

VOLUME IIA

APPENDIX 7A

Updated Table – July 2015

Table 7A-5 Summary of Soil Types Crossed by Access Roads 1



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Facility	Total Miles ¹	Prime Farmland (miles/%) ²		Hydric Soils (miles/%) ³		Compact Prone (miles/%) ⁴		Highly Water Erodible Land (miles/%) ⁵		Highly Wind Erodible Land (miles/%) ⁶		Poor/Very Poor Revegetation Potential (miles/%) ⁷	
		Permanent Access Roads	Temporary Access Roads	Permanent Access Roads	Temporary Access Roads	Permanent Access Roads	Temporary Access Roads	Permanent Access Roads	Temporary Access Roads	Permanent Access Roads	Temporary Access Roads	Permanent Access Roads	Temporary Access Roads
Supply Laterals													
Sherwood Lateral	29.99	1.24 (4.13%)	11.69 (38.98%)	0.00 (0.00%)	0.03 (0.10%)	0.00 (0.00%)	0.00 (0.00%)	2.18 (7.27%)	23.39 (77.99%)	0.00 (0.00%)	0.00 (0.00%)	0.22 (0.73%)	6.85 (22.84%)
CGT Lateral	4.59	0.00 (0.00%)	1.41 (30.72%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	2.66 (57.95%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	1.95 (42.48%)
Seneca Lateral	11.48	0.00 (0.00%)	1.54 (13.41%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	6.90 (60.10%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.68 (5.92%)
Clarrington Lateral	0.06	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.06 (100.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)
Majorsville Lateral	14.19	1.18 (8.32%)	2.64 (18.60%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.86 (6.06%)	8.06 (56.80%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.05 (0.35%)	1.80 (12.68%)
Burgettstown Lateral	13.79	0.29 (2.10%)	5.44 (39.45%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.81 (5.87%)	11.89 (86.22%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.06 (0.44%)	2.45 (17.77%)
Cadiz Lateral	2.12	0.99 (46.70%)	0.05 (2.36%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.83 (39.15%)	0.48 (22.64%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.20 (9.43%)	0.48 (22.64%)
Burgettstown Lateral	3.45	0.22 (6.38%)	2.05 (59.42%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.34 (9.86%)	2.18 (63.19%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.07 (2.03%)	0.02 (0.58%)
Subtotal	79.67	3.92 (4.92%)	24.82 (31.15%)	0.00 (0.00%)	0.03 (0.04%)	0.00 (0.00%)	5.08 (6.38%)	55.56 (69.74%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.60 (0.75%)	14.23 (17.86%)



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	Permanent	Temporary	Permanent	Temporary	Permanent	Temporary	Permanent	Temporary	Permanent	Temporary	Permanent	Temporary	Permanent	Temporary
Mainlines														
Mainline	1.89	0.47	1.06	0.15	0.07	0.15	0.06	0.06	0.22	0.00	0.00	0.08	0.11	0.11
Market Segment	5.17	3.74	1.00	0.06	0.88	0.06	0.70	0.70	1.22	0.03	0.46	0.04	1.26	1.26
Subtotal	7.06	4.21	2.06	0.21	0.95	0.21	0.76	0.76	1.44	0.03	0.46	0.12	1.37	1.37
Total	86.73	29.03	5.98	0.21	0.98	0.21	0.76	0.76	57.00	0.03	0.52	0.72	15.60	15.60

1 Percentages reflect length of impact divided by total miles of access road associated with pipeline facility.
 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 Compact 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.