

ATTACHMENT E: SOIL TABLE

Table E-1. Soils in the Project Area

| Soil Unit Number | Soil Name | Acres in Project Area | Percent of Project Area | Wind Erodibility Group | Water Erodibility K Factor | Slopes Greater Than 30% | Primary Soil Type | Bedrock or Restrictive Layer Expected at Less Than 60 in | Farmland Classification |
|------------------|---------------------------------------------------------------------|-----------------------|-------------------------|------------------------|----------------------------|-------------------------|----------------------|----------------------------------------------------------|----------------------------------|
| BmAB | Burke silt loam, 0 to 5 percent slopes | 15.42 | 0.34 | 5 | 0.49 | No | silt loam | 25in | Prime farmland if irrigated |
| BnB | Burke silt loam, shallow, 0 to 5 percent slopes | 17.26 | 0.3 | 5 | 0.64 | No | silt loam | 17in | Not prime farmland |
| EuAB | Esquatzel silt loam, 0 to 5 percent slopes | 97.38 | 2.13 | 3 | 0.55 | No | silt loam | > 80 in | Prime farmland if irrigated |
| FeC | Finley fine sandy loam, 0 to 15 percent slopes | 128.16 | 2.80 | 3 | 0.28 | No | fine sandy loam | > 80 in | Farmland of statewide importance |
| FfE | Finley stony fine sandy loam, 0 to 30 percent slopes | 359.09 | 7.85 | 5 | 0.17 | No | fine sandy loam | > 80 in | Not prime farmland |
| HeE | Hezel loamy fine sand, 0 to 30 percent slopes | 28.83 | 0.63 | 2 | 0.32 | No | loamy fine sand | > 80 in | Not prime farmland |
| KnE | Kiona very stony silt loam, 0 to 30 percent slopes | 52.55 | 1.15 | 7 | 0.20 | No | very stony silt loam | > 80 in | Not prime farmland |
| KnF | Kiona very stony silt loam, 30 to 65 percent slopes | 58.82 | 1.29 | 7 | 0.20 | Yes | very stony silt loam | > 80 in | Not prime farmland |
| ReB | Ritzville silt loam, 0 to 5 percent slopes | 766.10 | 16.75 | 5 | 0.55 | No | silt loam | > 80 in | Prime farmland if irrigated |
| ReE3 | Ritzville silt loam, 15 to 30 percent slopes, severely eroded | 49.65 | 1.09 | 5 | 0.55 | No | silt loam | > 80 in | Farmland of unique importance |
| ReF | Ritzville silt loam, 30 to 65 percent slopes | 39.36 | 0.86 | 5 | 0.55 | Yes | silt loam | > 80 in | Not prime farmland |
| ScAB | Scooteney silt loam, 0 to 5 percent slopes | 216.81 | 4.74 | 5 | 0.55 | No | silt loam | > 80 in | Prime farmland if irrigated |
| ShAB | Shano silt loam, 0 to 5 percent slopes | 0.86 | 0.02 | 5 | 0.55 | No | silt loam | > 80 in | Prime farmland if irrigated |
| SnE2 | Shano very fine sandy loam, 15 to 30 percent slopes, eroded | 16.37 | 0.36 | 3 | 0.49 | No | very fine sandy loam | > 80 in | Farmland of unique importance |
| WdAB | Warden silt loam, 0 to 5 percent slopes | 2231.30 | 48.79 | 5 | 0.43 | No | silt loam | > 80 in | Prime farmland if irrigated |
| WdE3 | Warden silt loam, 15 to 30 percent slopes, severely eroded | 359.10 | 7.85 | 5 | 0.43 | No | silt loam | > 80 in | Farmland of unique importance |
| WfC2 | Warden very fine sandy loam, 0 to 15 percent slopes | 136.04 | 2.97 | 3 | 0.49 | No | very fine sandy loam | > 80 in | Farmland of statewide importance |
| | Total | 4,573.01 | 100 | | | | | | |
| | Soil types with moderate to high water erosion potential | 3,945.65 | 86.28 | | | | | | |
| | Soils types with slopes greater than 30% | 98.18 | 2.15 | | | | | | |
| | Soils that are primarily silt loam | 3,904.61 | 85.38 | | | | | | |
| | Soils with restrictive layer reported at less than 25 inches | 32.68 | 0.71 | | | | | | |

Source: Natural Resources Conservation Services. 2022. Web Soil Survey Application: Benton County Area, Washington (WA605). Available online at: <https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>.