

Appendix M

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
AP-1													
Highland County, VA													
83.92	83.94	44C	37%	Madsheep	0.01	N	N	N	Y	N	Y	Y	Lithic
			63%	Paddyknob	0.02	N	N	N	Y	N	Y	Y	Lithic
83.94	84.00	32G	100%	Madsheep	0.08	N	N	N	Y	N	Y	Y	Lithic
84.00	84.02	55G	18%	Rough	0.01	N	N	N	Y	N	Y	Y	Lithic
			35%	Berks	0.01	N	N	N	Y	N	Y	Y	Lithic
			47%	Weikert	0.02	N	N	N	Y	N	Y	Y	Lithic
84.02	84.20	53F	44%	Berks	0.11	N	N	N	Y	N	Y	Y	Lithic
			56%	Weikert	0.14	N	N	N	Y	N	Y	Y	Lithic
84.20	84.21	55G	18%	Rough	<0.01	N	N	N	Y	N	Y	Y	Lithic
			35%	Berks	0.01	N	N	N	Y	N	Y	Y	Lithic
			47%	Weikert	0.01	N	N	N	Y	N	Y	Y	Lithic
84.21	84.36	53F	44%	Berks	0.09	N	N	N	Y	N	Y	Y	Lithic
			56%	Weikert	0.12	N	N	N	Y	N	Y	Y	Lithic
84.36	84.69	6E	26%	Weikert	0.12	N	N	N	Y	N	Y	Y	Lithic
			74%	Berks	0.33	N	N	N	Y	N	Y	Y	Lithic
84.69	84.81	53F	44%	Berks	0.07	N	N	N	Y	N	Y	Y	Lithic
			56%	Weikert	0.09	N	N	N	Y	N	Y	Y	Lithic
84.81	84.90	48F	26%	Berks	0.03	N	N	N	Y	N	Y	Y	Lithic
			74%	Shelocta	0.08	N	N	N	Y	N	Y	Y	N
84.90	84.94	31F	39%	Berks	0.02	N	N	N	Y	N	Y	Y	Lithic
			61%	Macove	0.03	N	N	N	Y	N	Y	Y	N
84.94	84.97	29C	100%	Macove	0.04	N	N	N	Y	N	Y	Y	N
84.97	84.98	29E	100%	Macove	0.01	N	N	N	Y	N	Y	Y	N
84.98	85.09	55G	18%	Rough	0.03	N	N	N	Y	N	Y	Y	Lithic
			35%	Berks	0.05	N	N	N	Y	N	Y	Y	Lithic
			47%	Weikert	0.07	N	N	N	Y	N	Y	Y	Lithic
85.09	85.12	29C	100%	Macove	0.03	N	N	N	Y	N	Y	Y	N
85.12	85.21	55G	18%	Rough	0.02	N	N	N	Y	N	Y	Y	Lithic
			35%	Berks	0.04	N	N	N	Y	N	Y	Y	Lithic
			47%	Weikert	0.05	N	N	N	Y	N	Y	Y	Lithic
85.21	85.26	48E	25%	Berks	0.02	N	N	N	Y	N	Y	Y	Lithic
			75%	Shelocta	0.05	N	N	N	Y	N	Y	Y	N
85.26	85.35	55G	18%	Rough	0.02	N	N	N	Y	N	Y	Y	Lithic
			35%	Berks	0.04	N	N	N	Y	N	Y	Y	Lithic
			47%	Weikert	0.06	N	N	N	Y	N	Y	Y	Lithic
85.35	85.36	31F	39%	Berks	<0.01	N	N	N	Y	N	Y	Y	Lithic
			61%	Macove	<0.01	N	N	N	Y	N	Y	Y	N
85.36	85.47	29C	100%	Macove	0.15	N	N	N	Y	N	Y	Y	N
85.47	85.76	55G	18%	Rough	0.07	N	N	N	Y	N	Y	Y	Lithic

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
85.76	86.27	53F	35%	Berks	0.14	N	N	N	Y	N	Y	Y	Lithic
			47%	Weikert	0.18	N	N	N	Y	N	Y	Y	Lithic
			44%	Berks	0.32	N	N	N	Y	N	Y	Y	Lithic
86.27	86.32	55G	56%	Weikert	0.40	N	N	N	Y	N	Y	Y	Lithic
			18%	Rough	0.01	N	N	N	Y	N	Y	Y	Lithic
			35%	Berks	0.02	N	N	N	Y	N	Y	Y	Lithic
86.32	86.58	53F	47%	Weikert	0.03	N	N	N	Y	N	Y	Y	Lithic
			44%	Berks	0.16	N	N	N	Y	N	Y	Y	Lithic
			56%	Weikert	0.20	N	N	N	Y	N	Y	Y	Lithic
86.58	86.58	55G	18%	Rough	<0.01	N	N	N	Y	N	Y	Y	Lithic
			35%	Berks	<0.01	N	N	N	Y	N	Y	Y	Lithic
			47%	Weikert	0.01	N	N	N	Y	N	Y	Y	Lithic
86.58	86.87	53F	44%	Berks	0.17	N	N	N	Y	N	Y	Y	Lithic
			56%	Weikert	0.22	N	N	N	Y	N	Y	Y	Lithic
			44%	Berks	0.02	N	N	N	Y	N	Y	Y	Lithic
86.87	86.90	53F	56%	Weikert	0.03	N	N	N	Y	N	Y	Y	Lithic
			44%	Berks	0.02	N	N	N	Y	N	Y	Y	Lithic
			56%	Weikert	0.03	N	N	N	Y	N	Y	Y	Lithic
86.90	87.13	55G	18%	Rough	0.06	N	N	N	Y	N	Y	Y	Lithic
			35%	Berks	0.11	N	N	N	Y	N	Y	Y	Lithic
			47%	Weikert	0.15	N	N	N	Y	N	Y	Y	Lithic
87.13	87.15	38B	100%	Nicelytown	0.03	Prime	N	N	N	N	N	N	N
87.15	87.18	1A	100%	Alonzville	0.03	Prime	N	N	N	N	N	N	N
87.18	87.22	39A	100%	Ogles	0.05	N	N	N	N	N	N	Y	N
87.22	87.23	W	100%	Water	0.01	N	N	N	N	N	N	N	N
87.23	87.25	39A	100%	Ogles	0.03	N	N	N	N	N	N	Y	N
87.25	87.37	40C	100%	Oriskany	0.14	N	N	N	Y	N	Y	Y	N
87.37	87.48	12F	24%	Lily	0.03	N	N	N	Y	N	Y	N	Lithic
87.48	87.62	26F	76%	Dekalb	0.10	N	N	N	Y	N	Y	Y	Lithic
			47%	Berks	0.08	N	N	N	Y	N	Y	Y	Lithic
			53%	Lehew	0.09	N	N	N	Y	N	Y	Y	Lithic
87.62	87.87	26E	47%	Berks	0.14	N	N	N	Y	N	Y	Y	Lithic
			53%	Lehew	0.16	N	N	N	Y	N	Y	Y	Lithic
			47%	Berks	0.04	N	N	N	Y	N	Y	Y	Lithic
87.87	87.94	26F	53%	Lehew	0.04	N	N	N	Y	N	Y	Y	Lithic
			47%	Berks	0.04	N	N	N	Y	N	Y	Y	Lithic
			53%	Lehew	0.05	N	N	N	Y	N	Y	Y	Lithic
87.94	88.02	26E	47%	Berks	0.05	N	N	N	Y	N	Y	Y	Lithic
			53%	Lehew	0.05	N	N	N	Y	N	Y	Y	Lithic
			47%	Berks	0.04	N	N	N	Y	N	Y	Y	Lithic
88.02	88.08	26F	53%	Lehew	0.04	N	N	N	Y	N	Y	Y	Lithic
			47%	Berks	0.04	N	N	N	Y	N	Y	Y	Lithic
			53%	Lehew	0.04	N	N	N	Y	N	Y	Y	Lithic
88.08	88.16	26E	47%	Berks	0.04	N	N	N	Y	N	Y	Y	Lithic
			53%	Lehew	0.05	N	N	N	Y	N	Y	Y	Lithic
			47%	Berks	0.06	N	N	N	Y	N	Y	Y	Lithic
88.16	88.26	26F	53%	Lehew	0.07	N	N	N	Y	N	Y	Y	Lithic
			47%	Berks	0.06	N	N	N	Y	N	Y	Y	Lithic
			53%	Lehew	0.07	N	N	N	Y	N	Y	Y	Lithic
88.26	88.31	5F	100%	Berks	0.07	N	N	N	Y	N	Y	Y	Lithic
88.31	88.44	20F	44%	Poplimento	0.08	N	N	N	Y	N	Y	N	N
			56%	Faywood	0.10	N	N	N	Y	N	Y	N	Lithic

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
88.44	88.53	37C	100%	Murrill	0.13	State	N	N	Y	N	Y	Y	N
88.53	88.56	42C	39%	Murrill	0.02	N	N	N	Y	N	Y	Y	N
			61%	Oriskany	0.02	N	N	N	Y	N	Y	Y	N
88.56	88.73	8E	100%	Caneyville	0.26	N	N	N	Y	N	Y	N	Lithic
88.73	88.79	20E	44%	Poplimento	0.04	N	N	N	Y	N	Y	N	N
			56%	Faywood	0.05	N	N	N	Y	N	Y	N	Lithic
88.79	88.83	42E	39%	Murrill	0.02	N	N	N	Y	N	Y	Y	N
			61%	Oriskany	0.04	N	N	N	Y	N	Y	Y	N
88.83	88.87	20E	44%	Poplimento	0.03	N	N	N	Y	N	Y	N	N
			56%	Faywood	0.03	N	N	N	Y	N	Y	N	Lithic
88.87	89.21	36E	100%	Murrill	0.51	N	N	N	Y	N	Y	Y	N
89.21	89.35	5F	100%	Berks	0.22	N	N	N	Y	N	Y	Y	Lithic
89.35	89.39	27G	11%	Rock outcrop	0.01	N	N	N	N	N	N	N	Lithic
			42%	Berks	0.03	N	N	N	Y	N	Y	Y	Lithic
			47%	Lehew	0.03	N	N	N	Y	N	Y	Y	Lithic
89.39	89.69	44E	39%	Madsheep	0.18	N	N	N	Y	N	Y	Y	Lithic
			61%	Paddyknob	0.29	N	N	N	Y	N	Y	Y	Lithic
89.69	89.74	26F	47%	Berks	0.04	N	N	N	Y	N	Y	Y	Lithic
			53%	Lehew	0.05	N	N	N	Y	N	Y	Y	Lithic
89.74	89.78	40E	100%	Oriskany	0.07	N	N	N	Y	N	Y	Y	N
89.78	89.88	43F	28%	Murrill	0.04	N	N	N	Y	N	Y	Y	N
			72%	Oriskany	0.11	N	N	N	Y	N	Y	Y	N
89.88	89.98	42E	39%	Murrill	0.06	N	N	N	Y	N	Y	Y	N
			61%	Oriskany	0.10	N	N	N	Y	N	Y	Y	N
89.98	90.03	27G	11%	Rock outcrop	0.01	N	N	N	N	N	N	N	Lithic
			42%	Berks	0.04	N	N	N	Y	N	Y	Y	Lithic
			47%	Lehew	0.04	N	N	N	Y	N	Y	Y	Lithic
90.03	90.07	14G	33%	Rock outcrop	0.02	N	N	N	Y	N	N	N	Lithic
			67%	Dekalb	0.03	N	N	N	Y	N	Y	Y	Lithic
90.07	90.11	26F	47%	Berks	0.03	N	N	N	Y	N	Y	Y	Lithic
			53%	Lehew	0.03	N	N	N	Y	N	Y	Y	Lithic
90.11	90.15	43F	28%	Murrill	0.02	N	N	N	Y	N	Y	Y	N
			72%	Oriskany	0.05	N	N	N	Y	N	Y	Y	N
90.15	90.21	8E	100%	Caneyville	0.11	N	N	N	Y	N	Y	N	Lithic
90.21	90.22	52F	44%	Frederick	0.01	N	N	N	Y	N	Y	N	N
			56%	Watahala	0.01	N	N	N	Y	N	Y	Y	N
90.22	90.25	8E	100%	Caneyville	0.05	N	N	N	Y	N	Y	N	Lithic
90.25	90.37	52F	44%	Frederick	0.08	N	N	N	Y	N	Y	N	N
			56%	Watahala	0.10	N	N	N	Y	N	Y	Y	N
90.37	90.59	29C	100%	Macove	0.33	N	N	N	Y	N	Y	Y	N
90.59	90.60	19C	100%	Escatawba	0.02	State	N	N	Y	N	Y	N	N
90.60	90.74	54F	18%	Rough	0.04	N	N	N	Y	N	Y	Y	Lithic
			35%	Berks	0.07	N	N	N	Y	N	Y	Y	Lithic
			47%	Weikert	0.10	N	N	N	Y	N	Y	Y	Lithic

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
90.74	90.76	48F	26%	Berks	0.01	N	N	N	Y	N	Y	Y	Lithic
			74%	Shelocta	0.02	N	N	N	Y	N	Y	Y	N
90.76	90.91	29C	100%	Macove	0.22	N	N	N	Y	N	Y	Y	N
90.91	91.03	19B	100%	Escatawba	0.16	Prime	N	N	N	N	N	N	N
91.03	91.12	29C	100%	Macove	0.14	N	N	N	Y	N	Y	Y	N
91.12	91.23	18B	100%	Escatawba	0.19	State	N	N	N	N	N	Y	N
91.23	91.28	18C	100%	Escatawba	0.08	State	N	N	Y	N	Y	Y	N
91.28	91.32	48F	26%	Berks	0.02	N	N	N	Y	N	Y	Y	Lithic
			74%	Shelocta	0.06	N	N	N	Y	N	Y	Y	N
91.32	91.36	21A	100%	Feedstone	0.06	Prime	N	N	N	N	N	Y	N
91.36	91.39	3A	100%	Atkins	0.05	N	Y	Y	N	N	N	Y	N
91.39	91.42	21A	100%	Feedstone	0.05	Prime	N	N	N	N	N	Y	N
91.42	91.46	25A	100%	Irongate	0.06	Prime	N	N	N	N	N	N	N
91.46	91.46	W	100%	Water	0.01	N	N	N	N	N	N	N	N
91.46	91.50	25A	100%	Irongate	0.06	Prime	N	N	N	N	N	N	N
91.50	91.60	10A	100%	Coursey	0.15	Prime	N	N	N	N	N	N	N
91.60	91.61	34A	100%	Maurertown	0.02	N	Y	Y	N	N	N	Y	N
Bath County, VA													
91.61	91.61	34A	100%	Maurertown	0.01	N	Y	Y	N	N	N	Y	N
91.61	91.61	34A	100%	Maurertown	<0.01	N	Y	Y	N	N	N	Y	N
		36A	100%	Maurertown	<0.01	N	Y	Y	N	N	N	Y	N
91.61	91.78	36A	100%	Maurertown	0.26	N	Y	Y	N	N	N	Y	N
91.78	91.79	49A	100%	Purdy	0.03	N	Y	Y	N	N	N	Y	N
91.79	91.83	64B	100%	Zoar	0.06	State	N	N	N	N	N	N	N
91.83	92.00	57E	18%	Rough	0.05	N	N	N	Y	N	Y	Y	Lithic
			35%	Berks	0.09	N	N	N	Y	N	Y	Y	Lithic
			47%	Weikert	0.12	N	N	N	Y	N	Y	Y	Lithic
92.00	92.03	44D	100%	Oriskany	0.06	N	N	N	Y	N	Y	Y	N
92.03	92.07	46D	39%	Murrill	0.02	N	N	N	Y	N	Y	Y	N
			61%	Oriskany	0.04	N	N	N	Y	N	Y	Y	N
92.07	92.20	47E	28%	Murrill	0.06	N	N	N	Y	N	Y	Y	N
			72%	Oriskany	0.15	N	N	N	Y	N	Y	Y	N
92.20	92.24	46D	39%	Murrill	0.03	N	N	N	Y	N	Y	Y	N
			61%	Oriskany	0.04	N	N	N	Y	N	Y	Y	N
92.24	92.29	27E	47%	Berks	0.04	N	N	N	Y	N	Y	Y	Lithic
			53%	Lehew	0.04	N	N	N	Y	N	Y	Y	Lithic
92.29	92.78	27D	47%	Berks	0.36	N	N	N	Y	N	Y	Y	Lithic
			53%	Lehew	0.41	N	N	N	Y	N	Y	Y	Lithic
92.78	92.84	28F	11%	Rock outcrop	0.01	N	N	N	N	N	N	N	Lithic
			42%	Berks	0.04	N	N	N	Y	N	Y	Y	Lithic
			47%	Lehew	0.04	N	N	N	Y	N	Y	Y	Lithic
92.84	92.90	20E	44%	Poplimento	0.04	N	N	N	Y	N	Y	N	N
			56%	Faywood	0.05	N	N	N	Y	N	Y	N	Lithic
92.90	92.95	40D	100%	Murrill	0.07	N	N	N	Y	N	Y	Y	N

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Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
92.95	93.05	44C	100%	Oriskany	0.14	N	N	N	Y	N	Y	Y	N
93.05	93.13	46D	39%	Murrill	0.04	N	N	N	Y	N	Y	Y	N
			61%	Oriskany	0.07	N	N	N	Y	N	Y	Y	N
93.13	93.26	40D	100%	Murrill	0.19	N	N	N	Y	N	Y	Y	N
93.26	93.36	20E	44%	Poplimento	0.06	N	N	N	Y	N	Y	N	N
			56%	Faywood	0.08	N	N	N	Y	N	Y	N	Lithic
93.36	93.43	40E	100%	Murrill	0.10	N	N	N	Y	N	Y	Y	N
93.43	93.49	5E	100%	Berks	0.09	N	N	N	Y	N	Y	Y	Lithic
93.49	93.64	28F	11%	Rock outcrop	0.02	N	N	N	N	N	N	N	Lithic
			42%	Berks	0.09	N	N	N	Y	N	Y	Y	Lithic
			47%	Lehew	0.10	N	N	N	Y	N	Y	Y	Lithic
93.64	93.68	27C	47%	Berks	0.02	N	N	N	Y	N	Y	Y	Lithic
			53%	Lehew	0.03	N	N	N	Y	N	Y	Y	Lithic
93.68	93.73	27E	47%	Berks	0.04	N	N	N	Y	N	Y	Y	Lithic
			53%	Lehew	0.04	N	N	N	Y	N	Y	Y	Lithic
93.73	93.84	27E	47%	Berks	0.07	N	N	N	Y	N	Y	Y	Lithic
			53%	Lehew	0.08	N	N	N	Y	N	Y	Y	Lithic
93.84	94.16	44D	100%	Oriskany	0.46	N	N	N	Y	N	Y	Y	N
94.16	94.26	12D	29%	Alticrest	0.04	N	N	N	Y	N	Y	Y	Lithic
			71%	Dekalb	0.10	N	N	N	Y	N	Y	Y	Lithic
94.26	94.30	12D	29%	Alticrest	0.02	N	N	N	Y	N	Y	Y	Lithic
			71%	Dekalb	0.04	N	N	N	Y	N	Y	Y	Lithic
94.30	94.36	12E	29%	Alticrest	0.03	N	N	N	Y	N	Y	Y	Lithic
			71%	Dekalb	0.06	N	N	N	Y	N	Y	Y	Lithic
94.36	94.49	12D	29%	Alticrest	0.05	N	N	N	Y	N	Y	Y	Lithic
			71%	Dekalb	0.12	N	N	N	Y	N	Y	Y	Lithic
94.49	94.70	13D	18%	McClung	0.06	N	N	N	Y	N	Y	N	N
			35%	Lily	0.11	N	N	N	Y	N	Y	N	Lithic
			47%	Dekalb	0.15	N	N	N	Y	N	Y	Y	Lithic
94.70	94.76	31C	21%	Dekalb	0.02	N	N	N	Y	N	Y	Y	Lithic
			32%	McClung	0.03	N	N	N	Y	N	Y	N	N
			47%	Lily	0.04	N	N	N	Y	N	Y	N	Lithic
94.76	94.85	41B	100%	Nicelytown	0.12	Prime	N	N	N	N	N	N	N
94.85	94.92	13D	18%	McClung	0.02	N	N	N	Y	N	Y	N	N
			35%	Lily	0.03	N	N	N	Y	N	Y	N	Lithic
			47%	Dekalb	0.04	N	N	N	Y	N	Y	Y	Lithic
94.92	94.98	31C	21%	Dekalb	0.02	N	N	N	Y	N	Y	Y	Lithic
			32%	McClung	0.03	N	N	N	Y	N	Y	N	N
			47%	Lily	0.04	N	N	N	Y	N	Y	N	Lithic
94.98	95.03	13D	18%	McClung	0.01	N	N	N	Y	N	Y	N	N
			35%	Lily	0.03	N	N	N	Y	N	Y	N	Lithic
			47%	Dekalb	0.04	N	N	N	Y	N	Y	Y	Lithic
95.03	95.19	31C	21%	Dekalb	0.05	N	N	N	Y	N	Y	Y	Lithic
			32%	McClung	0.07	N	N	N	Y	N	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
95.19	95.23	14E	47%	Lily	0.10	N	N	N	Y	N	Y	N	Lithic
			24%	Lily	0.01	N	N	N	Y	N	Y	N	Lithic
			76%	Dekalb	0.04	N	N	N	Y	N	Y	Y	Lithic
95.23	95.28	43B	100%	Oriskany	0.07	N	N	N	N	N	Y	Y	N
			95.28	95.35	13D	18%	McClung	0.02	N	N	N	Y	N
95.35	95.43	31C	35%	Lily	0.04	N	N	N	Y	N	Y	N	Lithic
			47%	Dekalb	0.05	N	N	N	Y	N	Y	Y	Lithic
			21%	Dekalb	0.02	N	N	N	Y	N	Y	Y	Lithic
			32%	McClung	0.03	N	N	N	Y	N	Y	N	N
			47%	Lily	0.05	N	N	N	Y	N	Y	N	Lithic
95.43	95.46	39C	100%	Murrill	0.05	State	N	N	Y	N	Y	Y	N
95.46	95.48	15D	33%	Rock outcrop	0.01	N	N	N	Y	N	N	N	Lithic
			67%	Dekalb	0.02	N	N	N	Y	N	Y	Y	Lithic
95.48	95.61	41B	100%	Nicelytown	0.18	Prime	N	N	N	N	N	N	N
95.61	95.66	39C	100%	Murrill	0.06	State	N	N	Y	N	Y	Y	N
95.66	95.71	46D	39%	Murrill	0.03	N	N	N	Y	N	Y	Y	N
			61%	Oriskany	0.04	N	N	N	Y	N	Y	Y	N
95.71	95.87	44D	100%	Oriskany	0.23	N	N	N	Y	N	Y	Y	N
95.87	95.89	44E	100%	Oriskany	0.02	N	N	N	Y	N	Y	Y	N
95.89	95.91	12E	29%	Alticrest	0.01	N	N	N	Y	N	Y	Y	Lithic
			71%	Dekalb	0.02	N	N	N	Y	N	Y	Y	Lithic
95.91	96.00	12D	29%	Alticrest	0.04	N	N	N	Y	N	Y	Y	Lithic
			71%	Dekalb	0.10	N	N	N	Y	N	Y	Y	Lithic
96.00	96.07	29C	100%	Lily	0.10	N	N	N	Y	N	Y	N	Lithic
96.07	96.08	27E	47%	Berks	<0.01	N	N	N	Y	N	Y	Y	Lithic
			53%	Lehew	0.01	N	N	N	Y	N	Y	Y	Lithic
96.08	96.13	27E	47%	Berks	0.03	N	N	N	Y	N	Y	Y	Lithic
			53%	Lehew	0.03	N	N	N	Y	N	Y	Y	Lithic
96.13	96.18	44E	100%	Oriskany	0.07	N	N	N	Y	N	Y	Y	N
96.18	96.20	44D	100%	Oriskany	0.03	N	N	N	Y	N	Y	Y	N
96.20	96.26	46D	39%	Murrill	0.04	N	N	N	Y	N	Y	Y	N
			61%	Oriskany	0.06	N	N	N	Y	N	Y	Y	N
96.26	96.32	31C	21%	Dekalb	0.02	N	N	N	Y	N	Y	Y	Lithic
			32%	McClung	0.03	N	N	N	Y	N	Y	N	N
			47%	Lily	0.04	N	N	N	Y	N	Y	N	Lithic
96.32	96.34	37B	44%	Lily	0.01	State	N	N	N	N	Y	N	Lithic
			56%	McClung	0.01	State	N	N	N	N	N	Y	N
96.34	96.42	37B	44%	Lily	0.05	State	N	N	N	N	Y	N	Lithic
			56%	McClung	0.07	State	N	N	N	N	N	Y	N
96.42	96.47	12D	29%	Alticrest	0.02	N	N	N	Y	N	Y	Y	Lithic
			71%	Dekalb	0.05	N	N	N	Y	N	Y	Y	Lithic
96.47	96.48	12D	29%	Alticrest	<0.01	N	N	N	Y	N	Y	Y	Lithic
			71%	Dekalb	0.01	N	N	N	Y	N	Y	Y	Lithic
96.48	96.54	46C	39%	Murrill	0.03	N	N	N	Y	N	Y	Y	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
96.54	96.62	9D	61%	Oriskany	0.05	N	N	N	Y	N	Y	Y	N
			100%	Caneyville	0.10	N	N	N	Y	N	Y	N	Lithic
96.62	96.63	9D	100%	Caneyville	0.02	N	N	N	Y	N	Y	N	Lithic
			96.63	16E	24%	McClung	0.01	N	N	N	Y	N	Y
					35%	Watahala	0.02	N	N	N	Y	N	Y
			41%	Dekalb	0.02	N	N	N	Y	N	Y	Y	Lithic
96.66	96.75	9D	100%	Caneyville	0.13	N	N	N	Y	N	Y	N	Lithic
			96.75	16E	24%	McClung	<0.01	N	N	N	Y	N	Y
					35%	Watahala	<0.01	N	N	N	Y	N	Y
			41%	Dekalb	<0.01	N	N	N	Y	N	Y	Y	Lithic
96.76	96.77	38D	22%	Dekalb	<0.01	N	N	N	Y	N	Y	Y	Lithic
						28%	Watahala	<0.01	N	N	N	Y	N
			50%	McClung	0.01	N	N	N	Y	N	Y	N	N
96.77	97.21	38D	22%	Dekalb	0.14	N	N	N	Y	N	Y	Y	Lithic
						28%	Watahala	0.18	N	N	N	Y	N
			50%	McClung	0.33	N	N	N	Y	N	Y	N	N
97.21	97.25	38D	22%	Dekalb	0.01	N	N	N	Y	N	Y	Y	Lithic
						28%	Watahala	0.02	N	N	N	Y	N
			50%	McClung	0.03	N	N	N	Y	N	Y	N	N
97.25	97.39	16E	24%	McClung	0.05	N	N	N	Y	N	Y	N	N
						35%	Watahala	0.07	N	N	N	Y	N
			41%	Dekalb	0.08	N	N	N	Y	N	Y	Y	Lithic
97.39	97.51	18C	100%	Escatawba	0.17	State	N	N	Y	N	Y	Y	N
97.51	97.54	18D	100%	Escatawba	0.05	N	N	N	Y	N	Y	Y	N
97.54	97.57	57E	18%	Rough	0.01	N	N	N	Y	N	Y	Y	Lithic
						35%	Berks	0.01	N	N	N	Y	N
			47%	Weikert	0.02	N	N	N	Y	N	Y	Y	Lithic
97.57	97.59	41B	100%	Nicelytown	0.04	Prime	N	N	N	N	N	N	N
97.59	97.69	49A	100%	Purdy	0.15	N	Y	Y	N	N	N	Y	N
97.69	97.73	4A	100%	Atkins	0.05	N	Y	Y	N	N	N	Y	N
97.73	97.76	21A	100%	Feedstone	0.04	Prime	N	N	N	N	N	Y	N
97.76	97.79	62A	100%	Wolfgap	0.05	Prime	N	N	N	N	N	N	N
97.79	97.81	W	100%	Water	0.02	N	N	N	N	N	N	N	N
97.81	97.84	21A	100%	Feedstone	0.04	Prime	N	N	N	N	N	Y	N
97.84	97.92	10B	100%	Cottonbend	0.12	Prime	N	N	N	N	N	Y	N
97.92	97.99	32C	100%	Macove	0.10	N	N	N	Y	N	Y	Y	N
97.99	98.02	50D	25%	Berks	0.01	N	N	N	Y	N	Y	Y	Lithic
						75%	Shelocta	0.03	N	N	N	Y	N
98.02	98.07	57E	18%	Rough	0.01	N	N	N	Y	N	Y	Y	Lithic
						35%	Berks	0.03	N	N	N	Y	N
			47%	Weikert	0.03	N	N	N	Y	N	Y	Y	Lithic
98.07	98.11	57D	13%	Rough	0.01	N	N	N	Y	N	Y	Y	Lithic
						43%	Berks	0.03	N	N	N	Y	N
			44%	Weikert	0.03	N	N	N	Y	N	Y	Y	Lithic

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
98.11	98.13	60F	28%	Rough	0.01	N	N	N	Y	N	Y	Y	Lithic
			72%	Weikert	0.02	N	N	N	Y	N	Y	Y	Lithic
98.13	98.24	57D	13%	Rough	0.03	N	N	N	Y	N	Y	Y	Lithic
			43%	Berks	0.09	N	N	N	Y	N	Y	Y	Lithic
			44%	Weikert	0.09	N	N	N	Y	N	Y	Y	Lithic
98.24	98.26	57E	18%	Rough	<0.01	N	N	N	Y	N	Y	Y	Lithic
			35%	Berks	0.01	N	N	N	Y	N	Y	Y	Lithic
			47%	Weikert	0.01	N	N	N	Y	N	Y	Y	Lithic
98.26	98.26	57E	18%	Rough	<0.01	N	N	N	Y	N	Y	Y	Lithic
			35%	Berks	<0.01	N	N	N	Y	N	Y	Y	Lithic
			47%	Weikert	<0.01	N	N	N	Y	N	Y	Y	Lithic
98.26	98.28	32C	100%	Macove	0.03	N	N	N	Y	N	Y	Y	N
98.28	98.30	50E	26%	Berks	0.01	N	N	N	Y	N	Y	Y	Lithic
			74%	Shelocta	0.03	N	N	N	Y	N	Y	Y	N
98.30	98.30	57E	18%	Rough	<0.01	N	N	N	Y	N	Y	Y	Lithic
			35%	Berks	<0.01	N	N	N	Y	N	Y	Y	Lithic
			47%	Weikert	<0.01	N	N	N	Y	N	Y	Y	Lithic
98.30	98.38	60F	28%	Rough	0.04	N	N	N	Y	N	Y	Y	Lithic
			72%	Weikert	0.11	N	N	N	Y	N	Y	Y	Lithic
98.38	98.86	57D	13%	Rough	0.11	N	N	N	Y	N	Y	Y	Lithic
			43%	Berks	0.38	N	N	N	Y	N	Y	Y	Lithic
			44%	Weikert	0.38	N	N	N	Y	N	Y	Y	Lithic
98.86	98.87	50D	25%	Berks	0.01	N	N	N	Y	N	Y	Y	Lithic
			75%	Shelocta	0.02	N	N	N	Y	N	Y	Y	N
98.87	98.97	57D	13%	Rough	0.02	N	N	N	Y	N	Y	Y	Lithic
			43%	Berks	0.08	N	N	N	Y	N	Y	Y	Lithic
			44%	Weikert	0.08	N	N	N	Y	N	Y	Y	Lithic
98.97	98.99	57E	18%	Rough	0.01	N	N	N	Y	N	Y	Y	Lithic
			35%	Berks	0.01	N	N	N	Y	N	Y	Y	Lithic
			47%	Weikert	0.02	N	N	N	Y	N	Y	Y	Lithic
98.99	99.00	50D	25%	Berks	<0.01	N	N	N	Y	N	Y	Y	Lithic
			75%	Shelocta	0.01	N	N	N	Y	N	Y	Y	N
99.00	99.00	50D	25%	Berks	<0.01	N	N	N	Y	N	Y	Y	Lithic
99.00	99.00	50D	75%	Shelocta	<0.01	N	N	N	Y	N	Y	Y	N
99.00	99.03	11A	100%	Coursey	0.05	Prime	N	N	N	N	N	N	N
99.03	99.15	57E	18%	Rough	0.04	N	N	N	Y	N	Y	Y	Lithic
			35%	Berks	0.08	N	N	N	Y	N	Y	Y	Lithic
			47%	Weikert	0.10	N	N	N	Y	N	Y	Y	Lithic
99.15	99.19	50D	25%	Berks	0.01	N	N	N	Y	N	Y	Y	Lithic
			75%	Shelocta	0.03	N	N	N	Y	N	Y	Y	N
99.19	99.24	57E	18%	Rough	0.01	N	N	N	Y	N	Y	Y	Lithic
			35%	Berks	0.03	N	N	N	Y	N	Y	Y	Lithic
			47%	Weikert	0.04	N	N	N	Y	N	Y	Y	Lithic
99.24	99.26	50D	25%	Berks	0.01	N	N	N	Y	N	Y	Y	Lithic

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
			75%	Shelocta	0.03	N	N	N	Y	N	Y	Y	N
99.26	99.29	11A	100%	Coursey	0.04	Prime	N	N	N	N	N	N	N
99.29	99.30	11A	100%	Coursey	0.01	Prime	N	N	N	N	N	N	N
99.30	99.31	50D	25%	Berks	0.01	N	N	N	Y	N	Y	Y	Lithic
			75%	Shelocta	0.02	N	N	N	Y	N	Y	Y	N
99.31	99.45	57E	18%	Rough	0.03	N	N	N	Y	N	Y	Y	Lithic
			35%	Berks	0.07	N	N	N	Y	N	Y	Y	Lithic
			47%	Weikert	0.09	N	N	N	Y	N	Y	Y	Lithic
99.45	99.58	24C	100%	Gilpin	0.20	State	N	N	Y	N	Y	Y	Paralithic
99.58	99.59	57E	18%	Rough	<0.01	N	N	N	Y	N	Y	Y	Lithic
			35%	Berks	0.01	N	N	N	Y	N	Y	Y	Lithic
			47%	Weikert	0.01	N	N	N	Y	N	Y	Y	Lithic
99.59	99.65	24C	100%	Gilpin	0.08	State	N	N	Y	N	Y	Y	Paralithic
99.65	99.67	24C	100%	Gilpin	0.03	State	N	N	Y	N	Y	Y	Paralithic
99.67	99.70	24D	100%	Gilpin	0.04	State	N	N	Y	N	Y	Y	Paralithic
99.70	99.73	50D	25%	Berks	0.01	N	N	N	Y	N	Y	Y	Lithic
			75%	Shelocta	0.03	N	N	N	Y	N	Y	Y	N
99.73	99.75	24C	100%	Gilpin	0.03	State	N	N	Y	N	Y	Y	Paralithic
99.75	99.91	6C	39%	Weikert	0.09	N	N	N	Y	N	Y	Y	Lithic
			61%	Berks	0.14	N	N	N	Y	N	Y	Y	Lithic
99.91	100.57	57D	13%	Rough	0.12	N	N	N	Y	N	Y	Y	Lithic
			43%	Berks	0.41	N	N	N	Y	N	Y	Y	Lithic
			44%	Weikert	0.42	N	N	N	Y	N	Y	Y	Lithic
100.57	100.63	57E	18%	Rough	0.02	N	N	N	Y	N	Y	Y	Lithic
			35%	Berks	0.03	N	N	N	Y	N	Y	Y	Lithic
			47%	Weikert	0.04	N	N	N	Y	N	Y	Y	Lithic
100.63	100.74	42A	100%	Ogles	0.16	N	N	N	N	N	N	Y	N
100.74	101.02	10B	100%	Cottonbend	0.39	Prime	N	N	N	N	N	Y	N
101.02	101.42	19B	100%	Escatawba	0.58	Prime	N	N	N	N	N	N	N
101.42	101.62	44C	100%	Oriskany	0.28	N	N	N	Y	N	Y	Y	N
101.62	101.74	57D	13%	Rough	0.02	N	N	N	Y	N	Y	Y	Lithic
			43%	Berks	0.07	N	N	N	Y	N	Y	Y	Lithic
			44%	Weikert	0.08	N	N	N	Y	N	Y	Y	Lithic
101.74	101.83	18D	100%	Escatawba	0.12	N	N	N	Y	N	Y	Y	N
101.83	102.03	18C	100%	Escatawba	0.29	State	N	N	Y	N	Y	Y	N
102.03	102.07	44C	100%	Oriskany	0.06	N	N	N	Y	N	Y	Y	N
102.07	102.12	19C	100%	Escatawba	0.07	State	N	N	Y	N	Y	N	N
102.12	102.17	50E	26%	Berks	0.02	N	N	N	Y	N	Y	Y	Lithic
			74%	Shelocta	0.05	N	N	N	Y	N	Y	Y	N
102.17	102.22	57D	13%	Rough	0.01	N	N	N	Y	N	Y	Y	Lithic
			43%	Berks	0.03	N	N	N	Y	N	Y	Y	Lithic
			44%	Weikert	0.03	N	N	N	Y	N	Y	Y	Lithic
102.22	102.22	50E	26%	Berks	<0.01	N	N	N	Y	N	Y	Y	Lithic
			74%	Shelocta	0.01	N	N	N	Y	N	Y	Y	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h	
Begin	End								Water ^d	Wind ^e				
102.22	102.26	57D	13%	Rough	0.01	N	N	N	Y	N	Y	Y	Lithic	
			43%	Berks	0.03	N	N	N	Y	N	Y	Y	Lithic	
			44%	Weikert	0.03	N	N	N	Y	N	Y	Y	Lithic	
102.26	102.38	46C	39%	Murrill	0.07	N	N	N	Y	N	Y	Y	N	
			61%	Oriskany	0.12	N	N	N	Y	N	Y	Y	N	
			39%	Murrill	0.12	N	N	N	Y	N	Y	Y	N	
102.38	102.57	46D	61%	Oriskany	0.18	N	N	N	Y	N	Y	Y	N	
			24%	McClung	0.03	N	N	N	Y	N	Y	N	N	
			35%	Watahala	0.05	N	N	N	Y	N	Y	Y	N	
102.57	102.65	16E	41%	Dekalb	0.05	N	N	N	Y	N	Y	Y	Lithic	
			22%	Dekalb	0.04	N	N	N	Y	N	Y	Y	Lithic	
			28%	Watahala	0.05	N	N	N	Y	N	Y	Y	N	
			50%	McClung	0.08	N	N	N	Y	N	Y	N	N	
102.76	102.82	40C	100%	Murrill	0.10	State	N	N	Y	N	Y	Y	N	
102.82	102.90	41B	100%	Nicelytown	0.12	Prime	N	N	N	N	N	N	N	
102.90	102.94	37B	44%	Lily	0.03	State	N	N	N	N	Y	N	Lithic	
102.94	103.04	23D	56%	McClung	0.04	State	N	N	N	N	Y	N	N	
			44%	Watahala	0.07	N	N	N	Y	N	Y	Y	Y	N
			56%	Frederick	0.09	N	N	N	Y	N	Y	N	N	
103.04	103.07	9E	100%	Caneyville	0.05	N	N	N	Y	N	Y	N	Lithic	
103.07	103.08	38C	22%	Dekalb	<0.01	State	N	N	Y	N	Y	Y	Lithic	
			28%	Watahala	<0.01	State	N	N	Y	N	Y	Y	N	
			50%	McClung	<0.01	State	N	N	Y	N	Y	N	N	
103.08	103.12	4A	100%	Atkins	0.07	N	Y	Y	N	N	N	Y	N	
103.12	103.20	41B	100%	Nicelytown	0.12	Prime	N	N	N	N	N	N	N	
103.20	103.32	36A	100%	Maurertown	0.19	N	Y	Y	N	N	N	Y	N	
103.32	103.95	18B	100%	Escatawba	0.96	State	N	N	N	N	N	Y	N	
103.95	104.09	41B	100%	Nicelytown	0.23	Prime	N	N	N	N	N	N	N	
104.09	104.31	4A	100%	Atkins	0.35	N	Y	Y	N	N	N	Y	N	
104.31	104.35	10B	100%	Cottonbend	0.06	Prime	N	N	N	N	N	Y	N	
104.35	104.38	4A	100%	Atkins	0.04	N	Y	Y	N	N	N	Y	N	
104.38	104.45	18B	100%	Escatawba	0.12	State	N	N	N	N	N	Y	N	
104.45	104.61	10B	100%	Cottonbend	0.25	Prime	N	N	N	N	N	Y	N	
104.61	104.64	18C	100%	Escatawba	0.05	State	N	N	Y	N	Y	Y	N	
104.64	104.69	10B	100%	Cottonbend	0.08	Prime	N	N	N	N	N	Y	N	
104.69	104.72	18C	100%	Escatawba	0.05	State	N	N	Y	N	Y	Y	N	
104.72	104.76	10B	100%	Cottonbend	0.07	Prime	N	N	N	N	N	Y	N	
104.76	104.80	36A	100%	Maurertown	0.06	N	Y	Y	N	N	N	Y	N	
104.80	104.87	4A	100%	Atkins	0.10	N	Y	Y	N	N	N	Y	N	
104.87	104.93	13D	18%	McClung	0.02	N	N	N	Y	N	Y	N	N	
			35%	Lily	0.03	N	N	N	Y	N	Y	N	Lithic	
			47%	Dekalb	0.05	N	N	N	Y	N	Y	Y	Lithic	
104.93	105.13	31C	21%	Dekalb	0.06	N	N	N	Y	N	Y	Y	Lithic	
			32%	McClung	0.09	N	N	N	Y	N	Y	N	N	

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h	
Begin	End								Water ^d	Wind ^e				
105.13	105.41	38C	47%	Lily	0.13	N	N	N	Y	N	Y	N	Lithic	
			22%	Dekalb	0.09	State	N	N	N	Y	N	Y	Y	Lithic
			28%	Watahala	0.11	State	N	N	N	Y	N	Y	Y	N
105.41	105.42	38D	50%	McClung	0.20	State	N	N	Y	N	Y	N	N	
			22%	Dekalb	0.01	N	N	N	Y	N	Y	Y	Y	Lithic
			28%	Watahala	0.01	N	N	N	Y	N	Y	Y	Y	N
105.42	105.51	38C	50%	McClung	0.01	N	N	N	Y	N	Y	N	N	
			22%	Dekalb	0.03	State	N	N	N	Y	N	Y	Y	Lithic
			28%	Watahala	0.04	State	N	N	N	Y	N	Y	Y	N
105.51	105.67	31C	50%	McClung	0.06	State	N	N	Y	N	Y	N	N	
			21%	Dekalb	0.05	N	N	N	Y	N	Y	Y	Y	Lithic
			32%	McClung	0.07	N	N	N	Y	N	Y	N	N	N
105.67	105.75	38C	47%	Lily	0.10	N	N	N	Y	N	Y	N	Lithic	
			22%	Dekalb	0.03	State	N	N	N	Y	N	Y	Y	Lithic
			28%	Watahala	0.03	State	N	N	N	Y	N	Y	Y	N
105.75	105.91	13D	50%	McClung	0.06	State	N	N	Y	N	Y	N	N	
			18%	McClung	0.04	N	N	N	Y	N	Y	N	N	
			35%	Lily	0.08	N	N	N	Y	N	Y	N	N	Lithic
105.91	106.06	13D	47%	Dekalb	0.10	N	N	N	Y	N	Y	Y	Lithic	
			18%	McClung	0.04	N	N	N	Y	N	Y	N	N	
			35%	Lily	0.07	N	N	N	Y	N	Y	N	Lithic	
106.06	106.14	13D	47%	Dekalb	0.10	N	N	N	Y	N	Y	Y	Lithic	
			18%	McClung	0.02	N	N	N	Y	N	Y	N	N	
			35%	Lily	0.04	N	N	N	Y	N	Y	N	Lithic	
106.14	106.18	14E	47%	Dekalb	0.06	N	N	N	Y	N	Y	Y	Lithic	
			24%	Lily	0.01	N	N	N	Y	N	Y	N	Lithic	
			76%	Dekalb	0.03	N	N	N	Y	N	Y	Y	Lithic	
106.18	106.77	15D	33%	Rock outcrop	0.28	N	N	N	Y	N	N	N	Lithic	
			67%	Dekalb	0.56	N	N	N	Y	N	Y	Y	Lithic	
Augusta County, VA														
106.77	106.82	15D	33%	Rock outcrop	0.02	N	N	N	Y	N	N	N	Lithic	
			67%	Dekalb	0.05	N	N	N	Y	N	Y	Y	Lithic	
106.82	106.83	38D	22%	Dekalb	<0.01	N	N	N	Y	N	Y	Y	Lithic	
			28%	Watahala	<0.01	N	N	N	Y	N	Y	Y	N	
			50%	McClung	0.01	N	N	N	Y	N	Y	N	N	
106.83	106.83	25D2	100%	Christian	<0.01	State	N	N	Y	N	Y	Y	N	
			38D	22%	Dekalb	<0.01	N	N	N	Y	N	Y	Y	Lithic
				28%	Watahala	<0.01	N	N	N	Y	N	Y	Y	N
106.83	106.96	25D2	50%	McClung	<0.01	N	N	N	Y	N	Y	N	N	
			100%	Christian	0.18	State	N	N	N	Y	N	Y	Y	N
106.96	107.01	24E2	100%	Christian	0.08	N	N	N	Y	N	Y	Y	N	
107.01	107.07	25D2	100%	Christian	0.08	State	N	N	Y	N	Y	Y	N	
107.07	107.11	24E2	100%	Christia	0.07	N	N	N	Y	N	Y	Y	N	
107.11	107.17	64D	100%	Nixa	0.08	N	N	N	Y	N	Y	Y	N	

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
107.17	107.22	25D2	100%	Christian	0.07	State	N	N	Y	N	Y	Y	N
107.22	107.29	24E2	100%	Christian	0.11	N	N	N	Y	N	Y	Y	N
107.29	107.37	25D2	100%	Christian	0.12	State	N	N	Y	N	Y	Y	N
107.37	107.42	24E2	100%	Christian	0.06	N	N	N	Y	N	Y	Y	N
107.42	107.48	8D	100%	Berks	0.08	N	N	N	Y	N	Y	Y	Paralithic
107.48	107.52	28	100%	Craigsville	0.06	N	N	N	N	N	Y	Y	N
107.52	107.54	8E	100%	Berks	0.02	N	N	N	Y	N	Y	Y	Lithic
107.54	107.65	8D	100%	Berks	0.16	N	N	N	Y	N	Y	Y	Paralithic
107.65	107.69	8E	100%	Berks	0.06	N	N	N	Y	N	Y	Y	Lithic
107.69	107.75	63C	100%	Monongahela	0.08	N	N	N	Y	N	Y	Y	N
107.75	107.81	8E	100%	Berks	0.07	N	N	N	Y	N	Y	Y	Lithic
107.81	107.82	25D2	100%	Christian	0.02	State	N	N	Y	N	Y	Y	N
107.82	107.85	8E	100%	Berks	0.04	N	N	N	Y	N	Y	Y	Lithic
107.85	107.86	25D2	100%	Christian	0.01	State	N	N	Y	N	Y	Y	N
107.86	107.95	8E	100%	Berks	0.13	N	N	N	Y	N	Y	Y	Lithic
107.95	107.99	25D2	100%	Christian	0.05	State	N	N	Y	N	Y	Y	N
107.99	108.00	8E	100%	Berks	0.02	N	N	N	Y	N	Y	Y	Lithic
108.00	108.04	85	100%	Udorthents	0.04	N	N	N	N	N	N	N	N
108.04	108.11	24E2	100%	Christian	0.10	N	N	N	Y	N	Y	Y	N
108.11	108.13	63C	100%	Monongahela	0.04	N	N	N	Y	N	Y	Y	N
108.13	108.15	24E2	100%	Christian	0.02	N	N	N	Y	N	Y	Y	N
108.15	108.19	63C	100%	Monongahela	0.06	N	N	N	Y	N	Y	Y	N
108.19	108.22	24E2	100%	Christian	0.05	N	N	N	Y	N	Y	Y	N
108.22	108.25	63C	100%	Monongahela	0.04	N	N	N	Y	N	Y	Y	N
108.25	108.28	24E2	100%	Christian	0.05	N	N	N	Y	N	Y	Y	N
108.28	108.36	67	100%	Purdy	0.12	N	Y	Y	N	N	N	Y	N
108.36	108.41	27	100%	Craigsville	0.10	N	N	N	N	N	N	Y	N
108.41	108.47	28	100%	Craigsville	0.09	N	N	N	N	N	Y	Y	N
108.47	108.55	62B	100%	Monongahela	0.15	N	N	N	N	N	N	Y	N
108.55	108.62	27	100%	Craigsville	0.12	N	N	N	N	N	N	Y	N
108.62	108.64	38B	100%	Ernest	0.04	N	N	N	N	N	N	Y	N
108.64	108.70	8D	100%	Berks	0.10	N	N	N	Y	N	Y	Y	Paralithic
108.70	108.77	62B	100%	Monongahela	0.11	N	N	N	N	N	N	Y	N
108.77	108.81	28	100%	Craigsville	0.08	N	N	N	N	N	Y	Y	N
108.81	108.84	47C	100%	Guernsey	0.05	State	N	N	N	N	N	Y	Lithic
108.84	108.86	62B	100%	Monongahela	0.04	N	N	N	N	N	N	Y	N
108.86	108.88	8E	100%	Berks	0.03	N	N	N	Y	N	Y	Y	Lithic
108.88	108.89	8D	100%	Berks	0.02	N	N	N	Y	N	Y	Y	Paralithic
108.89	108.95	8E	100%	Berks	0.11	N	N	N	Y	N	Y	Y	Lithic
108.95	108.97	8F	100%	Berks	0.03	N	N	N	Y	N	Y	Y	Paralithic
108.97	108.99	28	100%	Craigsville	0.04	N	N	N	N	N	Y	Y	N
108.99	109.02	8E	100%	Berks	0.05	N	N	N	Y	N	Y	Y	Lithic
109.02	109.11	53C	100%	Jefferson	0.16	State	N	N	Y	N	Y	Y	N
109.11	109.14	8E	100%	Berks	0.05	N	N	N	Y	N	Y	Y	Lithic

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
109.14	109.15	62B	100%	Monongahela	0.02	N	N	N	N	N	N	Y	N
109.15	109.19	28	100%	Craigsville	0.08	N	N	N	N	N	Y	Y	N
109.19	109.20	8D	100%	Berks	0.01	N	N	N	Y	N	Y	Y	Paralithic
109.20	109.23	8F	100%	Berks	0.07	N	N	N	Y	N	Y	Y	Paralithic
109.23	109.26	8D	100%	Berks	0.05	N	N	N	Y	N	Y	Y	Paralithic
109.26	109.29	67	100%	Purdy	0.05	N	Y	Y	N	N	N	Y	N
109.29	109.33	8E	100%	Berks	0.08	N	N	N	Y	N	Y	Y	Lithic
109.33	109.38	89F3	100%	Weikert	0.08	N	N	N	Y	N	Y	Y	Paralithic
109.38	109.46	11B	100%	Buchanan	0.13	N	N	N	N	N	N	Y	N
109.46	109.50	67	100%	Purdy	0.08	N	Y	Y	N	N	N	Y	N
109.50	109.58	11B	100%	Buchanan	0.12	N	N	N	N	N	N	Y	N
109.58	109.59	67	100%	Purdy	0.01	N	Y	Y	N	N	N	Y	N
109.59	109.62	62B	100%	Monongahela	0.05	N	N	N	N	N	N	Y	N
109.62	109.65	67	100%	Purdy	0.04	N	Y	Y	N	N	N	Y	N
109.65	109.65	8D	100%	Berks	0.01	N	N	N	Y	N	Y	Y	Paralithic
109.65	109.72	11A	100%	Buchanan	0.10	N	N	N	N	N	N	Y	N
109.72	109.74	67	100%	Purdy	0.03	N	Y	Y	N	N	N	Y	N
109.74	109.77	66	100%	Philo	0.04	State	N	N	N	N	N	Y	N
109.77	109.78	8D	100%	Berks	0.01	N	N	N	Y	N	Y	Y	Paralithic
109.78	109.83	62B	100%	Monongahela	0.07	N	N	N	N	N	N	Y	N
109.83	109.86	8D	100%	Berks	0.04	N	N	N	Y	N	Y	Y	Paralithic
109.86	109.89	62B	100%	Monongahela	0.05	N	N	N	N	N	N	Y	N
109.89	109.91	8E	100%	Berks	0.03	N	N	N	Y	N	Y	Y	Lithic
109.91	109.93	8D	100%	Berks	0.03	N	N	N	Y	N	Y	Y	Paralithic
109.93	109.96	8E	100%	Berks	0.04	N	N	N	Y	N	Y	Y	Lithic
109.96	110.04	11A	100%	Buchanan	0.13	N	N	N	N	N	N	Y	N
110.04	110.07	39	100%	Fluvaquents	0.03	N	Y	N	N	N	N	Y	N
110.07	110.08	21E3	100%	Chilhowie	0.02	N	N	N	Y	N	Y	Y	Lithic
110.08	110.12	11B	100%	Buchanan	0.06	N	N	N	N	N	N	Y	N
110.12	110.21	22D2	38%	Edom	0.05	N	N	N	Y	N	Y	Y	Paralithic
			63%	Chilhowie	0.08	N	N	N	Y	N	Y	Y	Lithic
110.21	110.22	90D2	44%	Berks	0.01	N	N	N	Y	N	Y	Y	Paralithic
			56%	Weikert	0.01	N	N	N	Y	N	Y	Y	Paralithic
110.22	110.26	91C2	100%	Wheeling	0.05	State	N	N	Y	N	Y	N	N
110.26	110.28	90D2	44%	Berks	0.02	N	N	N	Y	N	Y	Y	Paralithic
			56%	Weikert	0.02	N	N	N	Y	N	Y	Y	Paralithic
110.28	110.29	62B	100%	Monongahela	0.02	N	N	N	N	N	N	Y	N
110.29	110.33	39	100%	Fluvaquents	0.06	N	Y	N	N	N	N	Y	N
110.33	110.44	11B	100%	Buchanan	0.17	N	N	N	N	N	N	Y	N
110.44	110.46	4B	50%	Allegheny	0.01	State	N	N	N	N	N	Y	N
				Cotaco	0.01	State	N	N	N	N	N	Y	N
110.46	110.55	11A	100%	Buchanan	0.15	N	N	N	N	N	N	Y	N
110.55	110.59	62B	100%	Monongahela	0.06	N	N	N	N	N	N	Y	N
110.59	110.64	19	100%	Chavies	0.09	Prime	N	N	N	N	N	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
110.64	110.66	28	100%	Craigsville	0.03	N	N	N	N	N	Y	Y	N
110.66	110.84	19	100%	Chavies	0.28	Prime	N	N	N	N	N	N	N
110.84	110.87	66	100%	Philo	0.05	State	N	N	N	N	N	Y	N
110.87	111.00	1B	100%	Allegheny	0.20	Prime	N	N	N	N	N	N	N
111.00	111.07	27	100%	Craigsville	0.10	N	N	N	N	N	N	Y	N
111.07	111.09	19	100%	Chavies	0.04	Prime	N	N	N	N	N	N	N
111.09	111.10	66	100%	Philo	0.02	State	N	N	N	N	N	Y	N
111.10	111.12	19	100%	Chavies	0.02	Prime	N	N	N	N	N	N	N
111.12	111.17	11A	100%	Buchanan	0.08	N	N	N	N	N	N	Y	N
111.17	111.26	1B	100%	Allegheny	0.14	Prime	N	N	N	N	N	N	N
111.26	111.28	19	100%	Chavies	0.02	Prime	N	N	N	N	N	N	N
111.28	111.33	27	100%	Craigsville	0.08	N	N	N	N	N	N	Y	N
111.33	111.36	19	100%	Chavies	0.03	Prime	N	N	N	N	N	N	N
111.36	111.40	27	100%	Craigsville	0.06	N	N	N	N	N	N	Y	N
111.40	111.43	83	100%	Udorthents	0.05	N	N	N	N	N	N	N	N
111.43	111.50	28	100%	Craigsville	0.10	N	N	N	N	N	Y	Y	N
111.50	111.54	83	100%	Udorthents	0.05	N	N	N	N	N	N	N	N
111.54	111.65	28	100%	Craigsville	0.16	N	N	N	N	N	Y	Y	N
111.65	111.89	27	100%	Craigsville	0.37	N	N	N	N	N	N	Y	N
111.89	112.02	28	100%	Craigsville	0.21	N	N	N	N	N	Y	Y	N
112.02	112.07	27	100%	Craigsville	0.08	N	N	N	N	N	N	Y	N
112.07	112.21	28	100%	Craigsville	0.21	N	N	N	N	N	Y	Y	N
112.21	112.25	27	100%	Craigsville	0.06	N	N	N	N	N	N	Y	N
112.25	112.34	19	100%	Chavies	0.12	Prime	N	N	N	N	N	N	N
112.34	112.37	1B	100%	Allegheny	0.05	Prime	N	N	N	N	N	N	N
112.37	112.40	62B	100%	Monongahela	0.03	N	N	N	N	N	N	Y	N
112.40	112.52	38B	100%	Ernest	0.17	N	N	N	N	N	N	Y	N
112.52	112.53	8E	100%	Berks	0.02	N	N	N	Y	N	Y	Y	Lithic
112.53	112.59	62B	100%	Monongahela	0.09	N	N	N	N	N	N	Y	N
112.59	112.59	8F	100%	Berks	0.01	N	N	N	Y	N	Y	Y	Paralithic
112.59	112.63	83	100%	Udorthents	0.06	N	N	N	N	N	N	N	N
112.63	112.65	28	100%	Craigsville	0.03	N	N	N	N	N	Y	Y	N
112.65	112.69	1B	100%	Allegheny	0.07	Prime	N	N	N	N	N	N	N
112.69	112.71	62B	100%	Monongahela	0.04	N	N	N	N	N	N	Y	N
112.71	112.74	8E	100%	Berks	0.05	N	N	N	Y	N	Y	Y	Lithic
112.74	112.77	62B	100%	Monongahela	0.04	N	N	N	N	N	N	Y	N
112.77	112.84	8D	100%	Berks	0.13	N	N	N	Y	N	Y	Y	Paralithic
112.84	112.92	8F	100%	Berks	0.13	N	N	N	Y	N	Y	Y	Paralithic
112.92	112.98	8D	100%	Berks	0.10	N	N	N	Y	N	Y	Y	Paralithic
112.98	113.03	8D	100%	Berks	0.07	N	N	N	Y	N	Y	Y	Paralithic
113.03	113.05	72F	100%	Rushtown	0.03	N	N	N	Y	N	Y	Y	N
113.05	113.05	8F	100%	Berks	<0.01	N	N	N	Y	N	Y	Y	Paralithic
113.05	113.16	8F	100%	Berks	0.17	N	N	N	Y	N	Y	Y	Paralithic
113.16	113.19	8D	100%	Berks	0.05	N	N	N	Y	N	Y	Y	Paralithic

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
113.19	113.19	8D	100%	Berks	<0.01	N	N	N	Y	N	Y	Y	Paralithic
113.19	113.30	8D	100%	Berks	0.16	N	N	N	Y	N	Y	Y	Paralithic
113.30	113.31	72F	100%	Rushtown	0.02	N	N	N	Y	N	Y	Y	N
113.31	113.33	38B	100%	Ernest	0.03	N	N	N	N	N	N	Y	N
113.33	113.38	8E	100%	Berks	0.08	N	N	N	Y	N	Y	Y	Lithic
113.38	113.40	8D	100%	Berks	0.03	N	N	N	Y	N	Y	Y	Paralithic
113.40	113.43	8E	100%	Berks	0.04	N	N	N	Y	N	Y	Y	Lithic
113.43	113.46	62B	100%	Monongahela	0.05	N	N	N	N	N	N	Y	N
113.46	113.63	28	100%	Craigsville	0.27	N	N	N	N	N	Y	Y	N
113.63	113.64	19	100%	Chavies	0.01	Prime	N	N	N	N	N	N	N
113.64	113.66	8E	100%	Berks	0.04	N	N	N	Y	N	Y	Y	Lithic
113.66	113.85	8D	100%	Berks	0.30	N	N	N	Y	N	Y	Y	Paralithic
113.85	113.94	8E	100%	Berks	0.15	N	N	N	Y	N	Y	Y	Lithic
113.94	114.24	8D	100%	Berks	0.45	N	N	N	Y	N	Y	Y	Paralithic
114.24	114.25	8F	100%	Berks	0.01	N	N	N	Y	N	Y	Y	Paralithic
114.25	114.26	8D	100%	Berks	0.02	N	N	N	Y	N	Y	Y	Paralithic
114.26	114.32	8F	100%	Berks	0.09	N	N	N	Y	N	Y	Y	Paralithic
114.32	114.38	27	100%	Craigsville	0.09	N	N	N	N	N	N	Y	N
114.38	114.48	28	100%	Craigsville	0.16	N	N	N	N	N	Y	Y	N
114.48	114.54	27	100%	Craigsville	0.10	N	N	N	N	N	N	Y	N
114.54	114.71	19	100%	Chavies	0.26	Prime	N	N	N	N	N	N	N
114.71	114.73	66	100%	Philo	0.04	State	N	N	N	N	N	Y	N
114.73	114.79	67	100%	Purdy	0.09	N	Y	Y	N	N	N	Y	N
114.79	114.82	8E	100%	Berks	0.05	N	N	N	Y	N	Y	Y	Lithic
114.82	114.88	62B	100%	Monongahela	0.09	N	N	N	N	N	N	Y	N
114.88	114.99	8D	100%	Berks	0.15	N	N	N	Y	N	Y	Y	Paralithic
114.99	115.12	8E	100%	Berks	0.15	N	N	N	Y	N	Y	Y	Lithic
115.12	115.21	38B	100%	Ernest	0.09	N	N	N	N	N	N	Y	N
115.21	115.28	28	100%	Craigsville	0.08	N	N	N	N	N	Y	Y	N
115.28	115.35	38B	100%	Ernest	0.07	N	N	N	N	N	N	Y	N
115.35	115.40	89F3	100%	Weikert	0.05	N	N	N	Y	N	Y	Y	Paralithic
115.40	115.41	8F	100%	Berks	0.01	N	N	N	Y	N	Y	Y	Paralithic
115.41	115.47	38B	100%	Ernest	0.07	N	N	N	N	N	N	Y	N
115.47	115.54	8E	100%	Berks	0.07	N	N	N	Y	N	Y	Y	Lithic
115.54	115.63	8D	100%	Berks	0.10	N	N	N	Y	N	Y	Y	Paralithic
115.63	115.66	8F	100%	Berks	0.04	N	N	N	Y	N	Y	Y	Paralithic
115.66	115.70	8E	100%	Berks	0.04	N	N	N	Y	N	Y	Y	Lithic
115.70	115.73	8D	100%	Berks	0.03	N	N	N	Y	N	Y	Y	Paralithic
115.73	115.79	8E	100%	Berks	0.07	N	N	N	Y	N	Y	Y	Lithic
115.79	115.81	38B	100%	Ernest	0.02	N	N	N	N	N	N	Y	N
115.81	115.84	38B	100%	Ernest	0.03	N	N	N	N	N	N	Y	N
115.84	115.89	8E	100%	Berks	0.06	N	N	N	Y	N	Y	Y	Lithic
115.89	115.92	8D	100%	Berks	0.03	N	N	N	Y	N	Y	Y	Paralithic
115.92	116.04	8E	100%	Berks	0.13	N	N	N	Y	N	Y	Y	Lithic

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
116.04	116.15	8D	100%	Berks	0.11	N	N	N	Y	N	Y	Y	Paralithic
116.15	116.18	8D	100%	Berks	0.02	N	N	N	Y	N	Y	Y	Paralithic
116.18	116.26	8F	100%	Berks	0.08	N	N	N	Y	N	Y	Y	Paralithic
116.26	116.30	27	100%	Craigsville	0.04	N	N	N	N	N	N	Y	N
116.30	116.40	8E	100%	Berks	0.10	N	N	N	Y	N	Y	Y	Lithic
116.40	116.42	8E	100%	Berks	0.02	N	N	N	Y	N	Y	Y	Lithic
116.42	116.46	8F	100%	Berks	0.04	N	N	N	Y	N	Y	Y	Paralithic
116.46	116.46	28	100%	Craigsville	<0.01	N	N	N	N	N	Y	Y	N
116.46	116.51	28	100%	Craigsville	0.05	N	N	N	N	N	Y	Y	N
116.51	116.68	1B	100%	Allegheny	0.16	Prime	N	N	N	N	N	N	N
116.68	116.74	28	100%	Craigsville	0.06	N	N	N	N	N	Y	Y	N
116.74	116.75	1B	100%	Allegheny	0.02	Prime	N	N	N	N	N	N	N
116.75	116.75	1B	100%	Allegheny	<0.01	Prime	N	N	N	N	N	N	N
116.75	116.78	62B	100%	Monongahela	0.03	N	N	N	N	N	N	Y	N
116.78	116.89	8E	100%	Berks	0.11	N	N	N	Y	N	Y	Y	Lithic
116.89	116.99	8D	100%	Berks	0.09	N	N	N	Y	N	Y	Y	Paralithic
116.99	117.04	8F	100%	Berks	0.05	N	N	N	Y	N	Y	Y	Paralithic
117.04	117.09	27	100%	Craigsville	0.05	N	N	N	N	N	N	Y	N
117.09	117.11	8E	100%	Berks	0.03	N	N	N	Y	N	Y	Y	Lithic
117.11	117.14	8D	100%	Berks	0.03	N	N	N	Y	N	Y	Y	Paralithic
117.14	117.16	8E	100%	Berks	0.02	N	N	N	Y	N	Y	Y	Lithic
117.16	117.20	27	100%	Craigsville	0.04	N	N	N	N	N	N	Y	N
117.20	117.29	8E	100%	Berks	0.09	N	N	N	Y	N	Y	Y	Lithic
117.29	117.65	8D	100%	Berks	0.36	N	N	N	Y	N	Y	Y	Paralithic
117.65	117.68	8F	100%	Berks	0.03	N	N	N	Y	N	Y	Y	Paralithic
117.68	117.78	8E	100%	Berks	0.10	N	N	N	Y	N	Y	Y	Lithic
117.78	117.93	8D	100%	Berks	0.16	N	N	N	Y	N	Y	Y	Paralithic
117.93	118.12	8E	100%	Berks	0.19	N	N	N	Y	N	Y	Y	Lithic
118.12	118.22	51D	100%	Hazleton	0.10	N	N	N	Y	N	Y	Y	Lithic
118.22	118.67	8D	100%	Berks	0.45	N	N	N	Y	N	Y	Y	Paralithic
118.67	118.72	8F	100%	Berks	0.04	N	N	N	Y	N	Y	Y	Paralithic
118.72	119.63	8D	100%	Berks	0.92	N	N	N	Y	N	Y	Y	Paralithic
119.63	119.68	8E	100%	Berks	0.05	N	N	N	Y	N	Y	Y	Lithic
119.68	120.06	8D	100%	Berks	0.39	N	N	N	Y	N	Y	Y	Paralithic
120.06	120.16	8F	100%	Berks	0.09	N	N	N	Y	N	Y	Y	Paralithic
120.16	120.19	28	100%	Craigsville	0.04	N	N	N	N	N	Y	Y	N
120.19	120.23	63B	100%	Monongahela	0.04	N	N	N	N	N	N	Y	N
120.23	120.37	8F	100%	Berks	0.14	N	N	N	Y	N	Y	Y	Paralithic
120.37	120.40	28	100%	Craigsville	0.03	N	N	N	N	N	Y	Y	N
120.40	120.43	63B	100%	Monongahela	0.02	N	N	N	N	N	N	Y	N
120.43	120.49	8E	100%	Berks	0.06	N	N	N	Y	N	Y	Y	Lithic
120.49	120.53	8D	100%	Berks	0.05	N	N	N	Y	N	Y	Y	Paralithic
120.53	120.57	8E	100%	Berks	0.03	N	N	N	Y	N	Y	Y	Lithic
120.57	120.59	8E	100%	Berks	0.02	N	N	N	Y	N	Y	Y	Lithic

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
124.15	124.18	40B2	38%	Christian	0.01	Prime	N	N	N	N	N	Y	N
			63%	Frederick	0.02	Prime	N	N	N	N	N	N	N
124.18	124.22	40C2	44%	Christian	0.01	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.02	State	N	N	Y	N	Y	N	N
124.22	124.27	10C2	100%	Bookwood	0.05	State	N	N	Y	N	Y	Y	Lithic
124.27	124.29	10D2	100%	Bookwood	0.03	State	N	N	Y	N	Y	Y	Lithic
124.29	124.31	40C2	44%	Christian	0.01	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.01	State	N	N	Y	N	Y	N	N
124.31	124.42	11B	100%	Buchanan	0.11	N	N	N	N	N	N	Y	N
124.42	124.48	10D2	100%	Bookwood	0.06	State	N	N	Y	N	Y	Y	Lithic
124.48	124.52	40D2	44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.03	State	N	N	Y	N	Y	N	N
124.52	124.54	10B2	100%	Bookwood	0.01	Prime	N	N	N	N	N	Y	Lithic
124.54	124.57	40C2	44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.02	State	N	N	Y	N	Y	N	N
124.57	124.71	10D2	100%	Bookwood	0.14	State	N	N	Y	N	Y	Y	Lithic
124.71	124.80	10C2	100%	Bookwood	0.09	State	N	N	Y	N	Y	Y	Lithic
124.80	124.85	10D2	100%	Bookwood	0.05	State	N	N	Y	N	Y	Y	Lithic
124.85	124.88	79B	100%	Timberville	0.03	N	N	N	N	N	N	Y	N
124.88	124.99	45E2	44%	Rock outcrop	0.05	N	N	N	N	N	N	N	Lithic
			56%	Frederick	0.06	N	N	N	Y	N	Y	N	N
124.99	125.05	10C2	100%	Bookwood	0.06	State	N	N	Y	N	Y	Y	Lithic
125.05	125.10	39	100%	Fluvaquents	0.05	N	Y	N	N	N	N	Y	N
125.10	125.19	70C	42%	Frederick	0.04	N	N	N	N	N	Y	N	N
			58%	Rock outcrop	0.05	N	N	N	N	N	Y	N	Lithic
125.19	125.26	40C2	44%	Christian	0.03	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.04	State	N	N	Y	N	Y	N	N
125.26	125.29	44D2	44%	Christian	0.01	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.02	State	N	N	Y	N	Y	N	N
125.29	125.32	40C2	44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.02	State	N	N	Y	N	Y	N	N
125.32	125.37	44D2	44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.03	State	N	N	Y	N	Y	N	N
125.37	125.39	40D2	44%	Christian	0.01	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.01	State	N	N	Y	N	Y	N	N
125.39	125.42	40C2	44%	Christian	0.01	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.02	State	N	N	Y	N	Y	N	N
125.42	125.53	40D2	44%	Christian	0.05	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.06	State	N	N	Y	N	Y	N	N
125.53	125.56	40C2	44%	Christian	0.01	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.01	State	N	N	Y	N	Y	N	N
125.56	125.61	40B2	38%	Christian	0.02	Prime	N	N	N	N	N	Y	N
			63%	Frederick	0.03	Prime	N	N	N	N	N	N	N
125.61	125.68	40C2	44%	Christian	0.03	State	N	N	Y	N	Y	Y	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
125.68	125.76	70C	56%	Frederick	0.04	State	N	N	Y	N	Y	N	N
			42%	Frederick	0.03	N	N	N	N	N	Y	N	N
			58%	Rock outcrop	0.05	N	N	N	N	N	N	Y	N
125.76	125.79	40C2	44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.02	State	N	N	Y	N	Y	N	N
125.79	126.14	42C2	44%	Christian	0.15	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.19	State	N	N	Y	N	Y	Y	N
126.14	126.16	40B2	38%	Christian	0.01	Prime	N	N	N	N	N	Y	N
			63%	Frederick	0.01	Prime	N	N	N	N	N	N	N
126.16	126.21	42C2	44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.03	State	N	N	Y	N	Y	Y	N
126.21	126.33	42D2	47%	Christian	0.06	State	N	N	Y	N	Y	Y	N
			53%	Frederick	0.06	State	N	N	Y	N	Y	Y	N
126.33	126.45	42C2	44%	Christian	0.05	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.07	State	N	N	Y	N	Y	Y	N
126.45	126.48	42D2	47%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			53%	Frederick	0.02	State	N	N	Y	N	Y	Y	N
126.48	126.70	40C2	44%	Christian	0.10	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.13	State	N	N	Y	N	Y	N	N
126.70	126.74	40B2	38%	Christian	0.01	Prime	N	N	N	N	N	Y	N
			63%	Frederick	0.02	Prime	N	N	N	N	N	N	N
126.74	127.01	40C2	44%	Christian	0.12	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.15	State	N	N	Y	N	Y	N	N
127.01	127.14	42C2	44%	Christian	0.06	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.07	State	N	N	Y	N	Y	Y	N
127.14	127.34	40C2	44%	Christian	0.09	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.11	State	N	N	Y	N	Y	N	N
127.34	127.36	41C3	44%	Christian	0.01	N	N	N	Y	N	Y	Y	N
			56%	Frederick	0.01	N	N	N	Y	N	Y	N	N
127.36	127.43	79B	100%	Timberville	0.07	N	N	N	N	N	N	Y	N
127.43	127.54	40C2	44%	Christian	0.05	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.06	State	N	N	Y	N	Y	N	N
127.54	127.56	40B2	38%	Christian	0.01	Prime	N	N	N	N	N	Y	N
			63%	Frederick	0.01	Prime	N	N	N	N	N	N	N
127.56	127.68	42C2	44%	Christian	0.05	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.07	State	N	N	Y	N	Y	Y	N
127.68	127.70	42D2	47%	Christian	0.01	State	N	N	Y	N	Y	Y	N
			53%	Frederick	0.01	State	N	N	Y	N	Y	Y	N
127.70	127.71	42C2	44%	Christian	<0.01	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.01	State	N	N	Y	N	Y	Y	N
127.71	128.01	42D2	47%	Christian	0.14	State	N	N	Y	N	Y	Y	N
			53%	Frederick	0.16	State	N	N	Y	N	Y	Y	N
128.01	128.11	42C2	44%	Christian	0.04	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.06	State	N	N	Y	N	Y	Y	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
128.11	128.18	42D2	47%	Christian	0.03	State	N	N	Y	N	Y	Y	N
			53%	Frederick	0.04	State	N	N	Y	N	Y	Y	N
128.18	128.22	42C2	44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.02	State	N	N	Y	N	Y	Y	N
128.22	128.25	42D2	47%	Christian	0.01	State	N	N	Y	N	Y	Y	N
			53%	Frederick	0.01	State	N	N	Y	N	Y	Y	N
128.25	128.30	24C2	100%	Christian	0.05	State	N	N	Y	N	Y	Y	N
128.30	128.35	40C2	44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.03	State	N	N	Y	N	Y	N	N
128.35	128.41	40D2	44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.03	State	N	N	Y	N	Y	N	N
128.41	128.43	40C2	44%	Christian	0.01	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.01	State	N	N	Y	N	Y	N	N
128.43	128.47	40B2	38%	Christian	0.01	Prime	N	N	N	N	N	Y	N
			63%	Frederick	0.02	Prime	N	N	N	N	N	N	N
128.47	128.48	40C2	44%	Christian	<0.01	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.01	State	N	N	Y	N	Y	N	N
128.48	128.53	24D2	100%	Christian	0.05	State	N	N	Y	N	Y	Y	N
128.53	128.67	40C2	44%	Christian	0.06	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.08	State	N	N	Y	N	Y	N	N
128.67	128.69	40B2	38%	Christian	0.01	Prime	N	N	N	N	N	Y	N
			63%	Frederick	0.01	Prime	N	N	N	N	N	N	N
128.69	128.73	40C2	44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.02	State	N	N	Y	N	Y	N	N
128.73	128.78	40E2	47%	Christian	0.02	N	N	N	Y	N	Y	Y	N
			53%	Frederick	0.03	N	N	N	Y	N	Y	N	N
128.78	128.83	76D	100%	Shenval	0.05	State	N	N	Y	N	Y	Y	N
128.83	129.11	76C	100%	Shenval	0.28	State	N	N	Y	N	Y	Y	N
129.11	129.13	76D	100%	Shenval	0.03	State	N	N	Y	N	Y	Y	N
129.13	129.15	70E	35%	Frederick	0.01	N	N	N	Y	N	Y	N	N
			65%	Rock outcrop	0.01	N	N	N	Y	N	Y	N	Lithic
129.15	129.21	18	100%	Chagrin	0.06	Prime	N	N	N	N	N	N	N
129.21	129.33	75D2	100%	Shenval	0.12	State	N	N	Y	N	Y	Y	N
129.33	129.37	42D2	47%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			53%	Frederick	0.02	State	N	N	Y	N	Y	Y	N
129.37	129.42	40C2	44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.03	State	N	N	Y	N	Y	N	N
129.42	129.53	42C2	44%	Christian	0.05	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.06	State	N	N	Y	N	Y	Y	N
129.53	129.55	40C2	44%	Christian	0.01	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.01	State	N	N	Y	N	Y	N	N
129.55	129.71	40B2	38%	Christian	0.06	Prime	N	N	N	N	N	Y	N
			63%	Frederick	0.11	Prime	N	N	N	N	N	N	N
129.71	129.83	40C2	44%	Christian	0.05	State	N	N	Y	N	Y	Y	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
129.83	130.00	75C2	56%	Frederick	0.07	State	N	N	Y	N	Y	N	N
			100%	Shenval	0.17	State	N	N	Y	N	Y	Y	N
130.00	130.05	75B2	100%	Shenval	0.04	Prime	N	N	N	N	N	Y	N
130.05	130.08	75C2	100%	Shenval	0.03	State	N	N	Y	N	Y	Y	N
130.08	130.17	40E2	47%	Christian	0.04	N	N	N	Y	N	Y	Y	N
			53%	Frederick	0.05	N	N	N	Y	N	Y	N	N
130.17	130.20	75B2	100%	Shenval	0.04	Prime	N	N	N	N	N	Y	N
130.20	130.33	75C2	100%	Shenval	0.13	State	N	N	Y	N	Y	Y	N
130.33	130.33	40E2	47%	Christian	<0.01	N	N	N	Y	N	Y	Y	N
			53%	Frederick	<0.01	N	N	N	Y	N	Y	N	N
130.33	130.37	70E	35%	Frederick	0.01	N	N	N	Y	N	Y	N	N
			65%	Rock outcrop	0.03	N	N	N	Y	N	Y	N	Lithic
130.37	130.39	W	100%	Water	0.02	N	N	N	N	N	N	N	N
130.39	130.45	81	100%	Tioga	0.06	State	N	N	N	N	N	Y	N
130.45	130.48	91B	100%	Wheeling	0.03	Prime	N	N	N	N	N	N	N
130.48	130.51	40C2	44%	Christian	0.01	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.01	State	N	N	Y	N	Y	N	N
130.51	130.59	42E2	44%	Christian	0.04	N	N	N	Y	N	Y	Y	N
			56%	Frederick	0.05	N	N	N	Y	N	Y	Y	N
130.59	130.74	42D2	47%	Christian	0.07	State	N	N	Y	N	Y	Y	N
			53%	Frederick	0.08	State	N	N	Y	N	Y	Y	N
130.74	130.97	70E	35%	Frederick	0.08	N	N	N	Y	N	Y	N	N
			65%	Rock outcrop	0.15	N	N	N	Y	N	Y	N	Lithic
130.97	131.07	45C2	38%	Rock outcrop	0.04	N	N	N	N	N	N	N	Lithic
			63%	Frederick	0.07	N	N	N	N	N	N	N	N
131.07	131.16	70E	35%	Frederick	0.03	N	N	N	Y	N	Y	N	N
			65%	Rock outcrop	0.06	N	N	N	Y	N	Y	N	Lithic
131.16	131.28	42D2	47%	Christian	0.05	State	N	N	Y	N	Y	Y	N
			53%	Frederick	0.06	State	N	N	Y	N	Y	Y	N
131.28	131.35	41D3	44%	Christian	0.03	N	N	N	Y	N	Y	Y	N
			56%	Frederick	0.04	N	N	N	Y	N	Y	N	N
131.35	131.40	40C2	44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.03	State	N	N	Y	N	Y	N	N
131.40	131.46	79B	100%	Timberville	0.06	N	N	N	N	N	N	Y	N
131.46	131.46	24D2	100%	Christian	<0.01	State	N	N	Y	N	Y	Y	N
131.46	131.67	40D2	44%	Christian	0.09	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.12	State	N	N	Y	N	Y	N	N
131.67	131.71	80B	100%	Timberville	0.03	N	N	N	N	N	N	Y	N
131.71	131.77	40D2	44%	Christian	0.03	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.03	State	N	N	Y	N	Y	N	N
131.77	131.79	40C2	44%	Christian	0.01	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.01	State	N	N	Y	N	Y	N	N
131.79	131.85	40B2	38%	Christian	0.02	Prime	N	N	N	N	N	Y	N
			63%	Frederick	0.04	Prime	N	N	N	N	N	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
131.85	131.89	40C2	44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.02	State	N	N	Y	N	Y	N	N
131.89	131.91	40D2	44%	Christian	0.01	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.01	State	N	N	Y	N	Y	N	N
131.91	132.04	70E	35%	Frederick	0.05	N	N	N	Y	N	Y	N	N
			65%	Rock outcrop	0.09	N	N	N	Y	N	Y	N	Lithic
132.04	132.09	40C2	44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.03	State	N	N	Y	N	Y	N	N
132.09	132.16	70E	35%	Frederick	0.02	N	N	N	Y	N	Y	N	N
			65%	Rock outcrop	0.04	N	N	N	Y	N	Y	N	Lithic
132.16	132.17	40D2	44%	Christian	0.01	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.01	State	N	N	Y	N	Y	N	N
132.17	132.20	70E	35%	Frederick	0.01	N	N	N	Y	N	Y	N	N
			65%	Rock outcrop	0.01	N	N	N	Y	N	Y	N	Lithic
132.20	132.24	14	100%	Buckton	0.04	Prime	N	N	N	N	N	Y	N
132.24	132.30	70E	35%	Frederick	0.02	N	N	N	Y	N	Y	N	N
			65%	Rock outcrop	0.04	N	N	N	Y	N	Y	N	Lithic
132.30	132.30	40D2	44%	Christian	<0.01	State	N	N	Y	N	Y	Y	N
			56%	Frederick	<0.01	State	N	N	Y	N	Y	N	N
132.30	132.36	75C2	100%	Shenval	0.06	State	N	N	Y	N	Y	Y	N
132.36	132.39	91B	100%	Wheeling	0.04	Prime	N	N	N	N	N	N	N
132.39	132.40	40C2	44%	Christian	<0.01	State	N	N	Y	N	Y	Y	N
			56%	Frederick	<0.01	State	N	N	Y	N	Y	N	N
132.40	132.52	40D2	44%	Christian	0.05	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.07	State	N	N	Y	N	Y	N	N
132.52	132.67	70E	35%	Frederick	0.05	N	N	N	Y	N	Y	N	N
			65%	Rock outcrop	0.10	N	N	N	Y	N	Y	N	Lithic
132.67	132.83	40D2	44%	Christian	0.07	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.09	State	N	N	Y	N	Y	N	N
132.83	132.95	45C2	38%	Rock outcrop	0.04	N	N	N	N	N	N	N	Lithic
			63%	Frederick	0.07	N	N	N	N	N	N	N	N
132.95	132.97	70E	35%	Frederick	<0.01	N	N	N	Y	N	Y	N	N
			65%	Rock outcrop	0.01	N	N	N	Y	N	Y	N	Lithic
132.97	133.06	40C2	44%	Christian	0.04	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.05	State	N	N	Y	N	Y	N	N
133.06	133.18	42D2	47%	Christian	0.06	State	N	N	Y	N	Y	Y	N
			53%	Frederick	0.07	State	N	N	Y	N	Y	Y	N
133.18	133.22	42C2	44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.02	State	N	N	Y	N	Y	Y	N
133.22	133.28	43D	44%	Christian	0.03	N	N	N	Y	N	Y	Y	N
			56%	Frederick	0.03	N	N	N	Y	N	Y	Y	N
133.28	133.36	42D2	47%	Christian	0.04	State	N	N	Y	N	Y	Y	N
			53%	Frederick	0.04	State	N	N	Y	N	Y	Y	N
133.36	133.42	42B2	41%	Christian	0.02	Prime	N	N	N	N	Y	Y	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
133.42	133.49	43D	59%	Frederick	0.03	Prime	N	N	N	N	N	Y	N
			44%	Christian	0.03	N	N	N	Y	N	Y	Y	N
			56%	Frederick	0.04	N	N	N	Y	N	Y	Y	N
133.49	133.58	42D2	47%	Christian	0.04	State	N	N	Y	N	Y	Y	N
			53%	Frederick	0.05	State	N	N	Y	N	Y	Y	N
			44%	Christian	0.02	N	N	N	Y	N	Y	Y	N
133.58	133.63	43D	56%	Frederick	0.03	N	N	N	Y	N	Y	Y	N
			44%	Christian	0.01	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.02	State	N	N	Y	N	Y	Y	N
133.63	133.66	42C2	44%	Christian	0.01	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.02	State	N	N	Y	N	Y	Y	N
			35%	Frederick	0.04	N	N	N	Y	N	Y	N	N
133.66	133.78	70E	65%	Rock outcrop	0.08	N	N	N	Y	N	Y	N	Lithic
			42%	Frederick	0.03	N	N	N	N	N	Y	N	N
			58%	Rock outcrop	0.04	N	N	N	N	N	Y	N	Lithic
133.78	133.85	70C	35%	Frederick	0.03	N	N	N	Y	N	Y	N	N
			65%	Rock outcrop	0.05	N	N	N	Y	N	Y	N	Lithic
			47%	Christian	0.08	State	N	N	Y	N	Y	Y	N
133.85	133.93	70E	53%	Frederick	0.09	State	N	N	Y	N	Y	Y	N
			44%	Christian	<0.01	N	N	N	Y	N	Y	Y	N
			56%	Frederick	<0.01	N	N	N	Y	N	Y	Y	N
133.93	134.09	42D2	47%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			53%	Frederick	0.03	State	N	N	Y	N	Y	Y	N
			44%	Christian	0.01	State	N	N	Y	N	Y	Y	N
134.09	134.10	43D	56%	Frederick	0.01	State	N	N	Y	N	Y	Y	N
			47%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			53%	Frederick	0.03	State	N	N	Y	N	Y	Y	N
134.10	134.15	42D2	44%	Christian	0.01	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.02	State	N	N	Y	N	Y	N	N
			44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
134.15	134.17	40D2	56%	Frederick	0.03	State	N	N	Y	N	Y	Y	N
			44%	Christian	0.01	State	N	N	Y	N	Y	Y	N
			100%	Fluvaquents	0.04	N	Y	N	N	N	N	N	Y
134.17	134.22	39	44%	Christian	0.09	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.11	State	N	N	Y	N	Y	N	N
			47%	Christian	0.02	State	N	N	Y	N	Y	Y	N
134.22	134.41	40C2	53%	Frederick	0.02	State	N	N	Y	N	Y	Y	N
			44%	Christian	0.05	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.06	State	N	N	Y	N	Y	N	N
134.41	134.45	42D2	44%	Christian	0.03	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.04	State	N	N	Y	N	Y	Y	N
			47%	Christian	0.02	State	N	N	Y	N	Y	Y	N
134.45	134.56	40C2	44%	Christian	0.05	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.06	State	N	N	Y	N	Y	N	N
			44%	Christian	0.03	State	N	N	Y	N	Y	Y	N
134.56	134.63	42C2	56%	Frederick	0.04	State	N	N	Y	N	Y	Y	N
			44%	Christian	0.08	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.10	State	N	N	Y	N	Y	N	N
134.63	134.81	40C2	38%	Christian	0.02	Prime	N	N	N	N	N	Y	N
			63%	Frederick	0.03	Prime	N	N	N	N	N	N	N
			44%	Christian	0.05	State	N	N	Y	N	Y	Y	N
134.81	134.86	40B2	56%	Frederick	0.06	State	N	N	Y	N	Y	N	N
			38%	Rock outcrop	0.04	N	N	N	N	N	N	N	Lithic
			63%	Frederick	0.07	N	N	N	N	N	N	N	N
134.86	134.96	40C2	44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.02	State	N	N	Y	N	Y	N	N
			44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
134.96	135.07	45C2	56%	Frederick	0.02	State	N	N	Y	N	Y	Y	N
			38%	Rock outcrop	0.02	State	N	N	Y	N	Y	Y	N
			63%	Frederick	0.03	N	N	N	N	N	N	N	N
135.07	135.11	40C2	44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.02	State	N	N	Y	N	Y	N	N
			44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
135.11	135.15	40D2	56%	Frederick	0.03	State	N	N	Y	N	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
135.15	135.18	40B2	38%	Christian	0.01	Prime	N	N	N	N	N	Y	N
			63%	Frederick	0.02	Prime	N	N	N	N	N	N	N
135.18	135.27	40D2	44%	Christian	0.04	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.05	State	N	N	Y	N	Y	N	N
135.27	135.28	70C	42%	Frederick	0.01	N	N	N	N	N	Y	N	N
			58%	Rock outcrop	0.01	N	N	N	N	N	Y	N	Lithic
135.28	135.29	40D2	44%	Christian	0.01	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.01	State	N	N	Y	N	Y	N	N
135.29	135.42	40C2	44%	Christian	0.06	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.08	State	N	N	Y	N	Y	N	N
135.42	135.45	40B2	38%	Christian	0.01	Prime	N	N	N	N	N	Y	N
			63%	Frederick	0.02	Prime	N	N	N	N	N	N	N
135.45	135.47	40C2	44%	Christian	0.01	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.01	State	N	N	Y	N	Y	N	N
135.47	135.55	42D2	47%	Christian	0.04	State	N	N	Y	N	Y	Y	N
			53%	Frederick	0.05	State	N	N	Y	N	Y	Y	N
135.55	135.57	40C2	44%	Christian	0.01	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.01	State	N	N	Y	N	Y	N	N
135.57	135.61	40B2	38%	Christian	0.02	Prime	N	N	N	N	N	Y	N
			63%	Frederick	0.03	Prime	N	N	N	N	N	N	N
135.61	135.65	40C2	44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.03	State	N	N	Y	N	Y	N	N
135.65	135.70	40D2	44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.03	State	N	N	Y	N	Y	N	N
135.70	135.73	40B2	38%	Christian	0.01	Prime	N	N	N	N	N	Y	N
			63%	Frederick	0.02	Prime	N	N	N	N	N	N	N
135.73	135.86	40C2	44%	Christian	0.06	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.08	State	N	N	Y	N	Y	N	N
135.86	135.88	42D2	47%	Christian	0.01	State	N	N	Y	N	Y	Y	N
			53%	Frederick	0.01	State	N	N	Y	N	Y	Y	N
135.88	135.91	40D2	44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.02	State	N	N	Y	N	Y	N	N
135.91	136.03	24C2	100%	Christian	0.14	State	N	N	Y	N	Y	Y	N
136.03	136.06	40C2	44%	Christian	0.01	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.02	State	N	N	Y	N	Y	N	N
136.06	136.10	40B2	38%	Christian	0.02	Prime	N	N	N	N	N	Y	N
			63%	Frederick	0.03	Prime	N	N	N	N	N	N	N
136.10	136.22	40C2	44%	Christian	0.06	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.08	State	N	N	Y	N	Y	N	N
136.22	136.25	42C2	44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.02	State	N	N	Y	N	Y	Y	N
136.25	136.34	40C2	44%	Christian	0.04	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.05	State	N	N	Y	N	Y	N	N
136.34	136.35	42C2	44%	Christian	0.01	State	N	N	Y	N	Y	Y	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
136.35	136.41	40C2	56%	Frederick	0.01	State	N	N	Y	N	Y	Y	N
			44%	Christian	0.03	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.04	State	N	N	Y	N	Y	N	N
136.41	136.43	40B2	38%	Christian	0.01	Prime	N	N	N	N	N	Y	N
			63%	Frederick	0.01	Prime	N	N	N	N	N	N	N
			44%	Christian	0.05	State	N	N	Y	N	Y	Y	N
136.43	136.53	40C2	56%	Frederick	0.07	State	N	N	Y	N	Y	N	N
			38%	Christian	0.08	Prime	N	N	N	N	N	Y	N
			63%	Frederick	0.14	Prime	N	N	N	N	N	N	N
136.53	136.73	40B2	44%	Christian	0.03	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.04	State	N	N	Y	N	Y	N	N
			38%	Christian	0.01	Prime	N	N	N	N	N	Y	N
136.73	136.80	40C2	63%	Frederick	0.03	State	N	N	Y	N	Y	Y	N
			44%	Christian	0.04	Prime	N	N	N	N	N	N	N
			56%	Frederick	0.04	State	N	N	Y	N	Y	N	N
136.80	136.82	40B2	38%	Christian	0.01	Prime	N	N	N	N	N	Y	N
			63%	Frederick	0.01	Prime	N	N	N	N	N	N	N
			44%	Christian	0.04	State	N	N	Y	N	Y	Y	N
136.82	136.90	40C2	56%	Frederick	0.05	State	N	N	Y	N	Y	N	N
			44%	Christian	0.01	N	N	N	Y	N	Y	Y	N
			56%	Frederick	0.01	N	N	N	Y	N	Y	N	N
136.90	136.92	41C3	44%	Christian	0.01	N	N	N	Y	N	Y	Y	N
			56%	Frederick	0.01	N	N	N	Y	N	Y	N	N
			44%	Christian	0.01	State	N	N	Y	N	Y	Y	N
136.92	136.95	40C2	56%	Frederick	0.02	State	N	N	Y	N	Y	Y	N
			38%	Christian	0.01	Prime	N	N	N	N	N	Y	N
			63%	Frederick	0.02	Prime	N	N	N	N	N	N	N
136.95	136.97	40B2	44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.02	State	N	N	Y	N	Y	N	N
			38%	Christian	0.01	Prime	N	N	N	N	N	N	N
136.97	137.01	40C2	63%	Frederick	0.02	Prime	N	N	N	N	N	N	N
			44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.02	State	N	N	Y	N	Y	N	N
137.01	137.06	82	100%	Udifluvents	0.06	N	N	N	N	N	N	Y	N
137.06	137.12	42D2	47%	Christian	0.03	State	N	N	Y	N	Y	Y	N
			53%	Frederick	0.04	State	N	N	Y	N	Y	Y	N
			44%	Christian	0.07	State	N	N	Y	N	Y	Y	N
137.12	137.27	40C2	56%	Frederick	0.09	State	N	N	Y	N	Y	N	N
			44%	Christian	0.05	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.06	State	N	N	Y	N	Y	N	N
137.27	137.36	40D2	44%	Christian	0.05	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.06	State	N	N	Y	N	Y	N	N
			44%	Christian	0.03	State	N	N	Y	N	Y	Y	N
137.36	137.42	40C2	56%	Frederick	0.04	State	N	N	Y	N	Y	N	N
			38%	Christian	0.04	Prime	N	N	N	N	N	Y	N
			63%	Frederick	0.07	Prime	N	N	N	N	N	N	N
137.51	137.79	40C2	44%	Christian	0.14	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.18	State	N	N	Y	N	Y	N	N
			38%	Christian	0.02	Prime	N	N	N	N	N	Y	N
137.79	137.82	40B2	63%	Frederick	0.03	Prime	N	N	N	N	N	N	N
			44%	Christian	0.01	N	N	N	Y	N	Y	Y	N
			56%	Frederick	0.01	N	N	N	Y	N	Y	N	N
137.82	137.84	41C3	44%	Christian	0.09	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.11	State	N	N	Y	N	Y	N	N
			44%	Christian	0.09	State	N	N	Y	N	Y	Y	N
137.84	138.01	40C2	56%	Frederick	0.11	State	N	N	Y	N	Y	N	N
			100%	Bookwood	0.11	State	N	N	Y	N	Y	Y	Lithic
			100%	Bookwood	0.03	State	N	N	Y	N	Y	Y	Lithic

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
138.14	138.26	10C2	100%	Bookwood	0.14	State	N	N	Y	N	Y	Y	Lithic
138.26	138.31	10B2	100%	Bookwood	0.05	Prime	N	N	N	N	N	Y	Lithic
138.31	138.33	10E2	100%	Bookwood	0.03	N	N	N	Y	N	Y	Y	Lithic
138.33	138.47	42D2	47%	Christian	0.07	State	N	N	Y	N	Y	Y	N
			53%	Frederick	0.08	State	N	N	Y	N	Y	Y	N
138.47	138.54	40C2	44%	Christian	0.03	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.04	State	N	N	Y	N	Y	N	N
138.54	138.72	42D2	47%	Christian	0.09	State	N	N	Y	N	Y	Y	N
			53%	Frederick	0.11	State	N	N	Y	N	Y	Y	N
138.72	138.77	40E2	47%	Christian	0.03	N	N	N	Y	N	Y	Y	N
			53%	Frederick	0.03	N	N	N	Y	N	Y	N	N
138.77	138.85	40D2	44%	Christian	0.04	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.05	State	N	N	Y	N	Y	N	N
138.85	138.87	10E2	100%	Bookwood	0.03	N	N	N	Y	N	Y	Y	Lithic
138.87	138.91	40C2	44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.02	State	N	N	Y	N	Y	N	N
138.91	139.01	40B2	38%	Christian	0.04	Prime	N	N	N	N	N	Y	N
			63%	Frederick	0.07	Prime	N	N	N	N	N	N	N
139.01	139.10	45C2	38%	Rock outcrop	0.04	N	N	N	N	N	N	N	Lithic
			63%	Frederick	0.06	N	N	N	N	N	N	N	N
139.10	139.19	60	100%	Massanetta	0.11	Prime	N	N	N	N	N	Y	Lithic
139.19	139.28	42D2	47%	Christian	0.05	State	N	N	Y	N	Y	Y	N
			53%	Frederick	0.05	State	N	N	Y	N	Y	Y	N
139.28	139.32	42E2	44%	Christian	0.02	N	N	N	Y	N	Y	Y	N
			56%	Frederick	0.02	N	N	N	Y	N	Y	Y	N
139.32	139.35	40B2	38%	Christian	0.01	Prime	N	N	N	N	N	Y	N
			63%	Frederick	0.02	Prime	N	N	N	N	N	N	N
139.35	139.37	40D2	44%	Christian	0.01	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.02	State	N	N	Y	N	Y	N	N
139.37	139.42	45E2	44%	Rock outcrop	0.02	N	N	N	N	N	N	N	Lithic
			56%	Frederick	0.03	N	N	N	Y	N	Y	N	N
139.42	139.47	70E	35%	Frederick	0.02	N	N	N	Y	N	Y	N	N
			65%	Rock outcrop	0.04	N	N	N	Y	N	Y	N	Lithic
139.47	139.57	40D2	44%	Christian	0.05	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.06	State	N	N	Y	N	Y	N	N
139.57	139.61	60	100%	Massanetta	0.05	Prime	N	N	N	N	N	Y	Lithic
139.61	139.67	40C2	44%	Christian	0.03	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.03	State	N	N	Y	N	Y	N	N
139.67	139.86	42C2	44%	Christian	0.08	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.11	State	N	N	Y	N	Y	Y	N
139.86	139.89	46C	50%	Frederick	0.01	N	N	N	Y	N	Y	Y	N
				Nixa	0.01	N	N	N	Y	N	Y	Y	N
139.89	139.97	40C2	44%	Christian	0.04	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.05	State	N	N	Y	N	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
139.97	140.01	79B	100%	Timberville	0.03	N	N	N	N	N	N	Y	N
140.01	140.03	42C2	44%	Christian	0.01	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.01	State	N	N	Y	N	Y	Y	N
140.03	140.13	40C2	44%	Christian	0.05	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.06	State	N	N	Y	N	Y	N	N
140.13	140.17	45C2	38%	Rock outcrop	0.01	N	N	N	N	N	N	N	Lithic
			63%	Frederick	0.02	N	N	N	N	N	N	N	N
140.17	140.22	40D2	44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.03	State	N	N	Y	N	Y	N	N
140.22	140.29	45C2	38%	Rock outcrop	0.03	N	N	N	N	N	N	N	Lithic
			63%	Frederick	0.05	N	N	N	N	N	N	N	N
140.29	140.36	42C2	44%	Christian	0.03	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.04	State	N	N	Y	N	Y	Y	N
140.36	140.47	42D2	47%	Christian	0.05	State	N	N	Y	N	Y	Y	N
			53%	Frederick	0.05	State	N	N	Y	N	Y	Y	N
140.47	140.77	42C2	44%	Christian	0.13	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.17	State	N	N	Y	N	Y	Y	N
140.77	140.82	40C2	44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.03	State	N	N	Y	N	Y	N	N
140.82	140.95	20C2	100%	Chilhowie	0.13	N	N	N	Y	N	Y	Y	Lithic
140.95	141.21	30C2	100%	Edom	0.26	State	N	N	Y	N	Y	Y	Paralithic
141.21	141.61	20C2	100%	Chilhowie	0.40	N	N	N	Y	N	Y	Y	Lithic
141.61	141.66	74C2	42%	Berks	0.02	State	N	N	Y	N	Y	Y	Paralithic
			58%	Sequoia	0.03	State	N	N	Y	N	Y	N	Paralithic
141.66	141.66	90D2	44%	Berks	<0.01	N	N	N	Y	N	Y	Y	Paralithic
			56%	Weikert	<0.01	N	N	N	Y	N	Y	Y	Paralithic
141.66	141.78	74C2	42%	Berks	0.05	State	N	N	Y	N	Y	Y	Paralithic
			58%	Sequoia	0.07	State	N	N	Y	N	Y	N	Paralithic
141.78	141.83	73B2	100%	Sequoia	0.05	Prime	N	N	N	N	N	N	Paralithic
141.83	141.88	21E3	100%	Chilhowie	0.05	N	N	N	Y	N	Y	Y	Lithic
141.88	141.96	73B2	100%	Sequoia	0.08	Prime	N	N	N	N	N	N	Paralithic
141.96	142.11	20C2	100%	Chilhowie	0.15	N	N	N	Y	N	Y	Y	Lithic
142.11	142.18	32E2	35%	Rock outcrop	0.02	N	N	N	N	N	N	N	Lithic
			65%	Edom	0.04	N	N	N	Y	N	Y	Y	Paralithic
142.18	142.26	30D2	100%	Edom	0.08	State	N	N	Y	N	Y	Y	Paralithic
142.26	142.36	82	100%	Udifluvents	0.10	N	N	N	N	N	N	Y	N
142.36	142.40	11B	100%	Buchanan	0.04	N	N	N	N	N	N	Y	N
142.40	142.53	82	100%	Udifluvents	0.13	N	N	N	N	N	N	Y	N
142.53	142.56	21E3	100%	Chilhowie	0.03	N	N	N	Y	N	Y	Y	Lithic
142.56	142.65	30B2	100%	Edom	0.09	Prime	N	N	N	N	N	Y	Paralithic
142.65	142.90	30C2	100%	Edom	0.25	State	N	N	Y	N	Y	Y	Paralithic
142.90	142.95	20B2	100%	Chilhowie	0.05	N	N	N	N	N	N	Y	Lithic
142.95	143.05	20C2	100%	Chilhowie	0.10	N	N	N	Y	N	Y	Y	Lithic
143.05	143.16	5	100%	Aqualfs	0.11	N	Y	Y	N	N	N	Y	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
143.16	143.18	20C2	100%	Chilhowie	0.02	N	N	N	Y	N	Y	Y	Lithic
143.18	143.22	5	100%	Aqualfs	0.05	N	Y	Y	N	N	N	Y	N
143.22	143.36	35B2	100%	Endcav	0.14	Prime	N	N	N	N	N	N	Lithic
143.36	143.43	40C2	44%	Christian	0.03	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.04	State	N	N	Y	N	Y	N	N
143.43	143.44	40B2	38%	Christian	0.01	Prime	N	N	N	N	N	Y	N
			63%	Frederick	0.01	Prime	N	N	N	N	N	N	N
143.44	143.52	40C2	44%	Christian	0.04	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.05	State	N	N	Y	N	Y	N	N
143.52	143.56	70C	42%	Frederick	0.01	N	N	N	N	N	Y	N	N
			58%	Rock outcrop	0.02	N	N	N	N	N	Y	N	Lithic
143.56	143.73	45C2	38%	Rock outcrop	0.07	N	N	N	N	N	N	N	Lithic
			63%	Frederick	0.11	N	N	N	N	N	N	N	N
143.73	143.83	5	100%	Aqualfs	0.10	N	Y	Y	N	N	N	Y	N
143.83	143.91	11B	100%	Buchanan	0.09	N	N	N	N	N	N	Y	N
143.91	143.94	5	100%	Aqualfs	0.03	N	Y	Y	N	N	N	Y	N
143.94	144.04	11A	100%	Buchanan	0.10	N	N	N	N	N	N	Y	N
144.04	144.17	41C3	44%	Christian	0.06	N	N	N	Y	N	Y	Y	N
			56%	Frederick	0.08	N	N	N	Y	N	Y	N	N
144.17	144.21	40B2	38%	Christian	0.02	Prime	N	N	N	N	N	Y	N
			63%	Frederick	0.03	Prime	N	N	N	N	N	N	N
144.21	144.25	41B3	41%	Christian	0.01	N	N	N	N	N	N	Y	N
			59%	Frederick	0.02	N	N	N	N	N	N	N	N
144.25	144.32	41C3	44%	Christian	0.03	N	N	N	Y	N	Y	Y	N
			56%	Frederick	0.04	N	N	N	Y	N	Y	N	N
144.32	144.42	42C2	44%	Christian	0.05	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.06	State	N	N	Y	N	Y	Y	N
144.42	144.47	42B2	41%	Christian	0.02	Prime	N	N	N	N	N	Y	N
			59%	Frederick	0.03	Prime	N	N	N	N	N	Y	N
144.47	144.51	42C2	44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.02	State	N	N	Y	N	Y	Y	N
144.51	144.56	42B2	41%	Christian	0.02	Prime	N	N	N	N	N	Y	N
			59%	Frederick	0.03	Prime	N	N	N	N	N	Y	N
144.56	144.61	42C2	44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.03	State	N	N	Y	N	Y	Y	N
144.61	144.69	40B2	38%	Christian	0.03	Prime	N	N	N	N	N	Y	N
			63%	Frederick	0.05	Prime	N	N	N	N	N	N	N
144.69	145.26	40C2	44%	Christian	0.25	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.32	State	N	N	Y	N	Y	N	N
145.26	145.51	40B2	38%	Christian	0.10	Prime	N	N	N	N	N	Y	N
			63%	Frederick	0.17	Prime	N	N	N	N	N	N	N
145.51	145.56	40C2	44%	Christian	0.02	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.02	State	N	N	Y	N	Y	N	N
145.56	145.63	39	100%	Fluvaquents	0.07	N	Y	N	N	N	N	Y	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
147.37	147.41	10B2	100%	Bookwood	0.03	Prime	N	N	N	N	N	Y	Lithic
147.41	147.55	79B	100%	Timberville	0.10	N	N	N	N	N	N	Y	N
147.55	147.64	10B2	100%	Bookwood	0.07	Prime	N	N	N	N	N	Y	Lithic
147.64	147.72	40C2	44%	Christian	0.03	State	N	N	Y	N	Y	Y	N
			56%	Frederick	0.03	State	N	N	Y	N	Y	N	N
147.72	147.76	40B2	38%	Christian	0.01	Prime	N	N	N	N	N	Y	N
			63%	Frederick	0.02	Prime	N	N	N	N	N	N	N
147.76	147.99	45C2	38%	Rock outcrop	0.07	N	N	N	N	N	N	N	Lithic
			63%	Frederick	0.11	N	N	N	N	N	N	N	N
147.99	148.03	86C2	100%	Unison	0.03	State	N	N	Y	N	Y	Y	N
148.03	148.09	39	100%	Fluvaquents	0.05	N	Y	N	N	N	N	Y	N
148.09	148.20	86B	100%	Unison	0.08	Prime	N	N	N	N	N	Y	N
148.20	148.24	39	100%	Fluvaquents	0.03	N	Y	N	N	N	N	Y	N
148.24	148.35	19	100%	Chavies	0.08	Prime	N	N	N	N	N	N	N
148.35	148.48	11A	100%	Buchanan	0.10	N	N	N	N	N	N	Y	N
148.48	148.62	39	100%	Fluvaquents	0.10	N	Y	N	N	N	N	Y	N
148.62	148.73	3B	47%	Cotaco	0.04	Prime	N	N	N	N	N	Y	N
			53%	Allegheny	0.05	Prime	N	N	N	N	N	N	N
148.73	148.83	86C2	100%	Unison	0.07	State	N	N	Y	N	Y	Y	N
148.83	148.88	3B	47%	Cotaco	0.02	Prime	N	N	N	N	N	Y	N
			53%	Allegheny	0.02	Prime	N	N	N	N	N	N	N
148.88	149.17	86B	100%	Unison	0.22	Prime	N	N	N	N	N	Y	N
149.17	149.27	86C2	100%	Unison	0.07	State	N	N	Y	N	Y	Y	N
149.27	149.33	86B	100%	Unison	0.05	Prime	N	N	N	N	N	Y	N
149.33	149.39	3B	47%	Cotaco	0.02	Prime	N	N	N	N	N	Y	N
			53%	Allegheny	0.02	Prime	N	N	N	N	N	N	N
149.39	149.44	86B	100%	Unison	0.03	Prime	N	N	N	N	N	Y	N
149.44	149.79	3B	47%	Cotaco	0.13	Prime	N	N	N	N	N	Y	N
			53%	Allegheny	0.14	Prime	N	N	N	N	N	N	N
149.79	149.98	3C	41%	Cotaco	0.06	State	N	N	Y	N	Y	Y	N
			59%	Allegheny	0.08	State	N	N	Y	N	Y	N	N
149.98	150.24	86C2	100%	Unison	0.19	State	N	N	Y	N	Y	Y	N
150.24	150.31	3B	47%	Cotaco	0.03	Prime	N	N	N	N	N	Y	N
			53%	Allegheny	0.03	Prime	N	N	N	N	N	N	N
150.31	150.51	73B2	100%	Sequoia	0.15	Prime	N	N	N	N	N	N	Paralithic
150.51	150.58	86B	100%	Unison	0.06	Prime	N	N	N	N	N	Y	N
150.58	150.74	3B	47%	Cotaco	0.06	Prime	N	N	N	N	N	Y	N
			53%	Allegheny	0.06	Prime	N	N	N	N	N	N	N
150.74	150.80	4C	41%	Cotaco	0.02	State	N	N	Y	N	Y	Y	N
			59%	Allegheny	0.03	State	N	N	Y	N	Y	Y	N
150.80	150.84	11A	100%	Buchanan	0.03	N	N	N	N	N	N	Y	N
150.84	150.98	3B	47%	Cotaco	0.05	Prime	N	N	N	N	N	Y	N
			53%	Allegheny	0.06	Prime	N	N	N	N	N	N	N
150.98	151.01	26	100%	Cotaco	0.02	Prime	N	N	N	N	N	Y	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
151.01	151.09	78C	100%	Sherando	0.07	N	N	N	Y	N	Y	N	
151.09	151.17	4B	50%	Allegheny	0.03	State	N	N	N	N	N	Y	N
				Cotaco	0.03	State	N	N	N	N	N	Y	N
151.17	151.23	87C	100%	Unison	0.05	State	N	N	Y	N	Y	Y	N
151.23	151.31	26	100%	Cotaco	0.06	Prime	N	N	N	N	N	Y	N
151.31	151.40	4B	50%	Allegheny	0.04	State	N	N	N	N	N	Y	N
				Cotaco	0.04	State	N	N	N	N	N	Y	N
151.40	151.59	28	100%	Craigsville	0.15	N	N	N	N	N	Y	Y	N
151.59	151.61	15C	100%	Burketown	0.02	N	N	N	Y	N	Y	N	N
151.61	151.63	3C	41%	Cotaco	<0.01	State	N	N	Y	N	Y	Y	N
			59%	Allegheny	0.01	State	N	N	Y	N	Y	N	N
151.63	151.67	15C	100%	Burketown	0.04	N	N	N	Y	N	Y	N	N
151.67	151.72	3C	41%	Cotaco	0.02	State	N	N	Y	N	Y	Y	N
			59%	Allegheny	0.03	State	N	N	Y	N	Y	N	N
151.72	151.79	86B	100%	Unison	0.06	Prime	N	N	N	N	N	Y	N
151.79	152.04	86C2	100%	Unison	0.20	State	N	N	Y	N	Y	Y	N
152.04	152.10	86B	100%	Unison	0.05	Prime	N	N	N	N	N	Y	N
152.10	152.19	86C2	100%	Unison	0.09	State	N	N	Y	N	Y	Y	N
152.19	152.25	3B	47%	Cotaco	0.03	Prime	N	N	N	N	N	Y	N
			53%	Allegheny	0.03	Prime	N	N	N	N	N	N	N
152.25	152.32	67	100%	Purdy	0.06	N	Y	Y	N	N	N	Y	N
152.32	152.33	4C	41%	Cotaco	0.01	State	N	N	Y	N	Y	Y	N
			59%	Allegheny	0.01	State	N	N	Y	N	Y	Y	N
152.33	152.37	3B	47%	Cotaco	0.02	Prime	N	N	N	N	N	Y	N
			53%	Allegheny	0.02	Prime	N	N	N	N	N	N	N
152.37	152.38	4C	41%	Cotaco	0.01	State	N	N	Y	N	Y	Y	N
			59%	Allegheny	0.01	State	N	N	Y	N	Y	Y	N
152.38	152.46	67	100%	Purdy	0.08	N	Y	Y	N	N	N	Y	N
152.46	152.71	3B	47%	Cotaco	0.11	Prime	N	N	N	N	N	Y	N
			53%	Allegheny	0.13	Prime	N	N	N	N	N	N	N
152.71	152.74	26	100%	Cotaco	0.03	Prime	N	N	N	N	N	Y	N
152.74	152.83	28	100%	Craigsville	0.09	N	N	N	N	N	Y	Y	N
152.83	152.86	19	100%	Chavies	0.03	Prime	N	N	N	N	N	N	N
152.86	152.94	28	100%	Craigsville	0.08	N	N	N	N	N	Y	Y	N
152.94	153.00	4C	41%	Cotaco	0.03	State	N	N	Y	N	Y	Y	N
153.00	153.09	4B	50%	Allegheny	0.04	State	N	N	N	N	N	Y	N
				Cotaco	0.04	State	N	N	N	N	N	Y	N
153.09	153.13	19	100%	Chavies	0.05	Prime	N	N	N	N	N	N	N
153.13	153.15	78E	100%	Sherando	0.02	N	N	N	Y	N	Y	Y	N
153.15	153.20	4B	50%	Allegheny	0.03	State	N	N	N	N	N	Y	N
				Cotaco	0.03	State	N	N	N	N	N	Y	N
153.20	153.24	66	100%	Philo	0.04	State	N	N	N	N	N	Y	N
153.24	153.33	62B	100%	Monongahela	0.10	N	N	N	N	N	N	Y	N
153.33	153.37	78E	100%	Sherando	0.04	N	N	N	Y	N	Y	Y	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
153.37	153.48	28	100%	Craigsville	0.11	N	N	N	N	N	Y	Y	N
153.48	153.56	63B	100%	Monongahela	0.08	N	N	N	N	N	N	Y	N
153.56	153.95	28	100%	Craigsville	0.39	N	N	N	N	N	Y	Y	N
153.95	154.00	16E	100%	Cataska	0.05	N	N	N	Y	N	Y	Y	Lithic
154.00	154.09	16E	100%	Cataska	0.09	N	N	N	Y	N	Y	Y	Lithic
154.09	154.15	62C	100%	Monongahela	0.06	N	N	N	Y	N	Y	Y	N
154.15	154.34	16E	100%	Cataska	0.20	N	N	N	Y	N	Y	Y	Lithic
154.34	154.45	48E	100%	Hartleton	0.10	N	N	N	Y	N	Y	Y	Lithic
154.45	154.92	59E	100%	Lew	0.48	N	N	N	Y	N	Y	Y	N
154.92	154.93	58D	100%	Lew	0.01	State	N	N	Y	N	Y	Y	N
154.93	155.04	59E	100%	Lew	0.11	N	N	N	Y	N	Y	Y	N
155.04	155.05	58D	100%	Lew	0.02	State	N	N	Y	N	Y	Y	N
155.05	155.13	59E	100%	Lew	0.09	N	N	N	Y	N	Y	Y	N
155.13	155.97	59E	100%	Lew	0.94	N	N	N	Y	N	Y	Y	N
155.97	156.45	27	100%	Craigsville	0.50	N	N	N	N	N	N	Y	N
156.45	157.04	59E	100%	Lew	0.63	N	N	N	Y	N	Y	Y	N
157.04	157.09	16E	100%	Cataska	0.06	N	N	N	Y	N	Y	Y	Lithic
157.09	157.12	16F	100%	Cataska	0.04	N	N	N	Y	N	Y	Y	Lithic
157.12	157.12	27	100%	Craigsville	<0.01	N	N	N	N	N	N	Y	N
157.12	157.19	16F	100%	Cataska	0.08	N	N	N	Y	N	Y	Y	Lithic
157.19	157.19	59E	100%	Lew	0.01	N	N	N	Y	N	Y	Y	N
157.19	157.20	27	100%	Craigsville	0.01	N	N	N	N	N	N	Y	N
157.20	157.22	59E	100%	Lew	0.02	N	N	N	Y	N	Y	Y	N
157.22	157.22	28	100%	Craigsville	<0.01	N	N	N	N	N	Y	Y	N
157.22	157.85	59E	100%	Lew	0.73	N	N	N	Y	N	Y	Y	N
157.85	158.01	59F	100%	Lew	0.16	N	N	N	Y	N	Y	Y	N
158.01	158.14	59F	100%	Lew	0.13	N	N	N	Y	N	Y	Y	N
158.14	158.17	59F	100%	Lew	0.04	N	N	N	Y	N	Y	Y	N
158.17	158.22	59F	100%	Lew	0.04	N	N	N	Y	N	Y	Y	N
158.22	158.24	58D	100%	Lew	0.03	State	N	N	Y	N	Y	Y	N
158.24	158.24	33E	39%	Catoctin	<0.01	N	N	N	Y	N	Y	Y	Lithic
			61%	Myersville	<0.01	N	N	N	Y	N	Y	Y	Paralithic
		58D	100%	Lew	<0.01	State	N	N	Y	N	Y	Y	N
158.24	158.25	33E	39%	Catoctin	<0.01	N	N	N	Y	N	Y	Y	Lithic
			61%	Myersville	<0.01	N	N	N	Y	N	Y	Y	Paralithic
Nelson County, VA													
158.25	158.27	33E	39%	Catoctin	0.01	N	N	N	Y	N	Y	Y	Lithic
			61%	Myersville	0.02	N	N	N	Y	N	Y	Y	Paralithic
158.27	158.35	33E	39%	Catoctin	0.03	N	N	N	Y	N	Y	Y	Lithic
			61%	Myersville	0.05	N	N	N	Y	N	Y	Y	Paralithic
158.35	158.67	30E	100%	Lew	0.32	N	N	N	Y	N	Y	Y	N
158.67	158.96	30D	100%	Lew	0.29	N	N	N	Y	N	Y	Y	N
158.96	159.09	14E	39%	Peaks	0.05	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.08	N	N	N	Y	N	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
159.09	159.32	36E	33%	Rock outcrop	0.08	N	N	N	Y	N	Y	N	Lithic
			67%	Peaks	0.16	N	N	N	Y	N	Y	Y	Lithic
159.32	159.44	14C	39%	Peaks	0.05	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.07	N	N	N	Y	N	Y	N	N
159.44	160.62	14E	39%	Peaks	0.47	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.74	N	N	N	Y	N	Y	N	N
160.62	160.67	13C	100%	Edneytown	0.06	State	N	N	Y	N	Y	N	N
160.67	160.76	14E	39%	Peaks	0.04	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.06	N	N	N	Y	N	Y	N	N
160.76	160.76	14D	39%	Peaks	<0.01	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	<0.01	N	N	N	Y	N	Y	N	N
160.76	160.79	14E	39%	Peaks	0.01	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.02	N	N	N	Y	N	Y	N	N
160.79	160.82	14D	39%	Peaks	0.01	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.02	N	N	N	Y	N	Y	N	N
160.82	160.89	14E	39%	Peaks	0.03	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.05	N	N	N	Y	N	Y	N	N
160.89	160.90	14D	39%	Peaks	<0.01	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.01	N	N	N	Y	N	Y	N	N
160.90	161.14	14E	39%	Peaks	0.10	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.15	N	N	N	Y	N	Y	N	N
161.14	161.70	33E	39%	Catoctin	0.22	N	N	N	Y	N	Y	Y	Lithic
			61%	Myersville	0.34	N	N	N	Y	N	Y	Y	Paralithic
161.70	161.81	32C	100%	Minnieville	0.10	State	N	N	Y	N	Y	N	N
161.81	161.88	14E	39%	Peaks	0.03	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.04	N	N	N	Y	N	Y	N	N
161.88	161.93	14D	39%	Peaks	0.02	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.03	N	N	N	Y	N	Y	N	N
161.93	162.16	14E	39%	Peaks	0.09	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.14	N	N	N	Y	N	Y	N	N
162.16	162.19	22B	100%	Hayesville	0.03	Prime	N	N	N	N	N	Y	N
162.19	162.37	22C	100%	Hayesville	0.19	State	N	N	Y	N	Y	Y	N
162.37	162.42	53C	100%	Wintergreen	0.05	N	N	N	Y	N	Y	Y	N
162.42	162.47	11A	100%	Craigsville	0.05	N	N	N	N	N	N	Y	N
162.47	162.58	22D	100%	Hayesville	0.12	State	N	N	Y	N	Y	Y	N
162.58	162.66	52C	100%	Wintergreen	0.08	State	N	N	Y	N	Y	Y	N
162.66	162.80	52D	100%	Wintergreen	0.15	State	N	N	Y	N	Y	Y	N
162.80	162.90	52C	100%	Wintergreen	0.10	State	N	N	Y	N	Y	Y	N
162.90	163.07	34E	100%	Occoquan	0.18	N	N	N	Y	N	Y	N	Paralithic
163.07	163.35	11A	100%	Craigsville	0.28	N	N	N	N	N	N	Y	N
163.35	163.45	21A	100%	Hatboro	0.11	N	Y	Y	N	N	N	N	N
163.45	163.54	43A	100%	Suches	0.09	N	N	N	N	N	N	N	N
163.54	163.73	11A	100%	Craigsville	0.19	N	N	N	N	N	N	Y	N
163.73	163.86	8A	100%	Codorus	0.14	Prime	N	Y	N	N	N	Y	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
163.86	163.92	43A	100%	Suches	0.05	N	N	N	N	N	N	N	N
163.92	164.00	12B	100%	Delanco	0.09	Prime	N	N	N	N	N	N	N
164.00	164.05	22D	100%	Hayesville	0.05	State	N	N	Y	N	Y	Y	N
164.05	164.09	22C	100%	Hayesville	0.04	State	N	N	Y	N	Y	Y	N
164.09	164.14	23E	100%	Hayesville	0.05	N	N	N	Y	N	Y	Y	N
164.14	164.18	12B	100%	Delanco	0.04	Prime	N	N	N	N	N	N	N
164.18	164.26	34E	100%	Occoquan	0.08	N	N	N	Y	N	Y	N	Paralithic
164.26	164.36	34C	100%	Occoquan	0.10	N	N	N	Y	N	Y	N	Paralithic
164.36	164.40	34E	100%	Occoquan	0.04	N	N	N	Y	N	Y	N	Paralithic
164.40	164.45	12C	100%	Delanco	0.04	State	N	N	Y	N	Y	N	N
164.45	164.47	14E	39%	Peaks	0.01	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.01	N	N	N	Y	N	Y	N	N
164.47	164.48	12C	100%	Delanco	0.02	State	N	N	Y	N	Y	N	N
164.48	164.78	14E	39%	Peaks	0.11	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.18	N	N	N	Y	N	Y	N	N
164.78	164.80	14D	39%	Peaks	0.01	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.02	N	N	N	Y	N	Y	N	N
164.80	165.02	14E	39%	Peaks	0.09	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.13	N	N	N	Y	N	Y	N	N
165.02	165.29	52C	100%	Wintergreen	0.26	State	N	N	Y	N	Y	Y	N
165.29	165.36	39C	100%	Saunook	0.07	State	N	N	Y	N	Y	Y	N
165.36	165.38	12B	100%	Delanco	0.02	Prime	N	N	N	N	N	N	N
165.38	165.46	52D	100%	Wintergreen	0.08	State	N	N	Y	N	Y	Y	N
165.46	165.52	12B	100%	Delanco	0.06	Prime	N	N	N	N	N	N	N
165.52	165.55	52C	100%	Wintergreen	0.03	State	N	N	Y	N	Y	Y	N
165.55	165.78	52B	100%	Wintergreen	0.24	Prime	N	N	N	N	N	Y	N
165.78	165.88	49B	100%	Unison	0.11	Prime	N	N	N	N	N	Y	N
165.88	166.02	11A	100%	Craigsville	0.14	N	N	N	N	N	N	Y	N
166.02	166.07	22E	100%	Hayesville	0.04	N	N	N	Y	N	Y	Y	N
166.07	166.18	52B	100%	Wintergreen	0.11	Prime	N	N	N	N	N	Y	N
166.18	166.23	22E	100%	Hayesville	0.05	N	N	N	Y	N	Y	Y	N
166.23	166.28	43A	100%	Suches	0.06	N	N	N	N	N	N	N	N
166.28	166.31	12B	100%	Delanco	0.02	Prime	N	N	N	N	N	N	N
166.31	166.37	22E	100%	Hayesville	0.07	N	N	N	Y	N	Y	Y	N
166.37	166.45	22C	100%	Hayesville	0.07	State	N	N	Y	N	Y	Y	N
166.45	166.61	14E	39%	Peaks	0.07	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.10	N	N	N	Y	N	Y	N	N
166.61	166.69	24D	100%	Hayesville	0.08	State	N	N	Y	N	Y	Y	N
166.69	166.72	14E	39%	Peaks	0.01	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.02	N	N	N	Y	N	Y	N	N
166.72	166.75	12B	100%	Delanco	0.03	Prime	N	N	N	N	N	N	N
166.75	166.89	22E	100%	Hayesville	0.14	N	N	N	Y	N	Y	Y	N
166.89	166.89	52C	100%	Wintergreen	<0.01	State	N	N	Y	N	Y	Y	N
166.89	166.89	22E	100%	Hayesville	<0.01	N	N	N	Y	N	Y	Y	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
166.89	166.99	52C	100%	Wintergreen	0.10	State	N	N	Y	N	Y	Y	N
166.99	167.06	52D	100%	Wintergreen	0.07	State	N	N	Y	N	Y	Y	N
167.06	167.22	13D	100%	Edneytown	0.18	State	N	N	Y	N	Y	N	N
167.22	167.40	14D	39%	Peaks	0.08	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.12	N	N	N	Y	N	Y	N	N
167.40	167.54	14E	39%	Peaks	0.06	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.09	N	N	N	Y	N	Y	N	N
167.54	167.63	36E	33%	Rock outcrop	0.03	N	N	N	Y	N	Y	N	Lithic
			67%	Peaks	0.06	N	N	N	Y	N	Y	Y	Lithic
167.63	167.65	14D	39%	Peaks	0.01	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.02	N	N	N	Y	N	Y	N	N
167.65	167.68	36E	33%	Rock outcrop	0.01	N	N	N	Y	N	Y	N	Lithic
			67%	Peaks	0.02	N	N	N	Y	N	Y	Y	Lithic
167.68	167.80	14D	39%	Peaks	0.05	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.08	N	N	N	Y	N	Y	N	N
167.80	167.89	14E	39%	Peaks	0.04	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.06	N	N	N	Y	N	Y	N	N
167.89	167.94	14D	39%	Peaks	0.02	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.03	N	N	N	Y	N	Y	N	N
167.94	167.94	14E	39%	Peaks	<0.01	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	<0.01	N	N	N	Y	N	Y	N	N
167.94	168.01	14D	39%	Peaks	0.03	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.04	N	N	N	Y	N	Y	N	N
168.01	168.35	14E	39%	Peaks	0.15	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.23	N	N	N	Y	N	Y	N	N
168.35	168.42	52D	100%	Wintergreen	0.07	State	N	N	Y	N	Y	Y	N
168.42	168.52	52C	100%	Wintergreen	0.11	State	N	N	Y	N	Y	Y	N
168.52	168.57	35E	100%	Occoquan	0.06	N	N	N	Y	N	Y	N	Paralithic
168.57	168.62	52C	100%	Wintergreen	0.05	State	N	N	Y	N	Y	Y	N
168.62	168.64	35E	100%	Occoquan	0.03	N	N	N	Y	N	Y	N	Paralithic
168.64	168.70	52C	100%	Wintergreen	0.06	State	N	N	Y	N	Y	Y	N
168.70	168.76	35E	100%	Occoquan	0.06	N	N	N	Y	N	Y	N	Paralithic
168.76	168.78	10A	100%	Colvard	0.03	Prime	N	N	N	N	N	N	N
168.78	168.83	22E	100%	Hayesville	0.06	N	N	N	Y	N	Y	Y	N
168.83	168.88	52B	100%	Wintergreen	0.05	Prime	N	N	N	N	N	Y	N
168.88	168.96	22E	100%	Hayesville	0.09	N	N	N	Y	N	Y	Y	N
168.96	169.05	52C	100%	Wintergreen	0.09	State	N	N	Y	N	Y	Y	N
169.05	169.08	22D	100%	Hayesville	0.04	State	N	N	Y	N	Y	Y	N
169.08	169.22	52C	100%	Wintergreen	0.15	State	N	N	Y	N	Y	Y	N
169.22	169.27	35E	100%	Occoquan	0.05	N	N	N	Y	N	Y	N	Paralithic
169.27	169.30	10A	100%	Colvard	0.03	Prime	N	N	N	N	N	N	N
169.30	169.40	35E	100%	Occoquan	0.11	N	N	N	Y	N	Y	N	Paralithic
169.40	169.43	22D	100%	Hayesville	0.03	State	N	N	Y	N	Y	Y	N
169.43	169.48	52C	100%	Wintergreen	0.05	State	N	N	Y	N	Y	Y	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
169.48	169.65	34E	100%	Occoquan	0.19	N	N	N	Y	N	Y	N	Paralithic
169.65	169.68	22D	100%	Hayesville	0.03	State	N	N	Y	N	Y	Y	N
169.68	169.72	12B	100%	Delanco	0.04	Prime	N	N	N	N	N	N	N
169.72	169.76	34E	100%	Occoquan	0.05	N	N	N	Y	N	Y	N	Paralithic
169.76	169.81	22D	100%	Hayesville	0.05	State	N	N	Y	N	Y	Y	N
169.81	169.86	22E	100%	Hayesville	0.05	N	N	N	Y	N	Y	Y	N
169.86	169.90	22C	100%	Hayesville	0.04	State	N	N	Y	N	Y	Y	N
169.90	169.92	22D	100%	Hayesville	0.03	State	N	N	Y	N	Y	Y	N
169.92	169.95	35E	100%	Occoquan	0.03	N	N	N	Y	N	Y	N	Paralithic
169.95	169.98	12B	100%	Delanco	0.03	Prime	N	N	N	N	N	N	N
169.98	170.03	22E	100%	Hayesville	0.04	N	N	N	Y	N	Y	Y	N
170.03	170.06	35E	100%	Occoquan	0.03	N	N	N	Y	N	Y	N	Paralithic
170.06	170.09	22C	100%	Hayesville	0.04	State	N	N	Y	N	Y	Y	N
170.09	170.12	35E	100%	Occoquan	0.04	N	N	N	Y	N	Y	N	Paralithic
170.12	170.22	23E	100%	Hayesville	0.13	N	N	N	Y	N	Y	Y	N
170.22	170.34	12B	100%	Delanco	0.15	Prime	N	N	N	N	N	N	N
170.34	170.41	22E	100%	Hayesville	0.09	N	N	N	Y	N	Y	Y	N
170.41	170.45	35E	100%	Occoquan	0.05	N	N	N	Y	N	Y	N	Paralithic
170.45	170.53	22C	100%	Hayesville	0.10	State	N	N	Y	N	Y	Y	N
170.53	170.57	35E	100%	Occoquan	0.06	N	N	N	Y	N	Y	N	Paralithic
170.57	170.69	22C	100%	Hayesville	0.15	State	N	N	Y	N	Y	Y	N
170.69	170.71	22E	100%	Hayesville	0.02	N	N	N	Y	N	Y	Y	N
170.71	170.75	12C	100%	Delanco	0.05	State	N	N	Y	N	Y	N	N
170.75	170.79	23D	100%	Hayesville	0.06	N	N	N	Y	N	Y	Y	N
170.79	170.80	23C	100%	Hayesville	0.01	N	N	N	Y	N	Y	Y	N
170.80	170.86	23D	100%	Hayesville	0.06	N	N	N	Y	N	Y	Y	N
170.86	170.99	12B	100%	Delanco	0.12	Prime	N	N	N	N	N	N	N
170.99	171.02	22D	100%	Hayesville	0.04	State	N	N	Y	N	Y	Y	N
171.02	171.06	22C	100%	Hayesville	0.04	State	N	N	Y	N	Y	Y	N
171.06	171.12	22D	100%	Hayesville	0.05	State	N	N	Y	N	Y	Y	N
171.12	171.22	22C	100%	Hayesville	0.10	State	N	N	Y	N	Y	Y	N
171.22	171.23	34C	100%	Occoquan	0.01	N	N	N	Y	N	Y	N	Paralithic
171.23	171.25	23D	100%	Hayesville	0.02	N	N	N	Y	N	Y	Y	N
171.25	171.28	35E	100%	Occoquan	0.03	N	N	N	Y	N	Y	N	Paralithic
171.28	171.31	12B	100%	Delanco	0.02	Prime	N	N	N	N	N	N	N
171.31	171.35	24E	100%	Hayesville	0.04	N	N	N	Y	N	Y	Y	N
171.35	171.52	22C	100%	Hayesville	0.17	State	N	N	Y	N	Y	Y	N
171.52	171.59	24E	100%	Hayesville	0.07	N	N	N	Y	N	Y	Y	N
171.59	171.65	10A	100%	Colvard	0.07	Prime	N	N	N	N	N	N	N
171.65	171.96	22E	100%	Hayesville	0.33	N	N	N	Y	N	Y	Y	N
171.96	172.06	22B	100%	Hayesville	0.11	Prime	N	N	N	N	N	Y	N
172.06	172.38	22C	100%	Hayesville	0.32	State	N	N	Y	N	Y	Y	N
172.38	172.51	22E	100%	Hayesville	0.13	N	N	N	Y	N	Y	Y	N
172.51	172.60	14E	39%	Peaks	0.04	N	N	N	Y	N	Y	Y	Lithic

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
172.60	172.63	22E	61%	Edneytown	0.06	N	N	N	Y	N	Y	N	N
			100%	Hayesville	0.03	N	N	N	Y	N	Y	Y	N
172.63	172.73	35E	100%	Occoquan	0.10	N	N	N	Y	N	Y	N	Paralithic
172.73	172.77	14C	39%	Peaks	0.02	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.03	N	N	N	Y	N	Y	N	N
172.77	172.83	14E	39%	Peaks	0.02	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.03	N	N	N	Y	N	Y	N	N
172.83	172.87	46D	100%	Thurmont	0.04	State	N	N	Y	N	Y	Y	N
172.87	172.92	14E	39%	Peaks	0.02	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.03	N	N	N	Y	N	Y	N	N
172.92	172.97	22D	100%	Hayesville	0.05	State	N	N	Y	N	Y	Y	N
172.97	172.99	14E	39%	Peaks	0.01	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.01	N	N	N	Y	N	Y	N	N
172.99	173.04	35D	100%	Occoquan	0.05	N	N	N	Y	N	Y	N	Paralithic
173.04	173.16	35E	100%	Occoquan	0.12	N	N	N	Y	N	Y	N	Paralithic
173.16	173.21	46D	100%	Thurmont	0.05	State	N	N	Y	N	Y	Y	N
173.21	173.33	13D	100%	Edneytown	0.12	State	N	N	Y	N	Y	N	N
173.33	173.48	14E	39%	Peaks	0.06	N	N	N	Y	N	Y	Y	Lithic
			61%	Edneytown	0.09	N	N	N	Y	N	Y	N	N
173.48	173.59	22C	100%	Hayesville	0.11	State	N	N	Y	N	Y	Y	N
173.59	173.65	35E	100%	Occoquan	0.05	N	N	N	Y	N	Y	N	Paralithic
173.65	173.84	35D	100%	Occoquan	0.19	N	N	N	Y	N	Y	N	Paralithic
173.84	173.94	22C	100%	Hayesville	0.10	State	N	N	Y	N	Y	Y	N
173.94	174.08	35D	100%	Occoquan	0.15	N	N	N	Y	N	Y	N	Paralithic
174.08	174.23	18C	100%	Fauquier	0.15	State	N	N	Y	N	Y	N	Lithic
174.23	174.34	42E	100%	Spriggs	0.11	N	N	N	Y	N	Y	Y	Lithic
174.34	174.39	18E	100%	Fauquier	0.06	N	N	N	Y	N	Y	N	Lithic
174.39	174.56	18C	100%	Fauquier	0.17	State	N	N	Y	N	Y	N	Lithic
174.56	174.59	18D	100%	Fauquier	0.03	State	N	N	Y	N	Y	N	Lithic
174.59	174.67	18E	100%	Fauquier	0.08	N	N	N	Y	N	Y	N	Lithic
174.67	174.71	18C	100%	Fauquier	0.04	State	N	N	Y	N	Y	N	Lithic
174.71	174.83	18E	100%	Fauquier	0.13	N	N	N	Y	N	Y	N	Lithic
174.83	174.90	18D	100%	Fauquier	0.07	State	N	N	Y	N	Y	N	Lithic
174.90	175.08	32C	100%	Minnieville	0.19	State	N	N	Y	N	Y	N	N
175.08	175.11	18D	100%	Fauquier	0.04	State	N	N	Y	N	Y	N	Lithic
175.11	175.17	43A	100%	Suches	0.07	N	N	N	N	N	N	N	N
175.17	175.26	32D	100%	Minnieville	0.09	State	N	N	Y	N	Y	N	N
175.26	175.44	32C	100%	Minnieville	0.20	State	N	N	Y	N	Y	N	N
175.44	175.52	32D	100%	Minnieville	0.09	State	N	N	Y	N	Y	N	N
175.52	175.58	43A	100%	Suches	0.07	N	N	N	N	N	N	N	N
175.58	175.70	16D	100%	Elioak	0.14	N	N	N	Y	N	Y	N	N
175.70	175.86	15D	100%	Elioak	0.17	State	N	N	Y	N	Y	N	N
175.86	175.90	8A	100%	Codorus	0.05	Prime	N	N	Y	N	N	Y	N
175.90	175.94	25E	100%	Hazel	0.05	N	N	N	Y	N	Y	Y	Lithic

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
175.94	175.98	15D	100%	Elioak	0.04	State	N	N	Y	N	Y	N	N
175.98	176.03	25E	100%	Hazel	0.05	N	N	N	Y	N	Y	Y	Lithic
176.03	176.13	25D	100%	Hazel	0.11	N	N	N	Y	N	Y	Y	Lithic
176.13	176.21	25E	100%	Hazel	0.10	N	N	N	Y	N	Y	Y	Lithic
176.21	176.26	25D	100%	Hazel	0.07	N	N	N	Y	N	Y	Y	Lithic
176.26	176.51	15C	100%	Elioak	0.30	State	N	N	Y	N	Y	N	N
176.51	176.90	25D	100%	Hazel	0.41	N	N	N	Y	N	Y	Y	Lithic
176.90	176.95	25E	100%	Hazel	0.05	N	N	N	Y	N	Y	Y	Lithic
176.95	177.25	25D	100%	Hazel	0.31	N	N	N	Y	N	Y	Y	Lithic
177.25	177.41	25C	100%	Hazel	0.16	N	N	N	Y	N	Y	Y	Lithic
177.41	177.50	25E	100%	Hazel	0.09	N	N	N	Y	N	Y	Y	Lithic
177.50	177.53	25D	100%	Hazel	0.04	N	N	N	Y	N	Y	Y	Lithic
177.53	177.56	25E	100%	Hazel	0.03	N	N	N	Y	N	Y	Y	Lithic
177.56	177.63	25D	100%	Hazel	0.06	N	N	N	Y	N	Y	Y	Lithic
177.63	177.73	15C	100%	Elioak	0.11	State	N	N	Y	N	Y	N	N
177.73	177.77	25E	100%	Hazel	0.04	N	N	N	Y	N	Y	Y	Lithic
177.77	178.03	25D	100%	Hazel	0.26	N	N	N	Y	N	Y	Y	Lithic
178.03	178.28	25E	100%	Hazel	0.28	N	N	N	Y	N	Y	Y	Lithic
178.28	178.57	25D	100%	Hazel	0.33	N	N	N	Y	N	Y	Y	Lithic
178.57	178.61	25E	100%	Hazel	0.04	N	N	N	Y	N	Y	Y	Lithic
178.61	178.75	25C	100%	Hazel	0.16	N	N	N	Y	N	Y	Y	Lithic
178.75	178.85	25D	100%	Hazel	0.11	N	N	N	Y	N	Y	Y	Lithic
178.85	179.01	25E	100%	Hazel	0.17	N	N	N	Y	N	Y	Y	Lithic
179.00	179.02	15D	100%	Elioak	0.02	State	N	N	Y	N	Y	N	N
179.02	179.16	15C	100%	Elioak	0.15	State	N	N	Y	N	Y	N	N
179.16	179.19	15B	100%	Elioak	0.03	Prime	N	N	N	N	N	N	N
179.19	179.32	15C	100%	Elioak	0.14	State	N	N	Y	N	Y	N	N
179.32	179.38	15D	100%	Elioak	0.06	State	N	N	Y	N	Y	N	N
179.38	179.42	15B	100%	Elioak	0.05	Prime	N	N	N	N	N	N	N
179.42	179.46	15D	100%	Elioak	0.04	State	N	N	Y	N	Y	N	N
179.46	179.51	15B	100%	Elioak	0.05	Prime	N	N	N	N	N	N	N
179.51	179.58	16C	100%	Elioak	0.07	N	N	N	Y	N	Y	N	N
179.58	179.89	15B	100%	Elioak	0.32	Prime	N	N	N	N	N	N	N
179.89	179.90	16C	100%	Elioak	0.01	N	N	N	Y	N	Y	N	N
179.90	179.95	15B	100%	Elioak	0.05	Prime	N	N	N	N	N	N	N
179.95	180.08	16D	100%	Elioak	0.13	N	N	N	Y	N	Y	N	N
180.08	180.13	15B	100%	Elioak	0.05	Prime	N	N	N	N	N	N	N
180.13	180.17	16C	100%	Elioak	0.04	N	N	N	Y	N	Y	N	N
180.17	180.18	25E	100%	Hazel	0.01	N	N	N	Y	N	Y	Y	Lithic
180.18	180.20	49C	100%	Unison	0.03	State	N	N	Y	N	Y	Y	N
180.20	180.25	43A	100%	Suches	0.04	N	N	N	N	N	N	N	N
180.25	180.29	25E	100%	Hazel	0.04	N	N	N	Y	N	Y	Y	Lithic
180.29	180.33	15C	100%	Elioak	0.04	State	N	N	Y	N	Y	N	N
180.33	180.38	25E	100%	Hazel	0.05	N	N	N	Y	N	Y	Y	Lithic

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
183.54	183.58	5D	100%	Bugley	0.04	N	N	N	Y	N	Y	Y	Lithic
183.58	183.61	31B	100%	Littlejoe	0.03	Prime	N	N	N	N	N	N	Paralithic
183.61	183.72	5E	100%	Bugley	0.11	N	N	N	Y	N	Y	Y	Lithic
183.72	183.75	5D	100%	Bugley	0.03	N	N	N	Y	N	Y	Y	Lithic
183.75	183.82	5C	100%	Bugley	0.07	N	N	N	Y	N	Y	Y	Lithic
183.82	183.88	5E	100%	Bugley	0.06	N	N	N	Y	N	Y	Y	Lithic
183.88	183.95	4D	100%	Buffstat	0.06	State	N	N	Y	N	Y	Y	Lithic
183.95	184.03	5E	100%	Bugley	0.08	N	N	N	Y	N	Y	Y	Lithic
184.03	184.16	5D	100%	Bugley	0.15	N	N	N	Y	N	Y	Y	Lithic
184.16	184.21	5E	100%	Bugley	0.05	N	N	N	Y	N	Y	Y	Lithic
184.21	184.26	1E	100%	Arcola	0.06	N	N	N	Y	N	Y	N	Lithic
184.26	184.27	50C	100%	Warminster	0.02	N	N	N	Y	N	Y	N	Paralithic
184.27	184.31	50B	100%	Warminster	0.04	Prime	N	N	N	N	N	N	Paralithic
184.31	184.33	1D	100%	Arcola	0.02	N	N	N	Y	N	Y	N	Lithic
184.33	184.40	1D	100%	Arcola	0.07	N	N	N	Y	N	Y	N	Lithic
184.40	184.43	50C	100%	Warminster	0.04	N	N	N	Y	N	Y	N	Paralithic
184.43	184.45	1E	100%	Arcola	0.01	N	N	N	Y	N	Y	N	Lithic
184.45	184.46	1E	100%	Arcola	0.02	N	N	N	Y	N	Y	N	Lithic
184.46	184.47	19A	100%	Galtsmill	<0.01	Prime	N	N	N	N	N	N	N
184.47	184.49	19A	100%	Galtsmill	0.02	Prime	N	N	N	N	N	N	N
184.49	184.51	19A	100%	Galtsmill	0.03	Prime	N	N	N	N	N	N	N
184.51	184.53	19A	100%	Galtsmill	0.01	Prime	N	N	N	N	N	N	N
184.53	184.54	51A	100%	Wingina	0.01	Prime	N	N	N	N	N	N	N
184.54	184.65	51A	100%	Wingina	0.13	Prime	N	N	N	N	N	N	N
184.65	184.65	W	100%	Water	<0.01	N	N	N	N	N	N	N	N
184.65	184.69	W	100%	Water	0.04	N	N	N	N	N	N	N	N
Buckingham County, VA													
184.69	184.70	W	100%	Water	<0.01	N	N	N	N	N	N	N	N
184.70	184.72	W	100%	Water	0.02	N	N	N	N	N	N	N	N
184.72	184.80	38A	100%	Speedwell	0.09	Prime	N	N	N	N	N	N	N
184.80	184.85	46A	100%	Yogaville	0.06	N	Y	Y	N	N	N	N	N
184.85	184.88	14B	100%	Delanco	0.03	Prime	N	N	N	N	N	N	N
184.88	184.92	35A	100%	Sindion	0.04	Prime	N	N	N	N	N	N	N
184.92	184.94	10F	37%	Rock outcrop	0.01	N	N	N	Y	N	N	N	Lithic
			63%	Bugley	0.02	N	N	N	Y	N	Y	Y	Lithic
184.94	184.97	45C3	100%	Wintergreen	0.03	N	N	N	Y	N	Y	N	N
184.97	185.03	37E	33%	Bugley	0.02	N	N	N	Y	N	Y	Y	Lithic
			67%	Spears mountain	0.05	N	N	N	Y	N	Y	N	Paralithic
185.03	185.08	45C3	100%	Wintergreen	0.05	N	N	N	Y	N	Y	N	N
185.08	185.31	45B3	100%	Wintergreen	0.25	N	N	N	N	N	Y	N	N
185.31	185.33	2B	35%	Littlejoe	0.01	N	N	N	N	N	N	N	Paralithic
			65%	Appomattox	0.02	N	N	N	N	N	Y	N	N
185.33	185.39	45C3	100%	Wintergreen	0.07	N	N	N	Y	N	Y	N	N
185.39	185.44	37E	33%	Bugley	0.02	N	N	N	Y	N	Y	Y	Lithic

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
			67%	Spears mountain	0.03	N	N	N	Y	N	Y	N	Paralithic
185.44	185.71	36C	100%	Spears mountain	0.30	State	N	N	Y	N	Y	N	Paralithic
185.71	186.07	28C	100%	Oak Level	0.40	N	N	N	Y	N	Y	N	N
186.07	186.26	7B	41%	Penhook	0.08	Prime	N	N	N	N	N	Y	N
			59%	Bentley	0.12	Prime	N	N	N	Y	Y	N	N
186.26	186.31	28C	100%	Oak Level	0.06	N	N	N	Y	N	Y	N	N
186.31	186.52	23B	100%	Littlejoe	0.22	Prime	N	N	N	N	N	N	Paralithic
186.52	186.61	36C	100%	Spears mountain	0.10	State	N	N	Y	N	Y	N	Paralithic
186.61	186.67	23B	100%	Littlejoe	0.06	Prime	N	N	N	N	N	N	Paralithic
186.67	186.75	36C	100%	Spears mountain	0.08	State	N	N	Y	N	Y	N	Paralithic
186.75	186.78	12A	23%	Hatboro	0.01	N	Y	Y	N	N	N	N	N
			77%	Codorus	0.03	N	N	Y	N	N	N	N	N
186.78	186.84	36C	100%	Spears mountain	0.06	State	N	N	Y	N	Y	N	Paralithic
186.84	186.86	12A	23%	Hatboro	0.01	N	Y	Y	N	N	N	N	N
			77%	Codorus	0.02	N	N	Y	N	N	N	N	N
186.86	186.94	36C	100%	Spears mountain	0.08	State	N	N	Y	N	Y	N	Paralithic
186.94	186.98	23B	100%	Littlejoe	0.04	Prime	N	N	N	N	N	N	Paralithic
186.98	187.13	36C	100%	Spears mountain	0.16	State	N	N	Y	N	Y	N	Paralithic
187.13	187.19	23B	100%	Littlejoe	0.06	Prime	N	N	N	N	N	N	Paralithic
187.19	187.24	36C	100%	Spears mountain	0.05	State	N	N	Y	N	Y	N	Paralithic
187.24	187.29	23B	100%	Littlejoe	0.06	Prime	N	N	N	N	N	N	Paralithic
187.29	187.43	36C	100%	Spears mountain	0.14	State	N	N	Y	N	Y	N	Paralithic
187.43	187.45	23B	100%	Littlejoe	0.02	Prime	N	N	N	N	N	N	Paralithic
187.45	187.54	36C	100%	Spears mountain	0.10	State	N	N	Y	N	Y	N	Paralithic
187.54	187.60	12A	23%	Hatboro	0.01	N	Y	Y	N	N	N	N	N
			77%	Codorus	0.04	N	N	Y	N	N	N	N	N
187.60	187.99	36C	100%	Spears mountain	0.41	State	N	N	Y	N	Y	N	Paralithic
187.99	188.08	23B	100%	Littlejoe	0.09	Prime	N	N	N	N	N	N	Paralithic
188.08	188.13	36C	100%	Spears mountain	0.05	State	N	N	Y	N	Y	N	Paralithic
188.13	188.15	23B	100%	Littlejoe	0.02	Prime	N	N	N	N	N	N	Paralithic
188.15	188.27	36C	100%	Spears mountain	0.13	State	N	N	Y	N	Y	N	Paralithic
188.27	188.32	23B	100%	Littlejoe	0.04	Prime	N	N	N	N	N	N	Paralithic
188.32	188.35	36C	100%	Spears mountain	0.03	State	N	N	Y	N	Y	N	Paralithic
188.35	188.41	23B	100%	Littlejoe	0.06	Prime	N	N	N	N	N	N	Paralithic
188.41	188.49	36C	100%	Spears mountain	0.08	State	N	N	Y	N	Y	N	Paralithic
188.49	188.71	23B	100%	Littlejoe	0.22	Prime	N	N	N	N	N	N	Paralithic
188.71	188.74	36C	100%	Spears mountain	0.03	State	N	N	Y	N	Y	N	Paralithic
188.74	188.76	23B	100%	Littlejoe	0.02	Prime	N	N	N	N	N	N	Paralithic
188.76	188.81	2B	35%	Littlejoe	0.02	N	N	N	N	N	N	N	Paralithic
			65%	Appomattox	0.03	N	N	N	N	N	Y	N	N
188.81	188.89	23B	100%	Littlejoe	0.09	Prime	N	N	N	N	N	N	Paralithic
188.89	189.11	25C	47%	Bentley	0.10	State	N	N	Y	Y	Y	N	N
			53%	Littlejoe	0.12	State	N	N	Y	N	Y	N	Paralithic
189.11	189.14	7B	41%	Penhook	0.01	Prime	N	N	N	N	N	Y	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h	
Begin	End								Water ^d	Wind ^e				
189.14	189.26	25C	59%	Bentley	0.02	Prime	N	N	N	Y	Y	N	N	
			47%	Bentley	0.05	State	N	N	Y	Y	Y	N	N	
			53%	Littlejoe	0.06	State	N	N	Y	N	Y	N	Paralithic	
189.26	189.28	7B	41%	Penhook	0.01	Prime	N	N	N	N	N	Y	N	
			59%	Bentley	0.01	Prime	N	N	N	Y	Y	N	N	
			47%	Bentley	0.04	State	N	N	Y	Y	Y	N	N	
189.28	189.37	25C	53%	Littlejoe	0.05	State	N	N	Y	N	Y	N	Paralithic	
			41%	Penhook	0.15	Prime	N	N	N	N	N	Y	N	
			59%	Bentley	0.22	Prime	N	N	N	Y	Y	N	N	
189.37	189.73	7B	41%	Penhook	0.15	Prime	N	N	N	N	N	Y	N	
189.73	189.81	28C	100%	Oak Level	0.08	N	N	N	Y	N	Y	N	N	
189.81	189.89	31B	100%	Penhook	0.08	Prime	N	N	N	N	N	Y	N	
189.89	189.97	23C	100%	Littlejoe	0.08	State	N	N	Y	N	Y	N	Paralithic	
189.97	190.04	31B	100%	Penhook	0.06	Prime	N	N	N	N	N	Y	N	
190.04	190.08	23C	100%	Littlejoe	0.04	State	N	N	Y	N	Y	N	Paralithic	
190.08	190.09	36D	100%	Spears mountain	0.02	State	N	N	Y	N	Y	N	Paralithic	
190.09	190.13	12A	23%	Hatboro	0.01	N	Y	Y	N	N	N	N	N	
			77%	Codorus	0.03	N	N	Y	N	N	N	N	N	
			100%	Spears mountain	0.02	State	N	N	Y	N	Y	N	N	
190.13	190.15	36D	100%	Spears mountain	0.03	State	N	N	Y	N	Y	N	Paralithic	
190.15	190.18	36C	100%	Spears mountain	0.03	State	N	N	Y	N	Y	N	Paralithic	
190.18	190.23	3B	31%	Penhook	0.01	Prime	N	N	N	N	N	Y	N	
			69%	Appomattox	0.03	Prime	N	N	N	N	Y	N	N	
			100%	Spears mountain	0.07	State	N	N	Y	N	Y	N	N	
190.23	190.29	36C	100%	Spears mountain	0.07	State	N	N	Y	N	Y	N	Paralithic	
190.29	190.39	31B	100%	Penhook	0.10	Prime	N	N	N	N	N	Y	N	
190.39	190.63	19B	33%	Delanco	0.08	State	N	N	N	N	N	N	N	
			67%	Grassland	0.17	State	N	N	N	N	N	N	Y	Lithic
			100%	Littlejoe	0.10	State	N	N	Y	N	Y	N	N	Paralithic
190.63	190.72	23C	100%	Littlejoe	0.10	State	N	N	Y	N	Y	N	Paralithic	
190.72	190.74	21A	100%	Hatboro	0.02	N	Y	Y	N	N	N	N	N	
190.74	190.75	23C	100%	Littlejoe	0.01	State	N	N	Y	N	Y	N	Paralithic	
190.75	190.84	21A	100%	Hatboro	0.10	N	Y	Y	N	N	N	N	N	
190.84	191.00	23C	100%	Littlejoe	0.16	State	N	N	Y	N	Y	N	Paralithic	
191.00	191.03	21A	100%	Hatboro	0.03	N	Y	Y	N	N	N	N	N	
191.03	191.07	14B	100%	Delanco	0.03	Prime	N	N	N	N	N	N	N	
191.07	191.09	23C	100%	Littlejoe	0.02	State	N	N	Y	N	Y	N	Paralithic	
191.09	191.32	7B	41%	Penhook	0.09	Prime	N	N	N	N	N	Y	N	
			59%	Bentley	0.12	Prime	N	N	N	Y	Y	N	N	
			47%	Bentley	0.02	State	N	N	Y	Y	Y	N	N	
191.32	191.37	25C	53%	Littlejoe	0.02	State	N	N	Y	N	Y	N	Paralithic	
			100%	Delanco	0.10	Prime	N	N	N	N	N	N	N	
			191.37	191.48	14B	100%	Delanco	0.10	Prime	N	N	N	N	N
191.48	191.52	12A	23%	Hatboro	0.01	N	Y	Y	N	N	N	N	N	
191.52	191.59	14B	77%	Codorus	0.03	N	N	Y	N	N	N	N	N	
			100%	Delanco	0.06	Prime	N	N	N	N	N	N	N	
			41%	Penhook	0.03	Prime	N	N	N	N	N	Y	N	
191.59	191.67	7B	59%	Bentley	0.04	Prime	N	N	N	Y	N	N		
191.67	191.70	14B	100%	Delanco	0.03	Prime	N	N	N	N	N	N		

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
191.70	191.78	7B	41%	Penhook	0.03	Prime	N	N	N	N	N	Y	N
			59%	Bentley	0.04	Prime	N	N	N	Y	Y	N	N
191.78	191.86	25C	47%	Bentley	0.04	State	N	N	Y	Y	Y	N	N
			53%	Littlejoe	0.04	State	N	N	Y	N	Y	N	Paralithic
191.86	191.92	12A	23%	Hatboro	0.01	N	Y	Y	N	N	N	N	N
			77%	Codorus	0.04	N	N	Y	N	N	N	N	N
191.92	191.94	23C	100%	Littlejoe	0.03	State	N	N	Y	N	Y	N	Paralithic
191.94	192.12	7B	41%	Penhook	0.07	Prime	N	N	N	N	N	Y	N
			59%	Bentley	0.10	Prime	N	N	N	Y	Y	N	N
192.12	192.26	23C	100%	Littlejoe	0.14	State	N	N	Y	N	Y	N	Paralithic
192.26	192.49	31B	100%	Penhook	0.23	Prime	N	N	N	N	N	Y	N
192.49	192.53	23C	100%	Littlejoe	0.04	State	N	N	Y	N	Y	N	Paralithic
192.53	192.59	31B	100%	Penhook	0.06	Prime	N	N	N	N	N	Y	N
192.59	192.68	24C	44%	Appomattox	0.04	State	N	N	Y	N	Y	N	N
			56%	Littlejoe	0.05	State	N	N	Y	N	Y	N	Paralithic
192.68	192.73	31B	100%	Penhook	0.05	Prime	N	N	N	N	N	Y	N
192.73	192.83	24C	44%	Appomattox	0.05	State	N	N	Y	N	Y	N	N
			56%	Littlejoe	0.06	State	N	N	Y	N	Y	N	Paralithic
192.83	192.87	31B	100%	Penhook	0.04	Prime	N	N	N	N	N	Y	N
192.87	192.89	23C	100%	Littlejoe	0.03	State	N	N	Y	N	Y	N	Paralithic
192.89	192.91	24C	44%	Appomattox	0.01	State	N	N	Y	N	Y	N	N
			56%	Littlejoe	0.01	State	N	N	Y	N	Y	N	Paralithic
192.91	192.93	23C	100%	Littlejoe	0.02	State	N	N	Y	N	Y	N	Paralithic
192.93	192.97	31B	100%	Penhook	0.04	Prime	N	N	N	N	N	Y	N
192.97	192.99	23C	100%	Littlejoe	0.02	State	N	N	Y	N	Y	N	Paralithic
192.99	193.08	31B	100%	Penhook	0.09	Prime	N	N	N	N	N	Y	N
193.08	193.24	23C	100%	Littlejoe	0.16	State	N	N	Y	N	Y	N	Paralithic
193.24	193.35	31B	100%	Penhook	0.11	Prime	N	N	N	N	N	Y	N
193.35	193.37	29B	31%	Diana Mills	0.01	Prime	N	N	N	N	N	Y	Paralithic
			69%	Oak Level	0.01	Prime	N	N	N	N	N	N	N
193.37	193.39	30C	38%	Siloam	0.01	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.01	State	N	N	Y	N	Y	N	N
193.39	193.42	29B	31%	Diana Mills	0.01	Prime	N	N	N	N	N	Y	Paralithic
			69%	Oak Level	0.02	Prime	N	N	N	N	N	N	N
193.42	193.80	22B	27%	Mirerock	0.10	State	N	N	N	N	N	N	Paralithic
			73%	Jackland	0.28	State	N	Y	N	N	N	N	N
193.80	193.91	30C	38%	Siloam	0.04	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.07	State	N	N	Y	N	Y	N	N
193.91	194.02	22B	27%	Mirerock	0.03	State	N	N	N	N	N	N	Paralithic
			73%	Jackland	0.08	State	N	Y	N	N	N	N	N
194.02	194.08	14B	100%	Delanco	0.06	Prime	N	N	N	N	N	N	N
194.08	194.17	12A	23%	Hatboro	0.02	N	Y	Y	N	N	N	N	N
			77%	Codorus	0.07	N	N	Y	N	N	N	N	N
194.17	194.19	39D	38%	Toast	0.01	State	N	N	Y	N	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
194.19	194.29	30C	63%	Spriggs	0.01	State	N	N	Y	N	Y	N	Paralithic
			38%	Siloam	0.04	State	N	N	Y	N	Y	N	Lithic
194.29	194.66	29B	62%	Oak Level	0.06	State	N	N	Y	N	Y	N	N
			31%	Diana Mills	0.12	Prime	N	N	N	N	N	Y	Paralithic
194.66	194.76	22B	69%	Oak Level	0.26	Prime	N	N	N	N	N	N	N
			27%	Mirerock	0.03	State	N	N	N	N	N	N	Paralithic
194.76	194.86	30C	73%	Jackland	0.07	State	N	Y	N	N	N	N	N
			38%	Siloam	0.04	State	N	N	Y	N	Y	N	Lithic
194.86	194.88	30D	62%	Oak Level	0.07	State	N	N	Y	N	Y	N	N
			44%	Siloam	0.01	State	N	N	Y	N	Y	N	Lithic
194.88	195.01	12A	56%	Oak Level	0.01	State	N	N	Y	N	Y	N	N
			23%	Hatboro	0.03	N	Y	Y	N	N	N	N	N
195.01	195.05	23C	77%	Codorus	0.10	N	N	Y	N	N	N	N	N
			100%	Littlejoe	0.04	State	N	N	Y	N	Y	N	Paralithic
195.05	195.07	12A	23%	Hatboro	0.01	N	Y	Y	N	N	N	N	N
			77%	Codorus	0.02	N	N	Y	N	N	N	N	N
195.07	195.16	30C	38%	Siloam	0.03	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.06	State	N	N	Y	N	Y	N	N
195.16	195.20	39C	38%	Toast	0.01	State	N	N	Y	N	Y	N	N
			63%	Spriggs	0.02	State	N	N	Y	N	Y	N	Paralithic
195.20	195.27	22B	27%	Mirerock	0.02	State	N	N	N	N	N	N	Paralithic
			73%	Jackland	0.06	State	N	Y	N	N	N	N	N
195.27	195.33	39C	38%	Toast	0.02	State	N	N	Y	N	Y	N	N
			63%	Spriggs	0.03	State	N	N	Y	N	Y	N	Paralithic
195.33	195.35	22B	27%	Mirerock	0.01	State	N	N	N	N	N	N	Paralithic
			73%	Jackland	0.02	State	N	Y	N	N	N	N	N
195.35	195.38	39C	38%	Toast	0.01	State	N	N	Y	N	Y	N	N
			63%	Spriggs	0.02	State	N	N	Y	N	Y	N	Paralithic
195.38	195.42	30C	38%	Siloam	0.02	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.02	State	N	N	Y	N	Y	N	N
195.42	195.51	22B	27%	Mirerock	0.02	State	N	N	N	N	N	N	Paralithic
			73%	Jackland	0.06	State	N	Y	N	N	N	N	N
195.51	195.55	30C	38%	Siloam	0.02	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.02	State	N	N	Y	N	Y	N	N
195.55	196.05	22B	27%	Mirerock	0.14	State	N	N	N	N	N	N	Paralithic
			73%	Jackland	0.37	State	N	Y	N	N	N	N	N
196.05	196.09	30C	38%	Siloam	0.01	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.02	State	N	N	Y	N	Y	N	N
196.09	196.23	22B	27%	Mirerock	0.04	State	N	N	N	N	N	N	Paralithic
			73%	Jackland	0.11	State	N	Y	N	N	N	N	N
196.23	196.43	30C	38%	Siloam	0.07	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.12	State	N	N	Y	N	Y	N	N
196.43	196.50	22B	27%	Mirerock	0.02	State	N	N	N	N	N	N	Paralithic
			73%	Jackland	0.05	State	N	Y	N	N	N	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
196.50	196.54	30C	38%	Siloam	0.01	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.02	State	N	N	Y	N	Y	N	N
196.54	196.57	22B	27%	Mirerock	0.01	State	N	N	N	N	N	N	Paralithic
			73%	Jackland	0.02	State	N	Y	N	N	N	N	N
196.57	196.73	29B	31%	Diana Mills	0.05	Prime	N	N	N	N	N	Y	Paralithic
			69%	Oak Level	0.12	Prime	N	N	N	N	N	N	N
196.73	196.98	22B	27%	Mirerock	0.07	State	N	N	N	N	N	N	Paralithic
			73%	Jackland	0.18	State	N	Y	N	N	N	N	N
196.98	197.00	29B	31%	Diana Mills	0.01	Prime	N	N	N	N	N	Y	Paralithic
			69%	Oak Level	0.02	Prime	N	N	N	N	N	N	N
197.00	197.10	22B	27%	Mirerock	0.03	State	N	N	N	N	N	N	Paralithic
			73%	Jackland	0.08	State	N	Y	N	N	N	N	N
197.10	197.17	30C	38%	Siloam	0.03	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.04	State	N	N	Y	N	Y	N	N
197.17	197.18	29B	31%	Diana Mills	<0.01	Prime	N	N	N	N	N	Y	Paralithic
			69%	Oak Level	<0.01	Prime	N	N	N	N	N	N	N
197.18	197.35	30C	38%	Siloam	0.07	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.11	State	N	N	Y	N	Y	N	N
197.35	197.37	30D	44%	Siloam	0.01	State	N	N	Y	N	Y	N	Lithic
			56%	Oak Level	0.01	State	N	N	Y	N	Y	N	N
197.37	197.39	12A	23%	Hatboro	<0.01	N	Y	Y	N	N	N	N	N
			77%	Codorus	0.02	N	N	Y	N	N	N	N	N
197.39	197.54	30D	44%	Siloam	0.07	State	N	N	Y	N	Y	N	Lithic
			56%	Oak Level	0.08	State	N	N	Y	N	Y	N	N
197.54	197.56	30C	38%	Siloam	0.01	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.01	State	N	N	Y	N	Y	N	N
197.56	197.58	29B	31%	Diana Mills	0.01	Prime	N	N	N	N	N	Y	Paralithic
			69%	Oak Level	0.01	Prime	N	N	N	N	N	N	N
197.58	197.62	30C	38%	Siloam	0.02	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.03	State	N	N	Y	N	Y	N	N
197.62	197.67	29B	31%	Diana Mills	0.01	Prime	N	N	N	N	N	Y	Paralithic
			69%	Oak Level	0.03	Prime	N	N	N	N	N	N	N
197.67	197.81	30C	38%	Siloam	0.05	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.08	State	N	N	Y	N	Y	N	N
197.81	197.83	28C	100%	Oak Level	0.03	N	N	N	Y	N	Y	N	N
197.83	197.91	12A	23%	Hatboro	0.02	N	Y	Y	N	N	N	N	N
			77%	Codorus	0.06	N	N	Y	N	N	N	N	N
197.91	197.94	13A	100%	Dan River	0.03	Prime	N	N	N	N	N	N	N
197.94	197.96	12A	23%	Hatboro	0.01	N	Y	Y	N	N	N	N	N
			77%	Codorus	0.02	N	N	Y	N	N	N	N	N
197.96	197.99	21A	100%	Hatboro	0.03	N	Y	Y	N	N	N	N	N
197.99	198.00	14B	100%	Delanco	0.01	Prime	N	N	N	N	N	N	N
198.00	198.01	30D	44%	Siloam	0.01	State	N	N	Y	N	Y	N	Lithic
			56%	Oak Level	0.01	State	N	N	Y	N	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
198.01	198.18	30C	38%	Siloam	0.06	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.10	State	N	N	Y	N	Y	N	N
198.18	198.21	29B	31%	Diana Mills	0.01	Prime	N	N	N	N	N	Y	Paralithic
			69%	Oak Level	0.02	Prime	N	N	N	N	N	N	N
198.21	198.27	30C	38%	Siloam	0.02	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.04	State	N	N	Y	N	Y	N	N
198.27	198.28	29B	31%	Diana Mills	<0.01	Prime	N	N	N	N	N	Y	Paralithic
			69%	Oak Level	0.01	Prime	N	N	N	N	N	N	N
198.28	198.32	30C	38%	Siloam	0.01	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.02	State	N	N	Y	N	Y	N	N
198.32	198.33	30D	44%	Siloam	0.01	State	N	N	Y	N	Y	N	Lithic
			56%	Oak Level	0.01	State	N	N	Y	N	Y	N	N
198.33	198.35	12A	23%	Hatboro	<0.01	N	Y	Y	N	N	N	N	N
			77%	Codorus	0.02	N	N	Y	N	N	N	N	N
198.35	198.39	36D	100%	Spears mountain	0.03	State	N	N	Y	N	Y	N	Paralithic
198.39	198.52	36C	100%	Spears mountain	0.13	State	N	N	Y	N	Y	N	Paralithic
198.52	198.54	36D	100%	Spears mountain	0.02	State	N	N	Y	N	Y	N	Paralithic
198.54	198.60	12A	23%	Hatboro	0.01	N	Y	Y	N	N	N	N	N
			77%	Codorus	0.05	N	N	Y	N	N	N	N	N
198.60	198.62	36D	100%	Spears mountain	0.02	State	N	N	Y	N	Y	N	Paralithic
198.62	198.67	23B	100%	Littlejoe	0.05	Prime	N	N	N	N	N	N	Paralithic
198.67	198.71	36D	100%	Spears mountain	0.03	State	N	N	Y	N	Y	N	Paralithic
198.71	198.80	36C	100%	Spears mountain	0.09	State	N	N	Y	N	Y	N	Paralithic
198.80	198.83	23B	100%	Littlejoe	0.03	Prime	N	N	N	N	N	N	Paralithic
198.83	198.86	36C	100%	Spears mountain	0.03	State	N	N	Y	N	Y	N	Paralithic
198.86	198.87	36D	100%	Spears mountain	0.01	State	N	N	Y	N	Y	N	Paralithic
198.87	198.89	36C	100%	Spears mountain	0.02	State	N	N	Y	N	Y	N	Paralithic
198.89	198.95	23B	100%	Littlejoe	0.06	Prime	N	N	N	N	N	N	Paralithic
198.95	198.95	36C	100%	Spears mountain	<0.01	State	N	N	Y	N	Y	N	Paralithic
198.95	198.99	23B	100%	Littlejoe	0.04	Prime	N	N	N	N	N	N	Paralithic
198.99	199.02	36C	100%	Spears mountain	0.03	State	N	N	Y	N	Y	N	Paralithic
199.02	199.06	36D	100%	Spears mountain	0.04	State	N	N	Y	N	Y	N	Paralithic
199.06	199.11	36C	100%	Spears mountain	0.05	State	N	N	Y	N	Y	N	Paralithic
199.11	199.29	3B	31%	Penhook	0.06	Prime	N	N	N	N	N	Y	N
			69%	Appomattox	0.12	Prime	N	N	N	N	Y	N	N
199.29	199.51	36C	100%	Spears mountain	0.23	State	N	N	Y	N	Y	N	Paralithic
199.51	199.63	23B	100%	Littlejoe	0.12	Prime	N	N	N	N	N	N	Paralithic
199.63	199.69	7B	41%	Penhook	0.03	Prime	N	N	N	N	N	Y	N
			59%	Bentley	0.04	Prime	N	N	N	Y	Y	N	N
199.69	199.75	36C	100%	Spears mountain	0.06	State	N	N	Y	N	Y	N	Paralithic
199.75	200.08	31B	100%	Penhook	0.34	Prime	N	N	N	N	N	Y	N
200.08	200.11	23C	100%	Littlejoe	0.03	State	N	N	Y	N	Y	N	Paralithic
200.11	200.14	19B	33%	Delanco	0.01	State	N	N	N	N	N	N	N
			67%	Grassland	0.02	State	N	N	N	N	N	Y	Lithic

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
200.14	200.20	23C	100%	Littlejoe	0.06	State	N	N	Y	N	Y	N	Paralithic
200.20	200.22	31B	100%	Penhook	0.02	Prime	N	N	N	N	N	Y	N
200.22	200.25	23C	100%	Littlejoe	0.03	State	N	N	Y	N	Y	N	Paralithic
200.25	200.26	36C	100%	Spears mountain	0.01	State	N	N	Y	N	Y	N	Paralithic
200.26	200.27	19B	33%	Delanco	<0.01	State	N	N	N	N	N	N	N
			67%	Grassland	0.01	State	N	N	N	N	N	Y	Lithic
200.27	200.28	36C	100%	Spears mountain	0.02	State	N	N	Y	N	Y	N	Paralithic
200.28	200.30	23C	100%	Littlejoe	0.02	State	N	N	Y	N	Y	N	Paralithic
200.30	200.32	31B	100%	Penhook	0.02	Prime	N	N	N	N	N	Y	N
200.32	200.36	23C	100%	Littlejoe	0.04	State	N	N	Y	N	Y	N	Paralithic
200.36	200.47	31B	100%	Penhook	0.11	Prime	N	N	N	N	N	Y	N
200.47	200.49	23C	100%	Littlejoe	0.03	State	N	N	Y	N	Y	N	Paralithic
200.49	200.53	19B	33%	Delanco	0.01	State	N	N	N	N	N	N	N
			67%	Grassland	0.02	State	N	N	N	N	N	Y	Lithic
200.53	200.55	23C	100%	Littlejoe	0.02	State	N	N	Y	N	Y	N	Paralithic
200.55	200.64	19B	33%	Delanco	0.03	State	N	N	N	N	N	N	N
			67%	Grassland	0.07	State	N	N	N	N	N	Y	Lithic
200.64	200.82	31B	100%	Penhook	0.18	Prime	N	N	N	N	N	Y	N
200.82	200.82	23C	100%	Littlejoe	0.01	State	N	N	Y	N	Y	N	Paralithic
200.82	200.85	31B	100%	Penhook	0.03	Prime	N	N	N	N	N	Y	N
200.85	200.89	23C	100%	Littlejoe	0.04	State	N	N	Y	N	Y	N	Paralithic
200.89	200.99	31B	100%	Penhook	0.10	Prime	N	N	N	N	N	Y	N
200.99	201.05	23B	100%	Littlejoe	0.06	Prime	N	N	N	N	N	N	Paralithic
201.05	201.11	36C	100%	Spears mountain	0.05	State	N	N	Y	N	Y	N	Paralithic
201.11	201.14	36D	100%	Spears mountain	0.04	State	N	N	Y	N	Y	N	Paralithic
201.14	201.18	12A	23%	Hatboro	0.01	N	Y	Y	N	N	N	N	N
			77%	Codorus	0.03	N	N	Y	N	N	N	N	N
201.18	201.22	36D	100%	Spears mountain	0.04	State	N	N	Y	N	Y	N	Paralithic
201.22	201.30	36C	100%	Spears mountain	0.08	State	N	N	Y	N	Y	N	Paralithic
201.30	201.35	36D	100%	Spears mountain	0.05	State	N	N	Y	N	Y	N	Paralithic
201.35	201.47	23C	100%	Littlejoe	0.12	State	N	N	Y	N	Y	N	Paralithic
201.47	201.70	31B	100%	Penhook	0.24	Prime	N	N	N	N	N	Y	N
201.70	201.76	23C	100%	Littlejoe	0.06	State	N	N	Y	N	Y	N	Paralithic
201.76	201.82	36D	100%	Spears mountain	0.06	State	N	N	Y	N	Y	N	Paralithic
201.82	201.84	12A	23%	Hatboro	<0.01	N	Y	Y	N	N	N	N	N
			77%	Codorus	0.01	N	N	Y	N	N	N	N	N
201.84	201.86	19B	33%	Delanco	0.01	State	N	N	N	N	N	N	N
			67%	Grassland	0.02	State	N	N	N	N	N	Y	Lithic
201.86	201.88	36D	100%	Spears mountain	0.02	State	N	N	Y	N	Y	N	Paralithic
201.88	202.01	23C	100%	Littlejoe	0.13	State	N	N	Y	N	Y	N	Paralithic
202.01	202.07	31B	100%	Penhook	0.06	Prime	N	N	N	N	N	Y	N
202.07	202.11	23C	100%	Littlejoe	0.04	State	N	N	Y	N	Y	N	Paralithic
202.11	202.31	31B	100%	Penhook	0.20	Prime	N	N	N	N	N	Y	N
202.31	202.34	23C	100%	Littlejoe	0.03	State	N	N	Y	N	Y	N	Paralithic

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
202.34	202.49	3B	31%	Penhook	0.05	Prime	N	N	N	N	N	Y	N
			69%	Appomattox	0.11	Prime	N	N	N	N	Y	N	N
202.49	202.56	19B	33%	Delanco	0.02	State	N	N	N	N	N	N	N
			67%	Grassland	0.05	State	N	N	N	N	N	Y	Lithic
202.56	202.62	29B	31%	Diana Mills	0.02	Prime	N	N	N	N	N	Y	Paralithic
			69%	Oak Level	0.04	Prime	N	N	N	N	N	N	N
202.62	202.72	19B	33%	Delanco	0.03	State	N	N	N	N	N	N	N
			67%	Grassland	0.06	State	N	N	N	N	N	Y	Lithic
202.72	202.72	30C	38%	Siloam	<0.01	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	<0.01	State	N	N	Y	N	Y	N	N
202.72	202.77	36C	100%	Spears mountain	0.05	State	N	N	Y	N	Y	N	Paralithic
202.77	202.78	19B	33%	Delanco	<0.01	State	N	N	N	N	N	N	N
			67%	Grassland	0.01	State	N	N	N	N	N	Y	Lithic
202.78	202.80	36D	100%	Spears mountain	0.01	State	N	N	Y	N	Y	N	Paralithic
202.80	202.83	36C	100%	Spears mountain	0.03	State	N	N	Y	N	Y	N	Paralithic
202.83	202.94	23B	100%	Littlejoe	0.11	Prime	N	N	N	N	N	N	Paralithic
202.94	203.00	36C	100%	Spears mountain	0.06	State	N	N	Y	N	Y	N	Paralithic
203.00	203.06	36D	100%	Spears mountain	0.06	State	N	N	Y	N	Y	N	Paralithic
203.06	203.18	23C	100%	Littlejoe	0.12	State	N	N	Y	N	Y	N	Paralithic
203.18	203.30	29B	31%	Diana Mills	0.04	Prime	N	N	N	N	N	Y	Paralithic
			69%	Oak Level	0.09	Prime	N	N	N	N	N	N	N
203.30	203.37	36B	100%	Spears mountain	0.07	Prime	N	N	Y	N	Y	N	Paralithic
203.37	203.53	36C	100%	Spears mountain	0.16	State	N	N	Y	N	Y	N	Paralithic
203.53	203.57	36D	100%	Spears mountain	0.04	State	N	N	Y	N	Y	N	Paralithic
203.57	203.57	19B	33%	Delanco	<0.01	State	N	N	N	N	N	N	N
			67%	Grassland	<0.01	State	N	N	N	N	N	Y	Lithic
203.57	203.65	12A	23%	Hatboro	0.02	N	Y	Y	N	N	N	N	N
			77%	Codorus	0.06	N	N	Y	N	N	N	N	N
203.65	203.68	19B	33%	Delanco	0.01	State	N	N	N	N	N	N	N
			67%	Grassland	0.02	State	N	N	N	N	N	Y	Lithic
203.68	203.70	42D	45%	Devotion	0.01	State	N	N	Y	N	Y	N	Lithic
			55%	Toast	0.01	State	N	N	Y	N	Y	N	N
203.70	203.78	42C	44%	Devotion	0.04	State	N	N	Y	N	Y	N	Lithic
			56%	Toast	0.05	State	N	N	Y	N	Y	N	N
203.78	203.81	41B	100%	Toast	0.03	Prime	N	N	N	N	Y	N	N
203.81	203.86	42C	44%	Devotion	0.03	State	N	N	Y	N	Y	N	Lithic
			56%	Toast	0.03	State	N	N	Y	N	Y	N	N
203.86	203.94	41B	100%	Toast	0.08	Prime	N	N	N	N	Y	N	N
203.94	204.15	17B	100%	Fairview	0.22	Prime	N	N	N	N	Y	N	N
204.15	204.17	18C	41%	Devotion	0.01	State	N	N	Y	N	Y	N	Lithic
			59%	Fairview	0.02	State	N	N	Y	N	Y	N	N
204.17	204.25	30C	38%	Siloam	0.03	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.05	State	N	N	Y	N	Y	N	N
204.25	204.29	12A	23%	Hatboro	0.01	N	Y	Y	N	N	N	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
204.29	204.54	30C	77%	Codorus	0.03	N	N	Y	N	N	N	N	N
			38%	Siloam	0.10	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.16	State	N	N	Y	N	Y	N	N
204.54	204.57	39D	38%	Toast	0.01	State	N	N	Y	N	Y	N	N
			63%	Spriggs	0.02	State	N	N	Y	N	Y	N	Paralithic
			38%	Siloam	0.01	State	N	N	Y	N	Y	N	Lithic
204.57	204.61	30C	62%	Oak Level	0.02	State	N	N	Y	N	Y	N	N
			38%	Toast	0.02	State	N	N	Y	N	Y	N	N
			63%	Spriggs	0.03	State	N	N	Y	N	Y	N	Paralithic
204.61	204.66	39D	23%	Hatboro	0.01	N	Y	Y	N	N	N	N	N
			77%	Codorus	0.02	N	N	Y	N	N	N	N	N
			38%	Toast	0.01	State	N	N	Y	N	Y	N	N
204.66	204.68	12A	63%	Spriggs	0.02	State	N	N	Y	N	Y	N	Paralithic
			38%	Toast	0.01	State	N	N	Y	N	Y	N	N
			63%	Spriggs	0.01	State	N	N	Y	N	Y	N	Paralithic
204.71	204.73	39C	38%	Toast	0.01	State	N	N	Y	N	Y	N	N
			63%	Spriggs	0.01	State	N	N	Y	N	Y	N	Paralithic
			38%	Toast	0.01	State	N	N	Y	N	Y	N	N
204.73	204.75	39D	63%	Spriggs	0.01	State	N	N	Y	N	Y	N	Paralithic
			38%	Toast	0.01	State	N	N	Y	N	Y	N	N
			23%	Hatboro	0.01	N	Y	Y	N	N	N	N	N
204.75	204.80	12A	77%	Codorus	0.04	N	N	Y	N	N	N	N	N
			44%	Siloam	0.01	State	N	N	Y	N	Y	N	Lithic
			56%	Oak Level	0.02	State	N	N	Y	N	Y	N	N
204.80	204.83	30D	38%	Siloam	0.01	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.01	State	N	N	Y	N	Y	N	N
			44%	Siloam	0.02	State	N	N	Y	N	Y	N	Lithic
204.83	204.85	30C	56%	Oak Level	0.02	State	N	N	Y	N	Y	N	N
			38%	Siloam	0.01	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.01	State	N	N	Y	N	Y	N	N
204.85	204.89	30D	44%	Siloam	0.02	State	N	N	Y	N	Y	N	Lithic
			56%	Oak Level	0.02	State	N	N	Y	N	Y	N	N
			38%	Siloam	0.01	State	N	N	Y	N	Y	N	Lithic
204.89	204.91	30C	62%	Oak Level	0.01	State	N	N	Y	N	Y	N	N
			44%	Siloam	0.01	State	N	N	Y	N	Y	N	Lithic
			56%	Oak Level	0.01	State	N	N	Y	N	Y	N	N
204.91	204.93	30D	38%	Siloam	0.04	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.06	State	N	N	Y	N	Y	N	N
			33%	Toast	0.01	N	N	N	Y	N	Y	N	N
205.03	205.07	39E	67%	Spriggs	0.03	N	N	N	Y	N	Y	N	Paralithic
			77%	Codorus	0.02	N	N	Y	N	N	N	N	N
			23%	Hatboro	<0.01	N	Y	Y	N	N	N	N	N
205.07	205.09	12A	77%	Codorus	0.02	N	N	Y	N	N	N	N	N
			38%	Siloam	0.04	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.06	State	N	N	Y	N	Y	N	N
205.09	205.19	30C	44%	Siloam	0.02	State	N	N	Y	N	Y	N	Lithic
			56%	Oak Level	0.02	State	N	N	Y	N	Y	N	N
			33%	Toast	<0.01	N	N	N	Y	N	Y	N	N
205.19	205.23	30D	67%	Spriggs	<0.01	N	N	N	Y	N	Y	N	Paralithic
			44%	Siloam	0.03	State	N	N	Y	N	Y	N	Lithic
			56%	Oak Level	0.04	State	N	N	Y	N	Y	N	N
205.23	205.24	39E	38%	Siloam	0.02	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.06	State	N	N	Y	N	Y	N	N
			33%	Toast	<0.01	N	N	N	Y	N	Y	N	N
205.24	205.31	30D	67%	Spriggs	<0.01	N	N	N	Y	N	Y	N	Paralithic
			44%	Siloam	0.03	State	N	N	Y	N	Y	N	Lithic
			56%	Oak Level	0.04	State	N	N	Y	N	Y	N	N
205.31	205.38	30C	38%	Siloam	0.02	State	N	N	Y	N	Y	N	Lithic

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
205.38	205.45	29B	62%	Oak Level	0.04	State	N	N	Y	N	Y	N	N
			31%	Diana Mills	0.02	Prime	N	N	N	N	N	Y	Paralithic
205.45	205.47	30C	69%	Oak Level	0.05	Prime	N	N	N	N	N	N	N
			38%	Siloam	0.01	State	N	N	Y	N	Y	N	Lithic
205.47	205.54	29B	62%	Oak Level	0.01	State	N	N	Y	N	Y	N	N
			31%	Diana Mills	0.02	Prime	N	N	N	N	N	Y	Paralithic
205.54	205.64	30C	69%	Oak Level	0.04	Prime	N	N	N	N	N	N	N
			38%	Siloam	0.04	State	N	N	Y	N	Y	N	Lithic
205.64	205.69	30D	62%	Oak Level	0.07	State	N	N	Y	N	Y	N	N
			44%	Siloam	0.02	State	N	N	Y	N	Y	N	Lithic
205.69	205.74	30C	56%	Oak Level	0.02	State	N	N	Y	N	Y	N	N
			38%	Siloam	0.02	State	N	N	Y	N	Y	N	Lithic
205.74	205.77	30D	62%	Oak Level	0.03	State	N	N	Y	N	Y	N	N
			44%	Siloam	0.01	State	N	N	Y	N	Y	N	Lithic
205.77	205.84	30C	56%	Oak Level	0.02	State	N	N	Y	N	Y	N	N
			38%	Siloam	0.03	State	N	N	Y	N	Y	N	Lithic
205.84	205.89	30D	62%	Oak Level	0.04	State	N	N	Y	N	Y	N	N
			44%	Siloam	0.02	State	N	N	Y	N	Y	N	Lithic
205.89	205.91	30C	56%	Oak Level	0.03	State	N	N	Y	N	Y	N	N
			38%	Siloam	0.01	State	N	N	Y	N	Y	N	Lithic
205.91	205.93	20B	62%	Oak Level	0.02	State	N	N	Y	N	Y	N	N
			47%	Delanco	0.01	State	N	N	N	N	N	N	N
205.93	205.95	30C	53%	Halifax	0.01	State	N	N	N	N	Y	N	N
			38%	Siloam	0.01	State	N	N	Y	N	Y	N	Lithic
205.95	205.97	20B	62%	Oak Level	0.01	State	N	N	Y	N	Y	N	N
			47%	Delanco	0.01	State	N	N	N	N	N	N	N
205.97	205.99	30C	53%	Halifax	0.01	State	N	N	N	N	Y	N	N
			38%	Siloam	0.01	State	N	N	Y	N	Y	N	Lithic
205.99	206.05	29B	62%	Oak Level	0.01	State	N	N	Y	N	Y	N	N
			31%	Diana Mills	0.02	Prime	N	N	N	N	N	Y	Paralithic
206.05	206.08	30C	69%	Oak Level	0.04	Prime	N	N	N	N	N	N	N
			38%	Siloam	0.01	State	N	N	Y	N	Y	N	Lithic
206.08	206.10	20B	62%	Oak Level	0.02	State	N	N	Y	N	Y	N	N
			47%	Delanco	0.01	State	N	N	N	N	N	N	N
206.10	206.13	30D	53%	Halifax	0.01	State	N	N	N	N	Y	N	N
			44%	Siloam	0.01	State	N	N	Y	N	Y	N	Lithic
206.13	206.16	30C	56%	Oak Level	0.01	State	N	N	Y	N	Y	N	N
			38%	Siloam	0.01	State	N	N	Y	N	Y	N	Lithic
206.16	206.19	29B	62%	Oak Level	0.02	State	N	N	Y	N	Y	N	N
			31%	Diana Mills	0.01	Prime	N	N	N	N	N	Y	Paralithic
206.19	206.21	30C	69%	Oak Level	0.02	Prime	N	N	N	N	N	N	N
			38%	Siloam	0.01	State	N	N	Y	N	Y	N	Lithic
206.21	206.25	29B	62%	Oak Level	0.01	State	N	N	Y	N	Y	N	N
			31%	Diana Mills	0.01	Prime	N	N	N	N	N	Y	Paralithic

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
206.25	206.31	30C	69%	Oak Level	0.02	Prime	N	N	N	N	N	N	N
			38%	Siloam	0.02	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.04	State	N	N	Y	N	Y	N	N
206.31	206.33	17B	100%	Fairview	0.02	Prime	N	N	N	N	Y	N	N
			206.33	206.34	30C	38%	Siloam	<0.01	State	N	N	Y	N
206.34	206.44	29B	62%	Oak Level	0.01	State	N	N	Y	N	Y	N	N
			31%	Diana Mills	0.03	Prime	N	N	N	N	N	Y	Paralithic
			69%	Oak Level	0.07	Prime	N	N	N	N	N	N	N
206.44	206.54	30C	38%	Siloam	0.04	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.06	State	N	N	Y	N	Y	N	N
206.54	206.56	20B	47%	Delanco	0.01	State	N	N	N	N	N	N	N
			53%	Halifax	0.01	State	N	N	N	N	Y	N	N
206.56	206.60	30C	38%	Siloam	0.01	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.02	State	N	N	Y	N	Y	N	N
206.60	206.63	20B	47%	Delanco	0.02	State	N	N	N	N	N	N	N
			53%	Halifax	0.02	State	N	N	N	N	Y	N	N
206.63	206.66	30C	38%	Siloam	0.01	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.02	State	N	N	Y	N	Y	N	N
206.66	206.75	29B	31%	Diana Mills	0.03	Prime	N	N	N	N	N	Y	Paralithic
			69%	Oak Level	0.06	Prime	N	N	N	N	N	N	N
206.75	206.85	30C	38%	Siloam	0.04	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.06	State	N	N	Y	N	Y	N	N
206.85	206.91	12A	23%	Hatboro	0.01	N	Y	Y	N	N	N	N	N
			77%	Codorus	0.04	N	N	Y	N	N	N	N	N
206.91	206.97	30D	44%	Siloam	0.03	State	N	N	Y	N	Y	N	Lithic
			56%	Oak Level	0.04	State	N	N	Y	N	Y	N	N
206.97	207.06	18C	41%	Devotion	0.03	State	N	N	Y	N	Y	N	Lithic
			59%	Fairview	0.05	State	N	N	Y	N	Y	N	N
207.06	207.15	30C	38%	Siloam	0.04	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.06	State	N	N	Y	N	Y	N	N
207.15	207.18	39C	38%	Toast	0.01	State	N	N	Y	N	Y	N	N
			63%	Spriggs	0.02	State	N	N	Y	N	Y	N	Paralithic
207.18	207.26	39D	38%	Toast	0.03	State	N	N	Y	N	Y	N	N
			63%	Spriggs	0.05	State	N	N	Y	N	Y	N	Paralithic
207.26	207.31	39C	38%	Toast	0.02	State	N	N	Y	N	Y	N	N
			63%	Spriggs	0.03	State	N	N	Y	N	Y	N	Paralithic
207.31	207.32	39D	38%	Toast	<0.01	State	N	N	Y	N	Y	N	N
			63%	Spriggs	0.01	State	N	N	Y	N	Y	N	Paralithic
207.32	207.34	20B	47%	Delanco	0.01	State	N	N	N	N	N	N	N
			53%	Halifax	0.01	State	N	N	N	N	Y	N	N
207.34	207.39	39C	38%	Toast	0.02	State	N	N	Y	N	Y	N	N
			63%	Spriggs	0.03	State	N	N	Y	N	Y	N	Paralithic
207.39	207.42	20B	47%	Delanco	0.01	State	N	N	N	N	N	N	N
			53%	Halifax	0.01	State	N	N	N	N	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
207.42	207.44	39C	38%	Toast	0.01	State	N	N	Y	N	Y	N	N
			63%	Spriggs	0.02	State	N	N	Y	N	Y	N	Paralithic
207.44	207.45	30C	38%	Siloam	<0.01	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.01	State	N	N	Y	N	Y	N	N
207.45	207.55	30D	44%	Siloam	0.04	State	N	N	Y	N	Y	N	Lithic
			56%	Oak Level	0.06	State	N	N	Y	N	Y	N	N
207.55	207.70	18C	41%	Devotion	0.06	State	N	N	Y	N	Y	N	Lithic
			59%	Fairview	0.09	State	N	N	Y	N	Y	N	N
207.70	207.74	15D	100%	Devotion	0.05	N	N	N	Y	N	Y	N	Lithic
207.74	207.78	20B	47%	Delanco	0.02	State	N	N	N	N	N	N	N
			53%	Halifax	0.02	State	N	N	N	N	Y	N	N
207.78	207.87	12A	23%	Hatboro	0.02	N	Y	Y	N	N	N	N	N
			77%	Codorus	0.07	N	N	Y	N	N	N	N	N
207.87	207.90	18D	43%	Devotion	0.01	N	N	N	Y	N	Y	N	Lithic
			57%	Fairview	0.02	N	N	N	Y	N	Y	N	N
207.90	208.05	18C	41%	Devotion	0.06	State	N	N	Y	N	Y	N	Lithic
			59%	Fairview	0.09	State	N	N	Y	N	Y	N	N
208.05	208.06	22B	27%	Mirerock	<0.01	State	N	N	N	N	N	N	Paralithic
			73%	Jackland	0.01	State	N	Y	N	N	N	N	N
208.06	208.21	39C	38%	Toast	0.06	State	N	N	Y	N	Y	N	N
			63%	Spriggs	0.10	State	N	N	Y	N	Y	N	Paralithic
208.21	208.23	39D	38%	Toast	0.01	State	N	N	Y	N	Y	N	N
			63%	Spriggs	0.01	State	N	N	Y	N	Y	N	Paralithic
208.23	208.26	30D	44%	Siloam	0.01	State	N	N	Y	N	Y	N	Lithic
			56%	Oak Level	0.02	State	N	N	Y	N	Y	N	N
208.26	208.35	30C	38%	Siloam	0.03	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.06	State	N	N	Y	N	Y	N	N
208.35	208.49	22B	27%	Mirerock	0.04	State	N	N	N	N	N	N	Paralithic
			73%	Jackland	0.11	State	N	Y	N	N	N	N	N
208.49	208.56	30C	38%	Siloam	0.03	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.05	State	N	N	Y	N	Y	N	N
208.56	208.64	39D	38%	Toast	0.03	State	N	N	Y	N	Y	N	N
			63%	Spriggs	0.05	State	N	N	Y	N	Y	N	Paralithic
208.64	208.69	30C	38%	Siloam	0.02	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.03	State	N	N	Y	N	Y	N	N
208.69	208.90	22B	27%	Mirerock	0.06	State	N	N	N	N	N	N	Paralithic
			73%	Jackland	0.16	State	N	Y	N	N	N	N	N
208.90	209.05	30C	38%	Siloam	0.06	State	N	N	Y	N	Y	N	Lithic
			62%	Oak Level	0.10	State	N	N	Y	N	Y	N	N
209.05	209.21	12A	23%	Hatboro	0.04	N	Y	Y	N	N	N	N	N
			77%	Codorus	0.13	N	N	Y	N	N	N	N	N
209.21	209.38	20B	47%	Delanco	0.08	State	N	N	N	N	N	N	N
			53%	Halifax	0.09	State	N	N	N	N	Y	N	N
209.38	209.40	12A	23%	Hatboro	<0.01	N	Y	Y	N	N	N	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
212.98	213.03	5C	40%	Creedmoor	0.02	N	N	N	Y	N	Y	N	N
			60%	Brickhaven	0.03	N	N	N	Y	N	Y	N	Paralithic
213.03	213.08	5B	41%	Creedmoor	0.02	N	N	N	N	N	N	N	N
			59%	Brickhaven	0.03	N	N	N	N	N	N	N	Paralithic
213.08	213.21	5C	40%	Creedmoor	0.05	N	N	N	Y	N	Y	N	N
			60%	Brickhaven	0.07	N	N	N	Y	N	Y	N	Paralithic
213.21	213.34	5B	41%	Creedmoor	0.06	N	N	N	N	N	N	N	N
			59%	Brickhaven	0.08	N	N	N	N	N	N	N	Paralithic
213.34	213.37	5C	40%	Creedmoor	0.01	N	N	N	Y	N	Y	N	N
			60%	Brickhaven	0.02	N	N	N	Y	N	Y	N	Paralithic
213.37	213.62	5B	41%	Creedmoor	0.10	N	N	N	N	N	N	N	N
			59%	Brickhaven	0.15	N	N	N	N	N	N	N	Paralithic
213.62	213.72	24C	49%	Exway	0.05	State	N	N	Y	N	Y	N	Paralithic
			51%	Mayodan	0.05	State	N	N	Y	N	Y	N	N
213.72	213.75	24B	47%	Exway	0.02	Prime	N	N	N	N	N	N	Paralithic
			53%	Mayodan	0.02	Prime	N	N	N	N	N	N	N
213.75	213.82	24C	49%	Exway	0.03	State	N	N	Y	N	Y	N	Paralithic
			51%	Mayodan	0.03	State	N	N	Y	N	Y	N	N
213.82	213.93	24B	47%	Exway	0.05	Prime	N	N	N	N	N	N	Paralithic
			53%	Mayodan	0.06	Prime	N	N	N	N	N	N	N
213.93	214.10	24C	49%	Exway	0.08	State	N	N	Y	N	Y	N	Paralithic
			51%	Mayodan	0.08	State	N	N	Y	N	Y	N	N
214.10	214.15	31B	40%	Carbonton	0.02	N	N	N	N	N	N	N	Paralithic
			60%	Pinoka	0.03	N	N	N	N	N	N	N	Paralithic
214.15	214.21	5C	40%	Creedmoor	0.02	N	N	N	Y	N	Y	N	N
			60%	Brickhaven	0.04	N	N	N	Y	N	Y	N	Paralithic
214.21	214.26	31C	43%	Carbonton	0.02	N	N	N	Y	N	Y	N	Paralithic
			57%	Pinoka	0.03	N	N	N	Y	N	Y	N	Paralithic
214.26	214.28	5C	40%	Creedmoor	0.01	N	N	N	Y	N	Y	N	N
			60%	Brickhaven	0.01	N	N	N	Y	N	Y	N	Paralithic
214.28	214.36	17C	38%	Helena	0.03	State	N	N	Y	N	Y	N	N
			62%	Enon	0.05	State	N	N	Y	N	Y	N	N
214.36	214.38	5B	41%	Creedmoor	0.01	N	N	N	N	N	N	N	N
			59%	Brickhaven	0.01	N	N	N	N	N	N	N	Paralithic
214.38	214.41	5C	40%	Creedmoor	0.01	N	N	N	Y	N	Y	N	N
			60%	Brickhaven	0.02	N	N	N	Y	N	Y	N	Paralithic
214.41	214.51	5B	41%	Creedmoor	0.04	N	N	N	N	N	N	N	N
			59%	Brickhaven	0.06	N	N	N	N	N	N	N	Paralithic
214.51	214.57	5C	40%	Creedmoor	0.03	N	N	N	Y	N	Y	N	N
			60%	Brickhaven	0.04	N	N	N	Y	N	Y	N	Paralithic
214.57	214.61	5B	41%	Creedmoor	0.02	N	N	N	N	N	N	N	N
			59%	Brickhaven	0.02	N	N	N	N	N	N	N	Paralithic
214.61	214.68	5C	40%	Creedmoor	0.03	N	N	N	Y	N	Y	N	N
			60%	Brickhaven	0.04	N	N	N	Y	N	Y	N	Paralithic

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
214.68	214.73	5B	41%	Creedmoor	0.02	N	N	N	N	N	N	N	N
			59%	Brickhaven	0.03	N	N	N	N	N	N	N	Paralithic
214.73	214.76	5C	40%	Creedmoor	0.01	N	N	N	Y	N	Y	N	N
			60%	Brickhaven	0.02	N	N	N	Y	N	Y	N	Paralithic
214.76	214.78	5B	41%	Creedmoor	0.01	N	N	N	N	N	N	N	N
			59%	Brickhaven	0.01	N	N	N	N	N	N	N	Paralithic
214.78	214.89	5C	40%	Creedmoor	0.04	N	N	N	Y	N	Y	N	N
			60%	Brickhaven	0.07	N	N	N	Y	N	Y	N	Paralithic
214.89	214.91	5B	41%	Creedmoor	0.01	N	N	N	N	N	N	N	N
			59%	Brickhaven	0.01	N	N	N	N	N	N	N	Paralithic
214.91	215.02	5C	40%	Creedmoor	0.04	N	N	N	Y	N	Y	N	N
			60%	Brickhaven	0.07	N	N	N	Y	N	Y	N	Paralithic
215.02	215.05	5B	41%	Creedmoor	0.01	N	N	N	N	N	N	N	N
			59%	Brickhaven	0.02	N	N	N	N	N	N	N	Paralithic
215.05	215.14	5C	40%	Creedmoor	0.04	N	N	N	Y	N	Y	N	N
			60%	Brickhaven	0.05	N	N	N	Y	N	Y	N	Paralithic
215.14	215.18	8A	47%	Monacan	0.02	N	N	Y	N	N	N	N	N
			53%	Chewacla	0.02	N	N	Y	N	N	N	N	N
215.18	215.31	5B	41%	Creedmoor	0.06	N	N	N	N	N	N	N	N
			59%	Brickhaven	0.08	N	N	N	N	N	N	N	Paralithic
215.31	215.40	31C	43%	Carbonton	0.04	N	N	N	Y	N	Y	N	Paralithic
			57%	Pinoka	0.05	N	N	N	Y	N	Y	N	Paralithic
215.40	215.51	16B	46%	Helena	0.05	State	N	N	N	N	Y	N	N
			54%	Enon	0.06	State	N	N	N	N	Y	N	N
215.51	215.67	30D	29%	Wateree	0.05	N	N	N	Y	N	Y	N	Lithic
			71%	Pacolet	0.11	N	N	N	Y	N	Y	N	N
215.67	215.78	2C	31%	Helena	0.04	State	N	N	Y	N	Y	N	N
			69%	Appling	0.08	State	N	N	Y	N	Y	N	N
215.78	215.85	1B	100%	Appling	0.07	Prime	N	N	N	N	Y	N	N
215.85	216.08	21C	100%	Helena	0.23	State	N	N	Y	N	Y	N	N
216.08	216.10	21B	100%	Helena	0.02	Prime	N	N	N	N	Y	N	N
216.10	216.27	30D	29%	Wateree	0.05	N	N	N	Y	N	Y	N	Lithic
			71%	Pacolet	0.12	N	N	N	Y	N	Y	N	N
216.27	216.31	21B	100%	Helena	0.04	Prime	N	N	N	N	Y	N	N
216.31	216.35	21C	100%	Helena	0.04	State	N	N	Y	N	Y	N	N
216.35	216.39	21B	100%	Helena	0.04	Prime	N	N	N	N	Y	N	N
216.39	216.55	1B	100%	Appling	0.16	Prime	N	N	N	N	Y	N	N
216.55	216.66	2C	31%	Helena	0.04	State	N	N	Y	N	Y	N	N
			69%	Appling	0.08	State	N	N	Y	N	Y	N	N
216.66	216.68	1B	100%	Appling	0.02	Prime	N	N	N	N	Y	N	N
216.68	216.72	2C	31%	Helena	0.01	State	N	N	Y	N	Y	N	N
			69%	Appling	0.03	State	N	N	Y	N	Y	N	N
216.72	216.75	1B	100%	Appling	0.03	Prime	N	N	N	N	Y	N	N
216.75	216.86	2C	31%	Helena	0.03	State	N	N	Y	N	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
216.86	216.88	32C	69%	Appling	0.07	State	N	N	Y	N	Y	N	N
			38%	Wedowee	0.01	State	N	N	Y	N	Y	N	N
			63%	Poindexter	0.02	State	N	N	Y	N	Y	N	Paralithic
216.88	216.91	2C	31%	Helena	0.01	State	N	N	Y	N	Y	N	N
			69%	Appling	0.02	State	N	N	Y	N	Y	N	N
216.91	216.95	1B	100%	Appling	0.03	Prime	N	N	N	N	Y	N	N
216.95	216.97	30D	29%	Wateree	0.01	N	N	N	Y	N	Y	N	Lithic
			71%	Pacolet	0.02	N	N	N	Y	N	Y	N	N
			31%	Helena	0.01	State	N	N	Y	N	Y	N	N
217.01	217.10	32C	69%	Appling	0.03	State	N	N	Y	N	Y	N	N
			38%	Wedowee	0.03	State	N	N	Y	N	Y	N	N
217.10	217.24	1B	63%	Poindexter	0.06	State	N	N	Y	N	Y	N	Paralithic
			100%	Appling	0.15	Prime	N	N	N	N	Y	N	N
217.24	217.29	2C	31%	Helena	0.01	State	N	N	Y	N	Y	N	N
217.29	217.36	6B	69%	Appling	0.03	State	N	N	Y	N	Y	N	N
			100%	Cecil	0.07	Prime	N	N	N	N	Y	N	N
217.36	217.40	7C	100%	Cecil	0.04	State	N	N	Y	N	Y	N	N
217.40	217.45	6B	100%	Cecil	0.05	Prime	N	N	N	N	Y	N	N
217.45	217.47	2C	31%	Helena	0.01	State	N	N	Y	N	Y	N	N
			69%	Appling	0.01	State	N	N	Y	N	Y	N	N
217.47	217.49	1B	100%	Appling	0.02	Prime	N	N	N	N	Y	N	N
217.49	217.55	2C	31%	Helena	0.02	State	N	N	Y	N	Y	N	N
			69%	Appling	0.04	State	N	N	Y	N	Y	N	N
217.55	217.56	1B	100%	Appling	0.01	Prime	N	N	N	N	Y	N	N
217.56	217.57	2C	31%	Helena	0.01	State	N	N	Y	N	Y	N	N
			69%	Appling	0.01	State	N	N	Y	N	Y	N	N
217.57	217.67	16C	42%	Helena	0.04	State	N	N	Y	N	Y	N	N
			58%	Enon	0.06	State	N	N	Y	N	Y	N	N
217.67	217.71	21B	100%	Helena	0.04	Prime	N	N	N	N	Y	N	N
217.71	217.88	21C	100%	Helena	0.16	State	N	N	Y	N	Y	N	N
217.88	217.93	21B	100%	Helena	0.05	Prime	N	N	N	N	Y	N	N
217.93	217.97	16D	41%	Helena	0.02	N	N	N	Y	N	Y	N	N
			59%	Enon	0.02	N	N	N	Y	N	Y	N	N
217.97	217.98	21B	100%	Helena	0.01	Prime	N	N	N	N	Y	N	N
217.98	218.08	16D	41%	Helena	0.04	N	N	N	Y	N	Y	N	N
			59%	Enon	0.06	N	N	N	Y	N	Y	N	N
218.08	218.15	8A	47%	Monacan	0.03	N	N	Y	N	N	N	N	N
			53%	Chewacla	0.04	N	N	Y	N	N	N	N	N
218.15	218.16	32C	38%	Wedowee	<0.01	State	N	N	Y	N	Y	N	N
			63%	Poindexter	0.01	State	N	N	Y	N	Y	N	Paralithic
218.16	218.18	8A	47%	Monacan	0.01	N	N	Y	N	N	N	N	N
			53%	Chewacla	0.01	N	N	Y	N	N	N	N	N
218.18	218.21	32C	38%	Wedowee	0.01	State	N	N	Y	N	Y	N	N
			63%	Poindexter	0.02	State	N	N	Y	N	Y	N	Paralithic

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
218.21	218.32	21C	100%	Helena	0.11	State	N	N	Y	N	Y	N	N
218.32	218.36	1B	100%	Appling	0.04	Prime	N	N	N	N	Y	N	N
218.36	218.48	32D	38%	Wedowee	0.05	N	N	N	Y	N	Y	N	N
			63%	Poindexter	0.08	N	N	N	Y	N	Y	N	Paralithic
218.48	218.53	1B	100%	Appling	0.05	Prime	N	N	N	N	Y	N	N
218.53	218.60	32D	38%	Wedowee	0.03	N	N	N	Y	N	Y	N	N
			63%	Poindexter	0.05	N	N	N	Y	N	Y	N	Paralithic
218.60	218.64	1B	100%	Appling	0.04	Prime	N	N	N	N	Y	N	N
218.64	218.79	32D	38%	Wedowee	0.06	N	N	N	Y	N	Y	N	N
			63%	Poindexter	0.10	N	N	N	Y	N	Y	N	Paralithic
218.79	218.84	2C	31%	Helena	0.02	State	N	N	Y	N	Y	N	N
			69%	Appling	0.03	State	N	N	Y	N	Y	N	N
218.84	218.89	1B	100%	Appling	0.05	Prime	N	N	N	N	Y	N	N
218.89	218.91	2C	31%	Helena	0.01	State	N	N	Y	N	Y	N	N
			69%	Appling	0.02	State	N	N	Y	N	Y	N	N
218.91	218.97	1B	100%	Appling	0.06	Prime	N	N	N	N	Y	N	N
218.97	219.01	2C	31%	Helena	0.01	State	N	N	Y	N	Y	N	N
			69%	Appling	0.03	State	N	N	Y	N	Y	N	N
219.01	219.06	1B	100%	Appling	0.05	Prime	N	N	N	N	Y	N	N
219.06	219.10	2C	31%	Helena	0.01	State	N	N	Y	N	Y	N	N
			69%	Appling	0.02	State	N	N	Y	N	Y	N	N
219.10	219.12	32C	38%	Wedowee	0.01	State	N	N	Y	N	Y	N	N
			63%	Poindexter	0.01	State	N	N	Y	N	Y	N	Paralithic
219.12	219.18	32D	38%	Wedowee	0.02	N	N	N	Y	N	Y	N	N
			63%	Poindexter	0.04	N	N	N	Y	N	Y	N	Paralithic
219.18	219.24	8A	47%	Monacan	0.03	N	N	Y	N	N	N	N	N
			53%	Chewacla	0.03	N	N	Y	N	N	N	N	N
219.24	219.29	15B	100%	Dogue	0.05	Prime	N	N	N	N	N	N	N
219.29	219.33	25C	100%	Mecklenburg	0.04	N	N	N	Y	N	Y	N	N
219.33	219.38	15B	100%	Dogue	0.05	Prime	N	N	N	N	N	N	N
219.38	219.58	8A	47%	Monacan	0.09	N	N	Y	N	N	N	N	N
			53%	Chewacla	0.11	N	N	Y	N	N	N	N	N
219.58	219.61	42D	100%	Wateree	0.03	N	N	N	Y	N	Y	N	Lithic
219.61	219.65	32D	38%	Wedowee	0.02	N	N	N	Y	N	Y	N	N
			63%	Poindexter	0.03	N	N	N	Y	N	Y	N	Paralithic
219.65	219.70	6B	100%	Cecil	0.05	Prime	N	N	N	N	Y	N	N
219.70	219.85	2C	31%	Helena	0.05	State	N	N	Y	N	Y	N	N
			69%	Appling	0.10	State	N	N	Y	N	Y	N	N
219.85	219.99	15B	100%	Dogue	0.14	Prime	N	N	N	N	N	N	N
219.99	220.05	23B	28%	Appling	0.02	Prime	N	N	N	N	Y	N	N
			72%	Mattaponi	0.05	Prime	N	N	N	N	Y	N	N
220.05	220.30	15B	100%	Dogue	0.26	Prime	N	N	N	N	N	N	N
220.30	220.38	23B	28%	Appling	0.02	Prime	N	N	N	N	Y	N	N
			72%	Mattaponi	0.06	Prime	N	N	N	N	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
220.38	220.43	30E	22%	Wateree	0.01	N	N	N	Y	N	Y	N	Lithic
			78%	Pacolet	0.04	N	N	N	Y	N	Y	N	N
220.43	220.46	43A	100%	Wehadkee	0.03	N	Y	N	N	N	N	N	N
220.46	220.49	8A	47%	Monacan	0.01	N	N	Y	N	N	N	N	N
			53%	Chewacla	0.01	N	N	Y	N	N	N	N	N
220.49	220.51	43A	100%	Wehadkee	0.02	N	Y	N	N	N	N	N	N
220.51	220.54	8A	47%	Monacan	0.01	N	N	Y	N	N	N	N	N
			53%	Chewacla	0.02	N	N	Y	N	N	N	N	N
220.54	220.75	35A	47%	Tuckahoe	0.10	Prime	N	N	N	N	N	N	N
			53%	Riverview	0.12	Prime	N	N	N	N	N	N	N
220.75	220.76	W	100%	Water	0.01	N	N	N	N	N	N	N	N
Prince Edward County, VA													
220.76	220.76	W	100%	Water	<0.01	N	N	N	N	N	N	N	N
220.76	220.78	W	100%	Water	0.02	N	N	N	N	N	N	N	N
220.78	220.84	Be	100%	Buncombe	0.06	N	N	N	N	Y	Y	N	N
220.84	220.85	Mc	100%	Madison	0.01	N	N	N	N	N	N	N	N
220.85	220.86	Mb	100%	Madison	0.01	N	N	N	Y	N	Y	N	N
220.86	220.89	Mc	100%	Madison	0.03	N	N	N	N	N	N	N	N
220.89	220.93	Mb	100%	Madison	0.04	N	N	N	Y	N	Y	N	N
220.93	220.95	Lc	100%	Lloyd	0.02	N	N	N	N	N	N	N	N
220.95	221.00	Lh	100%	Louisa	0.05	N	N	N	Y	N	Y	N	Paralithic
221.00	221.02	Mb	100%	Madison	0.03	N	N	N	Y	N	Y	N	N
221.02	221.03	Ll	100%	Louisa	0.01	N	N	N	N	N	N	N	Paralithic
221.03	221.05	Mb	100%	Madison	0.02	N	N	N	Y	N	Y	N	N
221.05	221.14	Ll	100%	Louisa	0.10	N	N	N	N	N	N	N	Paralithic
221.14	221.15	Mb	100%	Madison	0.01	N	N	N	Y	N	Y	N	N
221.15	221.18	Ll	100%	Louisa	0.04	N	N	N	N	N	N	N	Paralithic
221.18	221.24	Mb	100%	Madison	0.06	N	N	N	Y	N	Y	N	N
221.24	221.32	Mf	100%	Madison	0.08	Prime	N	N	N	N	N	N	N
221.32	221.40	Lg	100%	Louisa	0.09	N	N	N	Y	N	Y	N	Paralithic
221.40	221.47	Mf	100%	Madison	0.07	Prime	N	N	N	N	N	N	N
221.47	221.53	Wn	100%	Wilkes	0.06	N	N	N	Y	N	Y	N	Paralithic
221.53	221.58	Wg	100%	Wilkes	0.05	N	N	N	Y	N	Y	N	Paralithic
221.58	221.67	Wf	100%	Wilkes	0.09	N	N	N	Y	N	Y	N	Paralithic
221.67	221.70	Wg	100%	Wilkes	0.04	N	N	N	Y	N	Y	N	Paralithic
221.70	221.76	Wk	100%	Wilkes	0.06	N	N	N	Y	N	Y	N	Paralithic
221.76	221.79	Wo	100%	Worsham	0.04	N	Y	N	N	N	N	N	N
221.79	221.82	Wf	100%	Wilkes	0.03	N	N	N	Y	N	Y	N	Paralithic
221.82	221.86	Va	100%	Vance	0.04	State	N	N	Y	N	Y	N	N
221.86	221.88	Wf	100%	Wilkes	0.03	N	N	N	Y	N	Y	N	Paralithic
221.88	221.91	Va	100%	Vance	0.03	State	N	N	Y	N	Y	N	N
221.91	221.95	Vb	100%	Vance	0.05	Prime	N	N	N	N	N	N	N
221.95	221.98	Wg	100%	Wilkes	0.03	N	N	N	Y	N	Y	N	Paralithic
221.98	222.01	Wf	100%	Wilkes	0.03	N	N	N	Y	N	Y	N	Paralithic

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
222.01	222.04	Wg	100%	Wilkes	0.03	N	N	N	Y	N	Y	N	Paralithic
222.04	222.08	Wf	100%	Wilkes	0.04	N	N	N	Y	N	Y	N	Paralithic
222.08	222.10	Wg	100%	Wilkes	0.02	N	N	N	Y	N	Y	N	Paralithic
222.10	222.14	Wf	100%	Wilkes	0.04	N	N	N	Y	N	Y	N	Paralithic
222.14	222.18	Va	100%	Vance	0.04	State	N	N	Y	N	Y	N	N
222.18	222.23	Wf	100%	Wilkes	0.06	N	N	N	Y	N	Y	N	Paralithic
222.23	222.28	Va	100%	Vance	0.05	State	N	N	Y	N	Y	N	N
222.28	222.44	Wf	100%	Wilkes	0.17	N	N	N	Y	N	Y	N	Paralithic
222.44	222.47	Vb	100%	Vance	0.03	Prime	N	N	N	N	N	N	N
222.47	222.59	Va	100%	Vance	0.13	State	N	N	Y	N	Y	N	N
222.59	222.64	Vb	100%	Vance	0.05	Prime	N	N	N	N	N	N	N
222.64	222.76	Lr	100%	Louisburg	0.12	N	N	N	Y	N	Y	N	Paralithic
222.76	222.82	Wf	100%	Wilkes	0.07	N	N	N	Y	N	Y	N	Paralithic
222.82	222.84	Lo	100%	Louisburg	0.01	N	N	N	Y	N	Y	N	Paralithic
222.84	222.87	Ls	100%	Louisburg	0.03	N	N	N	N	N	Y	N	Paralithic
222.87	222.97	Wf	100%	Wilkes	0.10	N	N	N	Y	N	Y	N	Paralithic
222.97	223.01	Ls	100%	Louisburg	0.04	N	N	N	N	N	Y	N	Paralithic
223.01	223.08	Wd	100%	Wickham	0.07	State	N	N	Y	N	Y	N	N
223.08	223.10	Af	100%	Appling	0.02	State	N	N	Y	N	Y	N	N
223.10	223.12	Ha	100%	Helena	0.01	State	N	N	Y	N	Y	N	N
223.12	223.23	MI	100%	Mixed alluvium	0.12	N	Y	Y	N	N	N	N	N
223.23	223.26	Me	100%	Madison	0.03	State	N	N	Y	N	Y	N	N
223.26	223.33	Wf	100%	Wilkes	0.07	N	N	N	Y	N	Y	N	Paralithic
223.33	223.39	Ad	100%	Appling	0.05	Prime	N	N	N	N	N	N	N
223.39	223.57	Wf	100%	Wilkes	0.19	N	N	N	Y	N	Y	N	Paralithic
223.57	223.60	Mf	100%	Madison	0.03	Prime	N	N	N	N	N	N	N
223.60	223.64	Wf	100%	Wilkes	0.04	N	N	N	Y	N	Y	N	Paralithic
223.64	223.68	Mf	100%	Madison	0.04	Prime	N	N	N	N	N	N	N
223.68	223.68	Wn	100%	Wilkes	<0.01	N	N	N	Y	N	Y	N	Paralithic
223.68	223.77	Ma	100%	Madison	0.09	N	N	N	Y	N	Y	N	N
223.77	223.82	Hb	100%	Helena	0.05	Prime	N	N	N	N	N	N	N
223.82	223.88	Ma	100%	Madison	0.07	N	N	N	Y	N	Y	N	N
223.88	223.91	Wo	100%	Worsham	0.03	N	Y	N	N	N	N	N	N
223.91	223.98	Me	100%	Madison	0.07	State	N	N	Y	N	Y	N	N
223.98	224.15	Cf	100%	Cecil	0.17	State	N	N	Y	N	Y	N	N
224.15	224.24	Cg	100%	Cecil	0.09	Prime	N	N	N	N	N	N	N
224.24	224.31	Cf	100%	Cecil	0.07	State	N	N	Y	N	Y	N	N
224.31	224.50	Cg	100%	Cecil	0.19	Prime	N	N	N	N	N	N	N
224.50	224.56	Af	100%	Appling	0.06	State	N	N	Y	N	Y	N	N
224.56	224.58	Ad	100%	Appling	0.02	Prime	N	N	N	N	N	N	N
224.58	224.71	Cg	100%	Cecil	0.13	Prime	N	N	N	N	N	N	N
224.71	224.76	Ag	100%	Appling	0.05	Prime	N	N	N	N	Y	N	N
224.76	224.80	Af	100%	Appling	0.04	State	N	N	Y	N	Y	N	N
224.80	224.82	Sa	100%	Seneca	0.02	Prime	N	N	N	N	N	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
224.82	224.87	Af	100%	Appling	0.05	State	N	N	Y	N	Y	N	N
224.87	224.93	Ag	100%	Appling	0.06	Prime	N	N	N	N	Y	N	N
224.93	224.95	Cf	100%	Cecil	0.02	State	N	N	Y	N	Y	N	N
224.95	224.99	Cg	100%	Cecil	0.04	Prime	N	N	N	N	N	N	N
224.99	225.06	Ag	100%	Appling	0.08	Prime	N	N	N	N	Y	N	N
225.06	225.08	Cf	100%	Cecil	0.02	State	N	N	Y	N	Y	N	N
225.08	225.11	Cg	100%	Cecil	0.02	Prime	N	N	N	N	N	N	N
225.11	225.12	Cf	100%	Cecil	0.02	State	N	N	Y	N	Y	N	N
225.12	225.14	Ml	100%	Mixed alluvium	0.02	N	Y	Y	N	N	N	N	N
225.14	225.16	Cf	100%	Cecil	0.02	State	N	N	Y	N	Y	N	N
225.16	225.17	Ad	100%	Appling	0.01	Prime	N	N	N	N	N	N	N
225.17	225.24	Lr	100%	Louisburg	0.07	N	N	N	Y	N	Y	N	Paralithic
225.24	225.31	Ls	100%	Louisburg	0.07	N	N	N	N	N	Y	N	Paralithic
225.31	225.41	Ad	100%	Appling	0.10	Prime	N	N	N	N	N	N	N
225.41	225.46	Lr	100%	Louisburg	0.05	N	N	N	Y	N	Y	N	Paralithic
225.46	225.52	Ls	100%	Louisburg	0.07	N	N	N	N	N	Y	N	Paralithic
225.52	225.52	Da	100%	Durham	<0.01	Prime	N	N	N	N	Y	N	N
225.52	225.55	Af	100%	Appling	0.03	State	N	N	Y	N	Y	N	N
225.55	225.60	Ls	100%	Louisburg	0.05	N	N	N	N	N	Y	N	Paralithic
225.60	225.67	Da	100%	Durham	0.07	Prime	N	N	N	N	Y	N	N
Nottoway County, VA													
225.87	225.96	Ac	100%	Appling	0.09	Prime	N	N	N	N	Y	N	N
225.96	225.98	Mn	100%	Mixed alluvial land	0.01	N	Y	N	N	N	N	N	N
225.98	226.01	Lh	100%	Louisburg	0.03	N	N	N	Y	N	Y	N	Paralithic
226.01	226.07	Lg	100%	Louisburg	0.06	N	N	N	N	N	Y	N	Paralithic
226.07	226.08	Lk	100%	Louisburg	0.01	N	N	N	Y	N	Y	N	Paralithic
226.08	226.10	Mn	100%	Mixed alluvial land	0.02	N	Y	N	N	N	N	N	N
226.10	226.14	Ab	100%	Appling	0.04	N	N	N	Y	N	Y	Y	N
226.14	226.20	Aa	100%	Appling	0.06	N	N	N	N	N	Y	Y	N
226.20	226.25	Ab	100%	Appling	0.05	N	N	N	Y	N	Y	Y	N
226.25	226.32	Aa	100%	Appling	0.07	N	N	N	N	N	Y	Y	N
226.32	226.33	Wh	100%	Wilkes	0.02	N	N	N	Y	N	Y	N	Paralithic
226.33	226.34	Sa	100%	Seneca	<0.01	Prime	N	N	N	N	Y	N	N
226.34	226.36	Ch	100%	Cecil	0.02	Prime	N	N	N	N	N	N	N
226.36	226.38	Wh	100%	Wilkes	0.02	N	N	N	Y	N	Y	N	Paralithic
226.38	226.39	Ch	100%	Cecil	0.01	Prime	N	N	N	N	N	N	N
226.39	226.45	Wf	100%	Wilkes	0.06	N	N	N	Y	N	Y	N	Paralithic
226.45	226.55	Ac	100%	Appling	0.10	Prime	N	N	N	N	Y	N	N
226.55	226.56	Ae	100%	Appling	0.01	State	N	N	Y	N	Y	N	N
226.56	226.59	Af	100%	Appling	0.04	State	N	N	Y	N	Y	N	N
226.59	226.66	Mn	100%	Mixed alluvial land	0.06	N	Y	N	N	N	N	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
226.66	226.73	Ab	100%	Appling	0.07	N	N	N	Y	N	Y	Y	N
226.73	226.78	Aa	100%	Appling	0.06	N	N	N	N	N	Y	Y	N
226.78	226.81	Ab	100%	Appling	0.03	N	N	N	Y	N	Y	Y	N
226.81	226.93	Aa	100%	Appling	0.12	N	N	N	N	N	Y	Y	N
226.93	226.96	Ab	100%	Appling	0.03	N	N	N	Y	N	Y	Y	N
226.96	227.01	Aa	100%	Appling	0.05	N	N	N	N	N	Y	Y	N
227.01	227.09	Ac	100%	Appling	0.08	Prime	N	N	N	N	Y	N	N
227.09	227.12	Dd	100%	Durham	0.02	State	N	N	N	N	Y	N	N
227.12	227.17	Hd	100%	Helena	0.05	State	N	N	Y	N	Y	N	N
227.17	227.25	Eh	25%	Helena	0.02	State	N	N	Y	N	Y	N	N
			38%	Enon	0.03	State	N	N	Y	N	Y	N	N
				Vance	0.03	State	N	N	Y	N	Y	N	N
227.25	227.27	Ee	25%	Helena	0.01	State	N	N	N	N	N	N	N
			38%	Enon	0.01	State	N	N	N	N	N	N	N
				Vance	0.01	State	N	N	N	N	N	N	N
227.27	227.34	Eh	25%	Helena	0.02	State	N	N	Y	N	Y	N	N
			38%	Enon	0.03	State	N	N	Y	N	Y	N	N
				Vance	0.03	State	N	N	Y	N	Y	N	N
227.34	227.38	Ee	25%	Helena	0.01	State	N	N	N	N	N	N	N
			38%	Enon	0.01	State	N	N	N	N	N	N	N
				Vance	0.01	State	N	N	N	N	N	N	N
227.38	227.46	Ca	100%	Cecil	0.08	N	N	N	N	N	N	N	N
227.46	227.52	Eh	25%	Helena	0.01	State	N	N	Y	N	Y	N	N
			38%	Enon	0.02	State	N	N	Y	N	Y	N	N
				Vance	0.02	State	N	N	Y	N	Y	N	N
227.52	227.54	Wh	100%	Wilkes	0.02	N	N	N	Y	N	Y	N	Paralithic
227.54	227.56	Mn	100%	Mixed alluvial land	0.02	N	Y	N	N	N	N	N	N
227.56	227.58	Wh	100%	Wilkes	0.01	N	N	N	Y	N	Y	N	Paralithic
227.58	227.69	Ia	38%	Mecklenburg	0.04	State	N	N	N	N	N	N	N
			63%	Iredell	0.07	State	N	N	N	N	N	N	N
227.69	227.72	Sc	100%	Stony land	0.04	N	N	N	N	N	N	N	N
227.72	227.75	Ic	38%	Mecklenburg	0.01	State	N	N	Y	N	Y	N	N
			63%	Iredell	0.02	State	N	N	Y	N	Y	N	N
227.75	227.77	Mn	100%	Mixed alluvial land	0.02	N	Y	N	N	N	N	N	N
227.77	227.79	Ic	38%	Mecklenburg	0.01	State	N	N	Y	N	Y	N	N
			63%	Iredell	0.02	State	N	N	Y	N	Y	N	N
227.79	227.84	Bb	100%	Bremo	0.05	N	N	N	Y	N	Y	Y	Lithic
227.84	227.86	Ib	38%	Mecklenburg	0.01	State	N	N	Y	N	Y	N	N
			63%	Iredell	0.01	State	N	N	Y	N	Y	N	N
227.86	227.91	Ee	25%	Helena	0.01	State	N	N	N	N	N	N	N
			38%	Enon	0.02	State	N	N	N	N	N	N	N
				Vance	0.02	State	N	N	N	N	N	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
227.91	227.94	Ic	38%	Mecklenburg	0.01	State	N	N	Y	N	Y	N	N
			63%	Iredell	0.02	State	N	N	Y	N	Y	N	N
227.94	227.98	Eh	25%	Helena	0.01	State	N	N	Y	N	Y	N	N
			38%	Enon	0.02	State	N	N	Y	N	Y	N	N
				Vance	0.02	State	N	N	Y	N	Y	N	N
227.98	228.07	Ic	38%	Mecklenburg	0.04	State	N	N	Y	N	Y	N	N
			63%	Iredell	0.06	State	N	N	Y	N	Y	N	N
228.07	228.17	Eg	25%	Helena	0.02	State	N	N	Y	N	Y	N	N
			38%	Enon	0.04	State	N	N	Y	N	Y	N	N
				Vance	0.04	State	N	N	Y	N	Y	N	N
228.17	228.21	Wc	100%	Wickham	0.04	Prime	N	N	N	N	N	N	N
228.21	228.30	Mn	100%	Mixed alluvial land	0.09	N	Y	N	N	N	N	N	N
228.30	228.34	Wh	100%	Wilkes	0.04	N	N	N	Y	N	Y	N	Paralithic
228.34	228.42	Eg	25%	Helena	0.02	State	N	N	Y	N	Y	N	N
			38%	Enon	0.03	State	N	N	Y	N	Y	N	N
				Vance	0.03	State	N	N	Y	N	Y	N	N
228.42	228.48	Wh	100%	Wilkes	0.06	N	N	N	Y	N	Y	N	Paralithic
228.48	228.54	Wf	100%	Wilkes	0.06	N	N	N	Y	N	Y	N	Paralithic
228.54	228.56	Ee	25%	Helena	0.01	State	N	N	N	N	N	N	N
			38%	Enon	0.01	State	N	N	N	N	N	N	N
				Vance	0.01	State	N	N	N	N	N	N	N
228.56	228.64	Eh	25%	Helena	0.02	State	N	N	Y	N	Y	N	N
			38%	Enon	0.03	State	N	N	Y	N	Y	N	N
				Vance	0.03	State	N	N	Y	N	Y	N	N
228.64	228.71	Ee	25%	Helena	0.02	State	N	N	N	N	N	N	N
			38%	Enon	0.03	State	N	N	N	N	N	N	N
				Vance	0.03	State	N	N	N	N	N	N	N
228.71	228.75	Eg	25%	Helena	0.01	State	N	N	Y	N	Y	N	N
			38%	Enon	0.01	State	N	N	Y	N	Y	N	N
				Vance	0.01	State	N	N	Y	N	Y	N	N
228.75	228.78	Wh	100%	Wilkes	0.03	N	N	N	Y	N	Y	N	Paralithic
228.78	228.83	Mn	100%	Mixed alluvial land	0.06	N	Y	N	N	N	N	N	N
228.83	228.84	Wh	100%	Wilkes	0.01	N	N	N	Y	N	Y	N	Paralithic
228.84	228.84	Mn	100%	Mixed alluvial land	<0.01	N	Y	N	N	N	N	N	N
228.84	228.94	Wg	100%	Wilkes	0.09	N	N	N	Y	N	Y	N	Paralithic
228.94	228.94	Eh	25%	Helena	<0.01	State	N	N	Y	N	Y	N	N
			38%	Enon	<0.01	State	N	N	Y	N	Y	N	N
				Vance	<0.01	State	N	N	Y	N	Y	N	N
228.94	228.96	Bb	100%	Bremo	0.01	N	N	N	Y	N	Y	Y	Lithic
228.96	229.00	Mn	100%	Mixed alluvial land	0.05	N	Y	N	N	N	N	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
229.00	229.04	Wh	100%	Wilkes	0.04	N	N	N	Y	N	Y	N	Paralithic
229.04	229.06	Ib	38%	Mecklenburg	0.01	State	N	N	Y	N	Y	N	N
			63%	Iredell	0.01	State	N	N	Y	N	Y	N	N
229.06	229.09	Le	100%	Lloyd	0.03	State	N	N	Y	N	Y	N	N
229.09	229.13	Wh	100%	Wilkes	0.05	N	N	N	Y	N	Y	N	Paralithic
229.13	229.28	Mn	100%	Mixed alluvial land	0.15	N	Y	N	N	N	N	N	N
229.28	229.29	Wh	100%	Wilkes	0.01	N	N	N	Y	N	Y	N	Paralithic
229.29	229.29	Mn	100%	Mixed alluvial land	<0.01	N	Y	N	N	N	N	N	N
229.29	229.37	Wh	100%	Wilkes	0.08	N	N	N	Y	N	Y	N	Paralithic
229.37	229.44	Ib	38%	Mecklenburg	0.03	State	N	N	Y	N	Y	N	N
			63%	Iredell	0.04	State	N	N	Y	N	Y	N	N
229.44	229.62	Ae	100%	Appling	0.18	State	N	N	Y	N	Y	N	N
229.62	229.66	Sa	100%	Seneca	0.04	Prime	N	N	N	N	Y	N	N
229.66	229.68	Wg	100%	Wilkes	0.03	N	N	N	Y	N	Y	N	Paralithic
229.68	229.70	Dc	100%	Durham	0.02	Prime	N	N	N	N	N	N	N
229.70	229.75	Ac	100%	Appling	0.05	Prime	N	N	N	N	Y	N	N
229.75	229.76	Sa	100%	Seneca	0.02	Prime	N	N	N	N	Y	N	N
229.76	229.79	Dc	100%	Durham	0.03	Prime	N	N	N	N	N	N	N
229.79	229.83	Lg	100%	Louisburg	0.04	N	N	N	N	N	Y	N	Paralithic
229.83	229.88	Lh	100%	Louisburg	0.05	N	N	N	Y	N	Y	N	Paralithic
229.88	229.90	Mn	100%	Mixed alluvial land	0.02	N	Y	N	N	N	N	N	N
229.90	230.02	Ae	100%	Appling	0.12	State	N	N	Y	N	Y	N	N
230.02	230.06	Mn	100%	Mixed alluvial land	0.04	N	Y	N	N	N	N	N	N
230.06	230.09	Ae	100%	Appling	0.03	State	N	N	Y	N	Y	N	N
230.09	230.11	Ac	100%	Appling	0.02	Prime	N	N	N	N	Y	N	N
230.11	230.13	Ca	100%	Cecil	0.02	N	N	N	N	N	N	N	N
230.13	230.20	Ac	100%	Appling	0.07	Prime	N	N	N	N	Y	N	N
230.20	230.22	Sa	100%	Seneca	0.01	Prime	N	N	N	N	Y	N	N
230.22	230.25	Ac	100%	Appling	0.03	Prime	N	N	N	N	Y	N	N
230.25	230.27	Dc	100%	Durham	0.02	Prime	N	N	N	N	N	N	N
230.27	230.36	Ac	100%	Appling	0.10	Prime	N	N	N	N	Y	N	N
230.36	230.39	Sa	100%	Seneca	0.02	Prime	N	N	N	N	Y	N	N
230.39	230.39	Ae	100%	Appling	0.01	State	N	N	Y	N	Y	N	N
230.39	230.56	Ac	100%	Appling	0.17	Prime	N	N	N	N	Y	N	N
230.56	230.66	Eh	25%	Helena	0.03	State	N	N	Y	N	Y	N	N
			38%	Enon	0.04	State	N	N	Y	N	Y	N	N
				Vance	0.04	State	N	N	Y	N	Y	N	N
230.66	230.73	Wh	100%	Wilkes	0.07	N	N	N	Y	N	Y	N	Paralithic
230.73	230.78	Mn	100%	Mixed alluvial land	0.05	N	Y	N	N	N	N	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
230.78	230.99	Wh	100%	Wilkes	0.22	N	N	N	Y	N	Y	N	Paralithic
230.99	231.06	Ee	25%	Helena	0.02	State	N	N	N	N	N	N	N
			38%	Enon	0.03	State	N	N	N	N	N	N	N
				Vance	0.03	State	N	N	N	N	N	N	N
231.06	231.10	Eg	25%	Helena	0.01	State	N	N	Y	N	Y	N	N
			38%	Enon	0.02	State	N	N	Y	N	Y	N	N
				Vance	0.02	State	N	N	Y	N	Y	N	N
231.10	231.16	Mf	100%	Madison	0.05	Prime	N	N	N	N	Y	N	N
231.16	231.18	Sa	100%	Seneca	0.02	Prime	N	N	N	N	Y	N	N
231.18	231.19	Ce	100%	Cecil	0.02	Prime	N	N	N	N	Y	N	N
231.19	231.23	Sa	100%	Seneca	0.03	Prime	N	N	N	N	Y	N	N
231.23	231.25	Ce	100%	Cecil	0.02	Prime	N	N	N	N	Y	N	N
231.25	231.33	Ca	100%	Cecil	0.08	N	N	N	N	N	N	N	N
231.33	231.39	Af	100%	Appling	0.06	State	N	N	Y	N	Y	N	N
231.39	231.41	Sa	100%	Seneca	0.03	Prime	N	N	N	N	Y	N	N
231.41	231.42	Af	100%	Appling	0.01	State	N	N	Y	N	Y	N	N
231.42	231.47	Ac	100%	Appling	0.05	Prime	N	N	N	N	Y	N	N
231.47	231.50	Af	100%	Appling	0.03	State	N	N	Y	N	Y	N	N
231.50	231.57	Ac	100%	Appling	0.07	Prime	N	N	N	N	Y	N	N
231.57	231.60	Dc	100%	Durham	0.03	Prime	N	N	N	N	N	N	N
231.60	231.71	Ae	100%	Appling	0.11	State	N	N	Y	N	Y	N	N
231.71	231.74	Lh	100%	Louisburg	0.03	N	N	N	Y	N	Y	N	Paralithic
231.74	231.81	Ln	100%	Louisburg	0.07	N	N	N	Y	N	Y	N	Paralithic
231.81	231.82	Lh	100%	Louisburg	0.02	N	N	N	Y	N	Y	N	Paralithic
231.82	231.88	Eh	25%	Helena	0.01	State	N	N	Y	N	Y	N	N
			38%	Enon	0.02	State	N	N	Y	N	Y	N	N
				Vance	0.02	State	N	N	Y	N	Y	N	N
231.88	231.97	Ae	100%	Appling	0.09	State	N	N	Y	N	Y	N	N
231.97	231.98	Lm	100%	Louisburg	0.01	N	N	N	Y	N	Y	N	Paralithic
231.98	232.04	Mn	100%	Mixed alluvial land	0.06	N	Y	N	N	N	N	N	N
232.04	232.09	Lk	100%	Louisburg	0.05	N	N	N	Y	N	Y	N	Paralithic
232.09	232.12	Eh	25%	Helena	0.01	State	N	N	Y	N	Y	N	N
			38%	Enon	0.01	State	N	N	Y	N	Y	N	N
				Vance	0.01	State	N	N	Y	N	Y	N	N
232.12	232.14	Lg	100%	Louisburg	0.02	N	N	N	N	N	Y	N	Paralithic
232.14	232.16	Eg	25%	Helena	<0.01	State	N	N	Y	N	Y	N	N
			38%	Enon	0.01	State	N	N	Y	N	Y	N	N
				Vance	0.01	State	N	N	Y	N	Y	N	N
232.16	232.17	Ae	100%	Appling	0.02	State	N	N	Y	N	Y	N	N
232.17	232.21	Ac	100%	Appling	0.04	Prime	N	N	N	N	Y	N	N
232.21	232.27	Ae	100%	Appling	0.06	State	N	N	Y	N	Y	N	N
232.27	232.29	Ac	100%	Appling	0.03	Prime	N	N	N	N	Y	N	N
232.29	232.30	Lg	100%	Louisburg	0.01	N	N	N	N	N	Y	N	Paralithic

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
232.30	232.33	Ld	100%	Lloyd	0.03	Prime	N	N	N	N	N	N	N
232.33	232.36	Lf	100%	Lloyd	0.03	State	N	N	Y	N	Y	N	N
232.36	232.41	Lh	100%	Louisburg	0.05	N	N	N	Y	N	Y	N	Paralithic
232.41	232.47	Lm	100%	Louisburg	0.06	N	N	N	Y	N	Y	N	Paralithic
232.47	232.50	Ac	100%	Appling	0.03	Prime	N	N	N	N	Y	N	N
232.50	232.51	Ae	100%	Appling	0.02	State	N	N	Y	N	Y	N	N
232.51	232.54	Sa	100%	Seneca	0.02	Prime	N	N	N	N	Y	N	N
232.54	232.55	Ae	100%	Appling	0.01	State	N	N	Y	N	Y	N	N
232.55	232.58	Ac	100%	Appling	0.03	Prime	N	N	N	N	Y	N	N
232.58	232.61	Sa	100%	Seneca	0.03	Prime	N	N	N	N	Y	N	N
232.61	232.68	Ac	100%	Appling	0.06	Prime	N	N	N	N	Y	N	N
232.68	232.74	Mn	100%	Mixed alluvial land	0.06	N	Y	N	N	N	N	N	N
232.74	232.83	Ln	100%	Louisburg	0.10	N	N	N	Y	N	Y	N	Paralithic
232.83	232.89	Ag	100%	Appling	0.05	Prime	N	N	N	N	N	N	N
232.89	232.90	Ln	100%	Louisburg	0.01	N	N	N	Y	N	Y	N	Paralithic
232.90	232.93	Ag	100%	Appling	0.03	Prime	N	N	N	N	N	N	N
232.93	233.00	Ln	100%	Louisburg	0.08	N	N	N	Y	N	Y	N	Paralithic
233.00	233.02	Lh	100%	Louisburg	0.01	N	N	N	Y	N	Y	N	Paralithic
233.02	233.04	Ac	100%	Appling	0.02	Prime	N	N	N	N	Y	N	N
233.04	233.08	Ln	100%	Louisburg	0.04	N	N	N	Y	N	Y	N	Paralithic
233.08	233.12	Af	100%	Appling	0.04	State	N	N	Y	N	Y	N	N
233.12	233.15	Ak	100%	Appling	0.03	State	N	N	Y	N	Y	N	N
233.15	233.17	Sa	100%	Seneca	0.02	Prime	N	N	N	N	Y	N	N
233.17	233.23	Ag	100%	Appling	0.06	Prime	N	N	N	N	N	N	N
233.23	233.25	Ae	100%	Appling	0.02	State	N	N	Y	N	Y	N	N
233.25	233.28	Sa	100%	Seneca	0.03	Prime	N	N	N	N	Y	N	N
233.28	233.32	Ae	100%	Appling	0.04	State	N	N	Y	N	Y	N	N
233.32	233.33	Sa	100%	Seneca	0.01	Prime	N	N	N	N	Y	N	N
233.33	233.34	Ae	100%	Appling	0.02	State	N	N	Y	N	Y	N	N
233.34	233.36	Ac	100%	Appling	0.01	Prime	N	N	N	N	Y	N	N
233.36	233.37	Ae	100%	Appling	0.01	State	N	N	Y	N	Y	N	N
233.37	233.40	Mn	100%	Mixed alluvial land	0.03	N	Y	N	N	N	N	N	N
233.40	233.43	Ln	100%	Louisburg	0.03	N	N	N	Y	N	Y	N	Paralithic
233.43	233.45	Ae	100%	Appling	0.02	State	N	N	Y	N	Y	N	N
233.45	233.47	Ac	100%	Appling	0.03	Prime	N	N	N	N	Y	N	N
233.47	233.52	Ae	100%	Appling	0.05	State	N	N	Y	N	Y	N	N
233.52	233.54	Wk	100%	Worsham	0.02	N	Y	N	N	N	N	N	N
233.54	233.59	Dd	100%	Durham	0.04	State	N	N	N	N	Y	N	N
233.59	233.61	Ac	100%	Appling	0.03	Prime	N	N	N	N	Y	N	N
233.61	233.70	Ce	100%	Cecil	0.09	Prime	N	N	N	N	Y	N	N
233.70	233.77	Ae	100%	Appling	0.07	State	N	N	Y	N	Y	N	N
233.77	233.99	Ac	100%	Appling	0.23	Prime	N	N	N	N	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/Rocky ^g	Shallow to Bedrock ^h	
Begin	End								Water ^d	Wind ^e				
233.99	234.01	Ee	25%	Helena	0.01	State	N	N	N	N	N	N	N	
			38%	Enon	0.01	State	N	N	N	N	N	N	N	N
				Vance	0.01	State	N	N	N	N	N	N	N	N
234.01	234.06	Eh	25%	Helena	0.01	State	N	N	Y	N	Y	N	N	
			38%	Enon	0.02	State	N	N	Y	N	Y	N	N	N
				Vance	0.02	State	N	N	Y	N	Y	N	N	N
234.06	234.10	Ee	25%	Helena	0.01	State	N	N	N	N	N	N	N	
			38%	Enon	0.02	State	N	N	N	N	N	N	N	N
				Vance	0.02	State	N	N	N	N	N	N	N	N
234.10	234.13	Eh	25%	Helena	0.01	State	N	N	Y	N	Y	N	N	
			38%	Enon	0.01	State	N	N	Y	N	Y	N	N	N
				Vance	0.01	State	N	N	Y	N	Y	N	N	N
234.13	234.14	Wg	100%	Wilkes	0.01	N	N	N	Y	N	Y	N	Paralithic	
234.14	234.18	Mn	100%	Mixed alluvial land	0.04	N	Y	N	N	N	N	N	N	
234.18	234.19	Wg	100%	Wilkes	0.01	N	N	N	Y	N	Y	N	Paralithic	
234.19	234.22	We	100%	Wilkes	0.03	N	N	N	Y	N	Y	N	Paralithic	
234.22	234.37	Eh	25%	Helena	0.04	State	N	N	Y	N	Y	N	N	
			38%	Enon	0.06	State	N	N	Y	N	Y	N	N	N
				Vance	0.06	State	N	N	Y	N	Y	N	N	N
234.37	234.41	Ee	25%	Helena	0.01	State	N	N	N	N	N	N	N	
			38%	Enon	0.02	State	N	N	N	N	N	N	N	N
				Vance	0.02	State	N	N	N	N	N	N	N	N
234.41	234.55	Ag	100%	Appling	0.14	Prime	N	N	N	N	N	N	N	
234.55	234.64	Ch	100%	Cecil	0.10	Prime	N	N	N	N	N	N	N	
234.64	234.72	Cb	100%	Cecil	0.08	N	N	N	Y	N	Y	N	N	
234.72	234.76	Ch	100%	Cecil	0.04	Prime	N	N	N	N	N	N	N	
234.76	234.81	Cb	100%	Cecil	0.06	N	N	N	Y	N	Y	N	N	
234.81	234.84	Sb	100%	Starr	0.03	State	N	N	N	N	N	N	N	
234.84	234.86	Cb	100%	Cecil	0.02	N	N	N	Y	N	Y	N	N	
234.86	234.89	Eh	25%	Helena	0.01	State	N	N	Y	N	Y	N	N	
			38%	Enon	0.01	State	N	N	Y	N	Y	N	N	N
				Vance	0.01	State	N	N	Y	N	Y	N	N	N
234.89	234.93	Ch	100%	Cecil	0.04	Prime	N	N	N	N	N	N	N	
234.93	234.95	Eh	25%	Helena	<0.01	State	N	N	Y	N	Y	N	N	
			38%	Enon	0.01	State	N	N	Y	N	Y	N	N	N
				Vance	0.01	State	N	N	Y	N	Y	N	N	N
234.95	234.98	Ch	100%	Cecil	0.04	Prime	N	N	N	N	N	N	N	
234.98	235.00	Eh	25%	Helena	<0.01	State	N	N	Y	N	Y	N	N	
			38%	Enon	0.01	State	N	N	Y	N	Y	N	N	N
				Vance	0.01	State	N	N	Y	N	Y	N	N	N
235.00	235.12	Ei	25%	Helena	0.03	State	N	N	Y	N	Y	N	N	
			38%	Enon	0.04	State	N	N	Y	N	Y	N	N	N
				Vance	0.04	State	N	N	Y	N	Y	N	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
235.12	235.17	Mb	100%	Madison	0.05	N	N	N	Y	N	Y	N	N
235.17	235.19	Sa	100%	Seneca	0.03	Prime	N	N	N	N	Y	N	N
235.19	235.22	Wh	100%	Wilkes	0.03	N	N	N	Y	N	Y	N	Paralithic
235.22	235.28	Mb	100%	Madison	0.06	N	N	N	Y	N	Y	N	N
235.28	235.32	Wh	100%	Wilkes	0.04	N	N	N	Y	N	Y	N	Paralithic
235.32	235.41	Eh	25%	Helena	0.02	State	N	N	Y	N	Y	N	N
			38%	Enon	0.03	State	N	N	Y	N	Y	N	N
				Vance	0.03	State	N	N	Y	N	Y	N	N
				Wilkes	0.14	N	N	N	Y	N	Y	N	N
235.41	235.55	Wg	100%	Wilkes	0.14	N	N	N	Y	N	Y	N	Paralithic
235.55	235.58	Mn	100%	Mixed alluvial land	0.03	N	Y	N	N	N	N	N	N
235.58	235.61	Wh	100%	Wilkes	0.03	N	N	N	Y	N	Y	N	Paralithic
235.61	235.67	Eg	25%	Helena	0.02	State	N	N	Y	N	Y	N	N
			38%	Enon	0.02	State	N	N	Y	N	Y	N	N
				Vance	0.02	State	N	N	Y	N	Y	N	N
				Worsham	0.03	N	Y	N	N	N	N	N	N
235.67	235.70	Wk	100%	Worsham	0.03	N	Y	N	N	N	N	N	N
235.70	235.71	Eg	25%	Helena	<0.01	State	N	N	Y	N	Y	N	N
			38%	Enon	<0.01	State	N	N	Y	N	Y	N	N
				Vance	<0.01	State	N	N	Y	N	Y	N	N
				Worsham	0.02	N	Y	N	N	N	N	N	N
235.71	235.73	Wk	100%	Worsham	0.02	N	Y	N	N	N	N	N	N
235.73	235.74	Ee	25%	Helena	<0.01	State	N	N	N	N	N	N	N
			38%	Enon	<0.01	State	N	N	N	N	N	N	N
				Vance	<0.01	State	N	N	N	N	N	N	N
				Worsham	0.02	N	Y	N	N	N	N	N	N
235.74	235.80	Eg	25%	Helena	0.01	State	N	N	Y	N	Y	N	N
			38%	Enon	0.02	State	N	N	Y	N	Y	N	N
				Vance	0.02	State	N	N	Y	N	Y	N	N
				Wilkes	0.03	N	N	N	Y	N	Y	N	N
235.80	235.83	Wg	100%	Wilkes	0.03	N	N	N	Y	N	Y	N	Paralithic
235.83	235.94	Eg	25%	Helena	0.03	State	N	N	Y	N	Y	N	N
			38%	Enon	0.04	State	N	N	Y	N	Y	N	N
				Vance	0.04	State	N	N	Y	N	Y	N	N
				Louisburg	0.03	N	N	N	Y	N	Y	N	N
235.94	235.96	Lm	100%	Louisburg	0.03	N	N	N	Y	N	Y	N	Paralithic
235.96	236.06	Mn	100%	Mixed alluvial land	0.10	N	Y	N	N	N	N	N	N
236.06	236.14	Af	100%	Appling	0.07	State	N	N	Y	N	Y	N	N
236.14	236.18	Eg	25%	Helena	0.01	State	N	N	Y	N	Y	N	N
			38%	Enon	0.02	State	N	N	Y	N	Y	N	N
				Vance	0.02	State	N	N	Y	N	Y	N	N
				Cecil	0.03	Prime	N	N	N	N	N	N	N
236.18	236.21	Ch	100%	Cecil	0.03	Prime	N	N	N	N	N	N	N
236.21	236.23	Wh	100%	Wilkes	0.01	N	N	N	Y	N	Y	N	Paralithic
236.23	236.25	Mn	100%	Mixed alluvial land	0.03	N	Y	N	N	N	N	N	N
236.25	236.30	Wh	100%	Wilkes	0.05	N	N	N	Y	N	Y	N	Paralithic
236.30	236.35	Ek	25%	Helena	0.01	State	N	N	Y	N	Y	N	N
			38%	Enon	0.02	State	N	N	Y	N	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h	
Begin	End								Water ^d	Wind ^e				
236.35	236.43	Ee	25%	Vance	0.02	State	N	N	Y	N	Y	N	N	
			38%	Helena	0.02	State	N	N	N	N	N	N	N	N
				Enon	0.03	State	N	N	N	N	N	N	N	N
236.43	236.49	Wh	100%	Vance	0.03	State	N	N	N	N	N	N	N	
				Wilkes	0.06	N	N	N	Y	N	Y	N	Paralithic	
236.49	236.51	Lm	100%	Louisburg	0.03	N	N	N	Y	N	Y	N	Paralithic	
236.51	236.52	Mn	100%	Mixed alluvial land	0.01	N	Y	N	N	N	N	N	N	
236.52	236.62	Lm	100%	Louisburg	0.10	N	N	N	Y	N	Y	N	Paralithic	
236.62	236.65	Ee	25%	Helena	0.01	State	N	N	N	N	N	N	N	
			38%	Enon	0.01	State	N	N	N	N	N	N	N	N
				Vance	0.01	State	N	N	N	N	N	N	N	N
236.65	236.72	Wf	100%	Wilkes	0.07	N	N	N	Y	N	Y	N	Paralithic	
			25%	Helena	0.01	State	N	N	N	N	N	N	N	N
236.72	236.77	Ee	38%	Enon	0.02	State	N	N	N	N	N	N	N	
				Vance	0.02	State	N	N	N	N	N	N	N	N
				Appling	0.04	State	N	N	N	Y	N	Y	N	N
236.81	236.83	Ac	100%	Appling	0.03	Prime	N	N	N	Y	N	N	N	
236.83	236.87	Ln	100%	Louisburg	0.04	N	N	N	Y	N	Y	N	Paralithic	
236.87	236.90	Wg	100%	Wilkes	0.03	N	N	N	Y	N	Y	N	Paralithic	
236.90	236.92	Ee	25%	Helena	0.01	State	N	N	N	N	N	N	N	
			38%	Enon	0.01	State	N	N	N	N	N	N	N	N
				Vance	0.01	State	N	N	N	N	N	N	N	N
236.92	237.01	Wh	100%	Wilkes	0.09	N	N	N	Y	N	Y	N	Paralithic	
			237.01	237.04	Lm	100%	Louisburg	0.03	N	N	N	Y	N	Y
237.04	237.13	Eg	25%	Helena	0.02	State	N	N	Y	N	Y	N	N	
			38%	Enon	0.03	State	N	N	Y	N	Y	N	N	N
				Vance	0.03	State	N	N	Y	N	Y	N	N	N
237.13	237.20	Ee	25%	Helena	0.02	State	N	N	N	N	N	N	N	
			38%	Enon	0.03	State	N	N	N	N	N	N	N	N
				Vance	0.03	State	N	N	N	N	N	N	N	N
237.20	237.26	Eh	25%	Helena	0.02	State	N	N	Y	N	Y	N	N	
			38%	Enon	0.02	State	N	N	Y	N	Y	N	N	N
				Vance	0.02	State	N	N	Y	N	Y	N	N	N
237.26	237.27	Mn	100%	Mixed alluvial land	0.01	N	Y	N	N	N	N	N	N	
237.27	237.30	Eh	25%	Helena	0.01	State	N	N	Y	N	Y	N	N	
			38%	Enon	0.01	State	N	N	Y	N	Y	N	N	N
				Vance	0.01	State	N	N	Y	N	Y	N	N	N
237.30	237.34	Ld	100%	Lloyd	0.04	Prime	N	N	N	N	N	N	N	
237.34	237.41	Lb	100%	Lloyd	0.06	N	N	N	Y	N	Y	N	N	
237.41	237.42	Wg	100%	Wilkes	0.02	N	N	N	Y	N	Y	N	Paralithic	
237.42	237.46	Wk	100%	Worsham	0.04	N	Y	N	N	N	N	N	N	
237.46	237.47	Lh	100%	Louisburg	0.02	N	N	N	Y	N	Y	N	Paralithic	

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
237.47	237.50	Ak	100%	Appling	0.03	State	N	N	Y	N	Y	N	N
237.50	237.52	Ac	100%	Appling	0.01	Prime	N	N	N	N	Y	N	N
237.52	237.54	Ee	25%	Helena	0.01	State	N	N	N	N	N	N	N
			38%	Enon	0.01	State	N	N	N	N	N	N	N
				Vance	0.01	State	N	N	N	N	N	N	N
237.54	237.67	Ch	100%	Cecil	0.13	Prime	N	N	N	N	N	N	N
237.67	237.68	Ak	100%	Appling	0.02	State	N	N	Y	N	Y	N	N
237.68	237.71	Ch	100%	Cecil	0.03	Prime	N	N	N	N	N	N	N
237.71	237.76	Ak	100%	Appling	0.05	State	N	N	Y	N	Y	N	N
237.76	237.95	Ch	100%	Cecil	0.19	Prime	N	N	N	N	N	N	N
237.95	238.02	Ag	100%	Appling	0.08	Prime	N	N	N	N	N	N	N
238.02	238.24	Ak	100%	Appling	0.22	State	N	N	Y	N	Y	N	N
238.24	238.32	Wg	100%	Wilkes	0.08	N	N	N	Y	N	Y	N	Paralithic
238.32	238.41	Ac	100%	Appling	0.09	Prime	N	N	N	N	Y	N	N
238.41	238.50	Wf	100%	Wilkes	0.09	N	N	N	Y	N	Y	N	Paralithic
238.50	238.55	Mf	100%	Madison	0.05	Prime	N	N	N	N	Y	N	N
238.55	238.60	Wf	100%	Wilkes	0.05	N	N	N	Y	N	Y	N	Paralithic
238.60	238.65	Mn	100%	Mixed alluvial land	0.05	N	Y	N	N	N	N	N	N
238.65	238.70	Wh	100%	Wilkes	0.05	N	N	N	Y	N	Y	N	Paralithic
238.70	238.73	Wf	100%	Wilkes	0.04	N	N	N	Y	N	Y	N	Paralithic
238.73	238.80	Wh	100%	Wilkes	0.07	N	N	N	Y	N	Y	N	Paralithic
238.80	238.87	Mc	100%	Madison	0.07	N	N	N	Y	N	Y	N	N
238.87	238.92	Wf	100%	Wilkes	0.05	N	N	N	Y	N	Y	N	Paralithic
238.92	238.97	Mf	100%	Madison	0.05	Prime	N	N	N	N	Y	N	N
238.97	239.08	Wh	100%	Wilkes	0.11	N	N	N	Y	N	Y	N	Paralithic
239.08	239.13	Mn	100%	Mixed alluvial land	0.04	N	Y	N	N	N	N	N	N
239.13	239.19	Ln	100%	Louisburg	0.07	N	N	N	Y	N	Y	N	Paralithic
239.19	239.24	Lh	100%	Louisburg	0.05	N	N	N	Y	N	Y	N	Paralithic
239.24	239.35	Ln	100%	Louisburg	0.11	N	N	N	Y	N	Y	N	Paralithic
239.35	239.37	Mf	100%	Madison	0.02	Prime	N	N	N	N	Y	N	N
239.37	239.42	Ln	100%	Louisburg	0.05	N	N	N	Y	N	Y	N	Paralithic
239.42	239.44	Mf	100%	Madison	0.02	Prime	N	N	N	N	Y	N	N
239.44	239.46	Md	100%	Madison	0.02	N	N	N	Y	N	Y	N	N
239.46	239.48	Mf	100%	Madison	0.02	Prime	N	N	N	N	Y	N	N
239.48	239.50	Md	100%	Madison	0.02	N	N	N	Y	N	Y	N	N
239.50	239.52	Ce	100%	Cecil	0.01	Prime	N	N	N	N	Y	N	N
239.52	239.56	Md	100%	Madison	0.04	N	N	N	Y	N	Y	N	N
239.56	239.59	Cd	100%	Cecil	0.03	N	N	N	Y	N	Y	N	N
239.59	239.70	Cf	100%	Cecil	0.11	State	N	N	Y	N	Y	N	N
239.70	239.74	Ac	100%	Appling	0.04	Prime	N	N	N	N	Y	N	N
239.74	239.80	Ae	100%	Appling	0.06	State	N	N	Y	N	Y	N	N
239.80	239.81	Ac	100%	Appling	<0.01	Prime	N	N	N	N	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
239.81	239.92	Lm	100%	Louisburg	0.11	N	N	N	Y	N	Y	N	Paralithic
239.92	239.93	Mf	100%	Madison	0.01	Prime	N	N	N	N	Y	N	N
239.93	239.97	Cg	100%	Cecil	0.04	State	N	N	Y	N	Y	N	N
239.97	240.09	Ce	100%	Cecil	0.12	Prime	N	N	N	N	Y	N	N
240.09	240.17	Mf	100%	Madison	0.08	Prime	N	N	N	N	Y	N	N
240.17	240.18	Mh	100%	Madison	0.01	State	N	N	Y	N	Y	N	N
240.18	240.27	Mf	100%	Madison	0.09	Prime	N	N	N	N	Y	N	N
240.27	240.29	Mh	100%	Madison	0.01	State	N	N	Y	N	Y	N	N
240.29	240.46	Mf	100%	Madison	0.17	Prime	N	N	N	N	Y	N	N
240.46	240.50	Eg	25%	Helena	0.01	State	N	N	Y	N	Y	N	N
			38%	Enon	0.02	State	N	N	Y	N	Y	N	N
				Vance	0.02	State	N	N	Y	N	Y	N	N
240.50	240.65	Wa	100%	Wehadkee	0.15	N	Y	Y	N	N	N	N	N
240.65	240.75	Wh	100%	Wilkes	0.10	N	N	N	Y	N	Y	N	Paralithic
240.75	240.80	Ee	25%	Helena	0.01	State	N	N	N	N	N	N	N
			38%	Enon	0.02	State	N	N	N	N	N	N	N
				Vance	0.02	State	N	N	N	N	N	N	N
240.80	240.84	Wh	100%	Wilkes	0.04	N	N	N	Y	N	Y	N	Paralithic
240.84	240.85	Ee	25%	Helena	<0.01	State	N	N	N	N	N	N	N
			38%	Enon	<0.01	State	N	N	N	N	N	N	N
				Vance	<0.01	State	N	N	N	N	N	N	N
240.85	240.92	Wh	100%	Wilkes	0.07	N	N	N	Y	N	Y	N	Paralithic
240.92	240.99	Ea	100%	Enon	0.07	State	N	N	N	N	N	N	N
240.99	241.08	Eh	25%	Helena	0.02	State	N	N	Y	N	Y	N	N
			38%	Enon	0.04	State	N	N	Y	N	Y	N	N
				Vance	0.04	State	N	N	Y	N	Y	N	N
241.08	241.34	Ha	100%	Helena	0.27	Prime	N	N	N	N	N	N	N
241.34	241.38	Eh	25%	Helena	0.01	State	N	N	Y	N	Y	N	N
			38%	Enon	0.02	State	N	N	Y	N	Y	N	N
				Vance	0.02	State	N	N	Y	N	Y	N	N
241.38	241.41	Ee	25%	Helena	0.01	State	N	N	N	N	N	N	N
			38%	Enon	0.01	State	N	N	N	N	N	N	N
				Vance	0.01	State	N	N	N	N	N	N	N
241.41	241.44	Eh	25%	Helena	0.01	State	N	N	Y	N	Y	N	N
			38%	Enon	0.01	State	N	N	Y	N	Y	N	N
				Vance	0.01	State	N	N	Y	N	Y	N	N
241.44	241.47	Mn	100%	Mixed alluvial land	0.02	N	Y	N	N	N	N	N	N
241.47	241.52	Ag	100%	Appling	0.06	Prime	N	N	N	N	N	N	N
241.52	241.57	Mn	100%	Mixed alluvial land	0.06	N	Y	N	N	N	N	N	N
241.57	241.62	Ee	25%	Helena	0.01	State	N	N	N	N	N	N	N
			38%	Enon	0.02	State	N	N	N	N	N	N	N
				Vance	0.02	State	N	N	N	N	N	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
241.62	241.64	Md	100%	Madison	0.02	N	N	N	Y	N	Y	N	N
241.64	241.65	Wg	100%	Wilkes	0.01	N	N	N	Y	N	Y	N	Paralithic
241.65	241.69	Ma	100%	Madison	0.04	N	N	N	N	N	N	N	N
241.69	241.69	Wg	100%	Wilkes	<0.01	N	N	N	Y	N	Y	N	Paralithic
241.69	241.71	Mb	100%	Madison	0.02	N	N	N	Y	N	Y	N	N
241.71	241.74	Ma	100%	Madison	0.04	N	N	N	N	N	N	N	N
241.74	241.76	Mb	100%	Madison	0.02	N	N	N	Y	N	Y	N	N
241.76	241.98	Mf	100%	Madison	0.23	Prime	N	N	N	N	Y	N	N
241.98	242.05	Ee	25%	Helena	0.02	State	N	N	N	N	N	N	N
			38%	Enon	0.03	State	N	N	N	N	N	N	N
				Vance	0.03	State	N	N	N	N	N	N	N
242.05	242.07	Mf	100%	Madison	0.01	Prime	N	N	N	N	Y	N	N
242.07	242.08	Ee	25%	Helena	<0.01	State	N	N	N	N	N	N	N
			38%	Enon	<0.01	State	N	N	N	N	N	N	N
				Vance	<0.01	State	N	N	N	N	N	N	N
242.08	242.12	Cp	100%	Colfax	0.04	N	N	N	N	N	N	N	Paralithic
242.12	242.18	Mf	100%	Madison	0.07	Prime	N	N	N	N	Y	N	N
242.18	242.20	Sa	100%	Seneca	0.02	Prime	N	N	N	N	Y	N	N
242.20	242.21	Mf	100%	Madison	0.01	Prime	N	N	N	N	Y	N	N
242.21	242.27	Ag	100%	Appling	0.05	Prime	N	N	N	N	N	N	N
242.27	242.37	Ch	100%	Cecil	0.10	Prime	N	N	N	N	N	N	N
242.37	242.51	Ck	100%	Cecil	0.15	State	N	N	Y	N	Y	N	N
242.51	242.59	Mf	100%	Madison	0.08	Prime	N	N	N	N	Y	N	N
242.59	242.66	Lm	100%	Louisburg	0.06	N	N	N	Y	N	Y	N	Paralithic
242.66	242.69	Eh	25%	Helena	0.01	State	N	N	Y	N	Y	N	N
			38%	Enon	0.01	State	N	N	Y	N	Y	N	N
				Vance	0.01	State	N	N	Y	N	Y	N	N
242.69	242.74	Al	100%	Appling	0.06	State	N	N	Y	N	Y	N	N
242.74	242.78	Ee	25%	Helena	0.01	State	N	N	N	N	N	N	N
			38%	Enon	0.01	State	N	N	N	N	N	N	N
				Vance	0.01	State	N	N	N	N	N	N	N
242.78	242.81	Lk	100%	Louisburg	0.03	N	N	N	Y	N	Y	N	Paralithic
242.81	242.84	Bb	100%	Bremo	0.02	N	N	N	Y	N	Y	Y	Lithic
242.84	242.88	Wa	100%	Wehadkee	0.04	N	Y	Y	N	N	N	N	N
242.88	243.04	Mn	100%	Mixed alluvial land	0.17	N	Y	N	N	N	N	N	N
243.04	243.24	Mc	100%	Madison	0.20	N	N	N	Y	N	Y	N	N
243.24	243.26	Ma	100%	Madison	0.02	N	N	N	N	N	N	N	N
243.26	243.27	Ee	25%	Helena	<0.01	State	N	N	N	N	N	N	N
			38%	Enon	<0.01	State	N	N	N	N	N	N	N
				Vance	<0.01	State	N	N	N	N	N	N	N
243.27	243.29	We	100%	Wilkes	0.03	N	N	N	Y	N	Y	N	Paralithic
243.29	243.30	Wk	100%	Worsham	0.01	N	Y	N	N	N	N	N	N
243.30	243.31	Ee	25%	Helena	<0.01	State	N	N	N	N	N	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h	
Begin	End								Water ^d	Wind ^e				
243.31	243.36	Eg	38%	Enon	<0.01	State	N	N	N	N	N	N	N	
				Vance	<0.01	State	N	N	N	N	N	N	N	N
			25%	Helena	0.01	State	N	N	N	Y	N	Y	N	N
			38%	Enon	0.02	State	N	N	N	Y	N	Y	N	N
				Vance	0.02	State	N	N	N	Y	N	Y	N	N
243.36	243.38	Wk	100%	Worsham	0.02	N	Y	N	N	N	N	N	N	
243.38	243.40	Ha	100%	Helena	0.02	Prime	N	N	N	N	N	N	N	
243.40	243.52	Va	100%	Vance	0.12	Prime	N	N	N	N	N	N	N	
243.52	243.54	Ee	25%	Helena	0.01	State	N	N	N	N	N	N	N	
			38%	Enon	0.01	State	N	N	N	N	N	N	N	N
				Vance	0.01	State	N	N	N	N	N	N	N	N
243.54	243.57	Wh	100%	Wilkes	0.02	N	N	N	Y	N	Y	N	Paralithic	
243.57	243.58	Wk	100%	Worsham	0.01	N	Y	N	N	N	N	N	N	
243.58	243.60	Wh	100%	Wilkes	0.03	N	N	N	Y	N	Y	N	Paralithic	
243.60	243.63	Wk	100%	Worsham	0.03	N	Y	N	N	N	N	N	N	
243.63	243.66	Ea	100%	Enon	0.04	State	N	N	N	N	N	N	N	
243.66	243.91	Ch	100%	Cecil	0.26	Prime	N	N	N	N	N	N	N	
243.91	243.96	Mb	100%	Madison	0.05	N	N	N	Y	N	Y	N	N	
243.96	244.02	Ch	100%	Cecil	0.06	Prime	N	N	N	N	N	N	N	
244.02	244.08	We	100%	Wilkes	0.06	N	N	N	Y	N	Y	N	Paralithic	
244.08	244.18	Mn	100%	Mixed alluvial land	0.11	N	Y	N	N	N	N	N	N	
244.18	244.22	Ag	100%	Appling	0.05	Prime	N	N	N	N	N	N	N	
244.22	244.25	We	100%	Wilkes	0.03	N	N	N	Y	N	Y	N	Paralithic	
244.25	244.36	Ac	100%	Appling	0.12	Prime	N	N	N	N	Y	N	N	
244.36	244.42	Ae	100%	Appling	0.07	State	N	N	Y	N	Y	N	N	
244.42	244.47	Ag	100%	Appling	0.05	Prime	N	N	N	N	N	N	N	
244.47	244.50	Ae	100%	Appling	0.03	State	N	N	Y	N	Y	N	N	
244.50	244.51	Wg	100%	Wilkes	0.01	N	N	N	Y	N	Y	N	Paralithic	
244.51	244.53	Mn	100%	Mixed alluvial land	0.02	N	Y	N	N	N	N	N	N	
244.53	244.54	Wg	100%	Wilkes	0.02	N	N	N	Y	N	Y	N	Paralithic	
244.54	244.56	Af	100%	Appling	0.02	State	N	N	Y	N	Y	N	N	
244.56	244.62	Ch	100%	Cecil	0.07	Prime	N	N	N	N	N	N	N	
244.62	244.66	Af	100%	Appling	0.04	State	N	N	Y	N	Y	N	N	
244.66	244.69	Wk	100%	Worsham	0.02	N	Y	N	N	N	N	N	N	
244.69	244.75	Af	100%	Appling	0.06	State	N	N	Y	N	Y	N	N	
244.75	244.77	Ac	100%	Appling	0.02	Prime	N	N	N	N	Y	N	N	
244.77	244.78	Ca	100%	Cecil	0.02	N	N	N	N	N	N	N	N	
244.78	244.82	Cb	100%	Cecil	0.04	N	N	N	Y	N	Y	N	N	
244.82	244.85	Ca	100%	Cecil	0.04	N	N	N	N	N	N	N	N	
244.85	244.87	Ak	100%	Appling	0.01	State	N	N	Y	N	Y	N	N	
244.87	244.88	Wk	100%	Worsham	0.02	N	Y	N	N	N	N	N	N	
244.88	244.90	Ae	100%	Appling	0.02	State	N	N	Y	N	Y	N	N	

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
244.90	245.01	Ag	100%	Appling	0.11	Prime	N	N	N	N	N	N	N
245.01	245.03	Dc	100%	Durham	0.03	Prime	N	N	N	N	N	N	N
245.03	245.04	Cp	100%	Colfax	0.01	N	N	N	N	N	N	N	Paralithic
245.04	245.08	Wk	100%	Worsham	0.04	N	Y	N	N	N	N	N	N
245.08	245.14	Cp	100%	Colfax	0.06	N	N	N	N	N	N	N	Paralithic
245.14	245.27	Ag	100%	Appling	0.13	Prime	N	N	N	N	N	N	N
245.27	245.32	Ca	100%	Cecil	0.04	N	N	N	N	N	N	N	N
245.32	245.36	Ae	100%	Appling	0.05	State	N	N	Y	N	Y	N	N
245.36	245.39	Wk	100%	Worsham	0.03	N	Y	N	N	N	N	N	N
245.39	245.47	Ae	100%	Appling	0.07	State	N	N	Y	N	Y	N	N
245.47	245.52	Mn	100%	Mixed alluvial land	0.05	N	Y	N	N	N	N	N	N
245.52	245.55	Ae	100%	Appling	0.04	State	N	N	Y	N	Y	N	N
245.55	245.60	Mn	100%	Mixed alluvial land	0.05	N	Y	N	N	N	N	N	N
245.60	245.66	Af	100%	Appling	0.07	State	N	N	Y	N	Y	N	N
245.66	245.69	Sa	100%	Seneca	0.03	Prime	N	N	N	N	Y	N	N
245.69	245.77	Af	100%	Appling	0.08	State	N	N	Y	N	Y	N	N
245.77	245.85	Ce	100%	Cecil	0.08	Prime	N	N	N	N	Y	N	N
245.85	245.97	Af	100%	Appling	0.12	State	N	N	Y	N	Y	N	N
245.97	246.01	Mn	100%	Mixed alluvial land	0.04	N	Y	N	N	N	N	N	N
246.01	246.05	Ae	100%	Appling	0.04	State	N	N	Y	N	Y	N	N
246.05	246.12	Ac	100%	Appling	0.07	Prime	N	N	N	N	Y	N	N
246.12	246.21	Ae	100%	Appling	0.09	State	N	N	Y	N	Y	N	N
246.21	246.25	Ac	100%	Appling	0.03	Prime	N	N	N	N	Y	N	N
246.25	246.28	Da	100%	Durham	0.03	Prime	N	N	N	N	Y	N	N
246.28	246.45	Ac	100%	Appling	0.17	Prime	N	N	N	N	Y	N	N
246.45	246.48	Ae	100%	Appling	0.03	State	N	N	Y	N	Y	N	N
246.48	246.51	Wk	100%	Worsham	0.03	N	Y	N	N	N	N	N	N
246.51	246.59	Ac	100%	Appling	0.09	Prime	N	N	N	N	Y	N	N
246.59	246.63	Da	100%	Durham	0.03	Prime	N	N	N	N	Y	N	N
246.63	246.65	Ac	100%	Appling	0.02	Prime	N	N	N	N	Y	N	N
246.65	246.69	Af	100%	Appling	0.05	State	N	N	Y	N	Y	N	N
246.69	246.72	Ac	100%	Appling	0.03	Prime	N	N	N	N	Y	N	N
246.72	246.74	Af	100%	Appling	0.02	State	N	N	Y	N	Y	N	N
246.74	246.76	Sa	100%	Seneca	0.02	Prime	N	N	N	N	Y	N	N
246.76	246.79	Af	100%	Appling	0.03	State	N	N	Y	N	Y	N	N
246.79	246.88	Ac	100%	Appling	0.09	Prime	N	N	N	N	Y	N	N
246.88	246.92	Af	100%	Appling	0.04	State	N	N	Y	N	Y	N	N
246.92	246.95	Ac	100%	Appling	0.04	Prime	N	N	N	N	Y	N	N
246.95	246.97	Af	100%	Appling	0.02	State	N	N	Y	N	Y	N	N
246.97	246.99	Mn	100%	Mixed alluvial land	0.02	N	Y	N	N	N	N	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
246.99	247.03	Sa	100%	Seneca	0.04	Prime	N	N	N	N	Y	N	N
247.03	247.05	Ac	100%	Appling	0.02	Prime	N	N	N	N	Y	N	N
247.05	247.11	Ae	100%	Appling	0.06	State	N	N	Y	N	Y	N	N
247.11	247.16	Mn	100%	Mixed alluvial land	0.05	N	Y	N	N	N	N	N	N
247.16	247.45	Ac	100%	Appling	0.29	Prime	N	N	N	N	Y	N	N
247.45	247.50	Da	100%	Durham	0.06	Prime	N	N	N	N	Y	N	N
247.50	247.57	Ac	100%	Appling	0.07	Prime	N	N	N	N	Y	N	N
247.57	247.64	Da	100%	Durham	0.07	Prime	N	N	N	N	Y	N	N
247.64	247.74	Ac	100%	Appling	0.11	Prime	N	N	N	N	Y	N	N
247.74	247.76	Da	100%	Durham	0.02	Prime	N	N	N	N	Y	N	N
247.76	247.83	Db	100%	Durham	0.07	State	N	N	N	N	Y	N	N
247.83	247.93	Ac	100%	Appling	0.10	Prime	N	N	N	N	Y	N	N
247.93	247.95	Ce	100%	Cecil	0.02	Prime	N	N	N	N	Y	N	N
247.95	248.08	Ac	100%	Appling	0.13	Prime	N	N	N	N	Y	N	N
248.08	248.10	Lk	100%	Louisburg	0.02	N	N	N	Y	N	Y	N	Paralithic
248.10	248.14	Mn	100%	Mixed alluvial land	0.03	N	Y	N	N	N	N	N	N
248.14	248.15	Lm	100%	Louisburg	0.01	N	N	N	Y	N	Y	N	Paralithic
248.15	248.19	Mn	100%	Mixed alluvial land	0.04	N	Y	N	N	N	N	N	N
248.19	248.22	Ae	100%	Appling	0.04	State	N	N	Y	N	Y	N	N
248.22	248.27	Da	100%	Durham	0.05	Prime	N	N	N	N	Y	N	N
248.27	248.32	Ae	100%	Appling	0.05	State	N	N	Y	N	Y	N	N
248.32	248.36	Da	100%	Durham	0.04	Prime	N	N	N	N	Y	N	N
248.36	248.39	Mn	100%	Mixed alluvial land	0.03	N	Y	N	N	N	N	N	N
248.39	248.44	We	100%	Wilkes	0.05	N	N	N	Y	N	Y	N	Paralithic
248.44	248.57	Af	100%	Appling	0.13	State	N	N	Y	N	Y	N	N
248.57	248.61	Mn	100%	Mixed alluvial land	0.04	N	Y	N	N	N	N	N	N
248.61	248.64	Ae	100%	Appling	0.03	State	N	N	Y	N	Y	N	N
248.64	248.66	Ce	100%	Cecil	0.02	Prime	N	N	N	N	Y	N	N
248.66	248.69	Ae	100%	Appling	0.03	State	N	N	Y	N	Y	N	N
248.69	248.70	Wl	100%	Worsham	0.02	N	Y	Y	N	N	N	Y	N
248.70	248.75	Ae	100%	Appling	0.05	State	N	N	Y	N	Y	N	N
248.75	248.77	Ac	100%	Appling	0.02	Prime	N	N	N	N	Y	N	N
248.77	248.79	Ae	100%	Appling	0.03	State	N	N	Y	N	Y	N	N
248.79	248.83	Cp	100%	Colfax	0.03	N	N	N	N	N	N	N	Paralithic
248.83	248.85	Ac	100%	Appling	0.02	Prime	N	N	N	N	Y	N	N
248.85	248.90	Ee	25%	Helena	0.01	State	N	N	N	N	N	N	N
			38%	Enon	0.02	State	N	N	N	N	N	N	N
				Vance	0.02	State	N	N	N	N	N	N	N
248.90	248.93	Eg	25%	Helena	0.01	State	N	N	Y	N	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
			38%	Enon	0.01	State	N	N	Y	N	Y	N	N
				Vance	0.01	State	N	N	Y	N	Y	N	N
248.93	248.94	Mn	100%	Mixed alluvial land	0.01	N	Y	N	N	N	N	N	N
248.94	248.98	Sb	100%	Starr	0.04	State	N	N	N	N	N	N	N
248.98	249.03	Ea	100%	Enon	0.05	State	N	N	N	N	N	N	N
Dinwiddie County, VA													
249.03	249.03	Ea	100%	Enon	<0.01	State	N	N	N	N	N	N	N
249.03	249.13	2C	100%	Appling	0.10	State	N	N	Y	N	Y	N	N
249.13	249.19	4C	100%	Cecil	0.06	State	N	N	Y	N	Y	N	N
249.19	249.28	2B	100%	Appling	0.09	Prime	N	N	N	N	Y	N	N
249.28	249.32	4C	100%	Cecil	0.04	State	N	N	Y	N	Y	N	N
249.32	249.47	2B	100%	Appling	0.15	Prime	N	N	N	N	Y	N	N
249.47	249.48	2C	100%	Appling	0.01	State	N	N	Y	N	Y	N	N
249.48	249.53	2B	100%	Appling	0.05	Prime	N	N	N	N	Y	N	N
249.53	249.71	2C	100%	Appling	0.19	State	N	N	Y	N	Y	N	N
249.71	249.84	2B	100%	Appling	0.12	Prime	N	N	N	N	Y	N	N
249.84	249.97	2C	100%	Appling	0.13	State	N	N	Y	N	Y	N	N
249.97	250.17	2B	100%	Appling	0.21	Prime	N	N	N	N	Y	N	N
250.17	250.21	2C	100%	Appling	0.04	State	N	N	Y	N	Y	N	N
250.21	250.25	909A	40%	Wehadkee	0.01	N	Y	Y	N	N	N	N	N
			60%	Chewacla	0.02	N	N	Y	N	N	N	N	N
250.25	250.41	2C	100%	Appling	0.17	State	N	N	Y	N	Y	N	N
250.41	250.43	2B	100%	Appling	0.02	Prime	N	N	N	N	Y	N	N
250.43	250.51	2C	100%	Appling	0.08	State	N	N	Y	N	Y	N	N
250.51	250.54	2B	100%	Appling	0.04	Prime	N	N	N	N	Y	N	N
250.54	250.76	2C	100%	Appling	0.22	State	N	N	Y	N	Y	N	N
250.76	251.23	2B	100%	Appling	0.47	Prime	N	N	N	N	Y	N	N
251.23	251.27	2C	100%	Appling	0.04	State	N	N	Y	N	Y	N	N
251.27	251.49	2B	100%	Appling	0.22	Prime	N	N	N	N	Y	N	N
251.49	251.71	2C	100%	Appling	0.22	State	N	N	Y	N	Y	N	N
251.71	251.75	2B	100%	Appling	0.04	Prime	N	N	N	N	Y	N	N
251.75	251.81	2C	100%	Appling	0.06	State	N	N	Y	N	Y	N	N
251.81	251.86	2B	100%	Appling	0.05	Prime	N	N	N	N	Y	N	N
251.86	251.90	2C	100%	Appling	0.05	State	N	N	Y	N	Y	N	N
251.90	252.00	2B	100%	Appling	0.10	Prime	N	N	N	N	Y	N	N
252.00	252.08	2C	100%	Appling	0.08	State	N	N	Y	N	Y	N	N
252.08	252.11	2B	100%	Appling	0.03	Prime	N	N	N	N	Y	N	N
252.11	252.15	2C	100%	Appling	0.03	State	N	N	Y	N	Y	N	N
252.15	252.17	2B	100%	Appling	0.03	Prime	N	N	N	N	Y	N	N
252.17	252.21	2C	100%	Appling	0.03	State	N	N	Y	N	Y	N	N
252.21	252.28	2B	100%	Appling	0.07	Prime	N	N	N	N	Y	N	N
252.28	252.30	2C	100%	Appling	0.02	State	N	N	Y	N	Y	N	N
252.30	252.32	2B	100%	Appling	0.02	Prime	N	N	N	N	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
252.32	252.36	2C	100%	Appling	0.04	State	N	N	Y	N	Y	N	N
252.36	252.39	2B	100%	Appling	0.03	Prime	N	N	N	N	Y	N	N
252.39	252.44	2C	100%	Appling	0.05	State	N	N	Y	N	Y	N	N
252.44	252.52	2B	100%	Appling	0.08	Prime	N	N	N	N	Y	N	N
252.52	252.61	2C	100%	Appling	0.10	State	N	N	Y	N	Y	N	N
252.61	252.65	2B	100%	Appling	0.04	Prime	N	N	N	N	Y	N	N
252.65	252.70	2C	100%	Appling	0.05	State	N	N	Y	N	Y	N	N
252.70	252.74	2B	100%	Appling	0.03	Prime	N	N	N	N	Y	N	N
252.74	252.84	2C	100%	Appling	0.11	State	N	N	Y	N	Y	N	N
252.84	252.94	2B	100%	Appling	0.10	Prime	N	N	N	N	Y	N	N
252.94	253.01	2C	100%	Appling	0.07	State	N	N	Y	N	Y	N	N
253.01	253.04	2B	100%	Appling	0.03	Prime	N	N	N	N	Y	N	N
253.04	253.15	2C	100%	Appling	0.11	State	N	N	Y	N	Y	N	N
253.15	253.21	4B	100%	Cecil	0.06	Prime	N	N	N	N	Y	N	N
253.21	253.50	2C	100%	Appling	0.30	State	N	N	Y	N	Y	N	N
253.50	253.51	4B	100%	Cecil	0.01	Prime	N	N	N	N	Y	N	N
253.51	253.56	9B	100%	Helena	0.05	Prime	N	N	N	N	N	N	N
253.56	253.80	16A	100%	Roanoke	0.25	N	Y	Y	N	N	N	N	N
253.80	253.82	2C	100%	Appling	0.02	State	N	N	Y	N	Y	N	N
253.82	253.88	16A	100%	Roanoke	0.05	N	Y	Y	N	N	N	N	N
253.88	253.91	2C	100%	Appling	0.04	State	N	N	Y	N	Y	N	N
253.91	253.97	2B	100%	Appling	0.06	Prime	N	N	N	N	Y	N	N
253.97	254.08	2C	100%	Appling	0.12	State	N	N	Y	N	Y	N	N
254.08	254.25	2B	100%	Appling	0.18	Prime	N	N	N	N	Y	N	N
254.25	254.55	2C	100%	Appling	0.32	State	N	N	Y	N	Y	N	N
254.55	254.76	2B	100%	Appling	0.23	Prime	N	N	N	N	Y	N	N
254.76	254.82	2C	100%	Appling	0.07	State	N	N	Y	N	Y	N	N
254.82	255.00	16A	100%	Roanoke	0.20	N	Y	Y	N	N	N	N	N
255.00	255.04	2C	100%	Appling	0.04	State	N	N	Y	N	Y	N	N
255.04	255.29	2B	100%	Appling	0.26	Prime	N	N	N	N	Y	N	N
255.29	255.32	2C	100%	Appling	0.03	State	N	N	Y	N	Y	N	N
255.32	255.35	2B	100%	Appling	0.04	Prime	N	N	N	N	Y	N	N
255.35	255.48	2C	100%	Appling	0.13	State	N	N	Y	N	Y	N	N
255.48	255.54	2B	100%	Appling	0.06	Prime	N	N	N	N	Y	N	N
255.54	255.63	2C	100%	Appling	0.08	State	N	N	Y	N	Y	N	N
255.63	255.93	2B	100%	Appling	0.31	Prime	N	N	N	N	Y	N	N
255.93	255.96	2C	100%	Appling	0.03	State	N	N	Y	N	Y	N	N
255.96	256.00	4B	100%	Cecil	0.04	Prime	N	N	N	N	Y	N	N
256.00	256.02	2C	100%	Appling	0.02	State	N	N	Y	N	Y	N	N
256.02	256.07	4B	100%	Cecil	0.05	Prime	N	N	N	N	Y	N	N
256.07	256.16	2B	100%	Appling	0.09	Prime	N	N	N	N	Y	N	N
256.16	256.24	2C	100%	Appling	0.08	State	N	N	Y	N	Y	N	N
256.24	256.47	4C	100%	Cecil	0.23	State	N	N	Y	N	Y	N	N
256.47	256.99	2C	100%	Appling	0.50	State	N	N	Y	N	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
256.99	257.18	2B	100%	Appling	0.18	Prime	N	N	N	N	Y	N	N
257.18	257.27	4B	100%	Cecil	0.09	Prime	N	N	N	N	Y	N	N
257.27	257.28	4C	100%	Cecil	0.01	State	N	N	Y	N	Y	N	N
257.28	257.45	4B	100%	Cecil	0.16	Prime	N	N	N	N	Y	N	N
257.45	257.82	2B	100%	Appling	0.36	Prime	N	N	N	N	Y	N	N
257.82	258.00	4B	100%	Cecil	0.17	Prime	N	N	N	N	Y	N	N
258.00	258.02	4C	100%	Cecil	0.03	State	N	N	Y	N	Y	N	N
258.02	258.95	4B	100%	Cecil	0.89	Prime	N	N	N	N	Y	N	N
258.95	258.96	4C	100%	Cecil	0.01	State	N	N	Y	N	Y	N	N
258.96	259.09	4B	100%	Cecil	0.12	Prime	N	N	N	N	Y	N	N
259.09	259.25	4C	100%	Cecil	0.16	State	N	N	Y	N	Y	N	N
259.25	259.31	16A	100%	Roanoke	0.06	N	Y	Y	N	N	N	N	N
259.31	259.52	4C	100%	Cecil	0.21	State	N	N	Y	N	Y	N	N
259.52	259.64	4B	100%	Cecil	0.12	Prime	N	N	N	N	Y	N	N
259.64	259.80	2B	100%	Appling	0.16	Prime	N	N	N	N	Y	N	N
259.80	259.89	4C	100%	Cecil	0.09	State	N	N	Y	N	Y	N	N
259.89	260.05	2B	100%	Appling	0.17	Prime	N	N	N	N	Y	N	N
260.05	260.18	4B	100%	Cecil	0.13	Prime	N	N	N	N	Y	N	N
260.18	260.23	2B	100%	Appling	0.05	Prime	N	N	N	N	Y	N	N
260.23	260.25	4B	100%	Cecil	0.02	Prime	N	N	N	N	Y	N	N
260.25	260.39	2C	100%	Appling	0.14	State	N	N	Y	N	Y	N	N
260.39	260.43	4C	100%	Cecil	0.04	State	N	N	Y	N	Y	N	N
260.43	260.53	2C	100%	Appling	0.11	State	N	N	Y	N	Y	N	N
260.53	260.70	16A	100%	Roanoke	0.18	N	Y	Y	N	N	N	N	N
Brunswick County, VA													
260.70	260.71	16A	100%	Roanoke	0.01	N	Y	Y	N	N	N	N	N
260.71	260.82	9A	40%	Wehadkee	0.04	N	Y	Y	N	N	N	N	N
			60%	Chewacla	0.07	N	N	Y	N	N	N	N	N
260.82	260.85	24C	40%	Ashlar	0.01	State	N	N	Y	N	Y	N	Lithic
			60%	Rion	0.02	State	N	N	Y	N	Y	N	N
260.85	261.24	23B	100%	Rion	0.39	Prime	N	N	N	N	Y	N	N
261.24	261.37	1C	100%	Appling	0.13	State	N	N	Y	N	Y	N	N
261.37	261.46	23B	100%	Rion	0.08	Prime	N	N	N	N	Y	N	N
261.46	261.49	24C	40%	Ashlar	0.01	State	N	N	Y	N	Y	N	Lithic
			60%	Rion	0.02	State	N	N	Y	N	Y	N	N
261.49	261.50	23B	100%	Rion	<0.01	Prime	N	N	N	N	Y	N	N
261.50	261.62	24C	40%	Ashlar	0.05	State	N	N	Y	N	Y	N	Lithic
			60%	Rion	0.08	State	N	N	Y	N	Y	N	N
261.62	261.78	2B	37%	Mattaponi	0.06	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.10	Prime	N	N	N	N	Y	N	N
261.78	261.82	16B	100%	Helena	0.05	Prime	N	N	N	N	Y	N	N
261.82	262.11	2B	37%	Mattaponi	0.11	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.18	Prime	N	N	N	N	Y	N	N
262.11	262.19	16B	100%	Helena	0.08	Prime	N	N	N	N	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
262.19	262.37	2B	37%	Mattaponi	0.07	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.11	Prime	N	N	N	N	Y	N	N
262.37	262.53	24C	40%	Ashlar	0.06	State	N	N	Y	N	Y	N	Lithic
			60%	Rion	0.10	State	N	N	Y	N	Y	N	N
262.53	262.58	30A	100%	Wehadkee	0.05	N	Y	Y	N	N	N	N	N
262.58	262.92	16C	100%	Helena	0.35	State	N	N	Y	N	Y	N	N
262.92	262.96	30A	100%	Wehadkee	0.04	N	Y	Y	N	N	N	N	N
262.96	263.16	1C	100%	Appling	0.21	State	N	N	Y	N	Y	N	N
263.16	263.21	5B	100%	Cecil	0.04	Prime	N	N	N	N	Y	N	N
263.21	263.22	1C	100%	Appling	0.01	State	N	N	Y	N	Y	N	N
263.22	263.25	5B	100%	Cecil	0.03	Prime	N	N	N	N	Y	N	N
263.25	263.43	1C	100%	Appling	0.18	State	N	N	Y	N	Y	N	N
263.43	263.58	5B	100%	Cecil	0.15	Prime	N	N	N	N	Y	N	N
263.58	263.60	2B	37%	Mattaponi	0.01	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.02	Prime	N	N	N	N	Y	N	N
263.60	263.67	16B	100%	Helena	0.07	Prime	N	N	N	N	Y	N	N
263.67	263.79	5B	100%	Cecil	0.12	Prime	N	N	N	N	Y	N	N
263.79	263.99	16B	100%	Helena	0.21	Prime	N	N	N	N	Y	N	N
263.99	264.12	2B	37%	Mattaponi	0.05	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.08	Prime	N	N	N	N	Y	N	N
264.12	264.13	26B	100%	Santuc	0.02	Prime	N	N	N	N	Y	N	N
264.13	264.18	2B	37%	Mattaponi	0.02	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.03	Prime	N	N	N	N	Y	N	N
264.18	264.22	26B	100%	Santuc	0.04	Prime	N	N	N	N	Y	N	N
264.22	264.37	2B	37%	Mattaponi	0.06	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.10	Prime	N	N	N	N	Y	N	N
264.37	264.41	26B	100%	Santuc	0.04	Prime	N	N	N	N	Y	N	N
264.41	264.45	2B	37%	Mattaponi	0.02	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.03	Prime	N	N	N	N	Y	N	N
264.45	264.56	24C	40%	Ashlar	0.04	State	N	N	Y	N	Y	N	Lithic
			60%	Rion	0.07	State	N	N	Y	N	Y	N	N
264.56	264.59	30A	100%	Wehadkee	0.03	N	Y	Y	N	N	N	N	N
264.59	264.78	24C	40%	Ashlar	0.08	State	N	N	Y	N	Y	N	Lithic
			60%	Rion	0.11	State	N	N	Y	N	Y	N	N
264.78	264.84	2B	37%	Mattaponi	0.02	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.04	Prime	N	N	N	N	Y	N	N
264.84	264.94	24C	40%	Ashlar	0.04	State	N	N	Y	N	Y	N	Lithic
			60%	Rion	0.06	State	N	N	Y	N	Y	N	N
264.94	265.06	2B	37%	Mattaponi	0.05	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.08	Prime	N	N	N	N	Y	N	N
265.06	265.09	20C3	100%	Madison	0.02	N	N	N	Y	N	Y	N	N
265.09	265.11	20D3	100%	Madison	0.03	N	N	N	Y	N	Y	N	N
265.11	265.19	20C3	100%	Madison	0.08	N	N	N	Y	N	Y	N	N
265.19	265.22	20D3	100%	Madison	0.03	N	N	N	Y	N	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
265.22	265.24	20C3	100%	Madison	0.02	N	N	N	Y	N	Y	N	N
265.24	265.30	5B	100%	Cecil	0.06	Prime	N	N	N	N	Y	N	N
265.30	265.30	24C	40%	Ashlar	<0.01	State	N	N	Y	N	Y	N	Lithic
			60%	Rion	<0.01	State	N	N	Y	N	Y	N	N
265.30	265.33	16B	100%	Helena	0.02	Prime	N	N	N	N	Y	N	N
265.33	265.37	5B	100%	Cecil	0.04	Prime	N	N	N	N	Y	N	N
265.37	265.42	24C	40%	Ashlar	0.02	State	N	N	Y	N	Y	N	Lithic
			60%	Rion	0.03	State	N	N	Y	N	Y	N	N
265.42	265.48	29B	100%	Wedowee	0.05	Prime	N	N	N	N	Y	N	N
265.48	265.55	22D	100%	Pacolet	0.07	State	N	N	Y	N	Y	N	N
265.55	265.62	24C	40%	Ashlar	0.03	State	N	N	Y	N	Y	N	Lithic
			60%	Rion	0.04	State	N	N	Y	N	Y	N	N
265.62	265.65	30A	100%	Wehadkee	0.03	N	Y	Y	N	N	N	N	N
265.65	265.71	6C3	100%	Cecil	0.07	N	N	N	Y	N	Y	N	N
265.71	265.75	6B3	100%	Cecil	0.04	N	N	N	N	N	N	N	N
265.75	265.87	6C3	100%	Cecil	0.12	N	N	N	Y	N	Y	N	N
265.87	266.05	6B3	100%	Cecil	0.18	N	N	N	N	N	N	N	N
266.05	266.19	6C3	100%	Cecil	0.14	N	N	N	Y	N	Y	N	N
266.19	266.22	6B3	100%	Cecil	0.03	N	N	N	N	N	N	N	N
266.22	266.26	24C	40%	Ashlar	0.02	State	N	N	Y	N	Y	N	Lithic
			60%	Rion	0.03	State	N	N	Y	N	Y	N	N
266.26	266.29	3D	15%	Rock outcrop	<0.01	N	N	N	Y	N	N	N	Lithic
			85%	Ashlar	0.02	N	N	N	Y	N	Y	N	Lithic
266.29	266.32	24C	40%	Ashlar	0.01	State	N	N	Y	N	Y	N	Lithic
			60%	Rion	0.02	State	N	N	Y	N	Y	N	N
266.32	266.43	23B	100%	Rion	0.11	Prime	N	N	N	N	Y	N	N
266.43	266.46	2B	37%	Mattaponi	0.01	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.02	Prime	N	N	N	N	Y	N	N
266.46	266.50	3E	15%	Rock outcrop	0.01	N	N	N	Y	N	N	N	Lithic
			85%	Ashlar	0.03	N	N	N	Y	N	Y	N	Lithic
266.50	266.58	24C	40%	Ashlar	0.03	State	N	N	Y	N	Y	N	Lithic
			60%	Rion	0.05	State	N	N	Y	N	Y	N	N
266.58	266.71	2B	37%	Mattaponi	0.05	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.08	Prime	N	N	N	N	Y	N	N
266.71	266.80	26B	100%	Santuc	0.09	Prime	N	N	N	N	Y	N	N
266.80	266.87	23B	100%	Rion	0.07	Prime	N	N	N	N	Y	N	N
266.87	266.88	24C	40%	Ashlar	<0.01	State	N	N	Y	N	Y	N	Lithic
			60%	Rion	0.01	State	N	N	Y	N	Y	N	N
266.88	266.97	3E	15%	Rock outcrop	0.01	N	N	N	Y	N	N	N	Lithic
			85%	Ashlar	0.08	N	N	N	Y	N	Y	N	Lithic
266.97	267.03	24C	40%	Ashlar	0.02	State	N	N	Y	N	Y	N	Lithic
			60%	Rion	0.03	State	N	N	Y	N	Y	N	N
267.03	267.18	2B	37%	Mattaponi	0.05	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.09	Prime	N	N	N	N	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
267.18	267.24	24C	40%	Ashlar	0.03	State	N	N	Y	N	Y	N	Lithic
			60%	Rion	0.04	State	N	N	Y	N	Y	N	N
267.24	267.31	3D	15%	Rock outcrop	0.01	N	N	N	Y	N	N	N	Lithic
			85%	Ashlar	0.05	N	N	N	Y	N	Y	N	Lithic
267.31	267.33	3E	15%	Rock outcrop	<0.01	N	N	N	Y	N	N	N	Lithic
			85%	Ashlar	0.02	N	N	N	Y	N	Y	N	Lithic
267.33	267.48	30A	100%	Wehadkee	0.15	N	Y	Y	N	N	N	N	N
267.48	267.56	22D	100%	Pacolet	0.07	State	N	N	Y	N	Y	N	N
267.56	267.57	24C	40%	Ashlar	<0.01	State	N	N	Y	N	Y	N	Lithic
			60%	Rion	0.01	State	N	N	Y	N	Y	N	N
267.57	267.66	2B	37%	Mattaponi	0.03	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.06	Prime	N	N	N	N	Y	N	N
267.66	267.73	16B	100%	Helena	0.06	Prime	N	N	N	N	Y	N	N
267.73	267.85	24C	40%	Ashlar	0.05	State	N	N	Y	N	Y	N	Lithic
			60%	Rion	0.07	State	N	N	Y	N	Y	N	N
267.85	267.93	30A	100%	Wehadkee	0.08	N	Y	Y	N	N	N	N	N
267.93	267.98	22D	100%	Pacolet	0.05	State	N	N	Y	N	Y	N	N
267.98	268.03	24C	40%	Ashlar	0.02	State	N	N	Y	N	Y	N	Lithic
			60%	Rion	0.03	State	N	N	Y	N	Y	N	N
268.03	268.10	2B	37%	Mattaponi	0.03	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.05	Prime	N	N	N	N	Y	N	N
268.10	268.20	22D	100%	Pacolet	0.10	State	N	N	Y	N	Y	N	N
268.20	268.27	2B	37%	Mattaponi	0.02	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.04	Prime	N	N	N	N	Y	N	N
268.27	268.42	10B	100%	Emporia	0.16	Prime	N	N	N	N	Y	N	N
268.42	268.54	5B	100%	Cecil	0.12	Prime	N	N	N	N	Y	N	N
268.54	268.58	6C3	100%	Cecil	0.04	N	N	N	Y	N	Y	N	N
268.58	268.68	5B	100%	Cecil	0.10	Prime	N	N	N	N	Y	N	N
268.68	268.74	6C3	100%	Cecil	0.05	N	N	N	Y	N	Y	N	N
268.74	268.83	2B	37%	Mattaponi	0.04	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.06	Prime	N	N	N	N	Y	N	N
268.83	268.92	6C3	100%	Cecil	0.09	N	N	N	Y	N	Y	N	N
268.92	269.00	2B	37%	Mattaponi	0.03	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.05	Prime	N	N	N	N	Y	N	N
269.00	269.06	6C3	100%	Cecil	0.07	N	N	N	Y	N	Y	N	N
269.06	269.63	2B	37%	Mattaponi	0.22	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.37	Prime	N	N	N	N	Y	N	N
269.63	269.71	16B	100%	Helena	0.08	Prime	N	N	N	N	Y	N	N
269.71	270.01	2B	37%	Mattaponi	0.12	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.20	Prime	N	N	N	N	Y	N	N
270.01	270.06	16B	100%	Helena	0.05	Prime	N	N	N	N	Y	N	N
270.06	270.17	2B	37%	Mattaponi	0.04	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.07	Prime	N	N	N	N	Y	N	N
270.17	270.33	1C	100%	Appling	0.17	State	N	N	Y	N	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
270.33	270.53	5B	100%	Cecil	0.21	Prime	N	N	N	N	Y	N	N
270.53	270.56	9A	40%	Wehadkee	0.01	N	Y	Y	N	N	N	N	N
			60%	Chewacla	0.02	N	N	Y	N	N	N	N	N
270.56	271.40	2B	37%	Mattaponi	0.32	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.54	Prime	N	N	N	N	Y	N	N
271.40	271.45	16B	100%	Helena	0.05	Prime	N	N	N	N	Y	N	N
271.45	271.55	2B	37%	Mattaponi	0.04	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.06	Prime	N	N	N	N	Y	N	N
271.55	271.61	9A	40%	Wehadkee	0.03	N	Y	Y	N	N	N	N	N
			60%	Chewacla	0.04	N	N	Y	N	N	N	N	N
271.61	271.68	16B	100%	Helena	0.06	Prime	N	N	N	N	Y	N	N
271.68	271.73	5B	100%	Cecil	0.05	Prime	N	N	N	N	Y	N	N
271.73	271.81	5C	100%	Cecil	0.09	State	N	N	Y	N	Y	N	N
271.81	271.87	16B	100%	Helena	0.06	Prime	N	N	N	N	Y	N	N
271.87	272.02	9A	40%	Wehadkee	0.06	N	Y	Y	N	N	N	N	N
			60%	Chewacla	0.09	N	N	Y	N	N	N	N	N
272.02	272.12	5C	100%	Cecil	0.10	State	N	N	Y	N	Y	N	N
272.12	272.32	5B	100%	Cecil	0.20	Prime	N	N	N	N	Y	N	N
272.32	272.40	5C	100%	Cecil	0.09	State	N	N	Y	N	Y	N	N
272.40	272.46	5B	100%	Cecil	0.06	Prime	N	N	N	N	Y	N	N
272.46	272.55	29B	100%	Wedowee	0.09	Prime	N	N	N	N	Y	N	N
272.55	272.66	16B	100%	Helena	0.11	Prime	N	N	N	N	Y	N	N
272.66	272.86	5B	100%	Cecil	0.21	Prime	N	N	N	N	Y	N	N
272.86	272.93	16B	100%	Helena	0.06	Prime	N	N	N	N	Y	N	N
272.93	273.02	5B	100%	Cecil	0.09	Prime	N	N	N	N	Y	N	N
273.02	273.06	9A	40%	Wehadkee	0.02	N	Y	Y	N	N	N	N	N
			60%	Chewacla	0.03	N	N	Y	N	N	N	N	N
273.06	273.42	5B	100%	Cecil	0.36	Prime	N	N	N	N	Y	N	N
273.42	273.49	16B	100%	Helena	0.07	Prime	N	N	N	N	Y	N	N
273.49	273.68	5B	100%	Cecil	0.20	Prime	N	N	N	N	Y	N	N
273.68	273.77	16B	100%	Helena	0.09	Prime	N	N	N	N	Y	N	N
273.77	273.87	5B	100%	Cecil	0.10	Prime	N	N	N	N	Y	N	N
273.87	273.89	16B	100%	Helena	0.02	Prime	N	N	N	N	Y	N	N
273.89	274.00	5B	100%	Cecil	0.11	Prime	N	N	N	N	Y	N	N
274.00	274.03	16B	100%	Helena	0.04	Prime	N	N	N	N	Y	N	N
274.03	274.13	5B	100%	Cecil	0.10	Prime	N	N	N	N	Y	N	N
274.13	274.30	16B	100%	Helena	0.17	Prime	N	N	N	N	Y	N	N
274.30	274.36	9A	40%	Wehadkee	0.02	N	Y	Y	N	N	N	N	N
			60%	Chewacla	0.03	N	N	Y	N	N	N	N	N
274.36	274.58	2B	37%	Mattaponi	0.09	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.15	Prime	N	N	N	N	Y	N	N
274.58	274.80	16B	100%	Helena	0.21	Prime	N	N	N	N	Y	N	N
274.80	274.87	9A	40%	Wehadkee	0.03	N	Y	Y	N	N	N	N	N
			60%	Chewacla	0.04	N	N	Y	N	N	N	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
274.87	274.90	16B	100%	Helena	0.04	Prime	N	N	N	N	Y	N	N
274.90	274.98	9A	40%	Wehadkee	0.03	N	Y	Y	N	N	N	N	N
			60%	Chewacla	0.05	N	N	Y	N	N	N	N	N
274.98	275.06	16B	100%	Helena	0.08	Prime	N	N	N	N	Y	N	N
275.06	275.10	10B	100%	Emporia	0.04	Prime	N	N	N	N	Y	N	N
275.10	275.17	16B	100%	Helena	0.07	Prime	N	N	N	N	Y	N	N
275.17	275.22	10B	100%	Emporia	0.05	Prime	N	N	N	N	Y	N	N
275.22	275.29	16B	100%	Helena	0.07	Prime	N	N	N	N	Y	N	N
275.29	275.33	10B	100%	Emporia	0.04	Prime	N	N	N	N	Y	N	N
275.33	275.38	16B	100%	Helena	0.05	Prime	N	N	N	N	Y	N	N
275.38	275.46	10B	100%	Emporia	0.08	Prime	N	N	N	N	Y	N	N
275.46	275.60	16B	100%	Helena	0.14	Prime	N	N	N	N	Y	N	N
275.60	275.71	10B	100%	Emporia	0.11	Prime	N	N	N	N	Y	N	N
275.71	276.10	16B	100%	Helena	0.40	Prime	N	N	N	N	Y	N	N
276.10	276.20	9A	40%	Wehadkee	0.04	N	Y	Y	N	N	N	N	N
			60%	Chewacla	0.07	N	N	Y	N	N	N	N	N
276.20	276.35	16B	100%	Helena	0.15	Prime	N	N	N	N	Y	N	N
276.35	276.57	2B	37%	Mattaponi	0.08	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.14	Prime	N	N	N	N	Y	N	N
276.57	276.61	16B	100%	Helena	0.04	Prime	N	N	N	N	Y	N	N
276.61	276.66	22C	100%	Pacolet	0.05	State	N	N	Y	N	Y	N	N
276.66	276.68	9A	40%	Wehadkee	0.01	N	Y	Y	N	N	N	N	N
			60%	Chewacla	0.01	N	N	Y	N	N	N	N	N
276.68	276.72	22C	100%	Pacolet	0.04	State	N	N	Y	N	Y	N	N
276.72	276.78	5B	100%	Cecil	0.07	Prime	N	N	N	N	Y	N	N
276.78	276.85	22C	100%	Pacolet	0.07	State	N	N	Y	N	Y	N	N
276.85	276.93	2B	37%	Mattaponi	0.03	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.06	Prime	N	N	N	N	Y	N	N
276.93	277.03	22C	100%	Pacolet	0.10	State	N	N	Y	N	Y	N	N
277.03	277.40	2B	37%	Mattaponi	0.14	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.24	Prime	N	N	N	N	Y	N	N
277.40	277.54	22C	100%	Pacolet	0.14	State	N	N	Y	N	Y	N	N
277.54	277.61	9A	40%	Wehadkee	0.03	N	Y	Y	N	N	N	N	N
			60%	Chewacla	0.04	N	N	Y	N	N	N	N	N
277.61	277.74	5C	100%	Cecil	0.13	State	N	N	Y	N	Y	N	N
277.74	277.77	13B	100%	Georgeville	0.03	Prime	N	N	N	N	N	N	N
277.77	277.78	5B	100%	Cecil	0.01	Prime	N	N	N	N	Y	N	N
277.78	277.82	13B	100%	Georgeville	0.04	Prime	N	N	N	N	N	N	N
277.82	277.87	5C	100%	Cecil	0.04	State	N	N	Y	N	Y	N	N
277.87	277.90	9A	40%	Wehadkee	0.01	N	Y	Y	N	N	N	N	N
			60%	Chewacla	0.02	N	N	Y	N	N	N	N	N
277.90	277.95	6C3	100%	Cecil	0.05	N	N	N	Y	N	Y	N	N
277.95	278.03	5B	100%	Cecil	0.08	Prime	N	N	N	N	Y	N	N
278.03	278.11	6C3	100%	Cecil	0.08	N	N	N	Y	N	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
278.11	278.21	5B	100%	Cecil	0.10	Prime	N	N	N	N	Y	N	N
278.21	278.27	6C3	100%	Cecil	0.05	N	N	N	Y	N	Y	N	N
278.27	278.32	16B	100%	Helena	0.06	Prime	N	N	N	N	Y	N	N
278.32	278.39	29C	100%	Wedowee	0.06	State	N	N	Y	N	Y	N	N
278.39	278.43	5B	100%	Cecil	0.05	Prime	N	N	N	N	Y	N	N
278.43	278.47	29C	100%	Wedowee	0.04	State	N	N	Y	N	Y	N	N
278.47	278.53	5B	100%	Cecil	0.06	Prime	N	N	N	N	Y	N	N
278.53	278.57	29C	100%	Wedowee	0.04	State	N	N	Y	N	Y	N	N
278.57	278.62	9A	40%	Wehadkee	0.02	N	Y	Y	N	N	N	N	N
			60%	Chewacla	0.03	N	N	Y	N	N	N	N	N
278.62	278.66	29C	100%	Wedowee	0.04	State	N	N	Y	N	Y	N	N
278.66	278.74	5B	100%	Cecil	0.07	Prime	N	N	N	N	Y	N	N
278.74	278.85	29C	100%	Wedowee	0.11	State	N	N	Y	N	Y	N	N
278.85	278.94	9A	40%	Wehadkee	0.03	N	Y	Y	N	N	N	N	N
			60%	Chewacla	0.05	N	N	Y	N	N	N	N	N
278.94	279.01	29C	100%	Wedowee	0.07	State	N	N	Y	N	Y	N	N
279.01	279.04	16B	100%	Helena	0.03	Prime	N	N	N	N	Y	N	N
279.04	279.11	2B	37%	Mattaponi	0.03	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.05	Prime	N	N	N	N	Y	N	N
279.11	279.29	16B	100%	Helena	0.19	Prime	N	N	N	N	Y	N	N
279.29	279.34	9A	40%	Wehadkee	0.02	N	Y	Y	N	N	N	N	N
			60%	Chewacla	0.03	N	N	Y	N	N	N	N	N
279.34	279.38	29C	100%	Wedowee	0.03	State	N	N	Y	N	Y	N	N
279.38	279.42	2B	37%	Mattaponi	0.02	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.03	Prime	N	N	N	N	Y	N	N
279.42	279.50	29C	100%	Wedowee	0.08	State	N	N	Y	N	Y	N	N
279.50	279.61	2B	37%	Mattaponi	0.04	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.08	Prime	N	N	N	N	Y	N	N
279.61	279.72	29C	100%	Wedowee	0.11	State	N	N	Y	N	Y	N	N
279.72	279.75	9A	40%	Wehadkee	0.01	N	Y	Y	N	N	N	N	N
			60%	Chewacla	0.02	N	N	Y	N	N	N	N	N
279.75	279.91	29C	100%	Wedowee	0.17	State	N	N	Y	N	Y	N	N
279.91	280.01	2B	37%	Mattaponi	0.03	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.06	Prime	N	N	N	N	Y	N	N
280.01	280.04	29C	100%	Wedowee	0.04	State	N	N	Y	N	Y	N	N
280.04	280.08	9A	40%	Wehadkee	0.01	N	Y	Y	N	N	N	N	N
			60%	Chewacla	0.02	N	N	Y	N	N	N	N	N
280.08	280.20	16B	100%	Helena	0.13	Prime	N	N	N	N	Y	N	N
280.20	280.24	9A	40%	Wehadkee	0.02	N	Y	Y	N	N	N	N	N
			60%	Chewacla	0.03	N	N	Y	N	N	N	N	N
280.24	280.30	16B	100%	Helena	0.06	Prime	N	N	N	N	Y	N	N
280.30	280.40	2B	37%	Mattaponi	0.04	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.07	Prime	N	N	N	N	Y	N	N
280.40	280.50	16B	100%	Helena	0.10	Prime	N	N	N	N	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
280.50	280.55	2B	37%	Mattaponi	0.02	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.03	Prime	N	N	N	N	Y	N	N
280.55	280.68	16B	100%	Helena	0.13	Prime	N	N	N	N	Y	N	N
280.68	280.78	2B	37%	Mattaponi	0.04	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.06	Prime	N	N	N	N	Y	N	N
280.78	280.84	16B	100%	Helena	0.06	Prime	N	N	N	N	Y	N	N
280.84	280.90	2B	37%	Mattaponi	0.02	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.04	Prime	N	N	N	N	Y	N	N
280.90	280.94	16B	100%	Helena	0.04	Prime	N	N	N	N	Y	N	N
280.94	281.08	2B	37%	Mattaponi	0.05	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.09	Prime	N	N	N	N	Y	N	N
281.08	281.22	10B	100%	Emporia	0.14	Prime	N	N	N	N	Y	N	N
281.22	281.30	26B	100%	Santuc	0.08	Prime	N	N	N	N	Y	N	N
281.30	281.86	2B	37%	Mattaponi	0.21	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.35	Prime	N	N	N	N	Y	N	N
281.86	281.98	16B	100%	Helena	0.12	Prime	N	N	N	N	Y	N	N
281.98	282.12	2B	37%	Mattaponi	0.06	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.10	Prime	N	N	N	N	Y	N	N
282.12	282.17	9A	40%	Wehadkee	0.02	N	Y	Y	N	N	N	N	N
			60%	Chewacla	0.03	N	N	Y	N	N	N	N	N
282.17	282.68	2B	37%	Mattaponi	0.19	Prime	N	N	N	N	Y	N	N
			63%	Appling	0.33	Prime	N	N	N	N	Y	N	N
282.68	283.03	16B	100%	Helena	0.35	Prime	N	N	N	N	Y	N	N
Greensville County, VA													
283.03	283.03	16B	100%	Helena	<0.01	Prime	N	N	N	N	Y	N	N
283.03	283.05	17C	44%	Mattaponi	0.01	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.01	State	N	N	Y	N	Y	N	N
283.05	283.19	31A	100%	Roanoke	0.14	N	Y	Y	N	N	N	N	N
283.19	283.23	21B	100%	Iredell	0.04	State	N	N	N	N	N	N	N
283.23	283.25	20B	100%	Helena	0.03	Prime	N	N	N	N	Y	N	N
283.25	283.32	21B	100%	Iredell	0.07	State	N	N	N	N	N	N	N
283.32	283.38	31A	100%	Roanoke	0.06	N	Y	Y	N	N	N	N	N
283.38	283.46	17C	44%	Mattaponi	0.03	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.04	State	N	N	Y	N	Y	N	N
283.46	283.48	17B	44%	Mattaponi	0.01	Prime	N	N	N	N	Y	N	N
			56%	Fluvanna	0.01	Prime	N	N	N	N	N	N	N
283.48	283.51	17C	44%	Mattaponi	0.01	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.02	State	N	N	Y	N	Y	N	N
283.51	283.60	21B	100%	Iredell	0.10	State	N	N	N	N	N	N	N
283.60	283.67	1B	100%	Abell	0.07	Prime	N	N	N	N	N	N	N
283.67	283.71	21B	100%	Iredell	0.03	State	N	N	N	N	N	N	N
283.71	283.72	1B	100%	Abell	0.02	Prime	N	N	N	N	N	N	N
283.72	283.75	20B	100%	Helena	0.03	Prime	N	N	N	N	Y	N	N
283.75	283.79	10B3	100%	Craven	0.03	N	N	N	Y	N	N	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
283.79	283.80	25B	100%	Mattaponi	0.01	Prime	N	N	N	N	Y	N	N
283.80	283.82	10B3	100%	Craven	0.02	N	N	N	Y	N	N	N	N
283.82	283.93	20B	100%	Helena	0.11	Prime	N	N	N	N	Y	N	N
283.93	284.04	33A	100%	Slagle	0.11	Prime	N	N	N	N	N	N	N
284.04	284.05	10B3	100%	Craven	0.01	N	N	N	Y	N	N	N	N
284.05	284.13	31A	100%	Roanoke	0.08	N	Y	Y	N	N	N	N	N
284.13	284.18	10C3	100%	Craven	0.05	N	N	N	Y	N	Y	N	N
284.18	284.30	31A	100%	Roanoke	0.12	N	Y	Y	N	N	N	N	N
284.30	284.40	33A	100%	Slagle	0.10	Prime	N	N	N	N	N	N	N
284.40	284.47	25B	100%	Mattaponi	0.08	Prime	N	N	N	N	Y	N	N
284.47	284.50	33A	100%	Slagle	0.03	Prime	N	N	N	N	N	N	N
284.50	284.77	40A	100%	Woodington	0.27	N	Y	N	N	N	N	N	N
284.77	284.79	33A	100%	Slagle	0.02	Prime	N	N	N	N	N	N	N
284.79	284.85	12B	100%	Emporia	0.05	Prime	N	N	N	Y	Y	N	N
284.85	284.86	40A	100%	Woodington	0.02	N	Y	N	N	N	N	N	N
284.86	284.90	15C3	100%	Fluvanna	0.03	N	N	N	Y	N	Y	N	N
284.90	284.94	14B	100%	Fluvanna	0.04	Prime	N	N	N	N	N	N	N
284.94	284.96	15C3	100%	Fluvanna	0.02	N	N	N	Y	N	Y	N	N
284.96	284.98	14B	100%	Fluvanna	0.03	Prime	N	N	N	N	N	N	N
284.98	285.01	15C3	100%	Fluvanna	0.02	N	N	N	Y	N	Y	N	N
285.01	285.05	31A	100%	Roanoke	0.04	N	Y	Y	N	N	N	N	N
285.05	285.16	17C	44%	Mattaponi	0.05	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.06	State	N	N	Y	N	Y	N	N
285.16	285.32	25B	100%	Mattaponi	0.16	Prime	N	N	N	N	Y	N	N
285.32	285.39	17C	44%	Mattaponi	0.03	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.04	State	N	N	Y	N	Y	N	N
285.39	285.48	25B	100%	Mattaponi	0.09	Prime	N	N	N	N	Y	N	N
285.48	285.53	17C	44%	Mattaponi	0.02	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.03	State	N	N	Y	N	Y	N	N
285.53	285.57	25B	100%	Mattaponi	0.03	Prime	N	N	N	N	Y	N	N
285.57	285.61	17C	44%	Mattaponi	0.02	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.02	State	N	N	Y	N	Y	N	N
285.61	285.64	25B	100%	Mattaponi	0.04	Prime	N	N	N	N	Y	N	N
285.64	285.68	17C	44%	Mattaponi	0.02	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.02	State	N	N	Y	N	Y	N	N
285.68	285.72	16C3	40%	Goldston	0.01	N	N	N	Y	N	Y	Y	Lithic
			60%	Fluvanna	0.02	N	N	N	Y	N	Y	N	N
285.72	285.79	17B	44%	Mattaponi	0.03	Prime	N	N	N	N	Y	N	N
			56%	Fluvanna	0.04	Prime	N	N	N	N	N	N	N
285.79	285.86	17C	44%	Mattaponi	0.03	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.04	State	N	N	Y	N	Y	N	N
285.86	285.89	32A	100%	Roanoke	0.03	N	Y	Y	N	N	N	N	N
285.89	285.96	17C	44%	Mattaponi	0.03	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.04	State	N	N	Y	N	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
285.96	285.98	17B	44%	Mattaponi	0.01	Prime	N	N	N	N	Y	N	N
			56%	Fluvanna	0.01	Prime	N	N	N	N	N	N	N
285.98	286.09	17C	44%	Mattaponi	0.05	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.06	State	N	N	Y	N	Y	N	N
286.09	286.16	17B	44%	Mattaponi	0.03	Prime	N	N	N	N	Y	N	N
			56%	Fluvanna	0.04	Prime	N	N	N	N	N	N	N
286.16	286.30	17C	44%	Mattaponi	0.06	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.08	State	N	N	Y	N	Y	N	N
286.30	286.32	31A	100%	Roanoke	0.01	N	Y	Y	N	N	N	N	N
286.32	286.34	30A	100%	Riverview	0.03	Prime	N	N	N	N	N	N	N
286.34	286.36	W	100%	Water	0.02	N	N	N	N	N	N	N	N
286.36	286.38	30A	100%	Riverview	0.02	Prime	N	N	N	N	N	N	N
286.38	286.43	9A	100%	Chenneby	0.04	N	N	Y	N	N	N	N	N
286.43	286.49	32A	100%	Roanoke	0.06	N	Y	Y	N	N	N	N	N
286.49	286.52	17C	44%	Mattaponi	0.01	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.02	State	N	N	Y	N	Y	N	N
286.52	286.65	34A	100%	State	0.14	Prime	N	N	N	Y	Y	N	N
286.65	286.72	2A	100%	Altavista	0.07	Prime	N	N	N	N	N	N	N
286.72	286.78	31A	100%	Roanoke	0.06	N	Y	Y	N	N	N	N	N
286.78	286.91	16C3	40%	Goldston	0.05	N	N	N	Y	N	Y	Y	Lithic
			60%	Fluvanna	0.08	N	N	N	Y	N	Y	N	N
286.91	286.99	16B3	40%	Goldston	0.03	N	N	N	N	N	N	Y	Lithic
			60%	Fluvanna	0.05	N	N	N	N	N	N	N	N
286.99	287.03	16C3	40%	Goldston	0.01	N	N	N	Y	N	Y	Y	Lithic
			60%	Fluvanna	0.02	N	N	N	Y	N	Y	N	N
287.03	287.06	31A	100%	Roanoke	0.02	N	Y	Y	N	N	N	N	N
287.06	287.15	17C	44%	Mattaponi	0.04	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.05	State	N	N	Y	N	Y	N	N
287.15	287.16	21B	100%	Iredell	<0.01	State	N	N	N	N	N	N	N
287.16	287.37	17C	44%	Mattaponi	0.09	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.11	State	N	N	Y	N	Y	N	N
287.37	287.40	25B	100%	Mattaponi	0.04	Prime	N	N	N	N	Y	N	N
287.40	287.42	33A	100%	Slagle	0.02	Prime	N	N	N	N	N	N	N
287.42	287.71	40A	100%	Woodington	0.28	N	Y	N	N	N	N	N	N
287.71	287.74	33A	100%	Slagle	0.04	Prime	N	N	N	N	N	N	N
287.74	287.93	40A	100%	Woodington	0.19	N	Y	N	N	N	N	N	N
287.93	288.00	33A	100%	Slagle	0.08	Prime	N	N	N	N	N	N	N
288.00	288.14	12B	100%	Emporia	0.14	Prime	N	N	N	Y	Y	N	N
288.14	288.16	33A	100%	Slagle	0.02	Prime	N	N	N	N	N	N	N
288.16	288.21	31A	100%	Roanoke	0.05	N	Y	Y	N	N	N	N	N
288.21	288.23	33A	100%	Slagle	0.02	Prime	N	N	N	N	N	N	N
288.23	288.32	40A	100%	Woodington	0.09	N	Y	N	N	N	N	N	N
288.32	288.34	17C	44%	Mattaponi	0.01	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.01	State	N	N	Y	N	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
288.34	288.37	14B	100%	Fluvanna	0.04	Prime	N	N	N	N	N	N	N
288.37	288.47	1B	100%	Abell	0.10	Prime	N	N	N	N	N	N	N
288.47	288.48	17C	44%	Mattaponi	0.01	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.01	State	N	N	Y	N	Y	N	N
288.48	288.50	31A	100%	Roanoke	0.02	N	Y	Y	N	N	N	N	N
288.50	288.52	25C	100%	Mattaponi	0.02	N	N	N	Y	N	Y	Y	N
288.52	288.60	31A	100%	Roanoke	0.09	N	Y	Y	N	N	N	N	N
288.60	288.64	17C	44%	Mattaponi	0.01	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.02	State	N	N	Y	N	Y	N	N
288.64	288.73	14B	100%	Fluvanna	0.10	Prime	N	N	N	N	N	N	N
288.73	288.77	31A	100%	Roanoke	0.04	N	Y	Y	N	N	N	N	N
288.77	288.80	17C	44%	Mattaponi	0.02	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.02	State	N	N	Y	N	Y	N	N
288.80	288.86	31A	100%	Roanoke	0.06	N	Y	Y	N	N	N	N	N
288.86	288.88	17C	44%	Mattaponi	0.01	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.01	State	N	N	Y	N	Y	N	N
288.88	288.89	17B	44%	Mattaponi	<0.01	Prime	N	N	N	N	Y	N	N
			56%	Fluvanna	0.01	Prime	N	N	N	N	N	N	N
288.89	288.91	17C	44%	Mattaponi	0.01	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.01	State	N	N	Y	N	Y	N	N
288.91	288.92	31A	100%	Roanoke	0.01	N	Y	Y	N	N	N	N	N
288.92	288.95	17C	44%	Mattaponi	0.01	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.02	State	N	N	Y	N	Y	N	N
288.95	288.97	17B	44%	Mattaponi	0.01	Prime	N	N	N	N	Y	N	N
			56%	Fluvanna	0.01	Prime	N	N	N	N	N	N	N
288.97	289.00	36B	100%	Uchee	0.04	Prime	N	N	N	Y	Y	N	N
289.00	289.03	17C	44%	Mattaponi	0.01	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.01	State	N	N	Y	N	Y	N	N
289.03	289.05	31A	100%	Roanoke	0.02	N	Y	Y	N	N	N	N	N
289.05	289.09	10C3	100%	Craven	0.04	N	N	N	Y	N	Y	N	N
289.09	289.24	36B	100%	Uchee	0.15	Prime	N	N	N	Y	Y	N	N
289.24	289.29	33A	100%	Slagle	0.05	Prime	N	N	N	N	N	N	N
289.29	289.57	36B	100%	Uchee	0.29	Prime	N	N	N	Y	Y	N	N
289.57	289.67	25B	100%	Mattaponi	0.10	Prime	N	N	N	N	Y	N	N
289.67	289.71	36B	100%	Uchee	0.04	Prime	N	N	N	Y	Y	N	N
289.71	289.73	17C	44%	Mattaponi	0.01	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.02	State	N	N	Y	N	Y	N	N
289.73	289.82	31A	100%	Roanoke	0.08	N	Y	Y	N	N	N	N	N
289.82	289.85	17C	44%	Mattaponi	0.01	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.02	State	N	N	Y	N	Y	N	N
289.85	289.87	17B	44%	Mattaponi	0.01	Prime	N	N	N	N	Y	N	N
			56%	Fluvanna	0.01	Prime	N	N	N	N	N	N	N
289.87	289.90	17C	44%	Mattaponi	0.01	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.02	State	N	N	Y	N	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
289.90	289.93	17B	44%	Mattaponi	0.01	Prime	N	N	N	N	Y	N	N
			56%	Fluvanna	0.02	Prime	N	N	N	N	N	N	N
289.93	289.95	17C	44%	Mattaponi	0.01	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.01	State	N	N	Y	N	Y	N	N
289.95	289.97	33A	100%	Slagle	0.02	Prime	N	N	N	N	N	N	N
289.97	290.00	31A	100%	Roanoke	0.03	N	Y	Y	N	N	N	N	N
290.00	290.10	33A	100%	Slagle	0.10	Prime	N	N	N	N	N	N	N
290.10	290.13	40A	100%	Woodington	0.03	N	Y	N	N	N	N	N	N
290.13	290.14	33A	100%	Slagle	0.01	Prime	N	N	N	N	N	N	N
290.14	290.37	40A	100%	Woodington	0.23	N	Y	N	N	N	N	N	N
290.37	290.54	33A	100%	Slagle	0.17	Prime	N	N	N	N	N	N	N
290.54	290.78	40A	100%	Woodington	0.24	N	Y	N	N	N	N	N	N
290.78	290.82	33A	100%	Slagle	0.04	Prime	N	N	N	N	N	N	N
290.82	290.85	40A	100%	Woodington	0.03	N	Y	N	N	N	N	N	N
290.85	290.85	12B	100%	Emporia	<0.01	Prime	N	N	N	Y	Y	N	N
290.85	290.88	33A	100%	Slagle	0.03	Prime	N	N	N	N	N	N	N
290.88	290.91	40A	100%	Woodington	0.03	N	Y	N	N	N	N	N	N
290.91	290.96	33A	100%	Slagle	0.05	Prime	N	N	N	N	N	N	N
290.96	290.99	12B	100%	Emporia	0.03	Prime	N	N	N	Y	Y	N	N
290.99	291.05	40A	100%	Woodington	0.06	N	Y	N	N	N	N	N	N
291.05	291.15	33A	100%	Slagle	0.10	Prime	N	N	N	N	N	N	N
291.15	291.17	40A	100%	Woodington	0.02	N	Y	N	N	N	N	N	N
291.17	291.25	33A	100%	Slagle	0.09	Prime	N	N	N	N	N	N	N
291.25	291.31	40A	100%	Woodington	0.05	N	Y	N	N	N	N	N	N
291.31	291.33	33A	100%	Slagle	0.03	Prime	N	N	N	N	N	N	N
291.33	291.40	40A	100%	Woodington	0.07	N	Y	N	N	N	N	N	N
291.40	291.44	33A	100%	Slagle	0.04	Prime	N	N	N	N	N	N	N
291.44	291.55	25B	100%	Mattaponi	0.11	Prime	N	N	N	N	Y	N	N
291.55	291.70	40A	100%	Woodington	0.15	N	Y	N	N	N	N	N	N
291.70	291.74	33A	100%	Slagle	0.04	Prime	N	N	N	N	N	N	N
291.74	291.78	10B3	100%	Craven	0.04	N	N	N	Y	N	N	N	N
291.78	292.16	40A	100%	Woodington	0.39	N	Y	N	N	N	N	N	N
292.16	292.20	33A	100%	Slagle	0.04	Prime	N	N	N	N	N	N	N
292.20	292.32	40A	100%	Woodington	0.13	N	Y	N	N	N	N	N	N
292.32	292.35	33A	100%	Slagle	0.02	Prime	N	N	N	N	N	N	N
292.35	292.39	12B	100%	Emporia	0.04	Prime	N	N	N	Y	Y	N	N
292.39	292.42	33A	100%	Slagle	0.04	Prime	N	N	N	N	N	N	N
292.42	292.59	40A	100%	Woodington	0.17	N	Y	N	N	N	N	N	N
292.59	292.62	12B	100%	Emporia	0.03	Prime	N	N	N	Y	Y	N	N
292.62	292.90	40A	100%	Woodington	0.28	N	Y	N	N	N	N	N	N
292.90	292.93	33A	100%	Slagle	0.03	Prime	N	N	N	N	N	N	N
292.93	293.07	40A	100%	Woodington	0.14	N	Y	N	N	N	N	N	N
293.07	293.12	37	100%	Udorthents	0.05	N	N	N	Y	N	N	N	N
293.12	293.15	40A	100%	Woodington	0.03	N	Y	N	N	N	N	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
293.15	293.41	33A	100%	Slagle	0.27	Prime	N	N	N	N	N	N	N
293.41	293.53	10C3	100%	Craven	0.14	N	N	N	Y	N	Y	N	N
293.53	293.70	33A	100%	Slagle	0.20	Prime	N	N	N	N	N	N	N
293.70	293.75	12B	100%	Emporia	0.07	Prime	N	N	N	Y	Y	N	N
293.75	293.95	33A	100%	Slagle	0.24	Prime	N	N	N	N	N	N	N
293.95	293.99	10C3	100%	Craven	0.05	N	N	N	Y	N	Y	N	N
293.99	294.01	31A	100%	Roanoke	0.03	N	Y	Y	N	N	N	N	N
294.01	294.04	10C3	100%	Craven	0.04	N	N	N	Y	N	Y	N	N
294.04	294.09	31A	100%	Roanoke	0.06	N	Y	Y	N	N	N	N	N
294.09	294.11	10C3	100%	Craven	0.03	N	N	N	Y	N	Y	N	N
294.11	294.13	31A	100%	Roanoke	0.02	N	Y	Y	N	N	N	N	N
294.13	294.15	10C3	100%	Craven	0.03	N	N	N	Y	N	Y	N	N
294.15	294.18	31A	100%	Roanoke	0.03	N	Y	Y	N	N	N	N	N
294.18	294.24	10C3	100%	Craven	0.07	N	N	N	Y	N	Y	N	N
294.24	294.25	31A	100%	Roanoke	0.02	N	Y	Y	N	N	N	N	N
294.25	294.27	10C3	100%	Craven	0.02	N	N	N	Y	N	Y	N	N
294.27	294.33	12B	100%	Emporia	0.07	Prime	N	N	N	Y	Y	N	N
294.33	294.35	10C3	100%	Craven	0.02	N	N	N	Y	N	Y	N	N
294.35	294.36	33A	100%	Slagle	0.01	Prime	N	N	N	N	N	N	N
294.36	294.39	10C3	100%	Craven	0.04	N	N	N	Y	N	Y	N	N
294.39	294.39	33A	100%	Slagle	<0.01	Prime	N	N	N	N	N	N	N
294.39	294.41	10C3	100%	Craven	0.03	N	N	N	Y	N	Y	N	N
294.41	294.46	12B	100%	Emporia	0.05	Prime	N	N	N	Y	Y	N	N
294.46	294.49	10C3	100%	Craven	0.04	N	N	N	Y	N	Y	N	N
294.49	294.52	12B	100%	Emporia	0.03	Prime	N	N	N	Y	Y	N	N
294.52	294.57	10C3	100%	Craven	0.06	N	N	N	Y	N	Y	N	N
294.57	294.67	12B	100%	Emporia	0.12	Prime	N	N	N	Y	Y	N	N
294.67	294.70	33A	100%	Slagle	0.04	Prime	N	N	N	N	N	N	N
294.70	294.72	40A	100%	Woodington	0.03	N	Y	N	N	N	N	N	N
294.72	294.82	33A	100%	Slagle	0.13	Prime	N	N	N	N	N	N	N
294.82	294.96	12B	100%	Emporia	0.16	Prime	N	N	N	Y	Y	N	N
294.96	295.02	33A	100%	Slagle	0.06	Prime	N	N	N	N	N	N	N
295.02	295.53	12B	100%	Emporia	0.51	Prime	N	N	N	Y	Y	N	N
295.53	295.60	10C3	100%	Craven	0.07	N	N	N	Y	N	Y	N	N
295.60	295.71	31A	100%	Roanoke	0.12	N	Y	Y	N	N	N	N	N
295.71	295.75	10B3	100%	Craven	0.04	N	N	N	Y	N	N	N	N
295.75	295.79	12B	100%	Emporia	0.04	Prime	N	N	N	Y	Y	N	N
295.79	295.84	33A	100%	Slagle	0.04	Prime	N	N	N	N	N	N	N
295.84	295.89	36B	100%	Uchee	0.05	Prime	N	N	N	Y	Y	N	N
295.89	295.94	31A	100%	Roanoke	0.05	N	Y	Y	N	N	N	N	N
295.94	295.96	10B3	100%	Craven	0.02	N	N	N	Y	N	N	N	N
295.96	296.03	12B	100%	Emporia	0.07	Prime	N	N	N	Y	Y	N	N
296.03	296.05	10B3	100%	Craven	0.02	N	N	N	Y	N	N	N	N
296.05	296.08	12B	100%	Emporia	0.02	Prime	N	N	N	Y	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
296.08	296.26	10B3	100%	Craven	0.19	N	N	N	Y	N	N	N	N
296.26	296.34	36B	100%	Uchee	0.09	Prime	N	N	N	Y	Y	N	N
296.34	296.43	12B	100%	Emporia	0.09	Prime	N	N	N	Y	Y	N	N
296.43	296.54	10B3	100%	Craven	0.11	N	N	N	Y	N	N	N	N
296.54	296.62	12B	100%	Emporia	0.08	Prime	N	N	N	Y	Y	N	N
296.62	296.64	36B	100%	Uchee	0.02	Prime	N	N	N	Y	Y	N	N
296.64	296.76	12B	100%	Emporia	0.12	Prime	N	N	N	Y	Y	N	N
296.76	296.79	33A	100%	Slagle	0.02	Prime	N	N	N	N	N	N	N
296.79	296.94	31A	100%	Roanoke	0.16	N	Y	Y	N	N	N	N	N
296.94	296.99	10C3	100%	Craven	0.05	N	N	N	Y	N	Y	N	N
296.99	297.05	36B	100%	Uchee	0.06	Prime	N	N	N	Y	Y	N	N
297.05	297.13	10C3	100%	Craven	0.08	N	N	N	Y	N	Y	N	N
297.13	297.18	32A	100%	Roanoke	0.06	N	Y	Y	N	N	N	N	N
297.18	297.23	10C3	100%	Craven	0.04	N	N	N	Y	N	Y	N	N
297.23	297.26	32A	100%	Roanoke	0.04	N	Y	Y	N	N	N	N	N
297.26	297.31	10C3	100%	Craven	0.05	N	N	N	Y	N	Y	N	N
297.31	297.39	32A	100%	Roanoke	0.09	N	Y	Y	N	N	N	N	N
297.39	297.43	31A	100%	Roanoke	0.03	N	Y	Y	N	N	N	N	N
297.43	297.54	33A	100%	Slagle	0.11	Prime	N	N	N	N	N	N	N
297.54	297.56	31A	100%	Roanoke	0.02	N	Y	Y	N	N	N	N	N
297.56	297.62	33A	100%	Slagle	0.06	Prime	N	N	N	N	N	N	N
297.62	297.63	31A	100%	Roanoke	0.02	N	Y	Y	N	N	N	N	N
297.63	297.67	32A	100%	Roanoke	0.03	N	Y	Y	N	N	N	N	N
297.67	297.75	31A	100%	Roanoke	0.08	N	Y	Y	N	N	N	N	N
297.75	297.82	32A	100%	Roanoke	0.07	N	Y	Y	N	N	N	N	N
297.82	298.04	31A	100%	Roanoke	0.22	N	Y	Y	N	N	N	N	N
298.04	298.07	32A	100%	Roanoke	0.03	N	Y	Y	N	N	N	N	N
298.07	298.23	31A	100%	Roanoke	0.16	N	Y	Y	N	N	N	N	N
298.23	298.29	3A	100%	Altavista	0.06	Prime	N	N	N	N	N	N	N
298.29	298.44	31A	100%	Roanoke	0.15	N	Y	Y	N	N	N	N	N
298.44	298.45	8A	100%	Bojac	0.01	Prime	N	N	N	Y	Y	N	N
298.45	298.48	32A	100%	Roanoke	0.04	N	Y	Y	N	N	N	N	N
298.48	298.53	8A	100%	Bojac	0.05	Prime	N	N	N	Y	Y	N	N
298.53	298.55	31A	100%	Roanoke	0.02	N	Y	Y	N	N	N	N	N
298.55	298.58	32A	100%	Roanoke	0.02	N	Y	Y	N	N	N	N	N
298.58	298.63	31A	100%	Roanoke	0.05	N	Y	Y	N	N	N	N	N
298.63	298.68	39A	100%	Wickham	0.05	Prime	N	N	N	N	Y	N	N
298.68	298.70	31A	100%	Roanoke	0.02	N	Y	Y	N	N	N	N	N
298.70	298.72	3A	100%	Altavista	0.02	Prime	N	N	N	N	N	N	N
298.72	298.99	31A	100%	Roanoke	0.27	N	Y	Y	N	N	N	N	N
298.99	299.04	3A	100%	Altavista	0.05	Prime	N	N	N	N	N	N	N
299.04	299.05	31A	100%	Roanoke	0.02	N	Y	Y	N	N	N	N	N
299.05	299.13	3A	100%	Altavista	0.08	Prime	N	N	N	N	N	N	N
299.13	299.20	39A	100%	Wickham	0.07	Prime	N	N	N	N	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
299.20	299.26	8A	100%	Bojac	0.06	Prime	N	N	N	Y	N	N	
299.26	299.29	3A	100%	Altavista	0.03	Prime	N	N	N	N	N	N	
299.29	299.33	8A	100%	Bojac	0.04	Prime	N	N	N	Y	N	N	
299.33	299.61	31A	100%	Roanoke	0.28	N	Y	Y	N	N	N	N	
299.61	299.62	W	100%	Water	0.01	N	N	N	N	N	N	N	
299.62	299.66	31A	100%	Roanoke	0.03	N	Y	Y	N	N	N	N	
299.66	299.83	32A	100%	Roanoke	0.17	N	Y	Y	N	N	N	N	
299.83	299.93	10C3	100%	Craven	0.10	N	N	N	Y	N	Y	N	
299.93	299.93	25B	100%	Mattaponi	<0.01	Prime	N	N	N	N	Y	N	
299.93	299.98	10C3	100%	Craven	0.05	N	N	N	Y	N	Y	N	
299.98	300.04	40A	100%	Woodington	0.06	N	Y	N	N	N	N	N	
300.04	300.06	10B3	100%	Craven	0.01	N	N	N	Y	N	N	N	
300.06	300.06	GyB2	100%	Gritney	<0.01	N	N	N	Y	N	N	N	
AP-3													
Greensville County, VA													
12.21	12.22	Wh	11%	Wehadkee	<0.01	N	Y	Y	N	N	N	N	
			89%	Wehadkee	0.01	N	Y	Y	N	N	N	N	
12.22	12.38	31A	100%	Roanoke	0.16	N	Y	Y	N	N	N	N	
12.38	12.39	W	100%	Water	0.01	N	N	N	N	N	N	N	
12.39	12.39	W	100%	Water	0.01	N	N	N	N	N	N	N	
12.39	12.40	9A	100%	Chewacla	<0.01	N	N	Y	N	N	N	N	
Southampton County, VA													
12.40	12.53	9A	100%	Chewacla	0.13	N	N	Y	N	N	N	N	
12.53	12.66	8A	100%	Chastain	0.13	N	Y	Y	N	N	N	N	
12.66	12.86	22A	100%	Riverview	0.21	N	N	N	N	Y	N	N	
12.86	12.98	8A	100%	Chastain	0.12	N	Y	Y	N	N	N	N	
12.98	13.03	27B	100%	State	0.05	Prime	N	N	N	N	N	N	
13.03	13.26	27A	100%	State	0.24	Prime	N	N	N	N	N	N	
13.26	13.37	2A	100%	Altavista	0.11	Prime	N	N	N	N	N	N	
13.37	13.47	7A	100%	Chastain	0.11	N	Y	Y	N	N	N	N	
13.47	13.49	9A	100%	Chewacla	0.01	N	N	Y	N	N	N	N	
13.49	13.51	7A	100%	Chastain	0.02	N	Y	Y	N	N	N	N	
13.51	13.66	8A	100%	Chastain	0.15	N	Y	Y	N	N	N	N	
13.66	14.08	9A	100%	Chewacla	0.42	N	N	Y	N	N	N	N	
14.08	14.13	8A	100%	Chastain	0.05	N	Y	Y	N	N	N	N	
14.13	14.32	9A	100%	Chewacla	0.20	N	N	Y	N	N	N	N	
14.32	14.37	7A	100%	Chastain	0.04	N	Y	Y	N	N	N	N	
14.37	14.46	8A	100%	Chastain	0.10	N	Y	Y	N	N	N	N	
14.46	15.05	23A	100%	Roanoke	0.59	N	Y	Y	N	N	N	N	
15.05	15.07	8A	100%	Chastain	0.02	N	Y	Y	N	N	N	N	
15.07	15.13	3A	100%	Augusta	0.06	Prime	N	N	N	N	N	N	
15.13	15.17	2A	100%	Altavista	0.04	Prime	N	N	N	N	N	N	
15.17	15.19	3A	100%	Augusta	0.02	Prime	N	N	N	N	N	N	
15.19	15.28	2A	100%	Altavista	0.08	Prime	N	N	N	N	N	N	

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
15.28	15.32	3A	100%	Augusta	0.04	Prime	N	N	N	N	N	N	N
15.32	15.43	8A	100%	Chastain	0.11	N	Y	Y	N	N	N	N	N
15.43	15.44	23A	100%	Roanoke	0.02	N	Y	Y	N	N	N	N	N
15.44	15.51	2A	100%	Altavista	0.07	Prime	N	N	N	N	N	N	N
15.51	15.81	10A	100%	Craven	0.30	Prime	N	N	N	N	N	N	N
15.81	15.86	23A	100%	Roanoke	0.05	N	Y	Y	N	N	N	N	N
15.86	15.89	10B	100%	Craven	0.03	Prime	N	N	N	N	N	N	N
15.89	15.94	7A	100%	Chastain	0.05	N	Y	Y	N	N	N	N	N
15.94	16.01	3A	100%	Augusta	0.07	Prime	N	N	N	N	N	N	N
16.01	16.09	29A	100%	Tomotley	0.08	Prime	Y	N	N	N	N	N	N
16.09	16.12	3A	100%	Augusta	0.03	Prime	N	N	N	N	N	N	N
16.12	16.51	29A	100%	Tomotley	0.40	Prime	Y	N	N	N	N	N	N
16.51	16.54	7A	100%	Chastain	0.03	N	Y	Y	N	N	N	N	N
16.54	16.58	3A	100%	Augusta	0.04	Prime	N	N	N	N	N	N	N
16.58	16.89	29A	100%	Tomotley	0.33	Prime	Y	N	N	N	N	N	N
16.89	16.94	15A	100%	Munden	0.05	Prime	N	N	N	Y	Y	N	N
16.94	16.97	29A	100%	Tomotley	0.03	Prime	Y	N	N	N	N	N	N
16.97	16.99	24B	16%	Uchee	<0.01	N	N	N	N	Y	Y	N	N
			37%	Kenansville	0.01	N	N	N	N	Y	Y	N	N
			47%	Rumford	0.01	N	N	N	N	Y	Y	N	N
16.99	17.04	25A	100%	Seabrook	0.05	N	N	N	N	Y	Y	N	N
17.04	17.08	29A	100%	Tomotley	0.03	Prime	Y	N	N	N	N	N	N
17.08	17.14	25A	100%	Seabrook	0.06	N	N	N	N	Y	Y	N	N
17.14	17.26	29A	100%	Tomotley	0.12	Prime	Y	N	N	N	N	N	N
17.26	17.38	17B	100%	Nansemond	0.12	Prime	N	N	N	Y	Y	N	N
17.38	17.63	13B	100%	Emporia	0.26	Prime	N	N	N	N	N	N	N
17.63	17.67	30D	100%	Uchee	0.04	N	N	N	Y	Y	Y	N	N
17.67	17.90	4A	100%	Bibb	0.24	N	Y	N	N	N	N	N	N
17.90	17.96	21A	100%	Pactolus	0.06	N	N	N	N	Y	Y	N	N
17.96	18.05	4A	100%	Bibb	0.10	N	Y	N	N	N	N	N	N
18.05	18.21	16A	100%	Myatt	0.16	Prime	Y	Y	N	N	N	N	N
18.21	18.50	26A	100%	Slagle	0.29	Prime	N	N	N	N	N	N	N
18.50	18.66	13B	100%	Emporia	0.16	Prime	N	N	N	N	N	N	N
18.66	18.71	26C	100%	Slagle	0.05	State	N	N	N	N	N	N	N
18.71	18.79	26B	100%	Slagle	0.08	Prime	N	N	N	N	N	N	N
18.79	18.87	13B	100%	Emporia	0.09	Prime	N	N	N	N	N	N	N
18.87	18.98	30D	100%	Uchee	0.11	N	N	N	Y	Y	Y	N	N
18.98	19.02	4A	100%	Bibb	0.03	N	Y	N	N	N	N	N	N
19.02	19.04	26B	100%	Slagle	0.03	Prime	N	N	N	N	N	N	N
19.04	19.14	30D	100%	Uchee	0.10	N	N	N	Y	Y	Y	N	N
19.14	19.18	26B	100%	Slagle	0.03	Prime	N	N	N	N	N	N	N
19.18	19.22	4A	100%	Bibb	0.04	N	Y	N	N	N	N	N	N
19.22	19.37	26B	100%	Slagle	0.15	Prime	N	N	N	N	N	N	N
19.37	19.57	26C	100%	Slagle	0.19	State	N	N	N	N	N	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
19.57	19.67	26A	100%	Slagle	0.10	Prime	N	N	N	N	N	N	N
19.67	19.86	13A	100%	Emporia	0.19	Prime	N	N	N	N	N	N	N
19.86	20.04	26C	100%	Slagle	0.18	State	N	N	N	N	N	N	N
20.04	20.09	4A	100%	Bibb	0.05	N	Y	N	N	N	N	N	N
20.09	20.12	26C	100%	Slagle	0.03	State	N	N	N	N	N	N	N
20.12	20.21	26B	100%	Slagle	0.09	Prime	N	N	N	N	N	N	N
20.21	20.35	30B	100%	Uchee	0.14	N	N	N	N	Y	Y	N	N
20.35	20.40	26A	100%	Slagle	0.05	Prime	N	N	N	N	N	N	N
20.40	20.50	30B	100%	Uchee	0.10	N	N	N	N	Y	Y	N	N
20.50	20.59	24B	16%	Uchee	0.01	N	N	N	N	Y	Y	N	N
			37%	Kenansville	0.03	N	N	N	N	Y	Y	N	N
			47%	Rumford	0.04	N	N	N	N	Y	Y	N	N
20.59	20.64	30D	100%	Uchee	0.05	N	N	N	Y	Y	Y	N	N
20.64	20.72	4A	100%	Bibb	0.08	N	Y	N	N	N	N	N	N
20.72	20.85	26B	100%	Slagle	0.14	Prime	N	N	N	N	N	N	N
20.85	20.86	4A	100%	Bibb	0.01	N	Y	N	N	N	N	N	N
20.86	20.94	26B	100%	Slagle	0.08	Prime	N	N	N	N	N	N	N
20.94	20.98	4A	100%	Bibb	0.04	N	Y	N	N	N	N	N	N
20.98	21.06	26C	100%	Slagle	0.07	State	N	N	N	N	N	N	N
21.06	21.06	4A	100%	Bibb	<0.01	N	Y	N	N	N	N	N	N
21.06	21.20	26C	100%	Slagle	0.14	State	N	N	N	N	N	N	N
21.20	21.26	26B	100%	Slagle	0.06	Prime	N	N	N	N	N	N	N
21.26	21.35	4A	100%	Bibb	0.09	N	Y	N	N	N	N	N	N
21.35	21.40	26B	100%	Slagle	0.05	Prime	N	N	N	N	N	N	N
21.40	21.51	30B	100%	Uchee	0.11	N	N	N	N	Y	Y	N	N
21.51	21.69	26B	100%	Slagle	0.18	Prime	N	N	N	N	N	N	N
21.69	21.70	4A	100%	Bibb	0.02	N	Y	N	N	N	N	N	N
21.70	21.73	26B	100%	Slagle	0.03	Prime	N	N	N	N	N	N	N
21.73	21.80	4A	100%	Bibb	0.06	N	Y	N	N	N	N	N	N
21.80	21.84	26B	100%	Slagle	0.04	Prime	N	N	N	N	N	N	N
21.84	21.94	13B	100%	Emporia	0.10	Prime	N	N	N	N	N	N	N
21.94	22.27	26A	100%	Slagle	0.33	Prime	N	N	N	N	N	N	N
22.27	22.40	13B	100%	Emporia	0.14	Prime	N	N	N	N	N	N	N
22.40	22.70	26A	100%	Slagle	0.30	Prime	N	N	N	N	N	N	N
22.70	22.87	23A	100%	Roanoke	0.17	N	Y	Y	N	N	N	N	N
22.87	22.93	16A	100%	Myatt	0.06	Prime	Y	Y	N	N	N	N	N
22.93	23.01	10A	100%	Craven	0.08	Prime	N	N	N	N	N	N	N
23.01	23.06	23A	100%	Roanoke	0.05	N	Y	Y	N	N	N	N	N
23.06	23.10	26A	100%	Slagle	0.04	Prime	N	N	N	N	N	N	N
23.10	23.15	10A	100%	Craven	0.05	Prime	N	N	N	N	N	N	N
23.15	23.32	13A	100%	Emporia	0.17	Prime	N	N	N	N	N	N	N
23.32	23.39	30B	100%	Uchee	0.08	N	N	N	N	Y	Y	N	N
23.39	23.60	13B	100%	Emporia	0.22	Prime	N	N	N	N	N	N	N
23.60	23.69	26B	100%	Slagle	0.08	Prime	N	N	N	N	N	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
23.69	23.76	4A	100%	Bibb	0.07	N	Y	N	N	N	N	N	N
23.76	23.81	10B	100%	Craven	0.05	Prime	N	N	N	N	N	N	N
23.81	23.84	11B	100%	Craven	0.04	N	N	N	N	N	N	N	N
23.84	24.08	10B	100%	Craven	0.24	Prime	N	N	N	N	N	N	N
24.08	24.14	30B	100%	Uchee	0.06	N	N	N	N	Y	Y	N	N
24.14	24.18	17B	100%	Nansemond	0.03	Prime	N	N	N	Y	Y	N	N
24.18	24.30	30B	100%	Uchee	0.12	N	N	N	N	Y	Y	N	N
24.30	24.33	4A	100%	Bibb	0.04	N	Y	N	N	N	N	N	N
24.33	24.38	13B	100%	Emporia	0.05	Prime	N	N	N	N	N	N	N
24.38	24.42	13A	100%	Emporia	0.04	Prime	N	N	N	N	N	N	N
24.42	24.45	13B	100%	Emporia	0.03	Prime	N	N	N	N	N	N	N
24.45	24.49	16A	100%	Myatt	0.04	Prime	Y	Y	N	N	N	N	N
24.49	24.65	13B	100%	Emporia	0.16	Prime	N	N	N	N	N	N	N
24.65	24.86	26A	100%	Slagle	0.21	Prime	N	N	N	N	N	N	N
24.86	24.90	13A	100%	Emporia	0.05	Prime	N	N	N	N	N	N	N
24.90	25.01	34A	100%	Yemassee	0.10	Prime	N	N	N	N	N	N	N
25.01	25.13	16A	100%	Myatt	0.12	Prime	Y	Y	N	N	N	N	N
25.13	25.35	34A	100%	Yemassee	0.22	Prime	N	N	N	N	N	N	N
25.35	25.38	16A	100%	Myatt	0.03	Prime	Y	Y	N	N	N	N	N
25.38	25.85	26A	100%	Slagle	0.48	Prime	N	N	N	N	N	N	N
25.85	25.92	13A	100%	Emporia	0.07	Prime	N	N	N	N	N	N	N
25.92	25.99	13B	100%	Emporia	0.07	Prime	N	N	N	N	N	N	N
25.99	26.06	16A	100%	Myatt	0.07	Prime	Y	Y	N	N	N	N	N
26.06	26.12	13B	100%	Emporia	0.06	Prime	N	N	N	N	N	N	N
26.12	26.15	16A	100%	Myatt	0.04	Prime	Y	Y	N	N	N	N	N
26.15	26.24	13B	100%	Emporia	0.08	Prime	N	N	N	N	N	N	N
26.24	26.31	13A	100%	Emporia	0.08	Prime	N	N	N	N	N	N	N
26.31	26.31	13B	100%	Emporia	<0.01	Prime	N	N	N	N	N	N	N
26.31	26.41	26A	100%	Slagle	0.10	Prime	N	N	N	N	N	N	N
26.41	26.55	13B	100%	Emporia	0.14	Prime	N	N	N	N	N	N	N
26.55	26.66	26B	100%	Slagle	0.11	Prime	N	N	N	N	N	N	N
26.66	26.82	26A	100%	Slagle	0.17	Prime	N	N	N	N	N	N	N
26.82	26.91	13A	100%	Emporia	0.09	Prime	N	N	N	N	N	N	N
26.91	27.20	26A	100%	Slagle	0.30	Prime	N	N	N	N	N	N	N
27.20	27.37	30B	100%	Uchee	0.17	N	N	N	N	Y	Y	N	N
27.37	27.42	29A	100%	Tomotley	0.05	Prime	Y	N	N	N	N	N	N
27.42	27.45	26A	100%	Slagle	0.03	Prime	N	N	N	N	N	N	N
27.45	27.51	26B	100%	Slagle	0.07	Prime	N	N	N	N	N	N	N
27.51	27.64	13A	100%	Emporia	0.13	Prime	N	N	N	N	N	N	N
27.64	27.70	26B	100%	Slagle	0.06	Prime	N	N	N	N	N	N	N
27.70	27.78	29A	100%	Tomotley	0.08	Prime	Y	N	N	N	N	N	N
27.78	27.85	30B	100%	Uchee	0.07	N	N	N	N	Y	Y	N	N
27.85	27.89	13B	100%	Emporia	0.04	Prime	N	N	N	N	N	N	N
27.89	27.95	30B	100%	Uchee	0.06	N	N	N	N	Y	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
27.95	28.04	26B	100%	Slagle	0.08	Prime	N	N	N	N	N	N	N
28.04	28.30	30B	100%	Uchee	0.26	N	N	N	N	Y	Y	N	N
28.30	28.34	29A	100%	Tomotley	0.04	Prime	Y	N	N	N	N	N	N
28.34	28.48	30B	100%	Uchee	0.13	N	N	N	N	Y	Y	N	N
28.48	28.63	30C	100%	Uchee	0.16	N	N	N	N	Y	Y	N	N
28.63	28.79	29A	100%	Tomotley	0.16	Prime	Y	N	N	N	N	N	N
28.79	28.82	2A	100%	Altavista	0.03	Prime	N	N	N	N	N	N	N
28.82	28.91	27A	100%	State	0.09	Prime	N	N	N	N	N	N	N
28.91	29.41	2A	100%	Altavista	0.49	Prime	N	N	N	N	N	N	N
29.41	29.64	29A	100%	Tomotley	0.22	Prime	Y	N	N	N	N	N	N
29.64	29.69	2A	100%	Altavista	0.05	Prime	N	N	N	N	N	N	N
29.69	29.89	28B	100%	Tarboro	0.19	N	N	N	N	Y	Y	N	N
29.89	29.94	5B	100%	Bojac	0.05	Prime	N	N	N	Y	Y	N	N
29.94	30.08	2A	100%	Altavista	0.14	Prime	N	N	N	N	N	N	N
30.08	30.20	3A	100%	Augusta	0.12	Prime	N	N	N	N	N	N	N
30.20	30.33	2A	100%	Altavista	0.13	Prime	N	N	N	N	N	N	N
30.33	30.45	3A	100%	Augusta	0.12	Prime	N	N	N	N	N	N	N
30.45	30.68	27A	100%	State	0.23	Prime	N	N	N	N	N	N	N
30.68	30.75	8A	100%	Chastain	0.07	N	Y	Y	N	N	N	N	N
30.75	31.73	2A	100%	Altavista	0.98	Prime	N	N	N	N	N	N	N
31.73	31.77	18F	44%	Remlik	0.02	N	N	N	Y	Y	Y	N	N
			56%	Nevarc	0.02	N	N	N	Y	N	Y	N	N
31.77	31.87	8A	100%	Chastain	0.10	N	Y	Y	N	N	N	N	N
31.87	31.93	28B	100%	Tarboro	0.06	N	N	N	N	Y	Y	N	N
31.93	31.95	2A	100%	Altavista	0.02	Prime	N	N	N	N	N	N	N
31.95	31.97	8A	100%	Chastain	0.01	N	Y	Y	N	N	N	N	N
31.97	31.99	2A	100%	Altavista	0.02	Prime	N	N	N	N	N	N	N
31.99	32.01	28B	100%	Tarboro	0.02	N	N	N	N	Y	Y	N	N
32.01	32.12	27A	100%	State	0.11	Prime	N	N	N	N	N	N	N
32.12	32.14	8A	100%	Chastain	0.02	N	Y	Y	N	N	N	N	N
32.14	32.26	27A	100%	State	0.12	Prime	N	N	N	N	N	N	N
32.26	32.28	8A	100%	Chastain	0.02	N	Y	Y	N	N	N	N	N
32.28	32.30	9A	100%	Chewacla	0.02	N	N	Y	N	N	N	N	N
32.30	32.33	8A	100%	Chastain	0.03	N	Y	Y	N	N	N	N	N
32.33	32.57	9A	100%	Chewacla	0.24	N	N	Y	N	N	N	N	N
32.57	32.61	8A	100%	Chastain	0.04	N	Y	Y	N	N	N	N	N
32.61	32.64	W	100%	Water	0.04	N	N	N	N	N	N	N	N
32.64	32.79	7A	100%	Chastain	0.15	N	Y	Y	N	N	N	N	N
32.79	32.94	27A	100%	State	0.15	Prime	N	N	N	N	N	N	N
32.94	33.05	28B	100%	Tarboro	0.10	N	N	N	N	Y	Y	N	N
33.05	33.07	25A	100%	Seabrook	0.03	N	N	N	N	Y	Y	N	N
33.07	33.12	15A	100%	Munden	0.04	Prime	N	N	N	Y	Y	N	N
33.12	33.18	25A	100%	Seabrook	0.06	N	N	N	N	Y	Y	N	N
33.18	33.22	28B	100%	Tarboro	0.04	N	N	N	N	Y	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
33.22	33.28	15B	100%	Munden	0.06	Prime	N	N	N	Y	Y	N	N
33.28	33.32	28B	100%	Tarboro	0.04	N	N	N	N	Y	Y	N	N
33.32	33.33	15A	100%	Munden	0.01	Prime	N	N	N	Y	Y	N	N
33.33	33.34	28B	100%	Tarboro	0.02	N	N	N	N	Y	Y	N	N
33.34	33.43	3A	100%	Augusta	0.08	Prime	N	N	N	N	N	N	N
33.43	33.46	15A	100%	Munden	0.03	Prime	N	N	N	Y	Y	N	N
33.46	33.53	3A	100%	Augusta	0.07	Prime	N	N	N	N	N	N	N
33.53	33.57	2A	100%	Altavista	0.04	Prime	N	N	N	N	N	N	N
33.57	33.63	19A	100%	Nimmo	0.06	Prime	Y	N	N	N	N	N	N
33.63	33.67	25A	100%	Seabrook	0.05	N	N	N	N	Y	Y	N	N
33.67	33.76	19A	100%	Nimmo	0.09	Prime	Y	N	N	N	N	N	N
33.76	33.78	15A	100%	Munden	0.02	Prime	N	N	N	Y	Y	N	N
33.78	33.87	25A	100%	Seabrook	0.09	N	N	N	N	Y	Y	N	N
33.87	33.97	19A	100%	Nimmo	0.10	Prime	Y	N	N	N	N	N	N
33.97	33.99	25A	100%	Seabrook	0.02	N	N	N	N	Y	Y	N	N
33.99	34.02	15A	100%	Munden	0.02	Prime	N	N	N	Y	Y	N	N
34.02	34.09	2B	100%	Altavista	0.08	Prime	N	N	N	N	N	N	N
34.09	34.16	29A	100%	Tomotley	0.06	Prime	Y	N	N	N	N	N	N
34.16	34.20	25A	100%	Seabrook	0.04	N	N	N	N	Y	Y	N	N
34.20	34.24	29A	100%	Tomotley	0.04	Prime	Y	N	N	N	N	N	N
34.24	34.32	15A	100%	Munden	0.09	Prime	N	N	N	Y	Y	N	N
34.32	34.34	29A	100%	Tomotley	0.02	Prime	Y	N	N	N	N	N	N
34.34	34.38	15A	100%	Munden	0.04	Prime	N	N	N	Y	Y	N	N
34.38	34.39	29A	100%	Tomotley	0.01	Prime	Y	N	N	N	N	N	N
34.39	34.45	19A	100%	Nimmo	0.06	Prime	Y	N	N	N	N	N	N
34.45	34.49	15A	100%	Munden	0.03	Prime	N	N	N	Y	Y	N	N
34.49	34.49	19A	100%	Nimmo	0.01	Prime	Y	N	N	N	N	N	N
34.49	34.56	29A	100%	Tomotley	0.07	Prime	Y	N	N	N	N	N	N
34.56	34.64	23A	100%	Roanoke	0.08	N	Y	Y	N	N	N	N	N
34.64	34.72	10A	100%	Craven	0.08	Prime	N	N	N	N	N	N	N
34.72	34.73	3A	100%	Augusta	0.01	Prime	N	N	N	N	N	N	N
34.73	34.95	23A	100%	Roanoke	0.22	N	Y	Y	N	N	N	N	N
34.95	35.02	2A	100%	Altavista	0.07	Prime	N	N	N	N	N	N	N
35.02	35.18	23A	100%	Roanoke	0.16	N	Y	Y	N	N	N	N	N
35.18	35.21	3A	100%	Augusta	0.03	Prime	N	N	N	N	N	N	N
35.21	35.23	2B	100%	Altavista	0.02	Prime	N	N	N	N	N	N	N
35.23	35.27	3A	100%	Augusta	0.04	Prime	N	N	N	N	N	N	N
35.27	35.32	29A	100%	Tomotley	0.04	Prime	Y	N	N	N	N	N	N
35.32	35.35	3A	100%	Augusta	0.03	Prime	N	N	N	N	N	N	N
35.35	35.44	23A	100%	Roanoke	0.10	N	Y	Y	N	N	N	N	N
35.44	35.82	29A	100%	Tomotley	0.38	Prime	Y	N	N	N	N	N	N
35.82	35.91	23A	100%	Roanoke	0.09	N	Y	Y	N	N	N	N	N
35.91	36.06	2A	100%	Altavista	0.14	Prime	N	N	N	N	N	N	N
36.06	36.15	23A	100%	Roanoke	0.10	N	Y	Y	N	N	N	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
36.15	36.24	2A	100%	Altavista	0.09	Prime	N	N	N	N	N	N	N
36.24	36.35	19A	100%	Nimmo	0.11	Prime	Y	N	N	N	N	N	N
36.35	36.45	5B	100%	Bojac	0.09	Prime	N	N	N	Y	Y	N	N
36.45	36.50	15A	100%	Munden	0.05	Prime	N	N	N	Y	Y	N	N
36.50	36.54	29A	100%	Tomotley	0.05	Prime	Y	N	N	N	N	N	N
36.54	36.57	3A	100%	Augusta	0.02	Prime	N	N	N	N	N	N	N
36.57	36.61	2A	100%	Altavista	0.04	Prime	N	N	N	N	N	N	N
36.61	36.63	3A	100%	Augusta	0.03	Prime	N	N	N	N	N	N	N
36.63	36.70	2A	100%	Altavista	0.07	Prime	N	N	N	N	N	N	N
36.70	36.78	27A	100%	State	0.08	Prime	N	N	N	N	N	N	N
36.78	36.81	26A	100%	Slagle	0.03	Prime	N	N	N	N	N	N	N
36.81	36.86	27A	100%	State	0.05	Prime	N	N	N	N	N	N	N
36.86	36.96	26A	100%	Slagle	0.10	Prime	N	N	N	N	N	N	N
36.96	36.99	2A	100%	Altavista	0.03	Prime	N	N	N	N	N	N	N
36.99	37.02	26A	100%	Slagle	0.03	Prime	N	N	N	N	N	N	N
37.02	37.08	16A	100%	Myatt	0.06	Prime	Y	Y	N	N	N	N	N
37.08	37.30	17A	100%	Nansemond	0.22	Prime	N	N	N	Y	Y	N	N
37.30	37.32	16A	100%	Myatt	0.02	Prime	Y	Y	N	N	N	N	N
37.32	37.37	21A	100%	Pactolus	0.05	N	N	N	N	Y	Y	N	N
37.37	37.39	1B	100%	Alaga	0.02	N	N	N	N	Y	Y	N	N
37.39	37.42	21A	100%	Pactolus	0.02	N	N	N	N	Y	Y	N	N
37.42	37.56	4A	100%	Bibb	0.14	N	Y	N	N	N	N	N	N
37.56	37.82	21A	100%	Pactolus	0.26	N	N	N	N	Y	Y	N	N
37.82	37.88	16A	100%	Myatt	0.07	Prime	Y	Y	N	N	N	N	N
37.88	37.91	17A	100%	Nansemond	0.03	Prime	N	N	N	Y	Y	N	N
37.91	37.95	16A	100%	Myatt	0.04	Prime	Y	Y	N	N	N	N	N
37.95	37.96	17A	100%	Nansemond	0.02	Prime	N	N	N	Y	Y	N	N
37.96	38.08	21A	100%	Pactolus	0.12	N	N	N	N	Y	Y	N	N
38.08	38.23	4A	100%	Bibb	0.15	N	Y	N	N	N	N	N	N
38.23	38.37	22A	100%	Riverview	0.13	N	N	N	N	N	Y	N	N
38.37	38.40	4A	100%	Bibb	0.03	N	Y	N	N	N	N	N	N
38.40	38.42	21A	100%	Pactolus	0.03	N	N	N	N	Y	Y	N	N
38.42	38.58	4A	100%	Bibb	0.16	N	Y	N	N	N	N	N	N
City of Suffolk, VA													
38.58	38.58	4A	100%	Bibb	<0.01	N	Y	N	N	N	N	N	N
38.58	38.61	W	100%	Water	0.02	N	N	N	N	N	N	N	N
38.61	38.62	W	100%	Water	0.01	N	N	N	N	N	N	N	N
38.62	38.66	13	100%	Levy	0.03	N	Y	Y	N	N	N	N	N
38.66	38.68	15D	100%	Nansemond	0.02	N	N	N	Y	Y	Y	N	N
38.68	38.71	12	100%	Kenansville	0.03	N	N	N	N	Y	Y	N	N
38.71	39.10	23A	100%	Tetotum	0.39	Prime	N	N	N	N	N	N	N
39.10	39.15	24	100%	Tomotley	0.05	Prime	Y	Y	N	N	N	N	N
39.15	39.19	6	100%	Dragston	0.03	Prime	N	N	N	N	N	N	N
39.19	39.25	11	100%	Kenansville	0.07	N	N	N	N	Y	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
39.25	39.29	6	100%	Dragston	0.03	Prime	N	N	N	N	N	N	N
39.29	39.36	8A	100%	Eunola	0.07	Prime	N	N	N	Y	Y	N	N
39.36	39.47	16A	100%	Nansemond	0.11	Prime	N	N	N	N	N	N	N
39.47	39.54	29	100%	Weston	0.07	Prime	Y	N	N	N	N	N	N
39.54	39.57	14	100%	Lynchburg	0.03	Prime	N	N	N	N	N	N	N
39.57	39.59	29	100%	Weston	0.02	Prime	Y	N	N	N	N	N	N
39.59	39.59	11	100%	Kenansville	0.01	N	N	N	N	Y	Y	N	N
39.59	39.62	16A	100%	Nansemond	0.03	Prime	N	N	N	N	N	N	N
39.62	39.67	11	100%	Kenansville	0.05	N	N	N	N	Y	Y	N	N
39.67	39.75	6	100%	Dragston	0.08	Prime	N	N	N	N	N	N	N
39.75	39.78	29	100%	Weston	0.03	Prime	Y	N	N	N	N	N	N
39.78	39.79	22A	100%	Suffolk	0.01	State	N	N	N	Y	Y	N	N
39.79	39.81	16A	100%	Nansemond	0.03	Prime	N	N	N	N	N	N	N
39.81	39.86	22A	100%	Suffolk	0.04	State	N	N	N	Y	Y	N	N
39.86	39.89	16A	100%	Nansemond	0.04	Prime	N	N	N	N	N	N	N
39.89	39.91	19	100%	Rains	0.02	Prime	Y	N	N	N	N	N	N
39.91	39.97	8A	100%	Eunola	0.06	Prime	N	N	N	Y	Y	N	N
39.97	40.13	19	100%	Rains	0.17	Prime	Y	N	N	N	N	N	N
40.13	40.16	8A	100%	Eunola	0.02	Prime	N	N	N	Y	Y	N	N
40.16	40.24	19	100%	Rains	0.08	Prime	Y	N	N	N	N	N	N
40.24	40.26	8A	100%	Eunola	0.02	Prime	N	N	N	Y	Y	N	N
40.26	40.37	22B	100%	Suffolk	0.12	State	N	N	N	Y	Y	N	N
40.37	40.85	8A	100%	Eunola	0.48	Prime	N	N	N	Y	Y	N	N
40.85	40.85	9B2	100%	Goldsboro	<0.01	Prime	N	N	N	N	N	N	N
40.85	40.91	22A	100%	Suffolk	0.06	State	N	N	N	Y	Y	N	N
40.91	40.94	9A	100%	Goldsboro	0.04	Prime	N	N	N	N	N	N	N
40.94	41.24	9B2	100%	Goldsboro	0.31	Prime	N	N	N	N	N	N	N
41.24	41.28	13	100%	Levy	0.04	N	Y	Y	N	N	N	N	N
41.28	41.38	9A	100%	Goldsboro	0.11	Prime	N	N	N	N	N	N	N
41.38	41.41	9B2	100%	Goldsboro	0.03	Prime	N	N	N	N	N	N	N
41.41	41.47	15D	100%	Nansemond	0.06	N	N	N	Y	Y	Y	N	N
41.47	41.98	9B2	100%	Goldsboro	0.53	Prime	N	N	N	N	N	N	N
41.98	42.02	8A	100%	Eunola	0.05	Prime	N	N	N	Y	Y	N	N
42.02	42.10	9B2	100%	Goldsboro	0.08	Prime	N	N	N	N	N	N	N
42.10	42.16	8A	100%	Eunola	0.06	Prime	N	N	N	Y	Y	N	N
42.16	42.26	9B2	100%	Goldsboro	0.09	Prime	N	N	N	N	N	N	N
42.26	42.33	13	100%	Levy	0.08	N	Y	Y	N	N	N	N	N
42.33	42.39	15D	100%	Nansemond	0.06	N	N	N	Y	Y	Y	N	N
42.39	42.51	7B2	100%	Emporia	0.11	Prime	N	N	N	N	N	N	N
42.51	42.60	9A	100%	Goldsboro	0.09	Prime	N	N	N	N	N	N	N
42.60	42.73	15D	100%	Nansemond	0.13	N	N	N	Y	Y	Y	N	N
42.73	42.80	9B2	100%	Goldsboro	0.08	Prime	N	N	N	N	N	N	N
42.80	42.89	5B2	100%	Dogue	0.09	Prime	N	N	N	N	N	N	N
42.89	43.07	8A	100%	Eunola	0.18	Prime	N	N	N	Y	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
43.07	43.10	9B2	100%	Goldsboro	0.03	Prime	N	N	N	N	N	N	N
43.10	43.20	14	100%	Lynchburg	0.10	Prime	N	N	N	N	N	N	N
43.20	43.32	19	100%	Rains	0.13	Prime	Y	N	N	N	N	N	N
43.32	43.35	14	100%	Lynchburg	0.02	Prime	N	N	N	N	N	N	N
43.35	43.41	9A	100%	Goldsboro	0.07	Prime	N	N	N	N	N	N	N
43.41	43.48	19	100%	Rains	0.07	Prime	Y	N	N	N	N	N	N
43.48	43.62	15B	100%	Nansemond	0.14	N	N	N	N	Y	Y	N	N
43.62	43.65	11	100%	Kenansville	0.02	N	N	N	N	Y	Y	N	N
43.65	43.71	19	100%	Rains	0.06	Prime	Y	N	N	N	N	N	N
43.71	43.83	16A	100%	Nansemond	0.12	Prime	N	N	N	N	N	N	N
43.83	44.05	19	100%	Rains	0.23	Prime	Y	N	N	N	N	N	N
44.05	44.09	15D	100%	Nansemond	0.05	N	N	N	Y	Y	Y	N	N
44.09	44.14	22B	100%	Suffolk	0.05	State	N	N	N	Y	Y	N	N
44.14	44.18	15D	100%	Nansemond	0.03	N	N	N	Y	Y	Y	N	N
44.18	44.24	13	100%	Levy	0.07	N	Y	Y	N	N	N	N	N
44.24	44.28	15D	100%	Nansemond	0.05	N	N	N	Y	Y	Y	N	N
44.28	44.33	14	100%	Lynchburg	0.05	Prime	N	N	N	N	N	N	N
44.33	44.41	8A	100%	Eunola	0.08	Prime	N	N	N	Y	Y	N	N
44.41	44.47	11	100%	Kenansville	0.06	N	N	N	N	Y	Y	N	N
44.47	44.54	14	100%	Lynchburg	0.07	Prime	N	N	N	N	N	N	N
44.54	44.55	15B	100%	Nansemond	0.01	N	N	N	N	Y	Y	N	N
44.55	44.64	19	100%	Rains	0.10	Prime	Y	N	N	N	N	N	N
44.64	44.72	5B2	100%	Dogue	0.08	Prime	N	N	N	N	N	N	N
44.72	44.76	14	100%	Lynchburg	0.04	Prime	N	N	N	N	N	N	N
44.76	44.78	9B2	100%	Goldsboro	0.02	Prime	N	N	N	N	N	N	N
44.78	44.84	14	100%	Lynchburg	0.06	Prime	N	N	N	N	N	N	N
44.84	45.08	8A	100%	Eunola	0.25	Prime	N	N	N	Y	Y	N	N
45.08	45.10	9B2	100%	Goldsboro	0.02	Prime	N	N	N	N	N	N	N
45.10	45.18	19	100%	Rains	0.08	Prime	Y	N	N	N	N	N	N
45.18	45.29	9B2	100%	Goldsboro	0.11	Prime	N	N	N	N	N	N	N
45.29	45.32	6	100%	Dragston	0.03	Prime	N	N	N	N	N	N	N
45.32	45.36	19	100%	Rains	0.04	Prime	Y	N	N	N	N	N	N
45.36	45.47	6	100%	Dragston	0.11	Prime	N	N	N	N	N	N	N
45.47	45.48	19	100%	Rains	0.01	Prime	Y	N	N	N	N	N	N
45.48	45.51	16A	100%	Nansemond	0.03	Prime	N	N	N	N	N	N	N
45.51	45.67	19	100%	Rains	0.17	Prime	Y	N	N	N	N	N	N
45.67	45.82	16A	100%	Nansemond	0.16	Prime	N	N	N	N	N	N	N
45.82	45.87	6	100%	Dragston	0.05	Prime	N	N	N	N	N	N	N
45.87	45.98	8A	100%	Eunola	0.11	Prime	N	N	N	Y	Y	N	N
45.98	46.03	14	100%	Lynchburg	0.06	Prime	N	N	N	N	N	N	N
46.03	46.05	8A	100%	Eunola	0.02	Prime	N	N	N	Y	Y	N	N
46.05	46.10	19	100%	Rains	0.04	Prime	Y	N	N	N	N	N	N
46.10	46.15	14	100%	Lynchburg	0.05	Prime	N	N	N	N	N	N	N
46.15	48.03	19	100%	Rains	1.90	Prime	Y	N	N	N	N	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
48.03	48.07	14	100%	Lynchburg	0.04	Prime	N	N	N	N	N	N	N
48.07	48.11	19	100%	Rains	0.04	Prime	Y	N	N	N	N	N	N
48.11	48.20	14	100%	Lynchburg	0.10	Prime	N	N	N	N	N	N	N
48.20	48.61	19	100%	Rains	0.41	Prime	Y	N	N	N	N	N	N
48.61	48.77	8A	100%	Eunola	0.16	Prime	N	N	N	Y	Y	N	N
48.77	48.79	22B	100%	Suffolk	0.03	State	N	N	N	Y	Y	N	N
48.79	48.86	11	100%	Kenansville	0.07	N	N	N	N	Y	Y	N	N
48.86	48.92	8A	100%	Eunola	0.05	Prime	N	N	N	Y	Y	N	N
48.92	48.98	22B	100%	Suffolk	0.06	State	N	N	N	Y	Y	N	N
48.98	49.06	11	100%	Kenansville	0.09	N	N	N	N	Y	Y	N	N
49.06	49.12	14	100%	Lynchburg	0.05	Prime	N	N	N	N	N	N	N
49.12	49.25	11	100%	Kenansville	0.13	N	N	N	N	Y	Y	N	N
49.25	49.28	19	100%	Rains	0.03	Prime	Y	N	N	N	N	N	N
49.28	49.63	13	100%	Levy	0.35	N	Y	Y	N	N	N	N	N
49.63	49.66	15E	100%	Nansemond	0.03	N	N	N	Y	Y	Y	N	N
49.66	49.69	13	100%	Levy	0.03	N	Y	Y	N	N	N	N	N
49.69	49.91	15E	100%	Nansemond	0.22	N	N	N	Y	Y	Y	N	N
49.91	49.93	11	100%	Kenansville	0.02	N	N	N	N	Y	Y	N	N
49.93	50.12	15E	100%	Nansemond	0.20	N	N	N	Y	Y	Y	N	N
50.12	50.27	13	100%	Levy	0.16	N	Y	Y	N	N	N	N	N
50.27	50.29	15D	100%	Nansemond	0.02	N	N	N	Y	Y	Y	N	N
50.29	50.34	9B2	100%	Goldsboro	0.05	Prime	N	N	N	N	N	N	N
50.34	50.37	7B2	100%	Emporia	0.03	Prime	N	N	N	N	N	N	N
50.37	50.48	5B2	100%	Dogue	0.13	Prime	N	N	N	N	N	N	N
50.48	50.51	15D	100%	Nansemond	0.03	N	N	N	Y	Y	Y	N	N
50.51	50.56	8A	100%	Eunola	0.05	Prime	N	N	N	Y	Y	N	N
50.56	50.59	15D	100%	Nansemond	0.03	N	N	N	Y	Y	Y	N	N
50.59	50.65	8A	100%	Eunola	0.06	Prime	N	N	N	Y	Y	N	N
50.65	51.23	19	100%	Rains	0.64	Prime	Y	N	N	N	N	N	N
51.23	51.34	14	100%	Lynchburg	0.13	Prime	N	N	N	N	N	N	N
51.34	51.39	15D	100%	Nansemond	0.05	N	N	N	Y	Y	Y	N	N
51.39	51.48	13	100%	Levy	0.10	N	Y	Y	N	N	N	N	N
51.48	51.67	22A	100%	Suffolk	0.22	State	N	N	N	Y	Y	N	N
51.67	52.05	8A	100%	Eunola	0.43	Prime	N	N	N	Y	Y	N	N
52.05	52.10	22B	100%	Suffolk	0.04	State	N	N	N	Y	Y	N	N
52.10	52.12	19	100%	Rains	0.03	Prime	Y	N	N	N	N	N	N
52.12	52.18	22B	100%	Suffolk	0.05	State	N	N	N	Y	Y	N	N
52.18	52.20	8A	100%	Eunola	0.02	Prime	N	N	N	Y	Y	N	N
52.20	52.26	22B	100%	Suffolk	0.06	State	N	N	N	Y	Y	N	N
52.26	52.35	19	100%	Rains	0.09	Prime	Y	N	N	N	N	N	N
52.35	52.53	8A	100%	Eunola	0.19	Prime	N	N	N	Y	Y	N	N
52.53	53.62	19	100%	Rains	1.06	Prime	Y	N	N	N	N	N	N
53.62	53.78	14	100%	Lynchburg	0.16	Prime	N	N	N	N	N	N	N
53.78	53.78	19	100%	Rains	<0.01	Prime	Y	N	N	N	N	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
53.78	53.82	14	100%	Lynchburg	0.04	Prime	N	N	N	N	N	N	N
53.82	53.90	8A	100%	Eunola	0.07	Prime	N	N	N	Y	Y	N	N
53.90	54.12	14	100%	Lynchburg	0.22	Prime	N	N	N	N	N	N	N
54.12	54.32	8A	100%	Eunola	0.20	Prime	N	N	N	Y	Y	N	N
54.32	54.55	14	100%	Lynchburg	0.23	Prime	N	N	N	N	N	N	N
54.55	54.67	19	100%	Rains	0.12	Prime	Y	N	N	N	N	N	N
54.67	54.73	14	100%	Lynchburg	0.06	Prime	N	N	N	N	N	N	N
54.73	54.82	8A	100%	Eunola	0.10	Prime	N	N	N	Y	Y	N	N
54.82	54.90	22A	100%	Suffolk	0.08	State	N	N	N	Y	Y	N	N
54.90	54.95	8A	100%	Eunola	0.05	Prime	N	N	N	Y	Y	N	N
54.95	55.25	14	100%	Lynchburg	0.31	Prime	N	N	N	N	N	N	N
55.25	55.30	8A	100%	Eunola	0.05	Prime	N	N	N	Y	Y	N	N
55.30	55.32	19	100%	Rains	0.02	Prime	Y	N	N	N	N	N	N
55.32	55.36	22B	100%	Suffolk	0.04	State	N	N	N	Y	Y	N	N
55.36	55.39	19	100%	Rains	0.03	Prime	Y	N	N	N	N	N	N
55.39	55.42	22B	100%	Suffolk	0.03	State	N	N	N	Y	Y	N	N
55.42	55.60	8A	100%	Eunola	0.18	Prime	N	N	N	Y	Y	N	N
55.60	55.67	6	100%	Dragston	0.07	Prime	N	N	N	N	N	N	N
55.67	55.70	8A	100%	Eunola	0.03	Prime	N	N	N	Y	Y	N	N
55.70	55.76	6	100%	Dragston	0.06	Prime	N	N	N	N	N	N	N
55.76	55.84	22A	100%	Suffolk	0.08	State	N	N	N	Y	Y	N	N
55.84	56.09	11	100%	Kenansville	0.25	N	N	N	N	Y	Y	N	N
56.09	56.24	13	100%	Levy	0.14	N	Y	Y	N	N	N	N	N
56.24	56.26	15E	100%	Nansemond	0.02	N	N	N	Y	Y	Y	N	N
56.26	56.29	13	100%	Levy	0.03	N	Y	Y	N	N	N	N	N
56.29	56.51	15E	100%	Nansemond	0.22	N	N	N	Y	Y	Y	N	N
56.51	56.61	11	100%	Kenansville	0.10	N	N	N	N	Y	Y	N	N
56.61	56.66	15E	100%	Nansemond	0.06	N	N	N	Y	Y	Y	N	N
56.66	56.74	11	100%	Kenansville	0.08	N	N	N	N	Y	Y	N	N
56.74	56.81	8A	100%	Eunola	0.07	Prime	N	N	N	Y	Y	N	N
56.81	56.86	14	100%	Lynchburg	0.06	Prime	N	N	N	N	N	N	N
56.86	56.91	19	100%	Rains	0.05	Prime	Y	N	N	N	N	N	N
56.91	57.08	14	100%	Lynchburg	0.17	Prime	N	N	N	N	N	N	N
57.08	57.16	8A	100%	Eunola	0.08	Prime	N	N	N	Y	Y	N	N
57.16	57.19	22A	100%	Suffolk	0.03	State	N	N	N	Y	Y	N	N
57.19	57.24	8A	100%	Eunola	0.05	Prime	N	N	N	Y	Y	N	N
57.24	57.31	22A	100%	Suffolk	0.07	State	N	N	N	Y	Y	N	N
57.31	57.35	22B	100%	Suffolk	0.03	State	N	N	N	Y	Y	N	N
57.35	57.38	8A	100%	Eunola	0.03	Prime	N	N	N	Y	Y	N	N
57.38	57.43	19	100%	Rains	0.05	Prime	Y	N	N	N	N	N	N
57.43	57.50	11	100%	Kenansville	0.07	N	N	N	N	Y	Y	N	N
57.50	57.55	19	100%	Rains	0.05	Prime	Y	N	N	N	N	N	N
57.55	57.56	11	100%	Kenansville	0.01	N	N	N	N	Y	Y	N	N
57.56	57.61	13	100%	Levy	0.06	N	Y	Y	N	N	N	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
57.61	57.66	15E	100%	Nansemond	0.05	N	N	N	Y	Y	Y	N	N
57.66	57.70	11	100%	Kenansville	0.04	N	N	N	N	Y	Y	N	N
57.70	57.76	22A	100%	Suffolk	0.05	State	N	N	N	Y	Y	N	N
57.76	57.83	11	100%	Kenansville	0.07	N	N	N	N	Y	Y	N	N
57.83	57.86	15E	100%	Nansemond	0.03	N	N	N	Y	Y	Y	N	N
57.86	58.14	19	100%	Rains	0.29	Prime	Y	N	N	N	N	N	N
58.14	58.29	11	100%	Kenansville	0.16	N	N	N	N	Y	Y	N	N
58.29	58.36	22A	100%	Suffolk	0.07	State	N	N	N	Y	Y	N	N
58.36	58.43	19	100%	Rains	0.07	Prime	Y	N	N	N	N	N	N
58.43	58.72	11	100%	Kenansville	0.29	N	N	N	N	Y	Y	N	N
58.72	58.79	8A	100%	Eunola	0.07	Prime	N	N	N	Y	Y	N	N
58.79	59.07	14	100%	Lynchburg	0.29	Prime	N	N	N	N	N	N	N
59.07	59.32	9A	100%	Goldsboro	0.28	Prime	N	N	N	N	N	N	N
59.32	59.35	15E	100%	Nansemond	0.03	N	N	N	Y	Y	Y	N	N
59.35	59.38	9A	100%	Goldsboro	0.04	Prime	N	N	N	N	N	N	N
59.38	59.44	15E	100%	Nansemond	0.06	N	N	N	Y	Y	Y	N	N
59.44	59.51	11	100%	Kenansville	0.08	N	N	N	N	Y	Y	N	N
59.51	59.52	15E	100%	Nansemond	0.01	N	N	N	Y	Y	Y	N	N
59.52	59.70	11	100%	Kenansville	0.19	N	N	N	N	Y	Y	N	N
59.70	59.79	8A	100%	Eunola	0.08	Prime	N	N	N	Y	Y	N	N
59.79	59.82	22A	100%	Suffolk	0.03	State	N	N	N	Y	Y	N	N
59.82	59.92	8A	100%	Eunola	0.10	Prime	N	N	N	Y	Y	N	N
59.92	60.02	11	100%	Kenansville	0.10	N	N	N	N	Y	Y	N	N
60.02	60.08	19	100%	Rains	0.06	Prime	Y	N	N	N	N	N	N
60.08	60.14	11	100%	Kenansville	0.05	N	N	N	N	Y	Y	N	N
60.14	60.25	22A	100%	Suffolk	0.11	State	N	N	N	Y	Y	N	N
60.25	60.44	11	100%	Kenansville	0.18	N	N	N	N	Y	Y	N	N
60.44	60.51	15E	100%	Nansemond	0.07	N	N	N	Y	Y	Y	N	N
60.51	60.62	11	100%	Kenansville	0.11	N	N	N	N	Y	Y	N	N
60.62	60.72	22A	100%	Suffolk	0.10	State	N	N	N	Y	Y	N	N
60.72	60.74	15E	100%	Nansemond	0.02	N	N	N	Y	Y	Y	N	N
60.74	60.91	22B	100%	Suffolk	0.17	State	N	N	N	Y	Y	N	N
60.91	61.01	15E	100%	Nansemond	0.10	N	N	N	Y	Y	Y	N	N
61.01	61.04	W	100%	Water	0.03	N	N	N	N	N	N	N	N
61.04	61.08	15E	100%	Nansemond	0.03	N	N	N	Y	Y	Y	N	N
61.08	61.11	W	100%	Water	0.03	N	N	N	N	N	N	N	N
61.11	61.20	15E	100%	Nansemond	0.09	N	N	N	Y	Y	Y	N	N
61.20	61.62	11	100%	Kenansville	0.42	N	N	N	N	Y	Y	N	N
61.62	61.69	15E	100%	Nansemond	0.07	N	N	N	Y	Y	Y	N	N
61.69	61.75	11	100%	Kenansville	0.06	N	N	N	N	Y	Y	N	N
61.75	61.84	15E	100%	Nansemond	0.09	N	N	N	Y	Y	Y	N	N
61.84	61.89	11	100%	Kenansville	0.05	N	N	N	N	Y	Y	N	N
61.89	61.98	22A	100%	Suffolk	0.09	State	N	N	N	Y	Y	N	N
61.98	62.37	11	100%	Kenansville	0.40	N	N	N	N	Y	Y	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
62.37	62.42	15E	100%	Nansemond	0.05	N	N	N	Y	Y	Y	N	N
62.42	62.48	W	100%	Water	0.05	N	N	N	N	N	N	N	N
62.48	62.52	15E	100%	Nansemond	0.04	N	N	N	Y	Y	Y	N	N
62.52	62.55	22B	100%	Suffolk	0.03	State	N	N	N	Y	Y	N	N
62.55	62.58	15E	100%	Nansemond	0.03	N	N	N	Y	Y	Y	N	N
62.58	62.69	22B	100%	Suffolk	0.12	State	N	N	N	Y	Y	N	N
62.69	62.74	15E	100%	Nansemond	0.05	N	N	N	Y	Y	Y	N	N
62.74	62.87	22A	100%	Suffolk	0.13	State	N	N	N	Y	Y	N	N
62.87	62.93	22B	100%	Suffolk	0.06	State	N	N	N	Y	Y	N	N
62.93	62.99	15E	100%	Nansemond	0.06	N	N	N	Y	Y	Y	N	N
62.99	63.17	22B	100%	Suffolk	0.18	State	N	N	N	Y	Y	N	N
63.17	63.28	7A	100%	Emporia	0.11	Prime	N	N	N	N	N	N	N
63.28	63.40	11	100%	Kenansville	0.12	N	N	N	N	Y	Y	N	N
63.40	63.50	22B	100%	Suffolk	0.10	State	N	N	N	Y	Y	N	N
63.50	63.54	11	100%	Kenansville	0.04	N	N	N	N	Y	Y	N	N
63.54	63.60	15E	100%	Nansemond	0.06	N	N	N	Y	Y	Y	N	N
63.60	63.63	W	100%	Water	0.02	N	N	N	N	N	N	N	N
63.63	64.00	3	100%	Bohicket	0.38	N	Y	Y	N	N	N	N	N
64.00	64.06	15E	100%	Nansemond	0.06	N	N	N	Y	Y	Y	N	N
64.06	64.25	12	100%	Kenansville	0.19	N	N	N	N	Y	Y	N	N
64.25	64.28	15E	100%	Nansemond	0.03	N	N	N	Y	Y	Y	N	N
64.28	64.30	3	100%	Bohicket	0.02	N	Y	Y	N	N	N	N	N
64.30	64.32	15E	100%	Nansemond	0.02	N	N	N	Y	Y	Y	N	N
64.32	64.36	3	100%	Bohicket	0.04	N	Y	Y	N	N	N	N	N
64.36	64.79	W	100%	Water	0.44	N	N	N	N	N	N	N	N
64.79	64.88	3	100%	Bohicket	0.09	N	Y	Y	N	N	N	N	N
64.88	64.91	15E	100%	Nansemond	0.03	N	N	N	Y	Y	Y	N	N
64.91	65.22	12	100%	Kenansville	0.30	N	N	N	N	Y	Y	N	N
65.22	65.23	15E	100%	Nansemond	0.01	N	N	N	Y	Y	Y	N	N
65.23	65.25	16A	100%	Nansemond	0.02	Prime	N	N	N	N	N	N	N
65.25	65.27	15E	100%	Nansemond	0.02	N	N	N	Y	Y	Y	N	N
65.27	65.33	16A	100%	Nansemond	0.06	Prime	N	N	N	N	N	N	N
65.33	65.38	12	100%	Kenansville	0.05	N	N	N	N	Y	Y	N	N
65.38	65.43	23B	100%	Tetotum	0.05	Prime	N	N	N	N	N	N	N
65.43	65.48	16A	100%	Nansemond	0.05	Prime	N	N	N	N	N	N	N
65.48	65.55	6	100%	Dragston	0.07	Prime	N	N	N	N	N	N	N
65.55	65.57	16A	100%	Nansemond	0.02	Prime	N	N	N	N	N	N	N
65.57	65.65	15E	100%	Nansemond	0.08	N	N	N	Y	Y	Y	N	N
65.65	65.79	16A	100%	Nansemond	0.15	Prime	N	N	N	N	N	N	N
65.79	65.89	15E	100%	Nansemond	0.09	N	N	N	Y	Y	Y	N	N
65.89	65.91	16A	100%	Nansemond	0.03	Prime	N	N	N	N	N	N	N
65.91	66.00	6	100%	Dragston	0.09	Prime	N	N	N	N	N	N	N
66.00	66.81	24	100%	Tomotley	0.81	Prime	Y	Y	N	N	N	N	N
66.81	67.72	25	100%	Torhunta	0.92	N	Y	Y	N	N	N	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
67.72	67.77	4	100%	Deloss	0.05	Prime	Y	Y	N	N	N	N	N
67.77	68.20	25	100%	Torhunta	0.45	N	Y	Y	N	N	N	N	N
68.20	68.49	4	100%	Deloss	0.32	Prime	Y	Y	N	N	N	N	N
68.49	68.90	2	100%	Belhaven	0.45	N	Y	N	N	Y	N	N	N
68.90	69.27	4	100%	Deloss	0.38	Prime	Y	Y	N	N	N	N	N
69.27	69.65	2	100%	Belhaven	0.38	N	Y	N	N	Y	N	N	N
69.65	70.30	25	100%	Torhunta	0.64	N	Y	Y	N	N	N	N	N
70.30	70.59	4	100%	Deloss	0.30	Prime	Y	Y	N	N	N	N	N
70.59	71.39	25	100%	Torhunta	0.78	N	Y	Y	N	N	N	N	N
71.39	71.40	43	42%	Deloss	<0.01	Prime	Y	N	N	N	N	N	N
			58%	Tomotley	<0.01	Prime	Y	N	N	N	N	N	N
City of Chesapeake, VA													
71.40	71.48	43	42%	Deloss	0.03	Prime	Y	N	N	N	N	N	N
			58%	Tomotley	0.05	Prime	Y	N	N	N	N	N	N
71.48	71.72	49	26%	Urban Land	0.06	N	N	N	N	N	N	N	N
			74%	Udorthents	0.17	N	N	N	Y	N	N	N	N
71.72	72.60	43	42%	Deloss	0.37	Prime	Y	N	N	N	N	N	N
			58%	Tomotley	0.51	Prime	Y	N	N	N	N	N	N
72.60	73.04	36	39%	Belhaven	0.17	N	Y	N	N	Y	N	N	N
			61%	Pungo	0.27	N	Y	N	N	N	N	N	N
73.04	73.12	43	42%	Deloss	0.03	Prime	Y	N	N	N	N	N	N
			58%	Tomotley	0.05	Prime	Y	N	N	N	N	N	N
73.12	73.16	36	39%	Belhaven	0.02	N	Y	N	N	Y	N	N	N
			61%	Pungo	0.02	N	Y	N	N	N	N	N	N
73.16	73.21	43	42%	Deloss	0.02	Prime	Y	N	N	N	N	N	N
			58%	Tomotley	0.03	Prime	Y	N	N	N	N	N	N
73.21	73.30	36	39%	Belhaven	0.04	N	Y	N	N	Y	N	N	N
			61%	Pungo	0.06	N	Y	N	N	N	N	N	N
73.30	73.60	43	42%	Deloss	0.12	Prime	Y	N	N	N	N	N	N
			58%	Tomotley	0.17	Prime	Y	N	N	N	N	N	N
73.60	73.63	36	39%	Belhaven	0.01	N	Y	N	N	Y	N	N	N
			61%	Pungo	0.02	N	Y	N	N	N	N	N	N
73.63	73.98	43	42%	Deloss	0.15	Prime	Y	N	N	N	N	N	N
			58%	Tomotley	0.20	Prime	Y	N	N	N	N	N	N
73.98	74.02	36	39%	Belhaven	0.02	N	Y	N	N	Y	N	N	N
			61%	Pungo	0.03	N	Y	N	N	N	N	N	N
74.02	74.04	43	42%	Deloss	0.01	Prime	Y	N	N	N	N	N	N
			58%	Tomotley	0.01	Prime	Y	N	N	N	N	N	N
74.04	74.06	34	100%	Portsmouth	0.01	Prime	Y	N	N	N	N	N	N
74.06	74.16	43	42%	Deloss	0.04	Prime	Y	N	N	N	N	N	N
			58%	Tomotley	0.06	Prime	Y	N	N	N	N	N	N
74.16	74.19	36	39%	Belhaven	0.01	N	Y	N	N	Y	N	N	N
			61%	Pungo	0.02	N	Y	N	N	N	N	N	N
74.19	74.32	34	100%	Portsmouth	0.12	Prime	Y	N	N	N	N	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
74.32	74.35	36	39%	Belhaven	0.01	N	Y	N	N	Y	N	N	N
			61%	Pungo	0.02	N	Y	N	N	N	N	N	N
74.35	74.36	6	100%	Arapahoe	0.01	Prime	Y	N	N	N	N	N	N
74.36	74.40	34	100%	Portsmouth	0.04	Prime	Y	N	N	N	N	N	N
74.40	74.45	6	100%	Arapahoe	0.05	Prime	Y	N	N	N	N	N	N
74.45	74.48	34	100%	Portsmouth	0.04	Prime	Y	N	N	N	N	N	N
74.48	74.48	6	100%	Arapahoe	<0.01	Prime	Y	N	N	N	N	N	N
74.48	74.55	34	100%	Portsmouth	0.07	Prime	Y	N	N	N	N	N	N
74.55	74.70	6	100%	Arapahoe	0.15	Prime	Y	N	N	N	N	N	N
74.70	74.80	15	100%	Deloss	0.10	Prime	Y	N	N	N	N	N	N
74.80	75.09	6	100%	Arapahoe	0.29	Prime	Y	N	N	N	N	N	N
75.09	75.31	45	20%	Nimmo	0.04	Prime	Y	N	N	N	N	N	N
			80%	Tomotley	0.17	Prime	Y	N	N	N	N	N	N
75.31	75.39	24	100%	Hyde	0.08	Prime	Y	Y	N	N	N	N	N
75.39	75.44	6	100%	Arapahoe	0.05	Prime	Y	N	N	N	N	N	N
75.44	75.92	34	100%	Portsmouth	0.48	Prime	Y	N	N	N	N	N	N
75.92	75.96	6	100%	Arapahoe	0.03	Prime	Y	N	N	N	N	N	N
75.96	76.01	43	42%	Deloss	0.02	Prime	Y	N	N	N	N	N	N
			58%	Tomotley	0.03	Prime	Y	N	N	N	N	N	N
76.01	76.01	6	100%	Arapahoe	<0.01	Prime	Y	N	N	N	N	N	N
76.01	76.02	6	100%	Arapahoe	0.01	Prime	Y	N	N	N	N	N	N
76.02	76.43	6	100%	Arapahoe	0.45	Prime	Y	N	N	N	N	N	N
76.43	76.50	45	20%	Nimmo	0.01	Prime	Y	N	N	N	N	N	N
			80%	Tomotley	0.06	Prime	Y	N	N	N	N	N	N
76.50	76.71	6	100%	Arapahoe	0.23	Prime	Y	N	N	N	N	N	N
76.71	76.75	45	20%	Nimmo	0.01	Prime	Y	N	N	N	N	N	N
			80%	Tomotley	0.03	Prime	Y	N	N	N	N	N	N
76.75	76.77	6	100%	Arapahoe	0.02	Prime	Y	N	N	N	N	N	N
76.77	76.85	31	100%	Pactolus	0.08	N	N	N	N	Y	Y	N	N
76.85	76.90	43	42%	Deloss	0.02	Prime	Y	N	N	N	N	N	N
			58%	Tomotley	0.03	Prime	Y	N	N	N	N	N	N
76.90	76.90	31	100%	Pactolus	<0.01	N	N	N	N	Y	Y	N	N
	76.91	43	42%	Deloss	0.01	Prime	Y	N	N	N	N	N	N
			58%	Tomotley	0.01	Prime	Y	N	N	N	N	N	N
76.91	77.00	53	100%	Wando	0.08	N	N	N	N	Y	Y	N	N
77.00	77.04	31	100%	Pactolus	0.04	N	N	N	N	Y	Y	N	N
77.04	77.23	53	100%	Wando	0.19	N	N	N	N	Y	Y	N	N
77.23	77.26	49	26%	Urban Land	0.01	N	N	N	N	N	N	N	N
			74%	Udorthents	0.02	N	N	N	Y	N	N	N	N
77.26	77.34	53	100%	Wando	0.07	N	N	N	N	Y	Y	N	N
77.34	77.36	30	100%	Nawney	0.03	N	Y	N	N	N	N	N	N
77.36	77.39	31	100%	Pactolus	0.03	N	N	N	N	Y	Y	N	N
77.39	77.44	20	26%	Tomotley	0.01	Prime	Y	N	N	N	N	N	N
			74%	Dragston	0.03	Prime	N	N	N	N	N	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
77.44	77.55	38	100%	Tetotum	0.11	Prime	N	N	N	N	N	N	N
77.55	77.66	20	26%	Tomotley	0.03	Prime	Y	N	N	N	N	N	N
			74%	Dragston	0.08	Prime	N	N	N	N	N	N	N
77.66	77.74	47	26%	Bertie	0.02	N	N	N	N	N	N	N	N
			32%	Urban Land	0.02	N	N	N	N	N	N	N	N
			42%	Tomotley	0.03	N	Y	N	N	N	N	N	N
77.74	77.77	22	21%	Tomotley	0.01	N	Y	N	N	N	N	N	N
			32%	Urban Land	0.01	N	N	N	N	N	N	N	N
			47%	Dragston	0.02	N	N	N	N	N	N	N	N
77.77	78.01	48	13%	Nimmo	0.03	N	Y	N	N	N	N	N	N
			31%	Urban Land	0.07	N	N	N	N	N	N	N	N
			56%	Tomotley	0.13	N	Y	N	N	N	N	N	N
78.01	78.63	43	42%	Deloss	0.25	Prime	Y	N	N	N	N	N	N
			58%	Tomotley	0.34	Prime	Y	N	N	N	N	N	N
78.63	79.04	44	23%	Urban Land	0.09	N	N	N	N	N	N	N	N
			36%	Deloss	0.14	N	Y	N	N	N	N	N	N
			41%	Tomotley	0.16	N	Y	N	N	N	N	N	N
79.04	79.22	48	13%	Nimmo	0.02	N	Y	N	N	N	N	N	N
			31%	Urban Land	0.05	N	N	N	N	N	N	N	N
			56%	Tomotley	0.10	N	Y	N	N	N	N	N	N
79.22	79.64	44	23%	Urban Land	0.10	N	N	N	N	N	N	N	N
			36%	Deloss	0.15	N	Y	N	N	N	N	N	N
			41%	Tomotley	0.17	N	Y	N	N	N	N	N	N
79.64	79.86	48	13%	Nimmo	0.03	N	Y	N	N	N	N	N	N
			31%	Urban Land	0.07	N	N	N	N	N	N	N	N
			56%	Tomotley	0.12	N	Y	N	N	N	N	N	N
79.86	79.90	22	21%	Tomotley	0.01	N	Y	N	N	N	N	N	N
			32%	Urban Land	0.01	N	N	N	N	N	N	N	N
			47%	Dragston	0.02	N	N	N	N	N	N	N	N
79.90	79.91	W	100%	Water	0.01	N	N	N	N	N	N	N	N
79.91	80.06	22	21%	Tomotley	0.03	N	Y	N	N	N	N	N	N
			32%	Urban Land	0.05	N	N	N	N	N	N	N	N
			47%	Dragston	0.07	N	N	N	N	N	N	N	N
80.06	80.32	48	13%	Nimmo	0.03	N	Y	N	N	N	N	N	N
			31%	Urban Land	0.08	N	N	N	N	N	N	N	N
			56%	Tomotley	0.15	N	Y	N	N	N	N	N	N
80.32	80.39	45	20%	Nimmo	0.01	Prime	Y	N	N	N	N	N	N
			80%	Tomotley	0.06	Prime	Y	N	N	N	N	N	N
80.39	80.39	38	100%	Tetotum	<0.01	Prime	N	N	N	N	N	N	N
80.39	80.51	45	20%	Nimmo	0.02	Prime	Y	N	N	N	N	N	N
			80%	Tomotley	0.09	Prime	Y	N	N	N	N	N	N
80.51	80.56	42	37%	Bertie	0.02	Prime	N	N	N	N	N	N	N
			63%	Tomotley	0.04	Prime	Y	N	N	N	N	N	N
80.56	80.75	45	20%	Nimmo	0.04	Prime	Y	N	N	N	N	N	N

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h		
Begin	End								Water ^d	Wind ^e					
80.75	80.79	48	80%	Tomotley	0.15	Prime	Y	N	N	N	N	N	N		
			13%	Nimmo	0.01	N	Y	N	N	N	N	N	N	N	
			31%	Urban Land	0.01	N	N	N	N	N	N	N	N	N	N
			56%	Tomotley	0.02	N	Y	N	N	N	N	N	N	N	N
80.79	80.84	45	20%	Nimmo	0.01	Prime	Y	N	N	N	N	N	N		
			80%	Tomotley	0.03	Prime	Y	N	N	N	N	N	N	N	
			100%	Pocaty	0.02	N	Y	N	N	N	N	N	N	N	
80.84	80.85	33	20%	Nimmo	0.03	Prime	Y	N	N	N	N	N	N		
			80%	Tomotley	0.14	Prime	Y	N	N	N	N	N	N	N	
81.02	81.81	49	26%	Urban Land	0.21	N	N	N	N	N	N	N	N		
			74%	Udorthents	0.59	N	N	N	Y	N	N	N	N	N	
81.81	81.97	W	100%	Water	0.16	N	N	N	N	N	N	N	N		
81.97	82.28	49	26%	Urban Land	0.08	N	N	N	N	N	N	N	N		
			74%	Udorthents	0.23	N	N	N	Y	N	N	N	N	N	
82.28	82.37	22	21%	Tomotley	0.02	N	Y	N	N	N	N	N	N		
			32%	Urban Land	0.03	N	N	N	N	N	N	N	N	N	
			47%	Dragston	0.05	N	N	N	N	N	N	N	N	N	
82.37	82.39	48	13%	Nimmo	<0.01	N	Y	N	N	N	N	N	N		
			31%	Urban Land	<0.01	N	N	N	N	N	N	N	N	N	
			56%	Tomotley	0.01	N	Y	N	N	N	N	N	N	N	
82.39	82.42	22	21%	Tomotley	0.01	N	Y	N	N	N	N	N	N		
			32%	Urban Land	0.01	N	N	N	N	N	N	N	N	N	
			47%	Dragston	0.02	N	N	N	N	N	N	N	N	N	
			26%	Urban Land	<0.01	N	N	N	N	N	N	N	N	N	
82.42	82.44	49	74%	Udorthents	0.01	N	N	N	Y	N	N	N	N		
			100%	Nawney	0.09	N	Y	N	N	N	N	N	N	N	
82.53	82.66	45	20%	Nimmo	0.03	Prime	Y	N	N	N	N	N	N		
			80%	Tomotley	0.11	Prime	Y	N	N	N	N	N	N	N	
82.66	82.70	48	13%	Nimmo	0.01	N	Y	N	N	N	N	N	N		
			31%	Urban Land	0.01	N	N	N	N	N	N	N	N	N	
			56%	Tomotley	0.02	N	Y	N	N	N	N	N	N	N	
AP-4															
Brunswick County, VA															
0.01	0.12	29C	100%	Wedowee	0.12	State	N	N	Y	N	Y	N	N		
0.12	0.15	9A	40%	Wehadkee	0.01	N	Y	Y	N	N	N	N	N		
			60%	Chewacla	0.02	N	N	Y	N	N	N	N	N		
0.15	0.20	29C	100%	Wedowee	0.04	State	N	N	Y	N	Y	N	N		
0.20	0.34	2B	37%	Mattaponi	0.05	Prime	N	N	N	N	Y	N	N		
			63%	Appling	0.09	Prime	N	N	N	N	Y	N	N		
0.34	0.40	29C	100%	Wedowee	0.05	State	N	N	Y	N	Y	N	N		
0.40	0.41	2B	37%	Mattaponi	<0.01	Prime	N	N	N	N	Y	N	N		
			63%	Appling	0.01	Prime	N	N	N	N	Y	N	N		
AP-5															
Greensville, County, VA															

Appendix M (continued)

Soil Characteristics by Milepost Segment for Each Soil Map Unit Along the Proposed Pipeline Routes ^a

Milepost		Map Unit Symbol	Component Percent	Component Name	Length (miles)	Prime Farmland ^b	Hydric Soils ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Stony/ Rocky ^g	Shallow to Bedrock ^h
Begin	End								Water ^d	Wind ^e			
0.01	0.09	25B	100%	Mattaponi	0.09	Prime	N	N	N	N	Y	N	N
0.09	0.29	17C	44%	Mattaponi	0.09	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.11	State	N	N	Y	N	Y	N	N
0.29	0.38	16C3	40%	Goldston	0.04	N	N	N	Y	N	Y	Y	Lithic
			60%	Fluvanna	0.05	N	N	N	Y	N	Y	N	N
0.38	0.41	31A	100%	Roanoke	0.03	N	Y	Y	N	N	N	N	N
0.41	0.47	16C3	40%	Goldston	0.03	N	N	N	Y	N	Y	Y	Lithic
			60%	Fluvanna	0.04	N	N	N	Y	N	Y	N	N
0.47	0.52	17B	44%	Mattaponi	0.02	Prime	N	N	N	N	Y	N	N
			56%	Fluvanna	0.02	Prime	N	N	N	N	N	N	N
0.52	0.57	16C3	40%	Goldston	0.02	N	N	N	Y	N	Y	Y	Lithic
			60%	Fluvanna	0.03	N	N	N	Y	N	Y	N	N
0.57	0.62	17B	44%	Mattaponi	0.03	Prime	N	N	N	N	Y	N	N
			56%	Fluvanna	0.03	Prime	N	N	N	N	N	N	N
0.62	0.66	16C3	40%	Goldston	0.02	N	N	N	Y	N	Y	Y	Lithic
			60%	Fluvanna	0.02	N	N	N	Y	N	Y	N	N
0.66	0.73	17C	44%	Mattaponi	0.03	State	N	N	Y	N	Y	N	N
			56%	Fluvanna	0.04	State	N	N	Y	N	Y	N	N
0.73	0.80	15C3	100%	Fluvanna	0.07	N	N	N	Y	N	Y	N	N
0.80	0.85	31A	100%	Roanoke	0.05	N	Y	Y	N	N	N	N	N
0.85	0.94	16C3	40%	Goldston	0.04	N	N	N	Y	N	Y	Y	Lithic
			60%	Fluvanna	0.06	N	N	N	Y	N	Y	N	N
0.94	0.98	1B	100%	Abell	0.04	Prime	N	N	N	N	N	N	N

^a The mileposts used in the Federal Energy Regulatory Commission (FERC) application, which was filed on September 18, 2015 (FERC Accession Number 20150918-5212), were based on three-dimensional changes in topography along the proposed pipeline routes. In areas where a pipeline route has changed due to the adoption of an alternative, the mileposts in the affected area have been scaled to account for the resulting difference in the length of the route. The straight-line distance between consecutive mileposts as indicated or depicted in tables and figures in this filing may be greater than or less than 5,280 feet. The mileposts should be considered as reference points only.

^b As designated by the Natural Resources Conservation Service. Prime = Prime with no mitigation, State = soil of statewide importance

^c Includes soils that have clay loam or finer textures in somewhat poor, poor, and very poor drainage classes.

^d Includes land in capability subclasses IVE through VIIIE and soils with an average slope greater than or equal to 9 percent.

^e Includes soils with Wind Erodibility Group classification of one or two.

^f Includes coarse-textured soils (sandy loams and coarser) that are moderately well to excessively drained and soils with an average slope greater than or equal to 9 percent.

^g Includes soils that have either: 1) a very gravelly, extremely gravelly, cobbly, stony, bouldery, flaggy, or channery modifier to the textural class, or 2) have greater than 5 percent (weight basis) of rock fragments larger than 3 inches in any layer within the profile.

^h Includes soils that have bedrock within 60 inches of the soil surface. Paralitich refers to "soft" bedrock that will not likely require blasting during construction. Lithic refers to "hard" bedrock that may require blasting or other special construction techniques during installation of the proposed pipeline segments.

Notes: Y = Yes; N = No