas | NO DATA | --- | NO DATA | 256 |
| | Hector | NO DATA | --- | NO DATA | 256 |
| | Liberal | NO DATA | --- | NO DATA | 256 |
| | Stony/rocky Areas | NO DATA | --- | NO DATA | 256 |

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|---|---|---|---|---|---|
| CoD: | | | | | |
| COLLINSVILLE FINE SANDY LOAM, 5 TO 14 PERCENT SLOPES | Collinsville | NO | hill | | 5,490 |
| | Hector | NO DATA | --- | NO DATA | 183 |
| | Stony Collinsville | NO DATA | --- | NO DATA | 183 |
| | Cleora | NO DATA | --- | NO DATA | 122 |
| | Hepler-Radley | NO DATA | --- | NO DATA | 122 |
| CrD: | | | | | |
| COLLINSVILLE STONY FINE SANDY LOAM, 2 TO 14 PERCENT SLOPES | Collinsville | NO | hill | | 3,440 |
| | Cleora | NO DATA | --- | NO DATA | 172 |
| | Collinsville Fine Sandy Loam | NO DATA | --- | NO DATA | 172 |
| | Hector | NO DATA | --- | NO DATA | 172 |
| | Hepler-Radley | NO DATA | --- | NO DATA | 172 |
| | Slopes >14% | NO DATA | --- | NO DATA | 172 |

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| Map symbol and map unit name | Component | Hydric | Landform | Hydric criteria code | Component Acres |
|---|---|---|---|---|---|
| CsB: | | | | | |
| CRELDON SILT LOAM, 1 TO 4 PERCENT SLOPES | Creldon | NO | divide | | 2,700 |
| | Parsons | NO DATA | --- | NO DATA | 90 |
| | Soils W/fragipan | NO DATA | --- | NO DATA | 90 |
| | Eroded Areas | NO DATA | --- | NO DATA | 60 |
| | Keeno | NO DATA | --- | NO DATA | 60 |
| CsB2: | | | | | |
| CRELDON SILT LOAM, 1 TO 4 PERCENT SLOPES, ERODED | Creldon | NO | divide | | 340 |
| | Cherty Creldon | NO DATA | --- | NO DATA | 11 |
| | Keeno | NO DATA | --- | NO DATA | 11 |
| | Eroded Areas | NO DATA | --- | NO DATA | 8 |
| | Severely Eroded Areas | NO DATA | --- | NO DATA | 8 |
| CtB: | | | | | |
| CRELDON SILT LOAM, DEEP, 1 TO 4 PERCENT SLOPES | Creldon | NO | divide | | 3,870 |
| | Parsons | NO DATA | --- | NO DATA | 129 |
| | Soils W/fragipan | NO DATA | --- | NO DATA | 129 |
| | Eroded Areas | NO DATA | --- | NO DATA | 86 |
| | Keeno | NO DATA | --- | NO DATA | 86 |

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|---|---|---|---|---|---|
| HcB: | | | | | |
| HECTOR FINE SANDY LOAM, 2 TO 5 PERCENT SLOPES | Hector | NO | hill | | 2,588 |
| | Bolivar | NO DATA | --- | NO DATA | 242 |
| | Collinsville | NO DATA | --- | NO DATA | 207 |
| | Eroded Areas | NO DATA | --- | NO DATA | 207 |
| | Stony Hector | NO DATA | --- | NO DATA | 207 |
| HcD: | | | | | |
| HECTOR FINE SANDY LOAM, 5 TO 14 PERCENT SLOPES | Hector | NO | hill | | 1,950 |
| | Collinsville | NO DATA | --- | NO DATA | 130 |
| | Cleora | NO DATA | --- | NO DATA | 104 |
| | Hepler | NO DATA | --- | NO DATA | 104 |
| | Radley | NO DATA | --- | NO DATA | 104 |
| | Slopes <5% | NO DATA | --- | NO DATA | 104 |
| | Stony Hector | NO DATA | --- | NO DATA | 104 |

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| Map symbol and map unit name | Component | Hydric | Landform | Hydric criteria code | Component Acres |
|---|---|---|---|---|---|
| HeD: | | | | | |
| HECTOR STONY FINE SANDY LOAM, 2 TO 14 PERCENT SLOPES | Hector | NO | hill | | 3,015 |
| | Cleora | NO DATA | --- | NO DATA | 67 |
| | Collinsville | NO DATA | --- | NO DATA | 67 |
| | Hector Fine Sandy Loam | NO DATA | --- | NO DATA | 67 |
| | Hepler-Radley | NO DATA | --- | NO DATA | 67 |
| | Slopes >14% | NO DATA | --- | NO DATA | 67 |
| HeE: | | | | | |
| HECTOR STONY FINE SANDY LOAM, 14 TO 30 PERCENT SLOPES | Hector | NO | hill | | 1,640 |
| | Cleora | NO DATA | --- | NO DATA | 144 |
| | Slopes <14% | NO DATA | --- | NO DATA | 144 |
| | Hepler-Radley | NO DATA | --- | NO DATA | 123 |
| Hm: | | | | | |
| HEPLER SILT LOAM, OCCASIONALLY FLOODED | Hepler | NO | flood-plain step | | 7,980 |
| | Cherokee | NO DATA | --- | NO DATA | 1,140 |
| | Hepler Silt Loam, Overwash | NO DATA | --- | NO DATA | 1,140 |
| | Light Colored Surface Layer | NO DATA | --- | NO DATA | 1,140 |

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|---|---|---|---|---|---|
| Hp: | | | | | |
| HEPLER SILT LOAM, OVERWASH, OCCASIONALLY FLOODED | Hepler | NO | flood-plain step | | 1,880 |
| | Hepler Silt Loam | NO DATA | --- | NO DATA | 118 |
| | Overwash Exceeds 20" | NO DATA | --- | NO DATA | 118 |
| | Radley | NO DATA | --- | NO DATA | 118 |
| | Verdigris | NO DATA | --- | NO DATA | 118 |
| Hr: | | | | | |
| HEPLER-RADLEY SILT LOAMS, OCCASIONALLY FLOODED | Hepler | NO | flood-plain step | | 4,800 |
| | Radley | NO | flood plain | | 3,360 |
| | Cleora | NO DATA | --- | NO DATA | 480 |
| | Hepler Silt Loam, Overwash | NO DATA | --- | NO DATA | 480 |
| | Verdigris | NO DATA | --- | NO DATA | 480 |
| KeC: | | | | | |
| KEENO GRAVELLY SILT LOAM, 2 TO 9 PERCENT SLOPES | Keeno | NO | ridge | | 1,575 |
| | Soils W/out Fragipan | NO DATA | --- | NO DATA | 189 |
| | Creldon | NO DATA | --- | NO DATA | 168 |
| | Keeno Stony Silt Loam | NO DATA | --- | NO DATA | 168 |

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| Map symbol and map unit name | Component | Hydric | Landform | Hydric criteria code | Component Acres |
|---|---|---|---|---|---|
| KnC: | | | | | |
| KEENO STONY SILT LOAM, 2 TO 9 PERCENT SLOPES | Keeno | NO | ridge | | 1,050 |
| | Keeno Cherty Silt Loam | NO DATA | --- | NO DATA | 126 |
| | Creldon | NO DATA | --- | NO DATA | 112 |
| | Soils W/out Fragipan | NO DATA | --- | NO DATA | 112 |
| La: | | | | | |
| LANTON SILTY CLAY LOAM, OCCASIONALLY FLOODED | Lanton | YES | flood plain | 2B3 | 201 |
| | Clayey Surface And Subsoil | NO DATA | --- | NO DATA | 10 |
| | Hepler | NO DATA | --- | NO DATA | 10 |
| | Lanton Silt Loam | NO DATA | flood plain | NO DATA | 10 |
| | Summit | NO DATA | --- | NO DATA | 10 |
| | Verdigris | NO DATA | --- | NO DATA | 10 |
| Ld: | | | | | |
| LANTON AND VERDIGRIS SILT LOAMS, OCCASIONALLY FLOODED | Lanton | YES | flood plain | 2B3 | 660 |
| | Verdigris | NO | flood plain | | 330 |
| | Lanton Silty Clay Loam | NO DATA | flood plain | NO DATA | 55 |
| | Summit | NO DATA | --- | NO DATA | 55 |

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|---|---|---|---|---|---|
| LeB: | | | | | |
| LEBANON SILT LOAM, 2 TO 5 PERCENT SLOPES | Lebanon | NO | ridge | | 788 |
| | Eroded Areas | NO DATA | --- | NO DATA | 52 |
| | Grayish Mottles In Subsoil | NO DATA | --- | NO DATA | 52 |
| | Lebanon, Cherty Silt Loam S.l. | NO DATA | --- | NO DATA | 52 |
| | Nixa | NO DATA | --- | NO DATA | 52 |
| | Slopes >5% | NO DATA | --- | NO DATA | 52 |
| LiB: | | | | | |
| LIBERAL SILT LOAM, 2 TO 6 PERCENT SLOPES | Liberal | NO | hill | | 2,310 |
| | Barco | NO DATA | --- | NO DATA | 198 |
| | Barden | NO DATA | --- | NO DATA | 198 |
| | Collinsville | NO DATA | --- | NO DATA | 198 |
| | Eroded Areas | NO DATA | --- | NO DATA | 198 |
| | Parsons | NO DATA | --- | NO DATA | 198 |

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|---|---|---|---|---|---|
| LmC2: | | | | | |
| LIBERAL SILTY CLAY LOAM, 2 TO 9 PERCENT SLOPES, ERODED | Liberal | NO | hill | | 2,775 |
| | Severely Eroded Areas | NO DATA | --- | NO DATA | 185 |
| | Collinsville | NO DATA | --- | NO DATA | 148 |
| | Gullied Areas | NO DATA | --- | NO DATA | 148 |
| | Parsons | NO DATA | --- | NO DATA | 148 |
| | Uneroded Soils | NO DATA | --- | NO DATA | 148 |
| | Wet Soils | NO DATA | fan | NO DATA | 148 |
| LoD: | | | | | |
| LIBERAL, COLLINSVILLE AND BARCO SOILS, 2 TO 14 PERCENT SLOPES | Liberal | NO | hill | | 2,546 |
| | Barco | NO | ridge | | 1,876 |
| | Collinsville | NO | hill | | 1,876 |
| | Barden | NO DATA | --- | NO DATA | 134 |
| | Hepler-Radley | NO DATA | --- | NO DATA | 134 |
| | Summit | NO DATA | --- | NO DATA | 134 |

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|---|---|---|---|---|---|
| Mp: | | | | | |
| MINE PITS AND DUMPS | Kanima | NO | hill | | 9,840 |
| | Barden | NO DATA | --- | NO DATA | 480 |
| | Liberal | NO DATA | --- | NO DATA | 480 |
| | Parsons | NO DATA | --- | NO DATA | 480 |
| | Barco | NO DATA | --- | NO DATA | 360 |
| | Collinsville | NO DATA | --- | NO DATA | 360 |
| NeB: | | | | | |
| NEWTONIA SILT LOAM, 1 TO 3 PERCENT SLOPES | Newtonia | NO | divide | | 531 |
| | Creldon | NO DATA | --- | NO DATA | 30 |
| | Eroded Areas | NO DATA | --- | NO DATA | 30 |
| NhC: | | | | | |
| NIXA GRAVELLY SILT LOAM, 2 TO 9 PERCENT SLOPES | Nixa | NO | ridge | | 1,050 |
| | Soils W/out Fragipan | NO DATA | --- | NO DATA | 126 |
| | Lebanon | NO DATA | --- | NO DATA | 112 |
| | Slopes >9% | NO DATA | --- | NO DATA | 112 |

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|---|---|---|---|---|---|
| PaA: | | | | | |
| PARSONS SILT LOAM, 0 TO 1 PERCENT SLOPES | Parsons | NO | divide | | 76,259 |
| | Barden | NO DATA | --- | NO DATA | 3,813 |
| | Liberal | NO DATA | --- | NO DATA | 3,813 |
| | Barco | NO DATA | --- | NO DATA | 2,860 |
| | Carytown | NO DATA | depression | NO DATA | 2,860 |
| | Clay Subsoil @depth >16" | NO DATA | --- | NO DATA | 2,860 |
| | Creldon | NO DATA | --- | NO DATA | 2,860 |
| PaB: | | | | | |
| PARSONS SILT LOAM, 1 TO 3 PERCENT SLOPES | Parsons | NO | divide | | 15,440 |
| | Barco | NO DATA | --- | NO DATA | 772 |
| | Barden | NO DATA | --- | NO DATA | 772 |
| | Carytown | NO DATA | depression | NO DATA | 579 |
| | Creldon | NO DATA | --- | NO DATA | 579 |
| | Liberal | NO DATA | --- | NO DATA | 579 |
| | Subsoil @depth >16" | NO DATA | --- | NO DATA | 579 |

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|---|---|---|---|---|---|
| PaB2: | | | | | |
| PARSONS SILT LOAM, 1 TO 3 PERCENT SLOPES, ERODED | Parsons | NO | divide | | 2,835 |
| | Barden | NO DATA | --- | NO DATA | 405 |
| | Severely Eroded Areas | NO DATA | --- | NO DATA | 405 |
| | Uneroded Areas | NO DATA | --- | NO DATA | 405 |
| Rv: | | | | | |
| RADLEY AND VERDIGRIS SILT LOAMS, OCCASIONALLY FLOODED | Verdigris | NO | flood plain | | 3,116 |
| | Radley | NO | flood plain | | 3,034 |
| | Cleora | NO DATA | --- | NO DATA | 738 |
| | Hepler | NO DATA | --- | NO DATA | 656 |
| | Overwash | NO DATA | --- | NO DATA | 656 |
| SuA: | | | | | |
| SUMMIT SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES | Summit | NO | divide | | 1,035 |
| | Carytown | NO DATA | depression | NO DATA | 46 |
| | Lanton | NO DATA | flood plain | NO DATA | 34 |
| | Parsons | NO DATA | --- | NO DATA | 34 |

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|---|---|---|---|---|---|
| SuB: | | | | | |
| SUMMIT SILTY CLAY LOAM, 2 TO 5 PERCENT SLOPES | Summit | NO | divide | | 1,012 |
| | Carytown | NO DATA | depression | NO DATA | 122 |
| | Barden | NO DATA | --- | NO DATA | 108 |
| | Parsons | NO DATA | --- | NO DATA | 108 |
| W: | | | | | |
| WATER, LESS THAN 40 ACRES | Water | NO DATA | --- | MISC. AREA, NO DATA | 3,050 |