VOLUME IIA

APPENDIX 7A

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TABLE 7A-3 (Revised)
Summary of Soil Characteristics at the Rover Aboveground Facilities

Facility	Total Acres [1]	Prime Farmland (acres/%) [2]		Hydric Soils (acres/%) [3]		Compact Prone (acres/%) [4]		Highly Water Erodible Land (acres/%) [5]		Highly Wind Erodible Land (acres/%) [6]		Poor/Very Poor Revegetation Potential (acres/%) [7]	
		Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction
Compressor Stations													
Sherwood Compressor Station	136.09	2.47 (1.81%)	2.51 (1.85%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	11.75 (8.64%)	29.94 (22.00%)	0.00 (0.00%)	0.00 (0.00%)	3.73 (2.74%)	16.17 (11.88%)
Seneca Compressor Station	44.08	1.30 (2.94%)	3.48 (7.90%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	8.20 (18.61%)	24.79 (56.23%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)
Clarington Compressor Station	114.99	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	15.83 (13.77%)	40.08 (34.86%)	0.00 (0.00%)	0.00 (0.00%)	8.90 (7.74%)	16.98 (14.77%)
Majorsville Compressor Station	37.35	5.71 (15.30%)	8.46 (22.65%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	13.16 (35.23%)	18.69 (50.05%)	0.00 (0.00%)	0.00 (0.00%)	7.44 (19.93%)	9.35 (25.05%)
Cadiz Compressor and Meter Station	28.16	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	12.21 (43.36%)	20.40 (72.44%)	0.00 (0.00%)	0.00 (0.00%)	12.21 (43.36%)	20.65 (73.33%)
Burgettstown Compressor Station	27.22	0.00 (0.00%)	1.85 (6.79%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	5.05 (18.55%)	17.29 (63.54%)	0.00 (0.00%)	0.00 (0.00%)	5.05 (18.55%)	17.26 (63.41%)
Mainline Compressor Station 1	54.90	8.97 (16.34%)	19.15 (34.87%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	1.18 (2.16%)	3.10 (5.64%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)
Mainline Compressor Station 2	33.96	16.82 (49.53%)	18.58 (54.72%)	0.22 (0.66%)	2.69 (7.94%)	0.00 (0.00%)	0.00 (0.00%)	0.40 (1.17%)	0.71 (2.09%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)
Mainline Compressor Station 3	38.23	13.03 (34.08%)	29.03 (75.93%)	6.28 (16.44%)	13.82 (36.16%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)

TABLE 7A-3 (Revised)
Summary of Soil Characteristics at the Rover Aboveground Facilities

Facility	Total Acres [1]	Prime Farmland (acres/%) [2]		Hydric Soils (acres/%) [3]		Compact Prone (acres/%) [4]		Highly Water Erodible Land (acres/%) [5]		Highly Wind Erodible Land (acres/%) [6]		Poor/Very Poor Revegetation Potential (acres/%) [7]	
		Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction
Defiance Compressor Station	28.40	12.21 (43.00%)	18.69 (65.80%)	12.21 (43.00%)	18.69 (65.80%)	2.99 (10.53%)	3.24 (11.43%)	0.00 (0.00%)	0.00 (0.00%)	0.35 (1.22%)	0.45 (1.58%)	12.21 (43.00%)	18.69 (65.80%)
Subtotal	*543.37*	*60.51 (11.14%)*	*101.74 (18.72%)*	*18.72 (3.45%)*	*35.20 (6.48%)*	*2.99 (0.55%)*	*3.24 (0.60%)*	*67.79 (12.48%)*	*155.01 (28.53%)*	*0.35 (0.06%)*	*0.45 (0.08%)*	*49.55 (9.12%)*	*99.10 (18.24%)*
Meter Stations													
CGT Meter Station	1.85	1.30 (69.99%)	1.58 (84.98%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.11 (6.08%)	0.13 (6.80%)	0.00 (0.00%)	0.00 (0.00%)	0.11 (6.08%)	0.13 (6.80%)
Hall Meter Station	1.75	0.55 (31.43%)	1.23 (70.30%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.14 (7.93%)	0.52 (29.70%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.13%)
Gulfport Meter Station	1.21	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	1.11 (91.90%)	1.11 (91.90%)	0.00 (0.00%)	0.00 (0.00%)	0.10 (7.93%)	0.10 (7.93%)
Berne Meter Station	6.30	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	1.03 (16.40%)	6.30 (100.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)
Majorsville Meter Station	4.00	0.66 (16.42%)	2.31 (57.85%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.93 (23.15%)	3.89 (97.38%)	0.00 (0.00%)	0.00 (0.00%)	0.27 (6.73%)	1.23 (30.77%)
ANR Meter Station	12.79	4.59 (35.85%)	8.70 (68.04%)	4.59 (35.85%)	8.70 (68.04%)	1.15 (9.02%)	3.40 (26.57%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	3.43 (26.83%)	5.30 (41.47%)
Consumers Meter Station	4.58	4.58 (100.00%)	4.58 (100.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)
Vector Meter Station	9.62	6.04 (62.85%)	6.04 (62.85%)	0.00 (0.00%)	0.00 (0.00%)	6.04 (62.85%)	6.04 (62.85%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	2.36 (24.51%)	2.36 (24.51%)
Subtotal	*42.10*	*17.72 (42.09%)*	*24.45 (58.07%)*	*4.59 (10.89%)*	*8.70 (20.67%)*	*7.20 (17.10%)*	*9.44 (22.43%)*	*3.32 (7.88%)*	*11.95 (28.38%)*	*0.00 (0.00%)*	*0.00 (0.00%)*	*6.27 (14.89%)*	*9.11 (21.65%)*

TABLE 7A-3 (Revised)
Summary of Soil Characteristics at the Rover Aboveground Facilities

Facility	Total Acres [1]	Prime Farmland (acres/%) [2]		Hydric Soils (acres/%) [3]		Compact Prone (acres/%) [4]		Highly Water Erodible Land (acres/%) [5]		Highly Wind Erodible Land (acres/%) [6]		Poor/Very Poor Revegetation Potential (acres/%) [7]	
		Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction
Tie-In Sites													
CGT Tie-In	0.40	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.12 (31.32%)	0.12 (31.32%)	0.00 (0.00%)	0.00 (0.00%)	0.12 (31.32%)	0.12 (31.32%)
Sherwood Tie-In	1.91	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	1.25 (65.34%)	1.25 (65.34%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)
Majorsville Tie In	4.13	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	4.05 (98.01%)	4.05 (98.01%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)
Cadiz Tie-In	4.01	1.22 (30.30%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)
Mainline B Receiver Site	1.16	1.04 (89.47%)	1.04 (89.47%)	1.04 (89.47%)	1.04 (89.47%)	1.04 (89.47%)	1.04 (89.47%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	1.04 (89.47%)	1.04 (89.47%)
Subtotal	*11.62*	*2.26 (19.43%)*	*1.04 (8.97%)*	*1.04 (8.97%)*	*1.04 (8.97%)*	*1.04 (8.97%)*	*1.04 (8.97%)*	*5.42 (46.68%)*	*5.42 (46.68%)*	*0.00 (0.00%)*	*0.00 (0.00%)*	*1.17 (10.04%)*	*1.17 (10.04%)*
Total	**597.08**	**80.48 (13.48%)**	**127.23 (21.31%)**	**24.35 (4.08%)**	**44.95 (7.53%)**	**11.23 (1.88%)**	**13.73 (2.30%)**	**76.53 (12.82%)**	**172.37 (28.87%)**	**0.35 (0.06%)**	**0.45 (0.08%)**	**56.98 (9.54%)**	**109.39 (18.32%)**

1 Percentages reflect impact acres divided by total acres.
2 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.
3 "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.
4 Compaction Prone includes those soils with clay loam or finer texture and a somewhat poor, poor, or very poorly drained drainage class.
5 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.
6 Wind Erodibility Groups (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 WEGs 1 or 2.
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.

TABLE 7A-4 (Revised)
Summary of Soil Characteristics Affected by Construction and Operation of the Rover Pipelines

Facility	Workspace	Slopes 8-25% (acres/%)	Slopes > 25% (acres/%)	Soil Water Erosion Potential (acres/%) [1]	Soil Wind Erosion Potential (acres/%) [2]	USDA Prime Farmland Designation (acres/%) [3]	Hydric Soils (acres/%) [4]	Compact Prone (acres/%) [5]	Shallow Soils (acres/%) [6]	Poor/Very Poor Revegetation Potential (acres/%) [7]	Stony/ Rocky Soils (acres/%) [8]	Droughty Soils (acres/%) [9]
Supply Laterals												
Sherwood Lateral	Permanent	105.34 (36.24%)	164.03 (34.73%)	271.58 (35.28%)	1.11 (37.92%)	124.25 (36.42%)	1.12 (47.51%)	0.00 (0.00%)	281.65 (35.28%)	80.00 (34.47%)	92.22 (33.61%)	0.00 (0.00%)
	Temporary	185.36 (63.76%)	308.27 (65.27%)	498.17 (64.72%)	1.81 (62.08%)	216.89 (63.58%)	1.23 (52.49%)	0.00 (0.00%)	516.59 (64.72%)	152.08 (65.53%)	182.19 (66.39%)	0.00 (0.00%)
Subtotal Sherwood Lateral		*290.71 (16.87%)*	*472.30 (30.76%)*	*769.75 (22.42%)*	*2.92 (0.88%)*	*341.14 (5.75%)*	*2.35 (0.13%)*	*0.00 (0.00%)*	*798.24 (27.46%)*	*232.08 (12.19%)*	*274.41 (19.08%)*	*0.00 (0.00%)*
CGT Lateral	Permanent	9.22 (54.91%)	24.27 (48.63%)	33.37 (50.16%)	0.00 (0.00%)	9.97 (54.63%)	0.00 (0.00%)	0.00 (0.00%)	32.91 (50.07%)	5.75 (36.59%)	0.00 (0.00%)	0.00 (0.00%)
	Temporary	7.57 (45.09%)	25.64 (51.37%)	33.16 (49.84%)	0.00 (0.00%)	8.28 (45.37%)	0.00 (0.00%)	0.00 (0.00%)	32.83 (49.93%)	9.97 (63.41%)	0.00 (0.00%)	0.00 (0.00%)
Subtotal CGT Lateral		*16.79 (0.97%)*	*49.91 (3.25%)*	*66.52 (1.94%)*	*0.00 (0.00%)*	*18.25 (0.31%)*	*0.00 (0.00%)*	*0.00 (0.00%)*	*65.74 (2.26%)*	*15.72 (0.83%)*	*0.00 (0.00%)*	*0.00 (0.00%)*
Seneca Lateral	Permanent	27.23 (35.08%)	101.32 (35.33%)	129.08 (35.21%)	0.00 (0.00%)	9.41 (34.51%)	0.00 (0.00%)	0.00 (0.00%)	146.16 (35.06%)	32.68 (35.35%)	91.29 (34.74%)	0.00 (0.00%)
	Temporary	50.40 (64.92%)	185.49 (64.67%)	237.51 (64.79%)	0.05 (100.00%)	17.85 (65.49%)	0.00 (0.00%)	0.00 (0.00%)	270.74 (64.94%)	59.77 (64.65%)	171.49 (65.26%)	0.00 (0.00%)
Subtotal Seneca Lateral		*77.63 (4.50%)*	*286.80 (18.68%)*	*366.59 (10.68%)*	*0.05 (0.02%)*	*27.26 (0.46%)*	*0.00 (0.00%)*	*0.00 (0.00%)*	*416.90 (14.34%)*	*92.44 (4.85%)*	*262.78 (18.27%)*	*0.00 (0.00%)*
Berne Lateral	Permanent	2.86 (44.73%)	21.72 (47.84%)	25.39 (47.58%)	0.00 (0.00%)	1.65 (58.02%)	0.00 (0.00%)	0.00 (0.00%)	23.22 (47.11%)	7.60 (43.73%)	4.19 (45.81%)	0.00 (0.00%)
	Temporary	3.53 (55.27%)	23.68 (52.16%)	27.97 (52.42%)	0.00 (0.00%)	1.19 (41.98%)	0.00 (0.00%)	0.00 (0.00%)	26.07 (52.89%)	9.78 (56.27%)	4.95 (54.19%)	0.00 (0.00%)
Subotal Berne Lateral		*6.39 (0.37%)*	*45.40 (2.96%)*	*53.35 (1.55%)*	*0.00 (0.00%)*	*2.84 (0.05%)*	*0.00 (0.00%)*	*0.00 (0.00%)*	*49.29 (1.70%)*	*17.39 (0.91%)*	*9.14 (0.64%)*	*0.00 (0.00%)*
Clarington Lateral	Permanent	94.37 (34.51%)	57.64 (33.84%)	135.66 (34.27%)	5.63 (47.11%)	32.55 (34.96%)	0.24 (46.67%)	0.00 (0.00%)	127.39 (34.62%)	47.62 (33.47%)	85.30 (34.51%)	2.04 (36.77%)
	Temporary	179.08 (65.49%)	112.68 (66.16%)	260.24 (65.73%)	6.32 (52.89%)	60.58 (65.04%)	0.27 (53.33%)	0.00 (0.00%)	240.54 (65.38%)	94.63 (66.53%)	161.88 (65.49%)	3.51 (63.23%)
Subtotal Clarington Lateral		273.45 (15.86%)	170.31 (11.09%)	395.89 (11.53%)	11.95 (3.58%)	93.13 (1.57%)	0.51 (0.03%)	0.00 (0.00%)	367.93 (12.66%)	142.25 (7.47%)	247.18 (17.19%)	5.56 (1.22%)

TABLE 7A-4 (Revised)
Summary of Soil Characteristics Affected by Construction and Operation of the Rover Pipelines

Facility	Workspace	Slopes 8-25% (acres/%)	Slopes > 25% (acres/%)	Soil Water Erosion Potential (acres/%) [1]	Soil Wind Erosion Potential (acres/%) [2]	USDA Prime Farmland Designation (acres/%) [3]	Hydric Soils (acres/%) [4]	Compact Prone (acres/%) [5]	Shallow Soils (acres/%) [6]	Poor/Very Poor Revegetation Potential (acres/%) [7]	Stony/ Rocky Soils (acres/%) [8]	Droughty Soils (acres/%) [9]
Majorsville Lateral	Permanent	61.04 (53.15%)	72.39 (52.98%)	131.21 (53.17%)	2.83 (67.25%)	35.28 (53.57%)	0.00 (0.00%)	0.00 (0.00%)	128.35 (52.77%)	45.89 (53.15%)	78.92 (53.11%)	0.64 (56.84%)
	Temporary	53.80 (46.85%)	64.25 (47.02%)	115.58 (46.83%)	1.38 (32.75%)	30.58 (46.43%)	0.00 (0.00%)	0.00 (0.00%)	114.87 (47.23%)	40.45 (46.85%)	69.69 (46.89%)	0.49 (43.16%)
Subtotal Majorsville Lateral		*114.84 (6.66%)*	*136.64 (8.90%)*	*246.79 (7.19%)*	*4.21 (1.26%)*	*65.85 (1.11%)*	*0.00 (0.00%)*	*0.00 (0.00%)*	*243.23 (8.37%)*	*86.34 (4.53%)*	*148.61 (10.33%)*	*1.13 (0.25%)*
Cadiz Lateral	Permanent	7.35 (36.26%)	7.84 (32.42%)	11.26 (32.75%)	0.00 (0.00%)	9.10 (35.64%)	0.00 (0.00%)	0.00 (0.00%)	5.12 (33.76%)	6.17 (33.46%)	7.41 (33.77%)	1.24 (35.40%)
	Temporary	12.92 (63.74%)	16.35 (67.58%)	23.13 (67.25%)	0.00 (0.00%)	16.43 (64.36%)	0.00 (0.00%)	0.00 (0.00%)	10.05 (66.24%)	12.27 (66.54%)	14.53 (66.23%)	2.27 (64.60%)
Subtotal Cadiz Lateral		*20.27 (1.18%)*	*24.19 (1.58%)*	*34.39 (1.00%)*	*0.00 (0.00%)*	*25.53 (0.43%)*	*0.00 (0.00%)*	*0.00 (0.00%)*	*15.17 (0.52%)*	*18.44 (0.97%)*	*21.95 (1.53%)*	*3.51 (0.77%)*
Burgettstown Lateral	Permanent	187.12 (36.20%)	64.78 (39.29%)	205.44 (36.64%)	2.22 (57.04%)	191.20 (36.45%)	1.56 (35.21%)	1.56 (35.21%)	209.66 (37.03%)	39.83 (38.99%)	108.49 (36.91%)	45.04 (35.82%)
	Temporary	329.74 (63.80%)	100.08 (60.71%)	355.21 (63.36%)	1.67 (42.96%)	333.36 (63.55%)	2.87 (64.79%)	2.87 (64.79%)	356.52 (62.97%)	62.33 (61.01%)	185.42 (63.09%)	80.71 (64.18%)
Subtotal Burgettstown Lateral		*516.87 (29.99%)*	*164.86 (10.74%)*	*560.66 (16.33%)*	*3.89 (1.17%)*	*524.56 (8.85%)*	*4.43 (0.25%)*	*4.43 (0.30%)*	*566.18 (19.48%)*	*102.16 (5.36%)*	*293.91 (20.44%)*	*125.74 (27.52%)*
Supply Connector	Permanent	55.83 (43.50%)	40.31 (43.76%)	89.22 (43.41%)	0.00 (0.00%)	77.23 (42.94%)	0.00 (0.00%)	4.15 (42.51%)	82.69 (43.46%)	14.52 (43.53%)	27.74 (42.54%)	0.22 (60.22%)
	Temporary	72.50 (56.50%)	51.81 (56.24%)	116.29 (56.59%)	0.00 (0.00%)	102.63 (57.06%)	0.00 (0.00%)	5.62 (57.49%)	107.56 (56.54%)	18.84 (56.47%)	37.47 (57.46%)	0.14 (39.78%)
Subtotal Supply Connector		*128.33 (7.45%)*	*92.11 (6.00%)*	*205.52 (5.99%)*	*0.00 (0.00%)*	*179.86 (3.03%)*	*0.00 (0.00%)*	*9.77 (0.66%)*	*190.25 (6.54%)*	*33.36 (1.75%)*	*65.20 (4.53%)*	*0.36 (0.08%)*
Mainlines												
Mainline	Permanent	87.56 (42.53%)	36.27 (43.85%)	192.05 (42.39%)	30.58 (43.65%)	1,237.75 (40.86%)	475.11 (40.16%)	440.13 (40.04%)	82.23 (42.32%)	356.43 (40.25%)	46.34 (42.26%)	15.65 (41.44%)
	Temporary	118.32 (57.47%)	46.44 (56.15%)	260.96 (57.61%)	39.48 (56.35%)	1,791.73 (59.14%)	707.88 (59.84%)	659.22 (59.96%)	112.07 (57.68%)	529.18 (59.75%)	63.31 (57.74%)	22.11 (58.56%)
Mainline Subtotal		*205.88 (11.94%)*	*82.70 (5.39%)*	*453.01 (13.20%)*	*70.06 (21.01%)*	*3,029.48 (51.10%)*	*1,182.99 (67.81%)*	*1,099.34 (74.03%)*	*194.29 (6.68%)*	*885.61 (46.50%)*	*109.65 (7.62%)*	*37.76 (8.26%)*

TABLE 7A-4 (Revised)
Summary of Soil Characteristics Affected by Construction and Operation of the Rover Pipelines

Facility	Workspace	Slopes 8-25% (acres/%)	Slopes > 25% (acres/%)	Soil Water Erosion Potential (acres/%) [1]	Soil Wind Erosion Potential (acres/%) [2]	USDA Prime Farmland Designation (acres/%) [3]	Hydric Soils (acres/%) [4]	Compact Prone (acres/%) [5]	Shallow Soils (acres/%) [6]	Poor/Very Poor Revegetation Potential (acres/%) [7]	Stony/ Rocky Soils (acres/%) [8]	Droughty Soils (acres/%) [9]
Market Segment	Permanent	27.79 (38.34%)	3.36 (33.49%)	102.41 (36.54%)	92.46 (38.45%)	570.26 (35.19%)	197.40 (35.62%)	126.44 (34.04%)	0.00 (0.00%)	103.08 (36.97%)	1.77 (33.38%)	105.24 (37.21%)
	Temporary	44.70 (61.66%)	6.67 (66.51%)	177.87 (63.46%)	148.00 (61.55%)	1,050.19 (64.81%)	356.77 (64.38%)	245.00 (65.96%)	0.00 (0.00%)	175.70 (63.03%)	3.54 (66.62%)	177.59 (62.79%)
Market Segment Subtotal		72.48 (4.21%)	10.03 (0.65%)	280.27 (8.16%)	240.46 (72.09%)	1,620.45 (27.33%)	554.18 (31.77%)	371.44 (25.01%)	0.00 (0.00%)	278.78 (14.64%)	5.31 (0.37%)	282.84 (61.91%)
Grand Total		**1,723.63 (100.00%)**	**1,535.26 (100.00%)**	**3,432.74 (100.00%)**	**333.53 (100.00%)**	**5,928.32 (100.00%)**	**1,744.45 (100.00%)**	**1,484.99 (100.00%)**	**2,907.21 (100.00%)**	**1,904.56 (100.00%)**	**1,438.12 (100.00%)**	**456.88 (100.00%)**

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 WEGs 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 potential includes those soils with clay loam or finer texture and a somewhat poor, poor, or very poorly drained drainage class.
6 Shallow soils are those soils that have bedrock less than 60 inches, as recorded in the SSURGO database.
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 cobbley, 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).

TABLE 7A-8 (Revised)
Summary of Vulnerable Soils by State

State	Soil Erosion Potential		USDA Prime Farmland Designation c/ (miles)	Hydric Soils d/ (miles)	Compaction Potential e/ (miles)	Shallow Soils f/ (miles)	Revegetation Potential g/ (miles)	Stony/Rocky Soils h/ (miles)	Droughty Soils i/ (miles)
	Water Erosion a/ (miles)	WEG b/ (miles)							
West Virginia	52.19	0.00	28.61	0.23	0.00	50.51	16.55	39.75	0.00
Pennsylvania	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***

a/ 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.
b/ 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.
c/ 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.
d/ "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.
e/ Compaction prone includes those soils with clay loam or finer texture and a somewhat poor, poor, or very poorly drained drainage class.
f/ Shallow soils are defined as <= 60 inches.
g/ The ability of soils within the Project area to support successful revegetation was determined by using the revegation potential of grasses as recorded in the SSURGO database.
h/ Stony/Rocky soils include those with a cobbley, 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.
i/ Droughty soils include those with sandy loam or coarser texture and are moderately to excessively well drained.