ATTACHMENT E: SOILS 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.