



APPENDIX 7A
Supplemental Tables

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Updated Resource Report Tables

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Summary of Vulnerable Soils by State

State	Soil Erosion Potential		USDA Prime Farmland Designation ³ (miles)	Hydric Soils ⁴ (miles)	Compaction Potential ⁵ (miles)	Shallow Soils ⁶ (miles)	Revegetation Potential ⁷ (miles)	Stony/Rocky Soils ⁸ (miles)	Droughty Soils ⁹ (miles)
	Water Erosion ¹ (miles)	WEG ² (miles)							
WV	52.19	0.00	28.61	0.23	0.00	50.51	16.55	39.75	0.00
PA	7.74	0.00	4.43	0.00	0.00	8.00	2.31	2.84	0.00
Ohio	132.57	4.04	244.55	85.76	78.44	119.91	81.21	69.73	11.40
Michigan	17.68	12.71	66.85	15.13	6.42	0.00	12.45	0.28	16.51
Total	210.18	16.75	344.44	101.12	84.86	178.42	112.52	112.60	27.91

- ¹ Water erosion potential was determined by slope and K factor values for each soil type. If soils have slopes > 5% and a K factor > 0.32 or if all slopes are greater than 15% regardless of K factor then soil erosion by water is rated as high.
- ² WEGs were obtained from the SSURGO GIS geodatabase. WEGs range from one to eight, with one being the highest potential for wind erosion, and eight the lowest. Highly wind erodible soils include those in wind erodibility groups 1 or 2.
- ³ Prime farmland soils include prime farmland and farmland of statewide importance, as designated by the NRCS. There are no farmlands of unique importance listed along the Project corridor.
- ⁴ "Urban Land" and "Udorthents" map units do not have a NRCS designated hydric soil status. These map units were considered to be non-hydric soils and are listed as "No" or "Unranked" based on SSURGO data.
- ⁵ Compaction prone includes those soils with clay loam or finer texture and a somewhat poor, poor, or very poorly drained drainage class.
- ⁶ Shallow soils are defined as <= 60 inches.
- ⁷ The ability of soils within the Project area to support successful revegetation was determined by using the revegetation potential of grasses as recorded in the SSURGO database.
- ⁸ Stony/Rocky soils include those with a cobbly, stony, bouldery, shaly, channery, very gravelly, or extremely gravelly modifier to the textural class of the surface layer and/or that have a surface layer that contains greater than 5 percent by weight rock fragments larger than 3 inches.
- ⁹ Droughty soils include those with sandy loam or coarser texture and are moderately to excessively well drained.