Mountain Valley Pipeline, LLC
Mountain Valley Pipeline Project
Docket No. CP16-10-000

Responses to FERC Environmental Information Request #3
Dated June 28, 2016

ATTACHMENTS

Attachment DR3 Geology-7

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Table 6.3-1 (Revised July 2016)

Mineral Resources Within 0.25 mile of the MVP Project Work Spaces

State / County	Milepost / Aboveground Facility	Mineral Resource / Name of Mine	Type of Mine (Surface or Underground)	Location	Status g/	Data Source
West Virginia						
Harrison	16.0	Sand and gravel / Quarry	surface	0.25 mile west	unknown	f/
	19.1 – 25.4	Coal / American Mountaineer Mine	underground	Permit area crossed	unknown	d/ (underground mining limits)
	28.1 – 28.7	Coal / Pittsburgh	underground	Permit area crossed	unknown	d/ (underground mining limits)
Lewis	46	Coal / Strip mine area	surface	0.25 mile east	unknown	f/
	47.4 – 47.8	Coal / Strip mine area	surface	0.25 mile east	unknown	f/
	48.1 – 48.2	Coal / Strip mine area	surface	Within 0.1 mile	unknown	f/
	48.8	Coal / Strip mine area	surface	0.25 mile east	unknown	f/
	50.8	Coal / Mid-Southern Energy Corp.	unknown	1,069 feet west	revoked	d/
Webster	92.8	Coal / Juliana Mining Company Inc. (Lower Laurel Surface Mine)	surface	381 feet east	renewed	f/
	93.9 – 95.1	Coal / Strip mine area	surface	0.35 mile east	unknown	f/
	101.8 – 103.3 / block valve	Coal / 82 East Surface Mine	surface	Permit area crossed	not started, permit expires 2017	d/
	103.0	Coal surface mine / ICG Eastern, LLC (82 East Surface Mine)	surface	1,000 – 1,170 feet east	Inactive and not started	d/
	103.2 – 103.3	Coal surface mine / ICG Eastern, LLC	surface	Permit area crossed	Inactive and not started	d/
	103.3	Coal / Abandoned mine	unknown	960 feet west	abandoned	d/
	107.2	Coal / Tammie Lynn Coal Co Inc.	unknown	1,050 feet west	Completely released	d/
Nicholas	109.7 – 109.9	Surface coal mine / K & B Coal Co	surface	Permit area crossed	Closed/revoked	d/
	110.9	Surface coal mine / K & B Coal Co	surface	870 feet west	revoked	d/
	111.0 – 111.1 / block valve	Surface coal mine / K & B Coal Co	surface	Permit area crossed	revoked	d/
	117.8 – 117.9	Coal / Donegan 10 Plant, Falcon Land Co Inc.	unknown	Permit area crossed	Closed, Phase 2 release, revegetated	d/
	117.9 – 118.0	Coal / Strip mine area	surface	Area is crossed	unknown	f/
	118.2	Coal / Mining area	surface	0.2 mile east	unknown	f/

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State / County	Milepost / Aboveground Facility	Mineral Resource / Name of Mine	Type of Mine (Surface or Underground)	Location	Status g/	Data Source
	118.4 – 118.6	Coal / Mining area	surface	Area is crossed at Gauley River crossing	unknown	f/
	119.9 – 120.1	Coal / Strip mine area	surface	0.1 mile east	unknown	f/
	119.9 / block valve	Coal / Green Valley Coal Company	unknown	560 feet east	renewed	d/
	120.0	Coal / Green Valley Coal Company	unknown	393 feet east	Completely released	d/
	121.9 – 126.0	Coal / Quinwood No. 7 Mine	underground	Permit area crossed	unknown	d/ (underground mining limits)
	126.2 – 126.3	Coal / Green Valley Coal Company, Potato Hole Knob Deep Mine	underground	Permit area crossed	new	d/
	126.7 – 131.2	Coal / unknown	underground	Permit area crossed	unknown	d/ (underground mining limits)
	132.0	Coal / Strip mine area	surface	0.2 mile east	unknown	f/
	132.1	Coal / Strip mine area	surface	crossed	unknown	f/
	133.1	Coal / Strip mine area	surface	0.25 mile east	unknown	f/
	133.6	Coal / unknown	underground	802 feet west	unknown	d/ (underground mining limits)
	133.9 – 134.3	Coal / Strip mine area	surface	0.1 mile west	unknown	f/
	134.4 – 135.7	Coal / Strip mine area	surface	0.2 mile east	unknown	f/
Greenbrier	134.4 – 136.5	Underground coal mine / Green Valley Coal Company, Alex Energy Inc.	underground	Permit area crossed	Active, reclamation only, numerous outfalls	d/
	138.3 – 138.4	Underground coal mine / Green Valley Coal Company, Alex Energy Inc.	underground	Permit area crossed	renewed	d/
	138.3 – 138.4 / block valve	Sewell Valley #1 Mine/ Surface Coal Mine, Green Valley Coal Company, Warrior Energy Resources LLC	unknown	Permit area crossed	Active, reclamation only, numerous outfalls	d/
	138.4 – 139.4 / block valve	Coal / Strip mine area	surface	0.25 mile on both sides	unknown	f/
	139.5	Coal / Strip mine area	surface	Crossed	unknown	f/
	142.1	Coal / Strip mine area	surface	0.25 mile east	unknown	f/

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State / County	Milepost / Aboveground Facility	Mineral Resource / Name of Mine	Type of Mine (Surface or Underground)	Location	Status g/	Data Source
	144.2	Underground Coal mine / Lynn Dale Coal Co	underground	433 feet west	revoked	d/
	145.7 – 146	underground coal mine (room and pillar) / Little Sewell No. 1 Deep Mine, Midland Trail Resources LLC	underground	Permit area crossed, also 364 feet east	Inactive, one historic outfall	d/
	145.8 – 146.3	Coal / Strip mine area	surface	0.2 mile west	unknown	f/
	146	Surface coal / Double N Mining Co, Inc.	surface	79 feet west, 364 feet east	revoked	d/
	146.0 – 146.7	Surface coal / Double N Mining Co., Inc.	surface	Permit area crossed, and 1,200 feet east	Closed, no coal removed	d/
	147 – 147.1	Coal / Strip mine area	surface	crossed	unknown	f/
	147.1 – 148.5	Coal / Strip mine area	surface	0.1 mile east	unknown	f/
	148.5 – 148.6	Coal / Strip mine area	surface	crossed	unknown	f/
Virginia						
Giles	199.6	Unknown / Quarry	surface	0.35 mile east	unknown	f/
	209.9	Limestone / Quarry	surface	600 feet northeast	inactive	c/, e/
	211 / block valve	Iron / Price Prospect	unknown	<0.1 mile west (270 feet)	inactive	a/
Montgomery	220.1	Coal / Slayton - tunnel area	underground	1,720 feet east	abandoned	g/
	220.9	Coal / Ryan – tunnel area	underground	95 feet southwest	abandoned	g/
	220.9	Coal / unknown shaft or collapse area	underground	110 feet northeast	abandoned	g/
	220.8	Coal / prospect area	Surficial	270 feet southeast	abandoned	g/
	220.9	Coal / prospect area	Surficial	90 to 330 feet southwest	abandoned	g/
	234.2	Clay / Number 2 Pit Old Virginia Brick Company	surface	<0.1 mile west (600 feet)	active	a/, f/
	234.4 / block valve	Unknown / Quarry	surface	<0.1 mile west	unknown	f/
Franklin	251.9	Nickel / Lick Fork Mine (Mackusick Mine/Flat Run Mine; John Light's Mine)	unknown	<0.1 mile west (4 feet)	inactive	a/
	274.4	Iron pit / unknown	surface	<0.1	inactive	c/
Pittsylvania	278.9	Unknown / Underground mine	underground	<0.1	inactive	c/

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State / County	Milepost / Aboveground Facility	Mineral Resource / Name of Mine	Type of Mine (Surface or Underground)	Location	Status g/	Data Source
	292.3	Sand and gravel pit (granite) / unknown	surface	<0.1	inactive	c/

Sources: a/ USGS 2015a; b/ USGS 2015b; c/ Virginia DMME 2015b; d/ West Virginia GIS Technical Center 2015b; e/ Draper Aden Associates 2015a; f/ topographic map review; g/ Draper Aden Associates - updated Karst Hazard Assessment, April 2016

g/ Unknown – status of mine and permit is not available from search of public records, Revoked – permit has been revoked, Renewed – permit has been renewed and is still active, Inactive and not started – permit issued but no activity initiated, Abandoned – mine is abandoned, Completely released – permit has been completely released, Closed/revoked – mine is closed and permit has been revoked, Closed – mine is closed, Phase 2 release – the mine is in the reclamation phase and has been revegetated, permit partially released, Revegetated – mine is closed and surface restored and revegetated, New – permit is recently approved, additional activity has not been initiated, Active, but reclamation only – mine and permit are still active but coal is no longer being removed, the site is in the reclamation phase, Numerous outfalls - the mine is permitted for NPDES discharges, Historic outfall – permitted for NPDES discharges, current status unknown..

Mountain Valley Pipeline, LLC
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Dated June 28, 2016

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Attachment DR3 Soils-1a

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
0	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.3	--	--	--	0.3	--	--
0	Wetzel	Sk	Skidmore gravelly loam	0.3	--	--	--	--	--	--	--	--
0.1	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
0.2	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
0.2	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.5	--	--	--	0.5	--	--
0.3	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
0.4	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
0.4	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.2	--	--	--	0.2	--	--
0.5	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
0.5	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.4	--	--	--	0.4	--	--
0.6	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
0.6	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	1.0	--	--	--	1.0	--	--
0.6	Wetzel	Sk	Skidmore gravelly loam	0.3	--	--	--	--	--	--	--	--
0.7	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.2	--	--	--	0.2	--	--
0.7	Wetzel	Sk	Skidmore gravelly loam	1.2	--	--	--	--	--	--	--	--
0.8	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.4	--	--	--	0.4	--	--
0.8	Wetzel	Sk	Skidmore gravelly loam	0.9	--	--	--	--	--	--	--	--
0.9	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
1	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--

Attachment DR3 Soils-1a

Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
1.1	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
1.1	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.3	--	--	--	0.3	--	--
1.2	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
1.2	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	1.4	--	--	--	1.4	--	--
1.3	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.9	--	--	--	0.9	--	--
1.3	Wetzel	Sk	Skidmore gravelly loam	0.5	--	--	--	--	--	--	--	--
1.4	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
1.5	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
1.5	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	1.2	--	--	--	1.2	--	--
1.6	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
1.6	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.0	--	--	--	0.0	--	--
1.7	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
1.7	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
1.8	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
1.9	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.6	--	1.6	--	--	--	1.6	--	--
2	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
2	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
2.1	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--

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Appendix 7A-1 (Revised July 2016)
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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
2.2	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
2.2	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.6	--	--	--	0.6	--	--
2.3	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.5	--	--	--	0.5	--	--
2.3	Wetzel	Sk	Skidmore gravelly loam	0.9	--	--	--	--	--	--	--	--
2.4	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
2.4	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	1.0	--	--	--	1.0	--	--
2.4	Wetzel	Sk	Skidmore gravelly loam	0.2	--	--	--	--	--	--	--	--
2.5	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	1.6	--	1.6	--	--	--	1.6	--	--
2.6	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
2.6	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
2.7	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
2.8	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.6	--	1.6	--	--	--	1.6	--	--
2.8	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
2.9	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
2.9	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
3	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
3	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
3.1	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--

Attachment DR3 Soils-1a

Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
3.1	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.0	--	--	--	0.0	--	--
3.2	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
3.2	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.0	--	--	--	0.0	--	--
3.3	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	1.6	--	1.6	--	--	--	1.6	--	--
3.4	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
3.5	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
3.5	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
3.5	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.0	--	--	--	0.0	--	--
3.6	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
3.6	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	1.2	--	--	--	1.2	--	--
3.7	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	1.4	--	--	--	1.4	--	--
3.8	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
3.8	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	1.0	--	--	--	1.0	--	--
3.9	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
4	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
4.1	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
4.2	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
4.2	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--

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4.3	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
4.3	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
4.4	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
4.4	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
4.5	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
4.5	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
4.6	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
4.6	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
4.7	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
4.7	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.3	--	--	--	0.3	--	--
4.8	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
4.8	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.2	--	--	--	0.2	--	--
4.9	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
4.9	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.6	--	--	--	0.6	--	--
5	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.4	--	--	--	0.4	--	--
5	Wetzel	No	Nolin loam	1.0	--	--	--	--	--	--	--	--
5.1	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.7	--	--	--	0.7	--	--
5.1	Wetzel	No	Nolin loam	0.5	--	--	--	--	--	--	--	--

Attachment DR3 Soils-1a

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5.2	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
5.2	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.8	--	--	--	0.8	--	--
5.3	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
5.4	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
5.5	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
5.5	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	1.2	--	--	--	1.2	--	--
5.6	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.8	--	--	--	0.8	--	--
5.6	Wetzel	Sk	Skidmore gravelly loam	0.7	--	--	--	--	--	--	--	--
5.7	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
5.8	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
5.8	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
5.9	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
5.9	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.1	--	--	--	0.1	--	--
6	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
6	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.0	--	--	--	0.0	--	--
6.1	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
6.2	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.6	--	1.6	--	--	--	1.6	--	--
6.3	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
6.4	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.6	--	1.6	--	--	--	1.6	--	--
6.5	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
6.5	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	1.2	--	--	--	1.2	--	--
6.6	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.4	--	--	--	0.4	--	--
6.6	Wetzel	VaD	Vandalia silty clay loam, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
6.7	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	1.2	--	--	--	1.2	--	--
6.7	Wetzel	VaD	Vandalia silty clay loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
6.8	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
6.8	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.8	--	--	--	0.8	--	--
6.9	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
7	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.7	--	1.7	--	--	--	1.7	--	--
7	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.0	--	--	--	0.0	--	--
7.1	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
7.1	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.1	--	--	--	0.1	--	--
7.2	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
7.3	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
7.3	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
7.4	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
7.4	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
7.4	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.3	--	--	--	0.3	--	--
7.5	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
7.5	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.2	--	--	--	0.2	--	--
7.6	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
7.6	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.0	--	--	--	0.0	--	--
7.7	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
7.7	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.1	--	--	--	0.1	--	--
7.8	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
7.8	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	1.2	--	--	--	1.2	--	--
7.9	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	1.4	--	--	--	1.4	--	--
7.9	Wetzel	Sk	Skidmore gravelly loam	0.1	--	--	--	--	--	--	--	--
8	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.9	--	--	--	0.9	--	--
8	Wetzel	Sk	Skidmore gravelly loam	0.5	--	--	--	--	--	--	--	--
8.1	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
8.1	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.6	--	--	--	0.6	--	--
8.2	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
8.2	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.1	--	--	--	0.1	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
8.3	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.6	--	1.6	--	--	--	1.6	--	--
8.4	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
8.5	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
8.6	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
8.7	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
8.7	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
8.8	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
8.8	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.8	--	--	--	0.8	--	--
8.9	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.8	--	--	--	0.8	--	--
8.9	Wetzel	Sk	Skidmore gravelly loam	0.6	--	--	--	--	--	--	--	--
9	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
9.1	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
9.1	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.2	--	--	--	0.2	--	--
9.2	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
9.2	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.1	--	--	--	0.1	--	--
9.3	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
9.3	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.4	--	--	--	0.4	--	--
9.3	Wetzel	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.3	--	--	--	0.3	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
9.4	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.5	--	--	--	0.5	--	--
9.4	Wetzel	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.9	--	--	--	0.9	--	--
9.5	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.6	--	--	--	0.6	--	--
9.5	Wetzel	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.9	--	--	--	0.9	--	--
9.6	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.4	--	--	--	0.4	--	--
9.6	Wetzel	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.1	--	--	--	1.1	--	--
9.7	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
9.8	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
9.9	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
10	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
10.1	Harrison	GuD	Gilpin-Upshur complex, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
10.1	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.5	--	--	--	0.5	--	--
10.2	Harrison	GuD	Gilpin-Upshur complex, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
10.2	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.9	--	--	--	0.9	--	--
10.3	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
10.4	Harrison	GuD	Gilpin-Upshur complex, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
10.4	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
10.5	Harrison	GuD	Gilpin-Upshur complex, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
10.5	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
10.6	Harrison	GuD	Gilpin-Upshur complex, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
10.6	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
10.7	Harrison	GuD	Gilpin-Upshur complex, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
10.7	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.2	--	--	--	0.2	--	--
10.8	Harrison	GuD	Gilpin-Upshur complex, 15 to 25 percent slopes	1.6	--	1.6	--	--	--	1.6	--	--
10.9	Harrison	GuD	Gilpin-Upshur complex, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
10.9	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	0.1	--	--
11	Harrison	GuD	Gilpin-Upshur complex, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
11	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
11.1	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
11.2	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.0	--	--	--	1.0	--	--
11.2	Harrison	Ph	Philo silt loam	0.5	--	--	--	--	--	--	--	--
11.3	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.5	--	--	--	0.5	--	--
11.3	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	0.1	--	--
11.3	Harrison	Ph	Philo silt loam	0.5	--	--	--	--	--	--	--	--
11.4	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
11.4	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
11.5	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
11.6	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
11.7	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	0.3	--	--	--	0.3	--	--
11.7	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.2	--	--	--	1.2	--	--
11.8	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	1.1	--	--	--	1.1	--	--
11.8	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.4	--	--	--	0.4	--	--
11.9	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	1.1	--	--	--	1.1	--	--
11.9	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.5	--	--	--	0.5	--	--
12	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	0.5	--	--	--	0.5	--	--
12	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.1	--	--	--	1.1	--	--
12.1	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.3	--	--	--	0.3	--	--
12.1	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.8	--	--	--	0.8	--	--
12.1	Harrison	VaD	Vandalia silty clay loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
12.2	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.5	--	--	--	0.5	--	--
12.2	Harrison	VaD	Vandalia silty clay loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
12.3	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
12.3	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.2	--	--	--	0.2	--	--
12.3	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.3	--	--	--	1.3	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
12.4	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
12.4	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
12.5	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
12.5	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	0.1	--	--
12.6	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
12.6	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
12.7	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
12.7	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
12.8	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	1.0	--	--	--	1.0	--	--
12.8	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.4	--	--	--	0.4	--	--
12.9	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	0.3	--	--	--	0.3	--	--
12.9	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.3	--	--	--	1.3	--	--
13	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	1.2	--	--	--	1.2	--	--
13	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
13	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	0.1	--	--
13.1	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	1.0	--	--	--	1.0	--	--
13.1	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.5	--	--	--	0.5	--	--
13.2	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
13.3	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
13.3	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
13.4	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
13.5	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
13.6	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
13.7	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
13.8	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
13.9	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
14	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
14.1	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
14.2	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
14.3	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
14.4	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
14.5	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
14.6	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
14.7	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
14.8	Harrison	GuC	Gilpin-Upshur complex, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
14.8	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.3	--	--	--	1.3	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
14.9	Harrison	GuC	Gilpin-Upshur complex, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
14.9	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
15	Harrison	GuC	Gilpin-Upshur complex, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
15	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
15.1	Harrison	GuC	Gilpin-Upshur complex, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
15.1	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.0	--	--	--	1.0	--	--
15.2	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
15.3	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.3	--	--	--	0.3	--	--
15.3	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.2	--	--	--	1.2	--	--
15.4	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.3	--	--	--	0.3	--	--
15.4	Harrison	UF	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.9	0.9	--
15.5	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.7	--	--	--	0.7	--	--
15.5	Harrison	UF	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.7	0.7	--
15.6	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
15.7	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.5	--	--	--	0.5	--	--
15.7	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.9	--	--	--	0.9	--	--
15.8	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
15.8	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	0.1	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
15.9	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
15.9	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
16	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.7	--	--	--	0.7	--	--
16	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.8	--	--	--	0.8	--	--
16.1	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
16.2	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
16.3	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
16.4	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
16.5	Harrison	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.6	--	--	--	0.6	--	--
16.5	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.9	--	--	--	0.9	--	--
16.6	Harrison	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
16.6	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
16.7	Harrison	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.1	--	--	--	0.1	--	--
16.7	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
16.8	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
16.9	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
17	Harrison	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.1	--	--	--	0.1	--	--
17	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
17.1	Harrison	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
17.2	Harrison	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
17.3	Harrison	GuC	Gilpin-Upshur complex, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
17.3	Harrison	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	1.0	--	--	--	1.0	--	--
17.4	Harrison	GuC	Gilpin-Upshur complex, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
17.5	Harrison	GuC	Gilpin-Upshur complex, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
17.5	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	0.1	--	--
17.6	Harrison	GuC	Gilpin-Upshur complex, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
17.6	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
17.7	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	1.3	--	--	--	1.3	--	--
17.7	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
17.7	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	0.2	--	--
17.8	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
17.8	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.1	--	--	--	1.1	--	--
17.8	Harrison	UF	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.2	0.2	--
17.9	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	0.2	--	--
17.9	Harrison	Ph	Philo silt loam	0.8	--	--	--	--	--	--	--	--
17.9	Harrison	UF	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.1	0.1	--
18	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	0.7	--	--	--	0.7	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
18	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.8	--	--	--	0.8	--	--
18.1	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
18.2	Harrison	GuC	Gilpin-Upshur complex, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
18.2	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.1	--	--	--	0.1	--	--
18.2	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.1	--	--	--	1.1	--	--
18.3	Harrison	GuC	Gilpin-Upshur complex, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
18.3	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
18.4	Harrison	GuC	Gilpin-Upshur complex, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
18.4	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.5	--	--	--	0.5	--	--
18.5	Harrison	GuC	Gilpin-Upshur complex, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
18.5	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	0.1	--	--
18.6	Harrison	GuC	Gilpin-Upshur complex, 8 to 15 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
18.6	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.4	--	--	--	0.4	--	--
18.7	Harrison	GuC	Gilpin-Upshur complex, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
18.7	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.3	--	--	--	1.3	--	--
18.8	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.6	--	--	--	0.6	--	--
18.8	Harrison	Ph	Philo silt loam	0.5	--	--	--	--	--	--	--	--
18.9	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.3	--	--	--	1.3	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
18.9	Harrison	Ph	Philo silt loam	0.1	--	--	--	--	--	--	--	--
19	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
19.1	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
19.2	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
19.3	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
19.4	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
19.5	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
19.6	Harrison	GuC3	Gilpin-Upshur complex, 8 to 15 percent slopes, severely eroded	0.0	--	0.0	--	--	--	0.0	--	--
19.6	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
19.7	Harrison	GuC3	Gilpin-Upshur complex, 8 to 15 percent slopes, severely eroded	1.5	--	1.5	--	--	--	1.5	--	--
19.7	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
19.8	Harrison	GuC3	Gilpin-Upshur complex, 8 to 15 percent slopes, severely eroded	1.5	--	1.5	--	--	--	1.5	--	--
19.9	Harrison	GuC3	Gilpin-Upshur complex, 8 to 15 percent slopes, severely eroded	0.9	--	0.9	--	--	--	0.9	--	--
19.9	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.7	--	--	--	0.7	--	--
20	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
20.1	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	0.9	--	--	--	0.9	--	--
20.1	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.6	--	--	--	0.6	--	--
20.2	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
20.3	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	1.3	--	--	--	1.3	--	--
20.3	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	0.2	--	--
20.4	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	0.7	--	--	--	0.7	--	--
20.4	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.8	--	--	--	0.8	--	--
20.5	Harrison	GuC3	Gilpin-Upshur complex, 8 to 15 percent slopes, severely eroded	0.1	--	0.1	--	--	--	0.1	--	--
20.5	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
20.6	Harrison	GuC3	Gilpin-Upshur complex, 8 to 15 percent slopes, severely eroded	1.3	--	1.3	--	--	--	1.3	--	--
20.6	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	0.2	--	--
20.7	Harrison	GuC3	Gilpin-Upshur complex, 8 to 15 percent slopes, severely eroded	0.7	--	0.7	--	--	--	0.7	--	--
20.7	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.8	--	--	--	0.8	--	--
20.8	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.0	--	--	--	1.0	--	--
20.8	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.3	--	--	--	0.3	--	--
20.8	Harrison	Ln	Lindside silt loam	0.2	--	--	--	--	--	--	--	--
20.9	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.1	--	--	--	1.1	--	--
20.9	Harrison	Ln	Lindside silt loam	0.3	--	--	--	--	--	--	--	--
21	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.6	--	--	--	0.6	--	--
21	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.9	--	--	--	0.9	--	--
21.1	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
21.2	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
21.3	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
21.4	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
21.4	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
21.5	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
21.5	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
21.6	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	1.1	--	--	--	1.1	--	--
21.6	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.4	--	--	--	0.4	--	--
21.6	Harrison	Ln	Lindside silt loam	0.0	--	--	--	--	--	--	--	--
21.7	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
21.7	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.5	--	--	--	0.5	--	--
21.7	Harrison	Ln	Lindside silt loam	0.6	--	--	--	--	--	--	--	--
21.7	Harrison	UhD3	Upshur silty clay, 15 to 25 percent slopes, severely eroded	--	--	0.1	--	--	--	0.1	--	--
21.8	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.1	--	--	--	1.1	--	--
21.8	Harrison	UhD3	Upshur silty clay, 15 to 25 percent slopes, severely eroded	--	--	0.4	--	--	--	0.4	--	--
21.9	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
22	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
22.1	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
22.2	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
22.3	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
22.4	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
22.5	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
22.6	Harrison	GuC3	Gilpin-Upshur complex, 8 to 15 percent slopes, severely eroded	0.5	--	0.5	--	--	--	0.5	--	--
22.6	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.0	--	--	--	1.0	--	--
22.7	Harrison	GuC3	Gilpin-Upshur complex, 8 to 15 percent slopes, severely eroded	1.5	--	1.5	--	--	--	1.5	--	--
22.8	Harrison	GuC3	Gilpin-Upshur complex, 8 to 15 percent slopes, severely eroded	0.6	--	0.6	--	--	--	0.6	--	--
22.8	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.9	--	--	--	0.9	--	--
22.9	Harrison	GuC3	Gilpin-Upshur complex, 8 to 15 percent slopes, severely eroded	1.2	--	1.2	--	--	--	1.2	--	--
22.9	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.4	--	--	--	0.4	--	--
23	Harrison	GuC3	Gilpin-Upshur complex, 8 to 15 percent slopes, severely eroded	0.6	--	0.6	--	--	--	0.6	--	--
23	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.8	--	--	--	0.8	--	--
23	Harrison	UF	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.0	0.0	--
23.1	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.5	--	--	--	0.5	--	--
23.1	Harrison	UF	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.8	0.8	--
23.2	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
23.2	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.9	--	--	--	0.9	--	--

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Appendix 7A-1 (Revised July 2016)
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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
23.2	Harrison	UhD3	Upshur silty clay, 15 to 25 percent slopes, severely eroded	--	--	0.6	--	--	--	0.6	--	--
23.3	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.7	--	--	--	1.7	--	--
23.3	Harrison	UhD3	Upshur silty clay, 15 to 25 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
23.4	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
23.5	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
23.5	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	0.1	--	--
23.6	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
23.6	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
23.7	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
23.8	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
23.9	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
24	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
24.1	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
24.2	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
24.3	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
24.4	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
24.5	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
24.6	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.6	--	--	--	0.6	--	--

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Appendix 7A-1 (Revised July 2016)
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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
24.6	Harrison	UhD3	Upshur silty clay, 15 to 25 percent slopes, severely eroded	--	--	0.9	--	--	--	0.9	--	--
24.7	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.5	--	--	--	0.5	--	--
24.7	Harrison	UhD3	Upshur silty clay, 15 to 25 percent slopes, severely eroded	--	--	0.9	--	--	--	0.9	--	--
24.8	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.3	--	--	--	1.3	--	--
24.8	Harrison	UhD3	Upshur silty clay, 15 to 25 percent slopes, severely eroded	--	--	0.2	--	--	--	0.2	--	--
24.9	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
24.9	Harrison	UhD3	Upshur silty clay, 15 to 25 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
25	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.3	--	--	--	0.3	--	--
25	Harrison	UhD3	Upshur silty clay, 15 to 25 percent slopes, severely eroded	--	--	1.2	--	--	--	1.2	--	--
25.1	Harrison	GuC3	Gilpin-Upshur complex, 8 to 15 percent slopes, severely eroded	1.2	--	1.2	--	--	--	1.2	--	--
25.1	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	0.1	--	--
25.1	Harrison	UhD3	Upshur silty clay, 15 to 25 percent slopes, severely eroded	--	--	0.2	--	--	--	0.2	--	--
25.2	Harrison	GuC3	Gilpin-Upshur complex, 8 to 15 percent slopes, severely eroded	1.5	--	1.5	--	--	--	1.5	--	--
25.3	Harrison	GuC3	Gilpin-Upshur complex, 8 to 15 percent slopes, severely eroded	1.5	--	1.5	--	--	--	1.5	--	--
25.4	Harrison	GuC3	Gilpin-Upshur complex, 8 to 15 percent slopes, severely eroded	1.5	--	1.5	--	--	--	1.5	--	--
25.5	Harrison	GuC3	Gilpin-Upshur complex, 8 to 15 percent slopes, severely eroded	1.5	--	1.5	--	--	--	1.5	--	--
25.5	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
25.6	Harrison	GuC3	Gilpin-Upshur complex, 8 to 15 percent slopes, severely eroded	1.0	--	1.0	--	--	--	1.0	--	--

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Appendix 7A-1 (Revised July 2016)
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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
25.6	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.4	--	--	--	0.4	--	--
25.7	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
25.8	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
25.9	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.6	--	--	--	0.6	--	--
25.9	Harrison	UL	Urban land	--	--	--	--	0.9	--	0.9	--	--
26	Harrison	UL	Urban land	--	--	--	--	1.6	--	1.6	--	--
26.1	Harrison	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.5	--	--	--	0.5	--	--
26.1	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.6	--	--	--	0.6	--	--
26.1	Harrison	UL	Urban land	--	--	--	--	0.2	--	0.2	--	--
26.2	Harrison	GuD	Gilpin-Upshur complex, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
26.2	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.9	--	--	--	0.9	--	--
26.3	Harrison	GuD	Gilpin-Upshur complex, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
26.4	Harrison	GuD	Gilpin-Upshur complex, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
26.4	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.5	--	--	--	0.5	--	--
26.5	Harrison	GuD	Gilpin-Upshur complex, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
26.5	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	0.1	--	--
26.6	Harrison	GuD	Gilpin-Upshur complex, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
26.7	Harrison	GuD	Gilpin-Upshur complex, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
26.8	Harrison	GuD	Gilpin-Upshur complex, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--

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26.8	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.1	--	--	--	1.1	--	--
26.9	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
27	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
27.1	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
27.2	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
27.3	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
27.4	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
27.5	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
27.6	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
27.7	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
27.8	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
27.9	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
28	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
28.1	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
28.2	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
28.3	Harrison	GuC3	Gilpin-Upshur complex, 8 to 15 percent slopes, severely eroded	0.9	--	0.9	--	--	--	0.9	--	--
28.3	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.5	--	--	--	0.5	--	--
28.4	Harrison	GuC3	Gilpin-Upshur complex, 8 to 15 percent slopes, severely eroded	0.5	--	0.5	--	--	--	0.5	--	--

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28.4	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.0	--	--	--	1.0	--	--
28.5	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	0.8	--	--	--	0.8	--	--
28.5	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.8	--	--	--	0.8	--	--
28.6	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
28.7	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	1.1	--	--	--	1.1	--	--
28.7	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.3	--	--	--	0.3	--	--
28.8	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	1.0	--	--	--	1.0	--	--
28.8	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.5	--	--	--	0.5	--	--
28.9	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	1.3	--	--	--	1.3	--	--
28.9	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	0.2	--	--
29	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
29.1	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	0.6	--	--	--	0.6	--	--
29.1	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.9	--	--	--	0.9	--	--
29.2	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
29.3	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
29.4	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.2	--	--	--	1.2	--	--
29.4	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.4	--	--	--	0.4	--	--
29.5	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	0.1	--	--	--	0.1	--	--

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29.5	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
29.6	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
29.6	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
29.7	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
29.8	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
29.8	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
29.9	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	1.7	--	--	--	1.7	--	--
30	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
30.1	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	0.6	--	--	--	0.6	--	--
30.1	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.0	--	--	--	1.0	--	--
30.2	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	0.5	--	--	--	0.5	--	--
30.2	Harrison	UF	Udifluvents and Fluvaquents	--	--	--	--	--	--	1.1	1.1	--
30.3	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.2	--	--	--	0.2	--	--
30.3	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.1	--	--	--	1.1	--	--
30.3	Harrison	UF	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.2	0.2	--
30.3	Harrison	VaD3	Vandalia silty clay loam, 15 to 25 percent slopes, severely eroded	--	--	0.1	--	--	--	0.1	--	--
30.4	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
30.5	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--

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30.6	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
30.7	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
30.8	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
30.9	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.7	--	--	--	0.7	--	--
30.9	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.4	--	--	--	0.4	--	--
31	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	1.0	--	--	--	1.0	--	--
31	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.5	--	--	--	0.5	--	--
31.1	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
31.2	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	1.1	--	--	--	1.1	--	--
31.2	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.4	--	--	--	0.4	--	--
31.3	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.0	--	--	--	1.0	--	--
31.3	Harrison	VaC	Vandalia silty clay loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
31.4	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.3	--	--	--	0.3	--	--
31.4	Harrison	UF	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.6	0.6	--
31.4	Harrison	VaC	Vandalia silty clay loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
31.5	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.3	--	--	--	0.3	--	--
31.5	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.3	--	--	--	1.3	--	--
31.6	Harrison	GuD	Gilpin-Upshur complex, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
31.6	Harrison		Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
31.6	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.0	--	--	--	1.0	--	--
31.7	Doddridge	GuD	Gilpin-Upshur complex, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
31.7	Doddridge		Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
31.8	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
31.8	Doddridge	GuD	Gilpin-Upshur complex, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
31.8	Doddridge		Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
31.9	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
31.9	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
31.9	Doddridge	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
32	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
32	Doddridge	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
32.1	Doddridge	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
32.2	Doddridge	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
32.3	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
32.3	Doddridge	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
32.4	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
32.4	Doddridge	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
32.5	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
32.5	Doddridge	SeB	Sensabaugh silt loam, 3 to 8 percent slopes, rarely flooded	0.3	--	--	--	--	--	--	--	--
32.6	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	1.0	--	--	--	1.0	--	1.0
32.6	Doddridge	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
32.6	Doddridge	SeB	Sensabaugh silt loam, 3 to 8 percent slopes, rarely flooded	0.2	--	--	--	--	--	--	--	--
32.7	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
32.7	Doddridge	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
32.7	Doddridge	VaC	Vandalia silt loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
32.7	Doddridge		Vandalia silty clay loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
32.8	Harrison	VaC	Vandalia silty clay loam, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
32.9	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
32.9	Harrison	Ln	Lindside silt loam	0.7	--	--	--	--	--	--	--	--
32.9	Harrison	VaC	Vandalia silty clay loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
33	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	0.1	--	--	--	0.1	--	--
33	Harrison	Ln	Lindside silt loam	1.4	--	--	--	--	--	--	--	--
33.1	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
33.1	Harrison	Ln	Lindside silt loam	1.5	--	--	--	--	--	--	--	--
33.2	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.7	--	--	--	0.7	--	--
33.2	Harrison	Ln	Lindside silt loam	0.8	--	--	--	--	--	--	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
33.3	Harrison	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	0.8	--	--	--	0.8	--	--
33.3	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.1	--	--	--	0.1	--	--
33.3	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.6	--	--	--	0.6	--	--
33.4	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
33.5	Harrison	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.4	--	--	--	0.4	--	0.4
33.5	Harrison	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.9	--	--	--	0.9	--	--
33.5	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.3	--	--	--	0.3	--	--
33.6	Harrison	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
33.6	Harrison	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.3	--	--	--	0.3	--	--
33.7	Harrison	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
33.7	Harrison	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	1.0	--	--	--	1.0	--	--
33.8	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
33.8	Doddridge	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	1.3	--	--	--	1.3	--	--
33.9	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
33.9	Doddridge	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.7	--	--	--	0.7	--	--
34	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	1.4	--	--	--	1.4	--	1.4
34	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
34.1	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	1.6	--	--	--	1.6	--	1.6

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
34.1	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
34.2	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
34.2	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
34.3	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
34.3	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
34.3	Doddridge	SeB	Sensabaugh silt loam, 3 to 8 percent slopes, rarely flooded	0.6	--	--	--	--	--	--	--	--
34.4	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	1.0	--	--	--	1.0	--	1.0
34.4	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
34.5	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
34.5	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
34.6	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	1.4	--	--	--	1.4	--	1.4
34.6	Doddridge	GuC	Gilpin-Upshur silt loams, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
34.7	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
34.7	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	1.4	--	--	--	1.4	--	1.4
34.8	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
34.8	Doddridge	GuC	Gilpin-Upshur silt loams, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
34.9	Doddridge	Co	Cotaco silt loam	0.3	--	--	--	--	0.3	--	--	--
34.9	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	1.0	--	--	--	1.0	--	1.0

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
34.9	Doddridge	Me	Melvin silt loam	0.1	--	--	--	--	0.1	0.1	0.1	--
35	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
35	Doddridge	Me	Melvin silt loam	0.2	--	--	--	--	0.2	0.2	0.2	--
35	Doddridge	Se	Sensabaugh silt loam	0.3	--	--	--	--	0.3	--	--	--
35.1	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
35.1	Doddridge	GuC	Gilpin-Upshur silt loams, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
35.2	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
35.2	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
35.2	Doddridge	GuC	Gilpin-Upshur silt loams, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
35.3	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
35.3	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
35.4	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1
35.4	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
35.5	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	1.6	--	--	--	1.6	--	1.6
35.5	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
35.6	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	1.4	--	--	--	1.4	--	1.4
35.6	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
35.6	Doddridge	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.0	--	--	--	0.0	--	--
35.7	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8

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Appendix 7A-1 (Revised July 2016)
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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
35.7	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
35.7	Doddridge	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.6	--	--	--	0.6	--	--
35.8	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	1.0	--	--	--	1.0	--	1.0
35.8	Doddridge	GuC3	Gilpin-Upshur complex, 8 to 15 percent slopes, severely eroded	0.0	--	0.0	--	--	--	0.0	--	--
35.8	Doddridge	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.5	--	--	--	0.5	--	--
35.9	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1
35.9	Doddridge	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.4	--	--	--	0.4	--	--
35.9	Doddridge	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
36	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
36	Doddridge	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.5	--	--	--	0.5	--	--
36	Doddridge	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
36.1	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
36.1	Doddridge	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.3	--	--	--	0.3	--	--
36.2	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
36.2	Doddridge	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.5	--	--	--	0.5	--	--
36.2	Doddridge	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.1	--	--	--	0.1	--	--
36.3	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
36.3	Doddridge	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.8	--	--	--	0.8	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
36.4	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1
36.4	Doddridge	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.4	--	--	--	0.4	--	--
36.5	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
36.5	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
36.5	Doddridge	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.3	--	--	--	0.3	--	--
36.6	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
36.6	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
36.6	Doddridge	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.1	--	--	--	0.1	--	--
36.7	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
36.7	Doddridge	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.7	--	--	--	0.7	--	--
36.8	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1
36.8	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
36.8	Doddridge	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.4	--	--	--	0.4	--	--
36.9	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1
36.9	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
36.9	Doddridge	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.2	--	--	--	0.2	--	--
37	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1
37	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
37	Doddridge	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.4	--	--	--	0.4	--	--
37.1	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1
37.1	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
37.1	Doddridge	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.4	--	--	--	0.4	--	--
37.2	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
37.2	Doddridge	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.3	--	--	--	0.3	--	--
37.3	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
37.3	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
37.3	Doddridge	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.6	--	--	--	0.6	--	--
37.4	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
37.4	Doddridge	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.6	--	--	--	0.6	--	--
37.5	Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
37.5	Doddridge	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
37.5	Doddridge	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.5	--	--	--	0.5	--	--
37.6	Harrison	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
37.6	Harrison	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	1.0	--	--	--	1.0	--	--
37.6	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.4	--	--	--	0.4	--	--
37.7	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
37.8	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
37.9	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
38	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.5	--	--	--	0.5	--	--
38	Harrison	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	1.0	--	--	--	1.0	--	--
38.1	Harrison	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.2	--	--	--	1.2	--	--
38.1	Harrison	Lh	Lobdell-Holly silt loams	0.0	--	--	--	--	--	0.0	0.0	--
38.1	Harrison	UF	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.2	0.2	--
38.2	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.0	--	--	--	1.0	--	--
38.2	Lewis	Lh	Lobdell-Holly silt loams	0.3	--	--	--	--	--	0.3	0.3	--
38.2	Lewis	UF	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.0	0.0	--
38.3	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
38.4	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
38.5	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
38.6	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
38.7	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
38.8	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
38.9	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
39	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
39.1	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
39.2	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
39.3	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
39.4	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
39.5	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
39.6	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
39.7	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
39.8	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
39.9	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
40	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
40.1	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
40.2	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
40.3	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
40.4	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
40.5	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.7	--	--	--	1.7	--	--
40.6	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
40.7	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
40.8	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
40.9	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
41	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
41.1	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
41.2	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
41.3	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	0.2	--	--
41.3	Lewis	VaC	Vandalia silt loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
41.3	Lewis	VaE	Vandalia silt loam, 25 to 35 percent slopes	--	--	1.0	--	--	--	1.0	--	--
41.4	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.8	--	--	--	0.8	--	--
41.4	Lewis	Lh	Lobdell-Holly silt loams	0.5	--	--	--	--	--	0.5	0.5	--
41.4	Lewis	VaC	Vandalia silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
41.5	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
41.6	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
41.7	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
41.8	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
41.9	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
42	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
42.1	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
42.2	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
42.3	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
42.4	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
42.5	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.0	--	--	--	0.0	--	--
42.5	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
42.6	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.1	--	--	--	1.1	--	--
42.6	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.4	--	--	--	0.4	--	--
42.6	Lewis	VaD	Vandalia silt loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
42.7	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.6	--	--	--	0.6	--	--
42.7	Lewis	Lh	Lobdell-Holly silt loams	0.3	--	--	--	--	--	0.3	0.3	--
42.7	Lewis	VaD	Vandalia silt loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
42.8	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.4	--	--	--	0.4	--	--
42.8	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.1	--	--	--	1.1	--	--
42.9	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
43	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.1	--	--	--	0.1	--	--
43	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
43.1	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.4	--	--	--	1.4	--	--
43.1	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
43.2	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.0	--	--	--	0.0	--	--
43.2	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.8	--	--	--	0.8	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
43.2	Lewis	VaD	Vandalia silt loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
43.3	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.5	--	--	--	0.5	--	--
43.3	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.9	--	--	--	0.9	--	--
43.4	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.2	--	--	--	0.2	--	--
43.4	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.3	--	--	--	1.3	--	--
43.5	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
43.5	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
43.6	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.3	--	--	--	0.3	--	--
43.6	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.2	--	--	--	1.2	--	--
43.7	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
43.8	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
43.9	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
44	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
44.1	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.4	--	--	--	0.4	--	--
44.1	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.1	--	--	--	1.1	--	--
44.2	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.6	--	--	--	1.6	--	--
44.3	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
44.4	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--

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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
44.5	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.4	--	--	--	0.4	--	--
44.5	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.1	--	--	--	1.1	--	--
44.6	Lewis	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
44.6	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.3	--	--	--	0.3	--	--
44.7	Lewis	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
44.7	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.5	--	--	--	0.5	--	--
44.7	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.4	--	--	--	0.4	--	--
44.8	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.3	--	--	--	0.3	--	--
44.8	Lewis	Lh	Lobdell-Holly silt loams	0.8	--	--	--	--	--	0.8	0.8	--
44.8	Lewis	VaD	Vandalia silt loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
44.9	Lewis	JaE	Janelew channery silt loam, steep	--	--	0.6	--	--	--	0.6	--	--
44.9	Lewis	VaD	Vandalia silt loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
45	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.4	--	--	--	0.4	--	--
45	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.9	--	--	--	0.9	--	--
45	Lewis	JaE	Janelew channery silt loam, steep	--	--	0.2	--	--	--	0.2	--	--
45.1	Lewis	GuC	Gilpin-Upshur silt loams, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
45.1	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.2	--	--	--	1.2	--	--
45.2	Lewis	GuC	Gilpin-Upshur silt loams, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
45.2	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.9	--	--	--	0.9	--	--

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Appendix 7A-1 (Revised July 2016)
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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
45.3	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
45.4	Lewis	GuC	Gilpin-Upshur silt loams, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
45.4	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.2	--	--	--	1.2	--	--
45.5	Lewis	GuC	Gilpin-Upshur silt loams, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
45.5	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.0	--	--	--	0.0	--	--
45.6	Lewis	GuC	Gilpin-Upshur silt loams, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
45.6	Lewis	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
45.6	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.0	--	--	--	0.0	--	--
45.7	Lewis	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
45.8	Lewis	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
45.8	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.2	--	--	--	0.2	--	--
45.9	Lewis	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
45.9	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.7	--	--	--	0.7	--	--
45.9	Lewis	JaE	Janelew channery silt loam, steep	--	--	0.7	--	--	--	0.7	--	--
46	Lewis	JaE	Janelew channery silt loam, steep	--	--	1.2	--	--	--	1.2	--	--
46	Lewis	VaC	Vandalia silt loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
46.1	Lewis	JaE	Janelew channery silt loam, steep	--	--	1.4	--	--	--	1.4	--	--
46.2	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
46.2	Lewis	JaE	Janelew channery silt loam, steep	--	--	1.5	--	--	--	1.5	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
46.3	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.3	--	--	--	0.3	--	--
46.3	Lewis	JaE	Janelew channery silt loam, steep	--	--	1.2	--	--	--	1.2	--	--
46.4	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
46.5	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
46.6	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
46.7	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.1	--	--	--	0.1	--	--
46.7	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.0	--	--	--	1.0	--	--
46.8	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.6	--	--	--	0.6	--	--
46.8	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.6	--	--	--	0.6	--	--
46.9	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.1	--	--	--	0.1	--	--
46.9	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
47	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
47.1	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
47.2	Lewis	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
47.2	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
47.3	Lewis	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
47.3	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	0.2	--	--
47.4	Lewis	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
47.4	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	0.1	--	--
47.5	Lewis	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
47.6	Lewis	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
47.6	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.9	--	--	--	0.9	--	--
47.7	Lewis	GuC	Gilpin-Upshur silt loams, 8 to 15 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
47.7	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	0.1	--	--
47.8	Lewis	GuC	Gilpin-Upshur silt loams, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
47.8	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	0.1	--	--
47.9	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
48	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.8	--	--	--	0.8	--	--
48	Lewis	VaD	Vandalia silt loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
48.1	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.7	--	--	--	0.7	--	--
48.1	Lewis	VaD	Vandalia silt loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
48.2	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.9	--	--	--	0.9	--	--
48.2	Lewis	JaE	Janelew channery silt loam, steep	--	--	0.6	--	--	--	0.6	--	--
48.3	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
48.4	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
48.5	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
48.6	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
48.7	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.7	--	--	--	1.7	--	--
48.8	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
48.9	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
49	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
49.1	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
49.2	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
49.3	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.9	--	--	--	0.9	--	--
49.3	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.6	--	--	--	0.6	--	--
49.4	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.7	--	--	--	0.7	--	--
49.4	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.9	--	--	--	0.9	--	--
49.5	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
49.6	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.0	--	--	--	1.0	--	--
49.6	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.4	--	--	--	0.4	--	--
49.7	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
49.8	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
49.9	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.2	--	--	--	1.2	--	--
49.9	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.3	--	--	--	0.3	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
50	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
50.1	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.4	--	--	--	1.4	--	--
50.2	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.6	--	--	--	0.6	--	--
50.2	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.9	--	--	--	0.9	--	--
50.3	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
50.4	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
50.5	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.3	--	--	--	1.3	--	--
50.5	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.3	--	--	--	0.3	--	--
50.6	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
50.7	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
50.8	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
50.9	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.9	--	--	--	0.9	--	--
50.9	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.6	--	--	--	0.6	--	--
51	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.4	--	--	--	1.4	--	--
51	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	0.2	--	--
51.1	Lewis	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
51.1	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.4	--	--	--	0.4	--	--
51.1	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.6	--	--	--	0.6	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
51.2	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.1	--	--	--	0.1	--	--
51.2	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.8	--	--	--	0.8	--	--
51.2	Lewis	Su	Sensabaugh silt loam	0.5	--	--	--	--	--	--	--	--
51.3	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.1	--	--	--	1.1	--	--
51.3	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.4	--	--	--	0.4	--	--
51.4	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.7	--	--	--	0.7	--	--
51.4	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.7	--	--	--	0.7	--	--
51.5	Lewis	GaF	Gilpin silt loam, 35 to 70 percent slopes	--	--	1.2	--	--	--	1.2	--	--
51.5	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.3	--	--	--	0.3	--	--
51.6	Lewis	GaF	Gilpin silt loam, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
51.7	Lewis	GaF	Gilpin silt loam, 35 to 70 percent slopes	--	--	1.1	--	--	--	1.1	--	--
51.7	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.4	--	--	--	0.4	--	--
51.8	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
51.9	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
52	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
52	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
52.1	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
52.2	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.0	--	--	--	1.0	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
52.2	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.5	--	--	--	0.5	--	--
52.3	Lewis	Cn	Chagrin silt loam, 0 to 3 percent slopes, occasionally flooded	0.0	--	--	--	--	--	0.0	--	--
52.3	Lewis	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
52.3	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.6	--	--	--	0.6	--	--
52.4	Lewis	Cn	Chagrin silt loam, 0 to 3 percent slopes, occasionally flooded	0.4	--	--	--	--	--	0.4	--	--
52.4	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.7	--	--	--	0.7	--	--
52.4	Lewis	VaD	Vandalia silt loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
52.5	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
52.6	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
52.7	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
52.8	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
52.9	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
53	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
53.1	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
53.2	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.3	--	--	--	1.3	--	--
53.3	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
53.4	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
53.5	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
53.6	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.7	--	--	--	1.7	--	--
53.7	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
53.8	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
53.9	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
54	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
54.1	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
54.2	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
54.3	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
54.4	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
54.5	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
54.6	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
54.7	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
54.8	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
54.9	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
55	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
55.1	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
55.2	Lewis	Cn	Chagrin silt loam, 0 to 3 percent slopes, occasionally flooded	0.7	--	--	--	--	--	0.7	--	--
55.2	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.7	--	--	--	0.7	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
55.3	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
55.4	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
55.5	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
55.6	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
55.7	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
55.8	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.1	--	--	--	1.1	--	--
55.9	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
56	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
56.1	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
56.2	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
56.3	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
56.4	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
56.5	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
56.6	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
56.7	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
56.8	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
56.9	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
57	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
57.1	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
57.2	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
57.3	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
57.4	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
57.5	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
57.6	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
57.7	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
57.8	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
57.9	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
58	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
58.1	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
58.2	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
58.3	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
58.4	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
58.5	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
58.6	Lewis	Cn	Chagrin silt loam, 0 to 3 percent slopes, occasionally flooded	0.2	--	--	--	--	--	0.2	--	--
58.6	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.0	--	--	--	1.0	--	--
58.6	Lewis	Su	Sensabaugh silt loam	0.3	--	--	--	--	--	--	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
58.7	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.5	--	--	--	0.5	--	--
58.7	Lewis	Su	Sensabaugh silt loam	0.2	--	--	--	--	--	--	--	--
58.7	Lewis	VaE	Vandalia silt loam, 25 to 35 percent slopes	--	--	0.6	--	--	--	0.6	--	--
58.8	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
58.9	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
59	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
59.1	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
59.2	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
59.3	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
59.4	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.7	--	--	--	1.7	--	--
59.5	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.2	--	--	--	1.2	--	--
59.6	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
59.7	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
59.8	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
59.9	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
60	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.2	--	--	--	1.2	--	--
60.1	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
60.2	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.5	--	--	--	0.5	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
60.2	Lewis	UF	Udorthents, smoothed	--	--	--	--	--	--	0.7	--	--
60.3	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
60.3	Lewis	UF	Udorthents, smoothed	--	--	--	--	--	--	0.0	--	--
60.4	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.7	--	--	--	0.7	--	--
60.4	Lewis	VaD	Vandalia silt loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
60.5	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.0	--	--	--	1.0	--	--
60.5	Lewis	VaD	Vandalia silt loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
60.6	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.0	--	--	--	1.0	--	--
60.6	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.5	--	--	--	0.5	--	--
60.7	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.5	--	--	--	0.5	--	--
60.7	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.2	--	--	--	1.2	--	--
60.8	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.5	--	--	--	0.5	--	--
60.8	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.0	--	--	--	1.0	--	--
60.9	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
61	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
61.1	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
61.2	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.5	--	--	--	0.5	--	--
61.2	Lewis	VaE	Vandalia silt loam, 25 to 35 percent slopes	--	--	1.0	--	--	--	1.0	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
61.3	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
61.3	Lewis	VaE	Vandalia silt loam, 25 to 35 percent slopes	--	--	1.4	--	--	--	1.4	--	--
61.4	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.9	--	--	--	0.9	--	--
61.4	Lewis	VaE	Vandalia silt loam, 25 to 35 percent slopes	--	--	0.4	--	--	--	0.4	--	--
61.5	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.0	--	--	--	0.0	--	--
61.5	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
61.6	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.3	--	--	--	1.3	--	--
61.6	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	0.1	--	--
61.7	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.1	--	--	--	0.1	--	--
61.7	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
61.8	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
61.9	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.1	--	--	--	1.1	--	--
61.9	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.4	--	--	--	0.4	--	--
62	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.6	--	--	--	1.6	--	--
62.1	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.9	--	--	--	0.9	--	--
62.1	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.6	--	--	--	0.6	--	--
62.2	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
62.2	Lewis	Su	Sensabaugh silt loam	0.1	--	--	--	--	--	--	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
62.3	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.4	--	--	--	0.4	--	--
62.3	Lewis	Su	Sensabaugh silt loam	1.0	--	--	--	--	--	--	--	--
62.4	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
62.5	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
62.6	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
62.7	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
62.8	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
62.9	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
63	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
63.1	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.7	--	--	--	1.7	--	--
63.2	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
63.3	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
63.4	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
63.5	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--
63.6	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
63.7	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
63.8	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.2	--	--	--	0.2	--	--
63.8	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.4	--	--	--	1.4	--	--

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Appendix 7A-1 (Revised July 2016)
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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
63.9	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.4	--	--	--	1.4	--	--
64	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
64	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
64.1	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
64.1	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
64.2	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.6	--	--	--	0.6	--	--
64.2	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.9	--	--	--	0.9	--	--
64.3	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
64.4	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
64.5	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
64.6	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
64.7	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
64.8	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.1	--	--	--	1.1	--	--
64.8	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.5	--	--	--	0.5	--	--
64.9	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
64.9	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
65	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.3	--	--	--	1.3	--	--
65	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	0.1	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
65.1	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
65.2	Lewis	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.0	--	--	--	1.0	--	--
65.2	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.5	--	--	--	0.5	--	--
65.3	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.6	--	--	--	1.6	--	--
65.4	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
65.5	Lewis	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.9	--	--	--	0.9	--	--
65.5	Lewis	VaD	Vandalia silt loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
65.6	Lewis	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.5	--	--	--	0.5	--	--
65.6	Lewis	VaD	Vandalia silt loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
65.6	Lewis			--	--	--	--	--	--	0.5	--	--
65.7	Braxton	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
65.7	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.6	--	--	--	0.6	--	--
65.8	Braxton	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
65.8	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.1	--	--	--	0.1	--	--
65.9	Braxton	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.6	--	1.6	--	--	--	1.6	--	--
66	Braxton	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
66.1	Braxton	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
66.2	Braxton	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
66.2	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.1	--	--	--	0.1	--	--
66.3	Braxton	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
66.3	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.1	--	--	--	0.1	--	--
66.4	Braxton	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
66.4	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.0	--	--	--	0.0	--	--
66.5	Braxton	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
66.5	Braxton	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
66.5	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.3	--	--	--	0.3	--	--
66.6	Braxton	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
66.6	Braxton	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
66.7	Braxton	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
66.7	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.2	--	--	--	0.2	--	--
66.8	Braxton	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
66.8	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.1	--	--	--	0.1	--	--
66.9	Braxton	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
66.9	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.2	--	--	--	0.2	--	--
67	Braxton	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
67.1	Braxton	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
67.1	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.2	--	--	--	0.2	--	--
67.2	Braxton	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
67.2	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.1	--	--	--	0.1	--	--
67.3	Braxton	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
67.3	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.3	--	--	--	0.3	--	--
67.4	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.8	--	--	--	0.8	--	--
67.4	Braxton	SrB	Sensabaugh silt loam, 3 to 8 percent slopes, rarely flooded	0.1	0.1	--	--	--	0.1	--	--	--
67.4	Braxton	VaE	Vandalia silt loam, 25 to 35 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
67.5	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.3	--	--	--	0.3	--	--
67.5	Braxton	SrB	Sensabaugh silt loam, 3 to 8 percent slopes, rarely flooded	0.7	0.7	--	--	--	0.7	--	--	--
67.5	Braxton	VaE	Vandalia silt loam, 25 to 35 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
67.6	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
67.7	Braxton	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
67.7	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.6	--	--	--	0.6	--	--
67.8	Braxton	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
67.8	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.4	--	--	--	0.4	--	--
67.9	Braxton	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
67.9	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.0	--	--	--	0.0	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
68	Braxton	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
68.1	Braxton	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
68.1	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.1	--	--	--	0.1	--	--
68.2	Braxton	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
68.2	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.2	--	--	--	0.2	--	--
68.3	Braxton	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
68.3	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	1.1	--	--	--	1.1	--	--
68.4	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
68.5	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
68.6	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
68.6	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	1.1	--	--	--	1.1	--	--
68.7	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
68.7	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	1.1	--	--	--	1.1	--	--
68.7	Braxton	SoA	Sensabaugh silt loam, 0 to 3 percent slopes, occasionally flooded	0.1	0.1	--	--	--	0.1	--	--	--
68.8	Braxton	SoA	Sensabaugh silt loam, 0 to 3 percent slopes, occasionally flooded	1.2	1.2	--	--	--	1.2	--	--	--
68.8	Braxton	SrB	Sensabaugh silt loam, 3 to 8 percent slopes, rarely flooded	0.0	0.0	--	--	--	0.0	--	--	--
68.9	Braxton	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
68.9	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.8	--	--	--	0.8	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
68.9	Braxton	SoA	Sensabaugh silt loam, 0 to 3 percent slopes, occasionally flooded	0.1	0.1	--	--	--	0.1	--	--	--
69	Braxton	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
69	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.3	--	--	--	0.3	--	--
69.1	Braxton	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
69.1	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.5	--	--	--	0.5	--	--
69.2	Braxton	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
69.2	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	1.1	--	--	--	1.1	--	--
69.3	Braxton	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
69.4	Braxton	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
69.5	Braxton	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
69.6	Braxton	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
69.6	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.0	--	--	--	0.0	--	--
69.7	Braxton	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
69.7	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.1	--	--	--	0.1	--	--
69.8	Braxton	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
69.8	Braxton	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
69.9	Braxton	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
69.9	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.0	--	--	--	0.0	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
70	Braxton	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
70	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.7	--	--	--	0.7	--	--
70.1	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.5	--	--	--	0.5	--	--
70.1	Braxton	VxE	Vandalia silt loam, 15 to 35 percent slopes, very stony	0.9	--	0.9	--	--	--	0.9	--	0.9
70.2	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
70.2	Braxton	VxE	Vandalia silt loam, 15 to 35 percent slopes, very stony	0.0	--	0.0	--	--	--	0.0	--	0.0
70.3	Braxton	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
70.3	Braxton	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.5	--	--	--	0.5	--	--
70.4	Braxton	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
70.4	Braxton	GxF	Gilpin-Upshur silt loams, 35 to 70 percent slopes, extremely bouldery	--	--	0.6	--	--	--	0.6	--	--
70.5	Braxton	GxF	Gilpin-Upshur silt loams, 35 to 70 percent slopes, extremely bouldery	--	--	1.5	--	--	--	1.5	--	--
70.6	Braxton	GxF	Gilpin-Upshur silt loams, 35 to 70 percent slopes, extremely bouldery	--	--	1.5	--	--	--	1.5	--	--
70.7	Braxton	GxF	Gilpin-Upshur silt loams, 35 to 70 percent slopes, extremely bouldery	--	--	1.5	--	--	--	1.5	--	--
70.8	Braxton	GxF	Gilpin-Upshur silt loams, 35 to 70 percent slopes, extremely bouldery	--	--	1.5	--	--	--	1.5	--	--
70.9	Braxton	GxF	Gilpin-Upshur silt loams, 35 to 70 percent slopes, extremely bouldery	--	--	1.5	--	--	--	1.5	--	--
71	Braxton	GxF	Gilpin-Upshur silt loams, 35 to 70 percent slopes, extremely bouldery	--	--	1.5	--	--	--	1.5	--	--
71.1	Braxton	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
71.1	Braxton	GxF	Gilpin-Upshur silt loams, 35 to 70 percent slopes, extremely bouldery	--	--	0.5	--	--	--	0.5	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
71.2	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1
71.2	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
71.2	Braxton	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
71.3	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
71.3	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
71.4	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
71.4	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
71.5	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
71.5	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
71.6	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
71.6	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
71.7	Braxton	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.3
71.7	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.4	--	--	--	0.4	--	0.4
71.7	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
71.8	Braxton	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	1.0
71.8	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
71.9	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
72	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
72	Braxton	GlC	Gilpin-Lily complex, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
72.1	Braxton	GlC	Gilpin-Lily complex, 8 to 15 percent slopes	1.7	--	1.7	--	--	--	1.7	--	--
72.2	Braxton	GlC	Gilpin-Lily complex, 8 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
72.2	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
72.3	Braxton	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.1
72.3	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
72.3	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
72.4	Braxton	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.9
72.4	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
72.4	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
72.5	Braxton	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.2
72.5	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
72.5	Braxton	Po	Pope sandy loam	0.4	--	--	--	--	--	0.4	--	--
72.6	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
72.6	Braxton	Po	Pope sandy loam	0.2	--	--	--	--	--	0.2	--	--
72.7	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
72.7	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
72.8	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
72.8	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
72.9	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
72.9	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
73	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	1.6	--	1.6	--	--	--	1.6	--	--
73.1	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
73.2	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
73.2	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
73.3	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
73.3	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
73.4	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
73.4	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
73.5	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
73.5	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
73.6	Braxton	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	1.0
73.6	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
73.7	Braxton	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.9
73.7	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
73.8	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8

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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
73.8	Braxton	GlC	Gilpin-Lily complex, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
73.8	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
73.9	Braxton	GlC	Gilpin-Lily complex, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
73.9	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
74	Braxton	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.5
74	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
74	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
74.1	Braxton	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	1.0
74.1	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
74.2	Braxton	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	1.0
74.2	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
74.3	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
74.3	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
74.4	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
74.4	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
74.5	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
74.5	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
74.6	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7

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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
74.6	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
74.6	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
74.7	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
74.7	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
74.8	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
74.8	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
74.9	Braxton	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.8
74.9	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
74.9	Braxton	W	Water	--	--	--	--	--	--	0.0	--	--
75	Braxton	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.1
75	Braxton	Ch	Chavies fine sandy loam, rarely flooded	1.1	--	--	--	--	--	1.1	--	--
75	Braxton	W	Water	--	--	--	--	--	--	0.1	--	--
75.1	Braxton	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	1.4
75.1	Braxton	Ch	Chavies fine sandy loam, rarely flooded	0.0	--	--	--	--	--	0.0	--	--
75.1	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
75.2	Braxton	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.1
75.2	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
75.2	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--

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Appendix 7A-1 (Revised July 2016)
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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
75.3	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.6	--	1.6	--	--	--	1.6	--	--
75.4	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
75.5	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
75.6	Braxton	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.0
75.6	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
75.7	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
75.8	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
75.9	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.6	--	1.6	--	--	--	1.6	--	--
76	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
76.1	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
76.1	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
76.2	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
76.3	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
76.3	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
76.4	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
76.4	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
76.5	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
76.5	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--

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Appendix 7A-1 (Revised July 2016)
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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
76.6	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
76.6	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
76.7	Braxton	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.3
76.7	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
76.8	Braxton	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	1.3
76.9	Braxton	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.7
76.9	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
77	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
77	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
77.1	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
77.1	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
77.2	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
77.3	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
77.4	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
77.4	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
77.5	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
77.5	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
77.6	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.4	--	--	--	0.4	--	0.4

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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
77.6	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
77.7	Braxton	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	1.1
77.7	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
77.8	Braxton	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.6
77.8	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
77.8	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
77.9	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
77.9	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
78	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
78	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
78.1	Braxton	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.6
78.1	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.4	--	--	--	0.4	--	0.4
78.1	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
78.2	Braxton	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	1.2
78.2	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
78.3	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
78.3	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
78.4	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1

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78.4	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.6	--	1.6	--	--	--	1.6	--	--
78.5	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
78.5	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
78.6	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
78.6	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
78.7	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
78.8	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
78.8	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
78.9	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.4	--	--	--	0.4	--	0.4
78.9	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
79	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1
79	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
79.1	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.4	--	--	--	0.4	--	0.4
79.1	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
79.2	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
79.2	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
79.3	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
79.4	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2

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79.4	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
79.5	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
79.6	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
79.6	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
79.7	Braxton	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.0
79.7	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	1.4	--	--	--	1.4	--	1.4
79.7	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
79.8	Braxton	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	1.4
79.8	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
79.9	Braxton	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.4
79.9	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1
80	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
80	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
80.1	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
80.2	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
80.2	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
80.3	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
80.3	Braxton	GbE	Gilpin silt loam, 25 to 35 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--

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80.3	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
80.4	Webster	CSF	Clifftop-Laidig association, very steep, extremely stony	--	--	0.2	--	--	--	--	--	0.2
80.4	Webster	GbE	Gilpin silt loam, 25 to 35 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
80.5	Webster	CSF	Clifftop-Laidig association, very steep, extremely stony	--	--	0.0	--	--	--	--	--	0.0
80.5	Webster	GbC	Gilpin silt loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
80.5	Webster	GbE	Gilpin silt loam, 25 to 35 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
80.6	Webster	GbC	Gilpin silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
80.6	Webster	GbE	Gilpin silt loam, 25 to 35 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
80.7	Webster	CSF	Clifftop-Laidig association, very steep, extremely stony	--	--	1.0	--	--	--	--	--	1.0
80.7	Webster	GbC	Gilpin silt loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
80.8	Webster	CSF	Clifftop-Laidig association, very steep, extremely stony	--	--	1.1	--	--	--	--	--	1.1
80.9	Webster	CSF	Clifftop-Laidig association, very steep, extremely stony	--	--	0.5	--	--	--	--	--	0.5
80.9	Webster	GbE	Gilpin silt loam, 25 to 35 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
81	Webster	CSF	Clifftop-Laidig association, very steep, extremely stony	--	--	0.4	--	--	--	--	--	0.4
81	Webster	GbE	Gilpin silt loam, 25 to 35 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
81.1	Webster	CSF	Clifftop-Laidig association, very steep, extremely stony	--	--	0.2	--	--	--	--	--	0.2
81.1	Webster	GbE	Gilpin silt loam, 25 to 35 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
81.2	Webster	CSF	Clifftop-Laidig association, very steep, extremely stony	--	--	0.1	--	--	--	--	--	0.1

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Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
81.2	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	1.0	--	1.0	--	1.0	--	1.0
81.2	Webster	GbE	Gilpin silt loam, 25 to 35 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
81.3	Webster	CSF	Clifftop-Laidig association, very steep, extremely stony	--	--	0.2	--	--	--	--	--	0.2
81.3	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	1.3	--	1.3	--	1.3	--	1.3
81.4	Webster	CSF	Clifftop-Laidig association, very steep, extremely stony	--	--	1.4	--	--	--	--	--	1.4
81.4	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.1	--	0.1	--	0.1	--	0.1
81.5	Webster	CSF	Clifftop-Laidig association, very steep, extremely stony	--	--	1.5	--	--	--	--	--	1.5
81.6	Webster	CSF	Clifftop-Laidig association, very steep, extremely stony	--	--	1.5	--	--	--	--	--	1.5
81.7	Webster	Ch	Chavies fine sandy loam, moist, 0 to 3 percent slopes, rarely flooded	0.5	--	--	--	--	--	0.5	--	--
81.7	Webster	CSF	Clifftop-Laidig association, very steep, extremely stony	--	--	0.1	--	--	--	--	--	0.1
81.7	Webster	CtB	Cotaco silt loam, 3 to 8 percent slopes	0.3	--	--	--	--	--	--	--	--
81.7	Webster	W	Water	--	--	--	--	--	--	0.2	--	--
81.8	Webster	CtB	Cotaco silt loam, 3 to 8 percent slopes	0.5	--	--	--	--	--	--	--	--
81.8	Webster	LdE	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	1.0	--	1.0	--	--	--	1.0
81.9	Webster	LdE	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	1.5	--	1.5	--	--	--	1.5
82	Webster	LdE	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	0.7	--	0.7	--	--	--	0.7
82	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.9	--	--	--	0.9	--	0.9
82.1	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely	--	--	1.5	--	--	--	1.5	--	1.5

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Appendix 7A-1 (Revised July 2016)
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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
			stony									
82.2	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
82.3	Webster	LdE	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	0.5	--	0.5	--	--	--	0.5
82.3	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.9	--	--	--	0.9	--	0.9
82.4	Webster	Ch	Chavies fine sandy loam, moist, 0 to 3 percent slopes, rarely flooded	0.1	--	--	--	--	--	0.1	--	--
82.4	Webster	LdE	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	0.2	--	0.2	--	--	--	0.2
82.4	Webster	Po	Pope loam	0.7	--	--	--	--	--	0.7	--	--
82.5	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.0	--	--	--	1.0	--	1.0
82.5	Webster	Po	Pope loam	0.5	--	--	--	--	--	0.5	--	--
82.6	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.4	--	--	--	1.4	--	1.4
82.7	Webster	LdE	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	0.4	--	0.4	--	--	--	0.4
82.7	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.8	--	--	--	0.8	--	0.8
82.8	Webster	LdE	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	0.2	--	0.2	--	--	--	0.2
82.8	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.3	--	--	--	1.3	--	1.3
82.9	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
83	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.3	--	--	--	1.3	--	1.3

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Appendix 7A-1 (Revised July 2016)
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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
83	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.4	--	--	--	0.4	--	0.4
83.1	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
83.2	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.4	--	--	--	1.4	--	1.4
83.2	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0
83.3	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
83.4	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.8	--	0.8	--	0.8	--	0.8
83.4	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.7	--	--	--	0.7	--	0.7
83.5	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	1.3	--	1.3	--	1.3	--	1.3
83.5	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.2	--	--	--	0.2	--	0.2
83.6	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	1.4	--	1.4	--	1.4	--	1.4
83.6	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1
83.7	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	1.0	--	1.0	--	1.0	--	1.0
83.7	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.6	--	--	--	0.6	--	0.6
83.8	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
83.9	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
84	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.8	--	--	--	0.8	--	0.8
84	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.7	--	--	--	0.7	--	0.7
84.1	Webster	Ch	Chavies fine sandy loam, moist, 0 to 3 percent slopes, rarely flooded	0.4	--	--	--	--	--	0.4	--	--
84.1	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.8	--	--	--	0.8	--	0.8
84.1	Webster	W	Water	--	--	--	--	--	--	0.1	--	--
84.2	Webster	Ch	Chavies fine sandy loam, moist, 0 to 3 percent slopes, rarely flooded	0.0	--	--	--	--	--	0.0	--	--
84.2	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.3	--	--	--	1.3	--	1.3
84.2	Webster	W	Water	--	--	--	--	--	--	0.1	--	--
84.3	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
84.4	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
84.5	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
84.6	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.1	--	0.1	--	0.1	--	0.1
84.6	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.4	--	--	--	1.4	--	1.4
84.7	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	1.5	--	1.5	--	1.5	--	1.5
84.7	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0

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Appendix 7A-1 (Revised July 2016)
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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
84.8	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	1.5	--	1.5	--	1.5	--	1.5
84.8	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0
84.9	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	1.5	--	1.5	--	1.5	--	1.5
85	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.7	--	0.7	--	0.7	--	0.7
85	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.8	--	--	--	0.8	--	0.8
85.1	Webster	GbD	Gilpin silt loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
85.1	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.4	--	--	--	1.4	--	1.4
85.2	Webster	GbD	Gilpin silt loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
85.2	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.6	--	--	--	0.6	--	0.6
85.3	Webster	GbD	Gilpin silt loam, 15 to 25 percent slopes	1.6	--	1.6	--	--	--	1.6	--	--
85.4	Webster	GbD	Gilpin silt loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
85.4	Webster	GbE	Gilpin silt loam, 25 to 35 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
85.4	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.5	--	--	--	0.5	--	0.5
85.5	Webster	GbE	Gilpin silt loam, 25 to 35 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
85.5	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.3	--	--	--	0.3	--	0.3
85.6	Webster	GbE	Gilpin silt loam, 25 to 35 percent	1.5	--	1.5	--	--	--	1.5	--	--

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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
			slopes									
85.6	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0
85.7	Webster	GbE	Gilpin silt loam, 25 to 35 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
85.7	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.8	--	--	--	0.8	--	0.8
85.8	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.2	--	0.2	--	0.2	--	0.2
85.8	Webster	GbE	Gilpin silt loam, 25 to 35 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
85.8	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.3	--	--	--	1.3	--	1.3
85.9	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	1.5	--	1.5	--	1.5	--	1.5
85.9	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0
86	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	1.5	--	1.5	--	1.5	--	1.5
86.1	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.5	--	0.5	--	0.5	--	0.5
86.1	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.0	--	--	--	1.0	--	1.0
86.2	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.0	--	0.0	--	0.0	--	0.0
86.2	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.6	--	--	--	1.6	--	1.6
86.3	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.8	--	--	--	0.8	--	0.8
86.3	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely	--	--	0.7	--	--	--	0.7	--	0.7

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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
			stony									
86.4	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
86.5	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.2	--	--	--	0.2	--	0.2
86.5	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.2	--	--	--	1.2	--	1.2
86.6	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
86.7	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
86.8	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
86.9	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
87	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
87.1	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
87.2	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
87.3	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.4	--	--	--	1.4	--	1.4
87.4	Webster	Ch	Chavies fine sandy loam, moist, 0 to 3 percent slopes, rarely flooded	0.6	--	--	--	--	--	0.6	--	--
87.4	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.5	--	--	--	0.5	--	0.5

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87.4	Webster	W	Water	--	--	--	--	--	--	0.3	--	--
87.5	Webster	Ch	Chavies fine sandy loam, moist, 0 to 3 percent slopes, rarely flooded	0.5	--	--	--	--	--	0.5	--	--
87.5	Webster	LdE	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	0.4	--	0.4	--	--	--	0.4
87.6	Webster	LdE	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	0.9	--	0.9	--	--	--	0.9
87.7	Webster	LdE	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	1.4	--	1.4	--	--	--	1.4
87.7	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0
87.8	Webster	LdE	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	0.0	--	0.0	--	--	--	0.0
87.8	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.4	--	--	--	1.4	--	1.4
87.9	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
88	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
88.1	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.4	--	--	--	1.4	--	1.4
88.2	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.4	--	--	--	1.4	--	1.4
88.3	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
88.4	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	0.1	--	0.1	--	--	--	0.1	--	0.1
88.4	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5

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88.5	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	1.5	--	1.5	--	--	--	1.5	--	1.5
88.5	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1
88.5	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0
88.6	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.3	--	--	--	1.3	--	1.3
88.7	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
88.8	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
88.9	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
89	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
89.1	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
89.2	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
89.3	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	1.2	--	1.2	--	--	--	1.2	--	1.2
89.3	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.2	--	--	--	0.2	--	0.2
89.3	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1
89.4	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	1.4	--	1.4	--	--	--	1.4	--	1.4
89.5	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	1.5	--	1.5	--	--	--	1.5	--	1.5
89.6	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	1.3	--	1.3	--	--	--	1.3	--	1.3
89.6	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
89.7	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	0.0	--	0.0	--	--	--	0.0	--	0.0
89.7	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.0	--	--	--	1.0	--	1.0
89.8	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
89.9	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
90	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.1	--	0.1	--	0.1	--	0.1
90	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.4	--	--	--	1.4	--	1.4
90.1	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
90.2	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.8	--	0.8	--	0.8	--	0.8
90.2	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.7	--	--	--	0.7	--	0.7
90.3	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	1.5	--	1.5	--	1.5	--	1.5
90.4	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.9	--	0.9	--	0.9	--	0.9
90.4	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.6	--	--	--	0.6	--	0.6
90.5	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
90.6	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
90.7	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.4	--	--	--	1.4	--	1.4
90.8	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.4	--	--	--	1.4	--	1.4

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
90.9	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
91	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	1.0	--	1.0	--	1.0	--	1.0
91	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.5	--	--	--	0.5	--	0.5
91.1	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.6	--	0.6	--	0.6	--	0.6
91.1	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.9	--	--	--	0.9	--	0.9
91.2	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
91.3	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
91.4	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
91.5	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
91.6	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.4	--	--	--	1.4	--	1.4
91.7	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.0	--	--	--	1.0	--	1.0
91.7	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.3	--	--	--	0.3	--	0.3
91.8	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
91.9	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
92	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
92.1	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.6	--	--	--	1.6	--	1.6
92.2	Webster	GdE	Gilpin-Dekalb complex, 15 to 35	--	--	1.5	--	--	--	1.5	--	1.5

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
			percent slopes, extremely stony									
92.3	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.4	--	--	--	0.4	--	0.4
92.3	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.2	--	--	--	1.2	--	1.2
92.4	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
92.5	Webster	Cv	Craigsville gravelly loam, 0 to 5 percent slopes	0.6	--	--	--	--	--	0.6	--	--
92.5	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.6	--	--	--	0.6	--	0.6
92.6	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
92.7	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.1	--	0.1	--	0.1	--	0.1
92.7	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	0.5	--	0.5	--	--	--	0.5	--	0.5
92.7	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.9	--	--	--	0.9	--	0.9
92.8	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.5	--	0.5	--	0.5	--	0.5
92.8	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	1.0	--	1.0	--	--	--	1.0	--	1.0
92.9	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	1.2	--	1.2	--	1.2	--	1.2
92.9	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.4	--	--	--	0.4	--	0.4
93	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
93.1	Webster	Cv	Craigsville gravelly loam, 0 to 5 percent slopes	0.7	--	--	--	--	--	0.7	--	--
93.1	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.3	--	--	--	0.3	--	0.3
93.2	Webster	Cv	Craigsville gravelly loam, 0 to 5 percent slopes	0.9	--	--	--	--	--	0.9	--	--
93.3	Webster	Cv	Craigsville gravelly loam, 0 to 5 percent slopes	0.1	--	--	--	--	--	0.1	--	--
93.3	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.3	--	--	--	1.3	--	1.3
93.4	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.6	--	--	--	1.6	--	1.6
93.5	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.6	--	0.6	--	0.6	--	0.6
93.5	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	0.2	--	0.2	--	--	--	0.2	--	0.2
93.5	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.7	--	--	--	0.7	--	0.7
93.6	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	1.3	--	1.3	--	--	--	1.3	--	1.3
93.7	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	1.5	--	1.5	--	--	--	1.5	--	1.5
93.8	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	1.5	--	1.5	--	--	--	1.5	--	1.5
93.9	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.1	--	0.1	--	0.1	--	0.1
93.9	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	1.4	--	1.4	--	--	--	1.4	--	1.4
94	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.1	--	0.1	--	0.1	--	0.1
94	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	1.4	--	1.4	--	--	--	1.4	--	1.4

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
94.1	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.1	--	0.1	--	0.1	--	0.1
94.1	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	1.4	--	1.4	--	--	--	1.4	--	1.4
94.1	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0
94.2	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.8	--	0.8	--	0.8	--	0.8
94.2	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	0.5	--	0.5	--	--	--	0.5	--	0.5
94.2	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.3	--	--	--	0.3	--	0.3
94.3	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.5	--	0.5	--	0.5	--	0.5
94.3	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.0	--	--	--	1.0	--	1.0
94.4	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
94.5	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.6	--	0.6	--	0.6	--	0.6
94.5	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.9	--	--	--	0.9	--	0.9
94.6	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	1.2	--	1.2	--	1.2	--	1.2
94.6	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.3	--	--	--	0.3	--	0.3
94.7	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.1	--	0.1	--	0.1	--	0.1
94.7	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.2	--	--	--	1.2	--	1.2

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
94.7	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.2	--	--	--	0.2	--	0.2
94.8	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.1	--	0.1	--	0.1	--	0.1
94.8	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.4	--	--	--	1.4	--	1.4
94.9	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.6	--	--	--	1.6	--	1.6
95	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.0	--	0.0	--	0.0	--	0.0
95	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
95.1	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.1	--	0.1	--	0.1	--	0.1
95.1	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.4	--	--	--	1.4	--	1.4
95.2	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.3	--	0.3	--	0.3	--	0.3
95.2	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	0.9	--	0.9	--	--	--	0.9	--	0.9
95.2	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.4	--	--	--	0.4	--	0.4
95.3	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.1	--	0.1	--	0.1	--	0.1
95.3	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	1.2	--	1.2	--	--	--	1.2	--	1.2
95.3	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0
95.4	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	1.1	--	1.1	--	--	--	1.1	--	1.1
95.4	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.3	--	--	--	0.3	--	0.3
95.5	Webster	GcC	Gilpin silt loam, 3 to 15 percent	1.1	--	1.1	--	--	--	1.1	--	1.1

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Appendix 7A-1 (Revised July 2016)
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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
			slopes, very stony									
95.6	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.1	--	0.1	--	0.1	--	0.1
95.6	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	0.9	--	0.9	--	--	--	0.9	--	0.9
95.6	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1
95.7	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	0.3	--	0.3	--	--	--	0.3	--	0.3
95.7	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0
95.7	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.2	--	--	--	1.2	--	1.2
95.8	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0
95.8	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
95.9	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.9	--	--	--	0.9	--	0.9
95.9	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.7	--	--	--	0.7	--	0.7
96	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	1.2	--	1.2	--	--	--	1.2	--	1.2
96	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.4	--	--	--	0.4	--	0.4
96.1	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	1.5	--	1.5	--	--	--	1.5	--	1.5
96.2	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	1.5	--	1.5	--	--	--	1.5	--	1.5
96.3	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	1.5	--	1.5	--	--	--	1.5	--	1.5

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Appendix 7A-1 (Revised July 2016)
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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
96.3	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1
96.4	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	0.0	--	0.0	--	--	--	0.0	--	0.0
96.4	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.4	--	--	--	1.4	--	1.4
96.4	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1
96.5	Webster	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0
96.5	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
96.6	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.3	--	--	--	1.3	--	1.3
96.7	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
96.8	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	1.3	--	1.3	--	--	--	1.3	--	1.3
96.8	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.2	--	--	--	0.2	--	0.2
96.9	Webster	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	1.5	--	1.5	--	--	--	1.5	--	1.5
96.9	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1
97	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
97.1	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
97.2	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely	--	--	1.5	--	--	--	1.5	--	1.5

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
			stony									
97.3	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
97.4	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.6	--	--	--	1.6	--	1.6
97.5	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.6	--	--	--	1.6	--	1.6
97.6	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
97.7	Webster	Pe	Philo-Pope complex	0.7	--	--	--	--	--	--	--	--
97.7	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.6	--	--	--	0.6	--	0.6
97.8	Webster	Pe	Philo-Pope complex	0.4	--	--	--	--	--	--	--	--
97.8	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.7	--	--	--	0.7	--	0.7
97.9	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
98	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
98.1	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
98.2	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
98.3	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.6	--	--	--	1.6	--	1.6

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Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
98.4	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
98.5	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
98.6	Webster	Ch	Chavies fine sandy loam, moist, 0 to 3 percent slopes, rarely flooded	0.0	--	--	--	--	--	0.0	--	--
98.6	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
98.7	Webster	Ch	Chavies fine sandy loam, moist, 0 to 3 percent slopes, rarely flooded	0.7	--	--	--	--	--	0.7	--	--
98.7	Webster	LdE	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	0.4	--	0.4	--	--	--	0.4
98.7	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0
98.7	Webster	Po	Pope loam	0.1	--	--	--	--	--	0.1	--	--
98.8	Webster	LdE	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	0.9	--	0.9	--	--	--	0.9
98.9	Webster	LdE	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	0.8	--	0.8	--	--	--	0.8
98.9	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.3	--	--	--	0.3	--	0.3
99	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.6	--	--	--	1.6	--	1.6
99.1	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
99.2	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
99.3	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely	--	--	1.4	--	--	--	1.4	--	1.4

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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
			stony									
99.4	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.4	--	0.4	--	0.4	--	0.4
99.4	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.1	--	--	--	1.1	--	1.1
99.5	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	1.6	--	1.6	--	1.6	--	1.6
99.6	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	1.5	--	1.5	--	1.5	--	1.5
99.7	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	1.5	--	1.5	--	1.5	--	1.5
99.8	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	1.5	--	1.5	--	1.5	--	1.5
99.9	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	1.4	--	1.4	--	1.4	--	1.4
99.9	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0
100	Webster	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.0	--	0.0	--	0.0	--	0.0
100	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
100.1	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
100.2	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.6	--	--	--	1.6	--	1.6
100.3	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
100.4	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5

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Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
100.5	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
100.6	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.2	--	--	--	1.2	--	1.2
100.7	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.6	--	--	--	1.6	--	1.6
100.8	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
100.9	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
101	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
101.1	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
101.2	Webster	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
101.2	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.3	--	--	--	1.3	--	1.3
101.3	Webster	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
101.3	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.6	--	--	--	0.6	--	--
101.3	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.8	--	--	--	0.8	--	0.8
101.4	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.5	--	--	--	0.5	--	--
101.4	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.1	--	--	--	1.1	--	1.1

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
101.5	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.6	--	--	--	0.6	--	--
101.5	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.9	--	--	--	0.9	--	0.9
101.6	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
101.6	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.2	--	--	--	0.2	--	--
101.6	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.9	--	--	--	0.9	--	0.9
101.7	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
101.8	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
101.8	Webster	LaC	Laidig channery silt loam, 8 to 15 percent slopes	0.0	--	--	--	0.0	--	--	--	--
101.9	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
101.9	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.2	--	--	--	0.2	--	--
102	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.0	--	--	--	1.0	--	--
102	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.6	--	--	--	0.6	--	0.6
102.1	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.7	--	--	--	0.7	--	--
102.1	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.7	--	--	--	0.7	--	0.7
102.2	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.9	--	--	--	0.9	--	--
102.2	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.6	--	--	--	0.6	--	0.6

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
102.3	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.5	--	--	--	0.5	--	--
102.3	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.0	--	--	--	1.0	--	1.0
102.4	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.0	--	--	--	1.0	--	--
102.4	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.5	--	--	--	0.5	--	0.5
102.5	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.9	--	--	--	0.9	--	--
102.5	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.6	--	--	--	0.6	--	0.6
102.6	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.6	--	--	--	0.6	--	--
102.6	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.9	--	--	--	0.9	--	0.9
102.7	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.0	--	--	--	1.0	--	--
102.7	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.5	--	--	--	0.5	--	0.5
102.8	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.7	--	--	--	0.7	--	--
102.8	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.8	--	--	--	0.8	--	0.8
102.9	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.1	--	--	--	1.1	--	--
102.9	Webster	GbD	Gilpin silt loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
102.9	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1

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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
103	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.1	--	--	--	0.1	--	--
103	Webster	GbD	Gilpin silt loam, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
103.1	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.6	--	--	--	0.6	--	--
103.1	Webster	GbD	Gilpin silt loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
103.2	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.3	--	--	--	0.3	--	--
103.2	Webster	GbD	Gilpin silt loam, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
103.3	Webster	GbD	Gilpin silt loam, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
103.4	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.6	--	--	--	0.6	--	--
103.4	Webster	GbD	Gilpin silt loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
103.4	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.3	--	--	--	0.3	--	0.3
103.5	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.5	--	--	--	0.5	--	--
103.5	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	1.0	--	--	--	1.0	--	1.0
103.6	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
103.6	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.2	--	--	--	0.2	--	--
103.6	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.2	--	--	--	0.2	--	0.2
103.7	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.6	--	1.6	--	--	--	1.6	--	--
103.7	Webster	ClF	Clifftop channery silt loam, 35 to 70	--	--	0.0	--	--	--	0.0	--	--

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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
			percent slopes									
103.7	Webster	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0
103.8	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
103.8	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.0	--	--	--	1.0	--	--
103.9	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
103.9	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.8	--	--	--	0.8	--	--
104	Webster	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
104	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
104.1	Webster	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
104.1	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
104.2	Webster	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
104.2	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
104.3	Webster	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
104.3	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
104.4	Webster	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
104.4	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
104.5	Webster	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--

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104.5	Webster	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
104.5	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
104.5	Webster	CtB	Cotaco silt loam, 3 to 8 percent slopes	0.0	--	--	--	--	--	--	--	--
104.6	Webster	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
104.6	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
104.7	Webster	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
104.7	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
104.7	Webster	LaC	Laidig channery silt loam, 8 to 15 percent slopes	0.8	--	--	--	0.8	--	--	--	--
104.8	Webster	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
104.8	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
104.8	Webster	LaC	Laidig channery silt loam, 8 to 15 percent slopes	0.0	--	--	--	0.0	--	--	--	--
104.9	Webster	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
104.9	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
105	Webster	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
105	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.4	--	--	--	0.4	--	--
105.1	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.6	--	--	--	1.6	--	--
105.2	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.6	--	--	--	1.6	--	--
105.3	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
105.3	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.8	--	--	--	0.8	--	--
105.4	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.6	--	--	--	1.6	--	--
105.5	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
105.6	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
105.7	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
105.8	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
105.8	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.1	--	--	--	1.1	--	--
105.9	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
106	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
106.1	Webster	At	Atkins loam	0.3	0.3	--	--	--	0.3	0.3	0.3	--
106.1	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
106.2	Webster	At	Atkins loam	0.2	0.2	--	--	--	0.2	0.2	0.2	--
106.2	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
106.2	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.0	--	--	--	0.0	--	--
106.3	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
106.3	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.4	--	--	--	1.4	--	--
106.4	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.7	--	--	--	1.7	--	--
106.5	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
106.6	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.4	--	--	--	1.4	--	--
106.7	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
106.8	Webster	At	Atkins loam	0.8	0.8	--	--	--	0.8	0.8	0.8	--
106.8	Webster	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
106.8	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
106.8	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.1	--	--	--	0.1	--	--
106.9	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
106.9	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.6	--	--	--	0.6	--	--
107	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.6	--	--	--	1.6	--	--
107.1	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
107.2	Webster	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
107.2	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
107.3	Webster	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
107.3	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.3	--	--	--	0.3	--	--
107.4	Webster	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
107.5	Webster	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
107.6	Webster	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
107.6	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.6	--	--	--	0.6	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
107.7	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
107.8	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
107.9	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
108	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
108.1	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
108.2	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
108.3	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.6	--	--	--	1.6	--	--
108.4	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
108.5	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
108.6	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
108.7	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
108.8	Webster	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
108.8	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
108.8	Webster	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.2	--	--	--	0.2	--	--
108.9	Webster	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
108.9	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
109	Webster	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
109	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
109.1	Webster	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
109.1	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
109.2	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
109.3	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
109.4	Webster	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
109.4	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
109.5	Webster	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
109.5	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
109.6	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
109.7	Nicholas	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
109.7	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
109.7	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
109.8	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	1.0	--	--	--	1.0	--	1.0
109.8	Nicholas	Pp	Pope-Potomac complex, very cobbly	--	--	--	--	--	--	0.2	--	--
109.8	Nicholas	Pr	Pope-Craigsville complex	0.3	--	--	--	--	--	0.3	--	--
109.9	Webster	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
109.9	Webster	Pp	Pope-Potomac complex, very cobbly	--	--	--	--	--	--	0.9	--	--
110	Webster	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
110	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
110	Webster	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
110.1	Webster	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
110.1	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
110.1	Webster	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
110.2	Webster	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
110.2	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
110.2	Webster	LaC	Laidig channery silt loam, 8 to 15 percent slopes	0.1	--	--	--	0.1	--	--	--	--
110.3	Webster	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
110.3	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
110.3	Webster	LaC	Laidig channery silt loam, 8 to 15 percent slopes	0.7	--	--	--	0.7	--	--	--	--
110.4	Webster	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
110.4	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
110.5	Webster	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
110.5	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
110.6	Webster	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
110.6	Webster	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
110.7	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
110.8	Nicholas	BuD	Buchanan loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--

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Appendix 7A-1 (Revised July 2016)
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110.8	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
110.9	Nicholas	BuD	Buchanan loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
110.9	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
110.9	Nicholas	CtB	Cotaco silt loam, 3 to 8 percent slopes	0.6	--	--	--	--	--	--	--	--
111	Nicholas	CtB	Cotaco silt loam, 3 to 8 percent slopes	0.5	--	--	--	--	--	--	--	--
111	Nicholas	Ed	Elkins silt loam, drained	0.4	--	--	--	--	0.4	0.4	0.4	--
111.1	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
111.1	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
111.1	Nicholas	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.4	--	--	--	0.4	--	--
111.1	Nicholas	Ed	Elkins silt loam, drained	0.3	--	--	--	--	0.3	0.3	0.3	--
111.2	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
111.2	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
111.3	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
111.3	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
111.3	Nicholas	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.3	--	--	--	0.3	--	--
111.4	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
111.4	Nicholas	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.0	--	--	--	0.0	--	--
111.5	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
111.6	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
111.6	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
111.7	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
111.7	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1
111.8	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
111.8	Nicholas	KaF	Kaymine channery loam, very steep, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0
111.9	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
111.9	Nicholas	KaF	Kaymine channery loam, very steep, extremely stony	--	--	1.4	--	--	--	1.4	--	1.4
112	Nicholas	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
112	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
112.1	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
112.1	Nicholas	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
112.1	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
112.2	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
112.2	Nicholas	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
112.2	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
112.3	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
112.3	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
112.4	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
112.4	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
112.5	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
112.5	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
112.6	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
112.6	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
112.7	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
112.7	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
112.8	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
112.8	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
112.8	Nicholas	Ed	Elkins silt loam, drained	0.4	--	--	--	--	0.4	0.4	0.4	--
112.9	Nicholas	Ed	Elkins silt loam, drained	1.2	--	--	--	--	1.2	1.2	1.2	--
113	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
113	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
113	Nicholas	Ed	Elkins silt loam, drained	0.5	--	--	--	--	0.5	0.5	0.5	--
113.1	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
113.1	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
113.2	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
113.2	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
113.2	Nicholas	Ed	Elkins silt loam, drained	0.0	--	--	--	--	0.0	0.0	0.0	--
113.3	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
113.3	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
113.4	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
113.4	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
113.5	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
113.5	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
113.6	Nicholas	ClB	Clifftop channery silt loam, 3 to 8 percent slopes	0.0	--	--	--	--	--	0.0	--	--
113.6	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
113.6	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
113.7	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
113.7	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
113.8	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
113.8	Nicholas	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
113.9	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
113.9	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.5	--	0.5	--	0.5
114	Nicholas	BvC	Buchanan channery fine sandy loam, 8 to 15 percent slopes, extremely stony	--	--	0.9	--	--	--	0.9	--	0.9
114	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.4	--	0.4	--	0.4

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
114.1	Nicholas	BvC	Buchanan channery fine sandy loam, 8 to 15 percent slopes, extremely stony	--	--	0.5	--	--	--	0.5	--	0.5
114.1	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	1.0	--	1.0	--	1.0
114.2	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	1.3	--	1.3	--	1.3
114.3	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
114.3	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.1	--	0.1	--	0.1
114.3	Nicholas	LlC	Lily loam, 8 to 15 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
114.4	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.6	--	0.6	--	0.6
114.4	Nicholas	LlC	Lily loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
114.5	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	1.1	--	1.1	--	1.1
114.5	Nicholas	LlC	Lily loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
114.6	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.8	--	0.8	--	0.8
114.6	Nicholas	LlC	Lily loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
114.7	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.1	--	0.1	--	0.1
114.7	Nicholas	LlC	Lily loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
114.8	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	1.2	--	1.2	--	1.2
114.9	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	1.4	--	1.4	--	1.4
114.9	Nicholas	LlB	Lily loam, 3 to 8 percent slopes	0.1	--	--	--	--	--	0.1	--	--
115	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.2	--	--	--	0.2	--	0.2
115	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
115	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.9	--	0.9	--	0.9
115	Nicholas	LlB	Lily loam, 3 to 8 percent slopes	0.2	--	--	--	--	--	0.2	--	--
115.1	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.9	--	--	--	0.9	--	0.9
115.1	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
115.1	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.4	--	0.4	--	0.4
115.2	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	1.0	--	1.0	--	1.0
115.2	Nicholas	LlC	Lily loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
115.3	Nicholas	LlC	Lily loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
115.4	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.7	--	0.7	--	0.7
115.4	Nicholas	LlC	Lily loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
115.5	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	1.2	--	1.2	--	1.2
115.6	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.3	--	0.3	--	0.3
115.6	Nicholas	LlC	Lily loam, 8 to 15 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
115.7	Nicholas	CoF	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	0.3	--	--	--	--	--	0.3
115.7	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.7	--	0.7	--	0.7
115.7	Nicholas	LlC	Lily loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
115.8	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.5	--	--	--	0.5	--	0.5
115.8	Nicholas	CoF	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	0.9	--	--	--	--	--	0.9
115.9	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.4	--	--	--	0.4	--	0.4

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
115.9	Nicholas	CoF	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	0.9	--	--	--	--	--	0.9
115.9	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.1	--	0.1	--	0.1
116	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
116	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	1.2	--	1.2	--	1.2
116.1	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
116.1	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.9	--	0.9	--	0.9
116.2	Nicholas	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	0.8	--	0.8	--	0.8
116.2	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
116.2	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.6	--	0.6	--	0.6
116.3	Nicholas	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	0.3	--	0.3	--	0.3
116.3	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	1.0	--	1.0	--	1.0
116.4	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	1.4	--	1.4	--	1.4
116.5	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
116.5	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.7	--	0.7	--	0.7
116.6	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
116.6	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
116.7	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.3	--	--	--	0.3	--	0.3

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
116.7	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.0	--	--	--	1.0	--	1.0
116.8	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
116.8	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
116.9	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
116.9	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
117	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
117	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
117.1	Nicholas	BvC	Buchanan channery fine sandy loam, 8 to 15 percent slopes, extremely stony	--	--	0.2	--	--	--	0.2	--	0.2
117.1	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
117.1	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.4	--	--	--	0.4	--	0.4
117.2	Nicholas	BvC	Buchanan channery fine sandy loam, 8 to 15 percent slopes, extremely stony	--	--	0.7	--	--	--	0.7	--	0.7
117.2	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
117.2	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
117.3	Nicholas	BvC	Buchanan channery fine sandy loam, 8 to 15 percent slopes, extremely stony	--	--	0.3	--	--	--	0.3	--	0.3
117.3	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
117.3	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
117.4	Nicholas	ClC	Clifftop channery silt loam, 8 to 15	1.6	--	1.6	--	--	--	1.6	--	--

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Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
			percent slopes									
117.5	Nicholas	BvC	Buchanan channery fine sandy loam, 8 to 15 percent slopes, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1
117.5	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
117.5	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
117.6	Nicholas	BvC	Buchanan channery fine sandy loam, 8 to 15 percent slopes, extremely stony	--	--	0.8	--	--	--	0.8	--	0.8
117.6	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
117.7	Nicholas	BvC	Buchanan channery fine sandy loam, 8 to 15 percent slopes, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0
117.7	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
117.7	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.0	--	--	--	1.0	--	1.0
117.8	Nicholas	BvC	Buchanan channery fine sandy loam, 8 to 15 percent slopes, extremely stony	--	--	0.7	--	--	--	0.7	--	0.7
117.8	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
117.9	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
117.9	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1
118	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.4	--	--	--	1.4	--	1.4
118	Nicholas	CoF	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	0.1	--	--	--	--	--	0.1
118.1	Nicholas	CoF	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	1.0	--	--	--	--	--	1.0

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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
118.1	Nicholas	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	0.3	--	0.3	--	0.3	--	0.3
118.2	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
118.2	Nicholas	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	1.5	--	1.5	--	1.5	--	1.5
118.3	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
118.3	Nicholas	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	1.5	--	1.5	--	1.5	--	1.5
118.4	Nicholas	CoF	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	1.0	--	--	--	--	--	1.0
118.4	Nicholas	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	0.5	--	0.5	--	0.5	--	0.5
118.4	Nicholas	ItF	Itmann channery sandy loam, very steep	--	--	0.0	--	0.0	--	0.0	--	--
118.5	Nicholas	CoF	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	0.0	--	--	--	--	--	0.0
118.5	Nicholas	ItF	Itmann channery sandy loam, very steep	--	--	1.6	--	1.6	--	1.6	--	--
118.6	Nicholas	ItF	Itmann channery sandy loam, very steep	--	--	0.1	--	0.1	--	0.1	--	--
118.6	Nicholas	Ud	Udorthents, smoothed	--	--	--	--	--	--	0.4	--	--
118.6	Nicholas	W	Water	--	--	--	--	--	--	0.5	--	--
118.7	Nicholas	CoF	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	0.5	--	--	--	--	--	0.5
118.7	Nicholas	Ud	Udorthents, smoothed	--	--	--	--	--	--	1.1	--	--
118.8	Nicholas	CoF	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	1.5	--	--	--	--	--	1.5
118.9	Nicholas	CnC	Clifftop channery silt loam, 3 to 15 percent slopes, very stony	0.5	--	0.5	--	--	--	0.5	--	0.5
118.9	Nicholas	CoF	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	1.1	--	--	--	--	--	1.1
119	Nicholas	CnC	Clifftop channery silt loam, 3 to 15 percent slopes, very stony	1.5	--	1.5	--	--	--	1.5	--	1.5

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Appendix 7A-1 (Revised July 2016)
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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
119.1	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
119.1	Nicholas	CnC	Clifftop channery silt loam, 3 to 15 percent slopes, very stony	0.3	--	0.3	--	--	--	0.3	--	0.3
119.2	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
119.2	Nicholas	CoF	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	1.1	--	--	--	--	--	1.1
119.3	Nicholas	CoF	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	1.5	--	--	--	--	--	1.5
119.4	Nicholas	CoF	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	1.3	--	--	--	--	--	1.3
119.5	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
119.5	Nicholas	CoF	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	1.2	--	--	--	--	--	1.2
119.6	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
119.6	Nicholas	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
119.7	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
119.7	Nicholas	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
119.7	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
119.8	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
119.8	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
119.9	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.7	--	--	--	0.7	--	0.7
119.9	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5

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Appendix 7A-1 (Revised July 2016)
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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
120	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.5	--	--	--	0.5	--	0.5
120	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
120.1	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
120.1	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
120.2	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
120.3	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
120.4	Nicholas	CnC	Clifftop channery silt loam, 3 to 15 percent slopes, very stony	0.5	--	0.5	--	--	--	0.5	--	0.5
120.4	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
120.4	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
120.5	Nicholas	CnC	Clifftop channery silt loam, 3 to 15 percent slopes, very stony	1.5	--	1.5	--	--	--	1.5	--	1.5
120.5	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
120.6	Nicholas	CnC	Clifftop channery silt loam, 3 to 15 percent slopes, very stony	1.5	--	1.5	--	--	--	1.5	--	1.5
120.6	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
120.7	Nicholas	CnC	Clifftop channery silt loam, 3 to 15 percent slopes, very stony	1.3	--	1.3	--	--	--	1.3	--	1.3
120.7	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
120.8	Nicholas	CnC	Clifftop channery silt loam, 3 to 15 percent slopes, very stony	1.6	--	1.6	--	--	--	1.6	--	1.6
120.9	Nicholas	CnC	Clifftop channery silt loam, 3 to 15 percent slopes, very stony	1.5	--	1.5	--	--	--	1.5	--	1.5

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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
121	Nicholas	CnC	Clifftop channery silt loam, 3 to 15 percent slopes, very stony	1.5	--	1.5	--	--	--	1.5	--	1.5
121.1	Nicholas	CnC	Clifftop channery silt loam, 3 to 15 percent slopes, very stony	1.5	--	1.5	--	--	--	1.5	--	1.5
121.2	Nicholas	CnC	Clifftop channery silt loam, 3 to 15 percent slopes, very stony	1.5	--	1.5	--	--	--	1.5	--	1.5
121.3	Nicholas	CnC	Clifftop channery silt loam, 3 to 15 percent slopes, very stony	1.5	--	1.5	--	--	--	1.5	--	1.5
121.4	Nicholas	CnC	Clifftop channery silt loam, 3 to 15 percent slopes, very stony	1.5	--	1.5	--	--	--	1.5	--	1.5
121.4	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
121.5	Nicholas	CnC	Clifftop channery silt loam, 3 to 15 percent slopes, very stony	1.3	--	1.3	--	--	--	1.3	--	1.3
121.5	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
121.6	Nicholas	CnC	Clifftop channery silt loam, 3 to 15 percent slopes, very stony	1.5	--	1.5	--	--	--	1.5	--	1.5
121.6	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
121.7	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
121.7	Nicholas	CnC	Clifftop channery silt loam, 3 to 15 percent slopes, very stony	0.8	--	0.8	--	--	--	0.8	--	0.8
121.7	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
121.8	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
121.8	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
121.9	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.9	--	--	--	0.9	--	0.9
121.9	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5

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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
122	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.4	--	--	--	0.4	--	0.4
122	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
122.1	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
122.1	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.0	--	0.0	--	0.0
122.2	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.6	--	--	--	0.6	--	0.6
122.2	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.6	--	0.6	--	0.6
122.3	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.2	--	--	--	0.2	--	0.2
122.3	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
122.3	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	1.3	--	1.3	--	1.3
122.4	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1
122.4	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
122.4	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	1.2	--	1.2	--	1.2
122.5	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	1.5	--	1.5	--	1.5
122.6	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.4	--	--	--	0.4	--	0.4
122.6	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
122.6	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.9	--	0.9	--	0.9

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122.7	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
122.7	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
122.7	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.1	--	0.1	--	0.1
122.7	Nicholas	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	0.8	--	0.8	--	0.8	--	0.8
122.8	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.8	--	--	--	0.8	--	0.8
122.8	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
122.9	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
122.9	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
123	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.8	--	--	--	0.8	--	0.8
123	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
123.1	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.6	--	--	--	0.6	--	0.6
123.1	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
123.2	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
123.2	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
123.3	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
123.3	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
123.4	Nicholas	ClC	Clifftop channery silt loam, 8 to 15	1.5	--	1.5	--	--	--	1.5	--	--

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			percent slopes									
123.4	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
123.5	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
123.5	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
123.6	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
123.6	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
123.7	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
123.7	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
123.7	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
123.8	Nicholas	CnC	Clifftop channery silt loam, 3 to 15 percent slopes, very stony	1.2	--	1.2	--	--	--	1.2	--	1.2
123.8	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
123.8	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
123.9	Nicholas	CnC	Clifftop channery silt loam, 3 to 15 percent slopes, very stony	0.9	--	0.9	--	--	--	0.9	--	0.9
123.9	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
124	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.6	--	--	--	1.6	--	1.6
124.1	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
124.1	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
124.2	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely	--	--	0.5	--	--	--	0.5	--	0.5

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			stony									
124.2	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
124.2	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
124.3	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.4	--	--	--	0.4	--	0.4
124.3	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
124.3	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
124.4	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	1.0	--	--	--	1.0	--	1.0
124.4	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
124.5	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	1.4	--	--	--	1.4	--	1.4
124.5	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
124.6	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	1.3	--	--	--	1.3	--	1.3
124.7	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.2	--	--	--	0.2	--	0.2
124.7	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
124.7	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
124.8	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
124.9	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
124.9	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
125	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
125	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	1.4	--	--	--	1.4	--	1.4
125.1	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.4	--	--	--	0.4	--	0.4
125.1	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	1.0	--	--	--	1.0	--	1.0
125.2	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.7	--	--	--	0.7	--	0.7
125.2	Nicholas	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
125.2	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
125.3	Nicholas	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
125.3	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
125.4	Nicholas	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
125.5	Nicholas	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
125.5	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
125.6	Nicholas	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
125.6	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
125.7	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.8	--	--	--	0.8	--	0.8
125.7	Nicholas	CnE	Clifftop channery silt loam, 15 to 35	--	--	0.0	--	--	--	0.0	--	0.0

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
			percent slopes, very stony									
125.7	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
125.8	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0
125.8	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.4	--	--	--	1.4	--	1.4
125.9	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.4	--	--	--	0.4	--	0.4
125.9	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1
126	Nicholas	CnC	Clifftop channery silt loam, 3 to 15 percent slopes, very stony	1.3	--	1.3	--	--	--	1.3	--	1.3
126	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
126.1	Nicholas	CnC	Clifftop channery silt loam, 3 to 15 percent slopes, very stony	1.0	--	1.0	--	--	--	1.0	--	1.0
126.1	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
126.2	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
126.2	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
126.3	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
126.3	Nicholas	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	0.1	--	0.1	--	0.1	--	0.1
126.4	Nicholas	BvC	Buchanan channery fine sandy loam, 8 to 15 percent slopes, extremely stony	--	--	0.4	--	--	--	0.4	--	0.4
126.4	Nicholas	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	1.1	--	1.1	--	1.1	--	1.1
126.5	Nicholas	BvC	Buchanan channery fine sandy loam, 8 to 15 percent slopes, extremely stony	--	--	1.1	--	--	--	1.1	--	1.1

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
126.6	Nicholas	BvC	Buchanan channery fine sandy loam, 8 to 15 percent slopes, extremely stony	--	--	0.5	--	--	--	0.5	--	0.5
126.6	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	1.0	--	--	--	1.0	--	1.0
126.7	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
126.7	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
126.8	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
126.8	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
126.9	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
127	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	1.6	--	--	--	1.6	--	1.6
127.1	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
127.1	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
127.2	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
127.2	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
127.3	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
127.3	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
127.4	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
127.4	Nicholas	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	1.1	--	1.1	--	1.1	--	1.1
127.5	Nicholas	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	1.6	--	1.6	--	1.6	--	1.6

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
127.6	Nicholas	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	0.1	--	0.1	--	0.1
127.6	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
127.6	Nicholas	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	1.3	--	1.3	--	1.3	--	1.3
127.7	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
127.7	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	1.3	--	--	--	1.3	--	1.3
127.7	Nicholas	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	0.1	--	0.1	--	0.1	--	0.1
127.8	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
127.8	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
127.9	Nicholas	BuC	Buchanan loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
127.9	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
127.9	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
128	Nicholas	BuC	Buchanan loam, 8 to 15 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
128	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0
128	Nicholas	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
128.1	Nicholas	BuC	Buchanan loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
128.1	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.6	--	--	--	0.6	--	0.6
128.2	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely	--	--	0.3	--	--	--	0.3	--	0.3

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
			stony									
128.2	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
128.2	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
128.2	Nicholas	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	0.0	--	0.0	--	0.0	--	0.0
128.3	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
128.3	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	1.0	--	1.0	--	1.0
128.3	Nicholas	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	0.6	--	0.6	--	0.6	--	0.6
128.4	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	1.5	--	1.5	--	1.5
128.4	Nicholas	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	0.0	--	0.0	--	0.0	--	0.0
128.5	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
128.5	Nicholas	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.0	--	0.0	--	0.0
128.5	Nicholas	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	0.9	--	0.9	--	0.9	--	0.9
128.6	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
128.6	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
128.7	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
128.7	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
128.8	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
128.9	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
128.9	Nicholas	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	0.6	--	0.6	--	0.6	--	0.6
129	Nicholas	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	1.1	--	1.1	--	1.1
129	Nicholas	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	0.4	--	0.4	--	0.4	--	0.4
129.1	Nicholas	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	1.5	--	1.5	--	1.5
129.2	Nicholas	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	1.1	--	1.1	--	1.1
129.2	Nicholas	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	0.4	--	0.4	--	0.4	--	0.4
129.3	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
129.3	Nicholas	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	0.3	--	0.3	--	0.3	--	0.3
129.4	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
129.4	Nicholas	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	0.7	--	0.7	--	0.7	--	0.7
129.5	Nicholas	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	1.4	--	1.4	--	1.4
129.5	Nicholas	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	0.2	--	0.2	--	0.2	--	0.2
129.6	Nicholas	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	1.5	--	1.5	--	1.5
129.7	Nicholas	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	1.4	--	1.4	--	1.4
129.7	Nicholas	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	0.1	--	0.1	--	0.1	--	0.1
129.8	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
129.8	Nicholas	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	1.3	--	1.3	--	1.3	--	1.3
129.9	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
130	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.4	--	--	--	1.4	--	1.4
130	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
130.1	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.5	--	--	--	0.5	--	0.5
130.1	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
130.2	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.3	--	--	--	0.3	--	0.3
130.2	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.0	--	--	--	1.0	--	1.0
130.3	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
130.3	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
130.4	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1
130.4	Nicholas	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	0.4	--	0.4	--	0.4	--	0.4
130.5	Nicholas	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	1.1	--	1.1	--	1.1
130.5	Nicholas	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	0.4	--	0.4	--	0.4	--	0.4
130.6	Nicholas	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	1.6	--	1.6	--	1.6
130.7	Nicholas	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	1.1	--	1.1	--	1.1
130.7	Nicholas	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	0.5	--	0.5	--	0.5	--	0.5
130.8	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
130.8	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
130.8	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
130.8	Nicholas	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	0.5	--	0.5	--	0.5	--	0.5
130.9	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.4	--	--	--	1.4	--	1.4
130.9	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
131	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.6	--	--	--	0.6	--	0.6
131	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
131.1	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	1.4	--	--	--	1.4	--	1.4
131.1	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
131.2	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.9	--	--	--	0.9	--	0.9
131.2	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
131.3	Nicholas	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
131.3	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
131.4	Nicholas	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
131.4	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
131.5	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
131.6	Nicholas	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
131.6	Nicholas	CnF	Clifftop channery silt loam, 35 to 70	--	--	1.2	--	--	--	1.2	--	1.2

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
			percent slopes, very stony									
131.7	Nicholas	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
131.7	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	1.4	--	--	--	1.4	--	1.4
131.8	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
131.9	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	1.0	--	--	--	1.0	--	1.0
131.9	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
132	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.9	--	--	--	0.9	--	0.9
132	Nicholas	Pr	Pope-Craigsville complex	0.5	--	--	--	--	--	0.5	--	--
132.1	Nicholas	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.6	--	--	--	0.6	--	0.6
132.1	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.4	--	--	--	0.4	--	0.4
132.1	Nicholas	KaF	Kaymine channery loam, very steep, extremely stony	--	--	0.5	--	--	--	0.5	--	0.5
132.2	Nicholas	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
132.2	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
132.3	Nicholas	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
132.4	Nicholas	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
132.4	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
132.5	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
132.5	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.4	--	--	--	1.4	--	1.4
132.6	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
132.6	Nicholas	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
132.6	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
132.7	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
132.7	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
132.8	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
132.8	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	1.0	--	--	--	1.0	--	1.0
132.9	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
132.9	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
133	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
133.1	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
133.1	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
133.2	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
133.2	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
133.3	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
133.4	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
133.5	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
133.6	Nicholas	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
133.6	Nicholas	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
133.7	Nicholas	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
133.7	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
133.8	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
133.9	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
134	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
134.1	Nicholas	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	0.6	--	0.6	--	0.6
134.1	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	1.0	--	--	--	1.0	--	1.0
134.2	Nicholas	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	1.4	--	1.4	--	1.4
134.3	Nicholas	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	1.3	--	1.3	--	1.3
134.3	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
134.4	Nicholas	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
134.4	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
134.5	Nicholas	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
134.6	Nicholas	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
134.7	Nicholas	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
134.8	Nicholas	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--

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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
134.9	Nicholas	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
135	Nicholas	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
135	Nicholas	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.4	--	--	--	0.4	--	0.4
135	Nicholas	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
135.1	Greenbrier	CpB	Cookport loam, 3 to 8 percent slopes	0.4	--	--	--	--	--	0.4	--	--
135.1	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.7	--	--	--	--	--	0.7	--	0.7
135.1	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
135.2	Greenbrier	CpB	Cookport loam, 3 to 8 percent slopes	1.0	--	--	--	--	--	1.0	--	--
135.2	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
135.3	Greenbrier	CpB	Cookport loam, 3 to 8 percent slopes	0.6	--	--	--	--	--	0.6	--	--
135.3	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
135.4	Greenbrier	CpB	Cookport loam, 3 to 8 percent slopes	1.1	--	--	--	--	--	1.1	--	--
135.4	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.0	--	--	--	--	--	0.0	--	0.0
135.4	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.4	--	--	--	0.4	--	0.4
135.5	Greenbrier	CpB	Cookport loam, 3 to 8 percent slopes	0.2	--	--	--	--	--	0.2	--	--
135.5	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.4	--	--	--	--	--	1.4	--	1.4
135.6	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.4	--	--	--	--	--	1.4	--	1.4
135.6	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
135.7	Greenbrier	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	0.0	--	0.0
135.7	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15	1.5	--	--	--	--	--	1.5	--	1.5

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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
			percent slopes, very stony									
135.8	Greenbrier	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	1.0	--	1.0
135.8	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.5	--	--	--	--	--	0.5	--	0.5
135.9	Greenbrier	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	1.5	--	1.5
136	Greenbrier	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	1.5	--	1.5
136.1	Greenbrier	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	1.2	--	1.2
136.1	Greenbrier	CpB	Cookport loam, 3 to 8 percent slopes	0.3	--	--	--	--	--	0.3	--	--
136.2	Greenbrier	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	0.3	--	0.3
136.2	Greenbrier	CpB	Cookport loam, 3 to 8 percent slopes	1.2	--	--	--	--	--	1.2	--	--
136.3	Greenbrier	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	0.5	--	0.5
136.3	Greenbrier	CpB	Cookport loam, 3 to 8 percent slopes	0.2	--	--	--	--	--	0.2	--	--
136.3	Greenbrier	GpE	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
136.4	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.4	--	--	--	--	--	0.4	--	0.4
136.4	Greenbrier	GpE	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1
136.5	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.2	--	--	--	--	--	1.2	--	1.2
136.6	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.4	--	--	--	--	--	1.4	--	1.4
136.7	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.5	--	--	--	--	--	1.5	--	1.5
136.8	Greenbrier	GnC	Gilpin channery silt loam, moist, 8 to 15 percent slopes	0.1	--	--	--	--	--	0.1	--	--
136.8	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.3	--	--	--	--	--	1.3	--	1.3

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136.9	Greenbrier	GnC	Gilpin channery silt loam, moist, 8 to 15 percent slopes	0.9	--	--	--	--	--	0.9	--	--
136.9	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.2	--	--	--	--	--	0.2	--	0.2
137	Greenbrier	GnC	Gilpin channery silt loam, moist, 8 to 15 percent slopes	1.6	--	--	--	--	--	1.6	--	--
137.1	Greenbrier	GnC	Gilpin channery silt loam, moist, 8 to 15 percent slopes	1.4	--	--	--	--	--	1.4	--	--
137.1	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.1	--	--	--	--	--	0.1	--	0.1
137.2	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.5	--	--	--	--	--	1.5	--	1.5
137.3	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.5	--	--	--	--	--	1.5	--	1.5
137.4	Greenbrier	CpB	Cookport loam, 3 to 8 percent slopes	0.9	--	--	--	--	--	0.9	--	--
137.4	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.2	--	--	--	--	--	0.2	--	0.2
137.5	Greenbrier	CpB	Cookport loam, 3 to 8 percent slopes	0.2	--	--	--	--	--	0.2	--	--
137.5	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.3	--	--	--	--	--	1.3	--	1.3
137.6	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.6	--	--	--	--	--	1.6	--	1.6
137.7	Greenbrier	GnC	Gilpin channery silt loam, moist, 8 to 15 percent slopes	1.0	--	--	--	--	--	1.0	--	--
137.7	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.5	--	--	--	--	--	0.5	--	0.5
137.8	Greenbrier	GnC	Gilpin channery silt loam, moist, 8 to 15 percent slopes	1.5	--	--	--	--	--	1.5	--	--
137.9	Greenbrier	GnC	Gilpin channery silt loam, moist, 8 to 15 percent slopes	1.5	--	--	--	--	--	1.5	--	--
138	Greenbrier	GnC	Gilpin channery silt loam, moist, 8 to 15 percent slopes	1.6	--	--	--	--	--	1.6	--	--
138.1	Greenbrier	GnC	Gilpin channery silt loam, moist, 8 to 15 percent slopes	1.5	--	--	--	--	--	1.5	--	--

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138.2	Greenbrier	GnC	Gilpin channery silt loam, moist, 8 to 15 percent slopes	1.5	--	--	--	--	--	1.5	--	--
138.3	Greenbrier	GnC	Gilpin channery silt loam, moist, 8 to 15 percent slopes	0.9	--	--	--	--	--	0.9	--	--
138.3	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.0	--	--	--	--	--	0.0	--	0.0
138.3	Greenbrier	GpE	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
138.3	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
138.4	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.7	--	--	--	--	--	0.7	--	0.7
138.4	Greenbrier	GpE	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
138.4	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
138.5	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.6	--	--	--	--	--	0.6	--	0.6
138.5	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
138.6	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.5	--	--	--	--	--	1.5	--	1.5
138.6	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
138.7	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.5	--	--	--	--	--	1.5	--	1.5
138.8	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.5	--	--	--	--	--	1.5	--	1.5
138.9	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.6	--	--	--	--	--	1.6	--	1.6
139	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.5	--	--	--	--	--	1.5	--	1.5
139.1	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.5	--	--	--	--	--	1.5	--	1.5
139.2	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.4	--	--	--	--	--	1.4	--	1.4

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
139.2	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
139.3	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.1	--	--	--	--	--	0.1	--	0.1
139.3	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	1.4	--	--	--	1.4	--	1.4
139.4	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.2	--	--	--	--	--	0.2	--	0.2
139.4	Greenbrier	KxF	Kaymine-rock outcrop complex, very steep	--	--	0.1	--	--	--	0.1	--	--
139.4	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
139.5	Greenbrier	GpE	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
139.5	Greenbrier	KxF	Kaymine-rock outcrop complex, very steep	--	--	1.2	--	--	--	1.2	--	--
139.5	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
139.6	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.9	--	--	--	--	--	0.9	--	0.9
139.6	Greenbrier	GpE	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
139.7	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.3	--	--	--	--	--	1.3	--	1.3
139.8	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.4	--	--	--	--	--	1.4	--	1.4
139.8	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
139.9	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.6	--	--	--	--	--	1.6	--	1.6
139.9	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
140	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.2	--	--	--	--	--	0.2	--	0.2
140	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	1.3	--	--	--	1.3	--	1.3

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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
140.1	Greenbrier	An	Atkins-Philo-Potomac complex	0.3	0.3	--	--	--	0.3	0.3	0.3	--
140.1	Greenbrier	McC	Macove channery silt loam, 3 to 15 percent slopes, very stony	0.8	--	--	--	--	--	0.8	--	0.8
140.1	Greenbrier	McE	Macove channery silt loam, 15 to 35 percent slopes, very stony	--	--	--	--	--	--	0.0	--	0.0
140.1	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
140.2	Greenbrier	An	Atkins-Philo-Potomac complex	0.0	0.0	--	--	--	0.0	0.0	0.0	--
140.2	Greenbrier	GpE	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.3	--	--	--	1.3	--	1.3
140.2	Greenbrier	McE	Macove channery silt loam, 15 to 35 percent slopes, very stony	--	--	--	--	--	--	0.1	--	0.1
140.3	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.4	--	--	--	--	--	1.4	--	1.4
140.3	Greenbrier	GpE	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
140.4	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.5	--	--	--	--	--	1.5	--	1.5
140.5	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.5	--	--	--	--	--	1.5	--	1.5
140.6	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.9	--	--	--	--	--	0.9	--	0.9
140.6	Greenbrier	McE	Macove channery silt loam, 15 to 35 percent slopes, very stony	--	--	--	--	--	--	0.6	--	0.6
140.7	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.4	--	--	--	--	--	1.4	--	1.4
140.8	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.2	--	--	--	--	--	1.2	--	1.2
140.8	Greenbrier	McE	Macove channery silt loam, 15 to 35 percent slopes, very stony	--	--	--	--	--	--	0.2	--	0.2
140.9	Greenbrier	CpB	Cookport loam, 3 to 8 percent slopes	1.0	--	--	--	--	--	1.0	--	--
140.9	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.2	--	--	--	--	--	0.2	--	0.2
140.9	Greenbrier	GpE	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0

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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
140.9	Greenbrier	McE	Macove channery silt loam, 15 to 35 percent slopes, very stony	--	--	--	--	--	--	0.4	--	0.4
141	Greenbrier	CpB	Cookport loam, 3 to 8 percent slopes	0.8	--	--	--	--	--	0.8	--	--
141	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.7	--	--	--	--	--	0.7	--	0.7
141.1	Greenbrier	CpB	Cookport loam, 3 to 8 percent slopes	0.3	--	--	--	--	--	0.3	--	--
141.1	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.2	--	--	--	--	--	1.2	--	1.2
141.2	Greenbrier	CpB	Cookport loam, 3 to 8 percent slopes	0.7	--	--	--	--	--	0.7	--	--
141.2	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.9	--	--	--	--	--	0.9	--	0.9
141.3	Greenbrier	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	0.3	--	0.3
141.3	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.2	--	--	--	--	--	1.2	--	1.2
141.4	Greenbrier	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	1.0	--	1.0
141.4	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.5	--	--	--	--	--	0.5	--	0.5
141.5	Greenbrier	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	1.0	--	1.0
141.5	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.5	--	--	--	--	--	0.5	--	0.5
141.6	Greenbrier	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	1.1	--	1.1
141.6	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.4	--	--	--	--	--	0.4	--	0.4
141.7	Greenbrier	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	1.0	--	1.0
141.7	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.5	--	--	--	--	--	0.5	--	0.5
141.8	Greenbrier	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	1.0	--	1.0
141.8	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.5	--	--	--	--	--	0.5	--	0.5

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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
141.9	Greenbrier	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	0.6	--	0.6
141.9	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.9	--	--	--	--	--	0.9	--	0.9
142	Greenbrier	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	0.2	--	0.2
142	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.3	--	--	--	--	--	1.3	--	1.3
142.1	Greenbrier	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	0.0	--	0.0
142.1	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.5	--	--	--	--	--	1.5	--	1.5
142.2	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.5	--	--	--	--	--	1.5	--	1.5
142.3	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.6	--	--	--	--	--	1.6	--	1.6
142.4	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.5	--	--	--	--	--	1.5	--	1.5
142.4	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
142.5	Greenbrier	CpB	Cookport loam, 3 to 8 percent slopes	0.4	--	--	--	--	--	0.4	--	--
142.5	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.1	--	--	--	--	--	1.1	--	1.1
142.6	Greenbrier	CpB	Cookport loam, 3 to 8 percent slopes	0.3	--	--	--	--	--	0.3	--	--
142.6	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.2	--	--	--	--	--	1.2	--	1.2
142.7	Greenbrier	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	0.1	--	0.1
142.7	Greenbrier	CpB	Cookport loam, 3 to 8 percent slopes	1.2	--	--	--	--	--	1.2	--	--
142.7	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.2	--	--	--	--	--	0.2	--	0.2
142.8	Greenbrier	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	1.5	--	1.5
142.8	Greenbrier	CpB	Cookport loam, 3 to 8 percent slopes	0.1	--	--	--	--	--	0.1	--	--

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142.9	Greenbrier	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	1.5	--	1.5
143	Greenbrier	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	1.4	--	1.4
143.1	Greenbrier	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	1.5	--	1.5
143.1	Greenbrier	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, very stony	--	--	--	--	--	--	0.0	--	0.0
143.2	Greenbrier	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	0.3	--	0.3
143.2	Greenbrier	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, very stony	--	--	--	--	--	--	0.8	--	0.8
143.2	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.4	--	--	--	0.4	--	0.4
143.3	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
143.4	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
143.5	Greenbrier	McE	Macove channery silt loam, 15 to 35 percent slopes, very stony	--	--	--	--	--	--	0.4	--	0.4
143.5	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
143.5	Greenbrier	ZoA	Zoar silt loam, 0 to 3 percent slopes	0.2	--	--	--	--	--	--	--	--
143.6	Greenbrier	Po	Pope fine sandy loam, warm, 0 to 3 percent slopes, occasionally flooded	0.6	--	--	--	--	--	0.6	--	--
143.6	Greenbrier	ZoA	Zoar silt loam, 0 to 3 percent slopes	0.9	--	--	--	--	--	--	--	--
143.7	Greenbrier	Po	Pope fine sandy loam, warm, 0 to 3 percent slopes, occasionally flooded	1.1	--	--	--	--	--	1.1	--	--
143.7	Greenbrier	W	Water	--	--	--	--	--	--	0.1	--	--
143.8	Greenbrier	Po	Pope fine sandy loam, warm, 0 to 3 percent slopes, occasionally flooded	0.1	--	--	--	--	--	0.1	--	--
143.8	Greenbrier	ZoA	Zoar silt loam, 0 to 3 percent slopes	1.0	--	--	--	--	--	--	--	--
143.9	Greenbrier	McE	Macove channery silt loam, 15 to 35 percent slopes, very stony	--	--	--	--	--	--	1.2	--	1.2

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143.9	Greenbrier	ZoA	Zoar silt loam, 0 to 3 percent slopes	0.4	--	--	--	--	--	--	--	--
144	Greenbrier	McE	Macove channery silt loam, 15 to 35 percent slopes, very stony	--	--	--	--	--	--	0.1	--	0.1
144	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
144.1	Greenbrier	KxF	Kaymine-rock outcrop complex, very steep	--	--	0.8	--	--	--	0.8	--	--
144.1	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
144.2	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
144.3	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.9	--	--	--	--	--	0.9	--	0.9
144.3	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
144.4	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.5	--	--	--	--	--	1.5	--	1.5
144.5	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.5	--	--	--	--	--	1.5	--	1.5
144.6	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.5	--	--	--	--	--	1.5	--	1.5
144.6	Greenbrier	LgC	Lily sandy loam, 8 to 15 percent slopes	0.0	--	--	--	--	--	0.0	--	--
144.7	Greenbrier	LgC	Lily sandy loam, 8 to 15 percent slopes	1.5	--	--	--	--	--	1.5	--	--
144.8	Greenbrier	LgC	Lily sandy loam, 8 to 15 percent slopes	1.5	--	--	--	--	--	1.5	--	--
144.9	Greenbrier	GnD	Gilpin channery silt loam, moist, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
144.9	Greenbrier	LgC	Lily sandy loam, 8 to 15 percent slopes	1.0	--	--	--	--	--	1.0	--	--
145	Greenbrier	LgC	Lily sandy loam, 8 to 15 percent slopes	1.5	--	--	--	--	--	1.5	--	--
145.1	Greenbrier	LgC	Lily sandy loam, 8 to 15 percent slopes	1.4	--	--	--	--	--	1.4	--	--

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145.1	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
145.2	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
145.3	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	1.6	--	--	--	1.6	--	1.6
145.4	Greenbrier	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	0.2	--	0.2
145.4	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	1.3	--	--	--	1.3	--	1.3
145.5	Greenbrier	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	1.2	--	1.2
145.5	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
145.6	Greenbrier	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	0.5	--	0.5
145.6	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
145.7	Greenbrier	GnD	Gilpin channery silt loam, moist, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
145.7	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	1.4	--	--	--	1.4	--	1.4
145.8	Greenbrier	GnD	Gilpin channery silt loam, moist, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
145.8	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
145.9	Greenbrier	GnD	Gilpin channery silt loam, moist, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
146	Greenbrier	GnC	Gilpin channery silt loam, moist, 8 to 15 percent slopes	0.1	--	--	--	--	--	0.1	--	--
146	Greenbrier	GnD	Gilpin channery silt loam, moist, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
146.1	Greenbrier	GnD	Gilpin channery silt loam, moist, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
146.1	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.8	--	--	--	--	--	0.8	--	0.8

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
146.2	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.5	--	--	--	--	--	1.5	--	1.5
146.2	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
146.3	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.3	--	--	--	--	--	1.3	--	1.3
146.3	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
146.4	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
146.5	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
146.5	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
146.6	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
146.6	Greenbrier	CyF	Culleoka loam, 35 to 55 percent slopes, very stony	--	--	1.4	--	--	--	1.4	--	1.4
146.7	Greenbrier	CyF	Culleoka loam, 35 to 55 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
146.7	Greenbrier	Lo	Lobdell silt loam	1.0	--	--	--	--	--	--	--	--
146.7	Greenbrier	ZoA	Zoar silt loam, 0 to 3 percent slopes	0.0	--	--	--	--	--	--	--	--
146.8	Greenbrier	CyF	Culleoka loam, 35 to 55 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
146.8	Greenbrier	Lo	Lobdell silt loam	0.0	--	--	--	--	--	--	--	--
146.8	Greenbrier	ZoA	Zoar silt loam, 0 to 3 percent slopes	0.7	--	--	--	--	--	--	--	--
146.9	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	1.0	--	--	--	1.0	--	1.0
146.9	Greenbrier	CyF	Culleoka loam, 35 to 55 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
146.9	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
147	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
147	Greenbrier	KxF	Kaymine-rock outcrop complex, very steep	--	--	0.2	--	--	--	0.2	--	--
147	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
147.1	Greenbrier	GnC	Gilpin channery silt loam, moist, 8 to 15 percent slopes	0.0	--	--	--	--	--	0.0	--	--
147.1	Greenbrier	GpE	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
147.1	Greenbrier	KxF	Kaymine-rock outcrop complex, very steep	--	--	0.2	--	--	--	0.2	--	--
147.1	Greenbrier	LgC	Lily sandy loam, 8 to 15 percent slopes	0.9	--	--	--	--	--	0.9	--	--
147.2	Greenbrier	LgC	Lily sandy loam, 8 to 15 percent slopes	1.6	--	--	--	--	--	1.6	--	--
147.3	Greenbrier	LgC	Lily sandy loam, 8 to 15 percent slopes	1.5	--	--	--	--	--	1.5	--	--
147.4	Greenbrier	GnC	Gilpin channery silt loam, moist, 8 to 15 percent slopes	0.1	--	--	--	--	--	0.1	--	--
147.4	Greenbrier	LgC	Lily sandy loam, 8 to 15 percent slopes	0.7	--	--	--	--	--	0.7	--	--
147.4	Greenbrier	LhE	Lily sandy loam, 15 to 35 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
147.5	Greenbrier	LhE	Lily sandy loam, 15 to 35 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
147.6	Greenbrier	LhE	Lily sandy loam, 15 to 35 percent slopes, very stony	--	--	1.6	--	--	--	1.6	--	1.6
147.7	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.2	--	--	--	--	--	0.2	--	0.2
147.7	Greenbrier	LgC	Lily sandy loam, 8 to 15 percent slopes	1.3	--	--	--	--	--	1.3	--	--
147.7	Greenbrier	LhE	Lily sandy loam, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
147.8	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.5	--	--	--	--	--	1.5	--	1.5
147.9	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.8	--	--	--	--	--	0.8	--	0.8

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
147.9	Greenbrier	GpE	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
147.9	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
148	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.0	--	--	--	--	--	0.0	--	0.0
148	Greenbrier	LgC	Lily sandy loam, 8 to 15 percent slopes	0.5	--	--	--	--	--	0.5	--	--
148	Greenbrier	McE	Macove channery silt loam, 15 to 35 percent slopes, very stony	--	--	--	--	--	--	0.7	--	0.7
148	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
148.1	Greenbrier	LgC	Lily sandy loam, 8 to 15 percent slopes	1.1	--	--	--	--	--	1.1	--	--
148.1	Greenbrier	LhE	Lily sandy loam, 15 to 35 percent slopes, very stony	--	--	0.4	--	--	--	0.4	--	0.4
148.2	Greenbrier	LgC	Lily sandy loam, 8 to 15 percent slopes	1.4	--	--	--	--	--	1.4	--	--
148.2	Greenbrier	LhE	Lily sandy loam, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
148.3	Greenbrier	LgC	Lily sandy loam, 8 to 15 percent slopes	1.6	--	--	--	--	--	1.6	--	--
148.3	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
148.4	Greenbrier	LgC	Lily sandy loam, 8 to 15 percent slopes	1.5	--	--	--	--	--	1.5	--	--
148.4	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
148.5	Greenbrier	KxF	Kaymine-rock outcrop complex, very steep	--	--	0.7	--	--	--	0.7	--	--
148.5	Greenbrier	LgC	Lily sandy loam, 8 to 15 percent slopes	0.1	--	--	--	--	--	0.1	--	--
148.5	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
148.6	Greenbrier	KxF	Kaymine-rock outcrop complex, very steep	--	--	0.0	--	--	--	0.0	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
148.6	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
148.7	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	1.6	--	--	--	1.6	--	1.6
148.8	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
148.8	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
148.9	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
149	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	1.3	--	--	--	1.3	--	1.3
149	Greenbrier	CyF	Culleoka loam, 35 to 55 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
149.1	Greenbrier	CyF	Culleoka loam, 35 to 55 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
149.2	Greenbrier	CyF	Culleoka loam, 35 to 55 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
149.3	Greenbrier	CgC	Cateache silt loam, 3 to 15 percent slopes, very stony	1.0	--	--	--	--	--	1.0	--	1.0
149.3	Greenbrier	CyF	Culleoka loam, 35 to 55 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
149.4	Greenbrier	CgC	Cateache silt loam, 3 to 15 percent slopes, very stony	0.0	--	--	--	--	--	0.0	--	0.0
149.4	Greenbrier	CuD	Culleoka loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
149.4	Greenbrier	CyF	Culleoka loam, 35 to 55 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
149.5	Greenbrier	CuD	Culleoka loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
149.5	Greenbrier	CyF	Culleoka loam, 35 to 55 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1
149.6	Greenbrier	CyF	Culleoka loam, 35 to 55 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
149.6	Greenbrier	McC	Macove channery silt loam, 3 to 15 percent slopes, very stony	0.9	--	--	--	--	--	0.9	--	0.9

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
149.7	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
149.7	Greenbrier	CyF	Culleoka loam, 35 to 55 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
149.8	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.4	--	--	--	0.4	--	0.4
149.8	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
149.9	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
150	Greenbrier	GnD	Gilpin channery silt loam, moist, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
150	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
150.1	Greenbrier	GnC	Gilpin channery silt loam, moist, 8 to 15 percent slopes	0.4	--	--	--	--	--	0.4	--	--
150.1	Greenbrier	GnD	Gilpin channery silt loam, moist, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
150.1	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
150.2	Greenbrier	GnC	Gilpin channery silt loam, moist, 8 to 15 percent slopes	1.2	--	--	--	--	--	1.2	--	--
150.2	Greenbrier	GnD	Gilpin channery silt loam, moist, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
150.3	Greenbrier	GnC	Gilpin channery silt loam, moist, 8 to 15 percent slopes	0.1	--	--	--	--	--	0.1	--	--
150.3	Greenbrier	GnD	Gilpin channery silt loam, moist, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
150.4	Greenbrier	GnC	Gilpin channery silt loam, moist, 8 to 15 percent slopes	1.5	--	--	--	--	--	1.5	--	--
150.5	Greenbrier	GnC	Gilpin channery silt loam, moist, 8 to 15 percent slopes	0.9	--	--	--	--	--	0.9	--	--
150.5	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
150.6	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
150.6	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
150.7	Greenbrier	CfD	Cateache silt loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
150.7	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
150.7	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
150.8	Greenbrier	CfD	Cateache silt loam, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
150.8	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
150.9	Greenbrier	CfD	Cateache silt loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
150.9	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
151	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
151.1	Greenbrier	CfD	Cateache silt loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
151.1	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
151.2	Greenbrier	CfD	Cateache silt loam, 15 to 25 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
151.2	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
151.2	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
151.3	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	1.1	--	--	--	--	--	1.1	--	1.1
151.3	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.4	--	--	--	0.4	--	0.4
151.4	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.2	--	--	--	--	--	0.2	--	0.2
151.4	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	1.3	--	--	--	1.3	--	1.3

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
151.5	Greenbrier	GnC	Gilpin channery silt loam, moist, 8 to 15 percent slopes	1.2	--	--	--	--	--	1.2	--	--
151.5	Greenbrier	GpE	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
151.5	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.4	--	--	--	0.4	--	0.4
151.6	Greenbrier	GnC	Gilpin channery silt loam, moist, 8 to 15 percent slopes	1.4	--	--	--	--	--	1.4	--	--
151.6	Greenbrier	GpE	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
151.7	Greenbrier	GnC	Gilpin channery silt loam, moist, 8 to 15 percent slopes	0.8	--	--	--	--	--	0.8	--	--
151.7	Greenbrier	GpE	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
151.8	Greenbrier	GnC	Gilpin channery silt loam, moist, 8 to 15 percent slopes	1.4	--	--	--	--	--	1.4	--	--
151.8	Greenbrier	GpE	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
151.9	Greenbrier	GnC	Gilpin channery silt loam, moist, 8 to 15 percent slopes	0.5	--	--	--	--	--	0.5	--	--
151.9	Greenbrier	GpE	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.0	--	--	--	1.0	--	1.0
152	Greenbrier	GpE	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
152.1	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.3	--	--	--	--	--	0.3	--	0.3
152.1	Greenbrier	GpE	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
152.2	Greenbrier	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.8	--	--	--	--	--	0.8	--	0.8
152.2	Greenbrier	GpE	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
152.3	Greenbrier	GpE	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
152.4	Greenbrier	GpE	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
152.4	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
152.5	Greenbrier	GpE	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
152.5	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
152.6	Greenbrier	GpE	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
152.6	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1
152.7	Greenbrier	GpE	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
152.7	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
152.8	Greenbrier	GpE	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
152.8	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
152.9	Greenbrier	GpE	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
152.9	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	1.4	--	--	--	1.4	--	1.4
153	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	1.4	--	--	--	1.4	--	1.4
153.1	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
153.2	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.4	--	--	--	0.4	--	0.4
153.2	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1
153.3	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
153.4	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
153.4	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
153.5	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
153.5	Greenbrier	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
153.5	Greenbrier	ShE	Shouns channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0
153.6	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
153.6	Greenbrier	ShE	Shouns channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
153.7	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
153.7	Greenbrier	ShE	Shouns channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	0.5	--	--	--	0.5	--	0.5
153.8	Greenbrier	CcG	Cateache-Pipestem complex, 35 to 80 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
153.8	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
153.9	Fayette	CcG	Cateache-Pipestem complex, 35 to 80 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
153.9	Fayette	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
154	Fayette	CcG	Cateache-Pipestem complex, 35 to 80 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
154.1	Fayette	CaC	Cateache channery silt loam, 8 to 15 percent slopes	1.2	--	--	--	--	--	1.2	--	--
154.1	Fayette	CcG	Cateache-Pipestem complex, 35 to 80 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
154.2	Fayette	CaC	Cateache channery silt loam, 8 to 15 percent slopes	1.5	--	--	--	--	--	1.5	--	--
154.3	Fayette	CaC	Cateache channery silt loam, 8 to 15 percent slopes	0.4	--	--	--	--	--	0.4	--	--
154.3	Fayette	CcG	Cateache-Pipestem complex, 35 to 80 percent slopes, very stony	--	--	1.0	--	--	--	1.0	--	1.0
154.3	Fayette	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1

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Appendix 7A-1 (Revised July 2016)
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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
154.4	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
154.4	Greenbrier	ZoA	Zoar silt loam, 0 to 3 percent slopes	0.4	--	--	--	--	--	--	--	--
154.5	Greenbrier	Ml	Melvin-Lindside complex	0.7	--	--	--	--	0.7	0.7	0.7	--
154.5	Greenbrier	ZoA	Zoar silt loam, 0 to 3 percent slopes	0.5	--	--	--	--	--	--	--	--
154.6	Greenbrier	Ml	Melvin-Lindside complex	0.8	--	--	--	--	0.8	0.8	0.8	--
154.6	Greenbrier	ZoA	Zoar silt loam, 0 to 3 percent slopes	0.1	--	--	--	--	--	--	--	--
154.7	Greenbrier	CfE	Cateache silt loam, 25 to 35 percent slopes	--	--	0.8	--	--	--	0.8	--	--
154.7	Greenbrier	ZoA	Zoar silt loam, 0 to 3 percent slopes	0.4	--	--	--	--	--	--	--	--
154.8	Greenbrier	CfE	Cateache silt loam, 25 to 35 percent slopes	--	--	0.7	--	--	--	0.7	--	--
154.8	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
154.9	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
154.9	Greenbrier	ShC	Shouns channery silt loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	--	--	0.9	--	0.9
155	Greenbrier	CgE	Cateache silt loam, 15 to 35 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
155	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
155	Greenbrier	ShC	Shouns channery silt loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	--	--	0.1	--	0.1
155.1	Greenbrier	CgE	Cateache silt loam, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
155.1	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
155.2	Greenbrier	CfE	Cateache silt loam, 25 to 35 percent slopes	--	--	0.2	--	--	--	0.2	--	--
155.2	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.4	--	--	--	0.4	--	0.4
155.2	Greenbrier	SfC	Shouns channery silt loam, 8 to 15 percent slopes	0.5	--	--	--	--	--	0.5	--	--

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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
155.2	Greenbrier	ShE	Shouns channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	0.4	--	--	--	0.4	--	0.4
155.3	Greenbrier	CfE	Cateache silt loam, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
155.4	Greenbrier	CfE	Cateache silt loam, 25 to 35 percent slopes	--	--	0.9	--	--	--	0.9	--	--
155.4	Greenbrier	Ml	Melvin-Lindside complex	0.6	--	--	--	--	0.6	0.6	0.6	--
155.5	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1
155.5	Greenbrier	Ml	Melvin-Lindside complex	0.2	--	--	--	--	0.2	0.2	0.2	--
155.6	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
155.6	Greenbrier	CyE	Culleoka loam, 25 to 35 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
155.7	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
155.7	Greenbrier	CuD	Culleoka loam, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
155.7	Greenbrier	CyE	Culleoka loam, 25 to 35 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
155.8	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	1.4	--	--	--	1.4	--	1.4
155.8	Greenbrier	CuD	Culleoka loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
155.9	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
155.9	Greenbrier	CuC	Culleoka loam, 8 to 15 percent slopes	0.2	--	--	--	--	--	0.2	--	--
155.9	Greenbrier	CuD	Culleoka loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
156	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	1.4	--	--	--	1.4	--	1.4
156	Greenbrier	CuC	Culleoka loam, 8 to 15 percent slopes	0.1	--	--	--	--	--	0.1	--	--
156	Greenbrier	CuD	Culleoka loam, 15 to 25 percent	0.0	--	0.0	--	--	--	0.0	--	--

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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
			slopes									
156.1	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
156.1	Greenbrier	CuD	Culleoka loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
156.2	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
156.3	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
156.3	Greenbrier	ShE	Shouns channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0
156.3	Greenbrier	Ux	Udorthents, smoothed-rock outcrop complex	--	--	--	--	--	--	0.4	--	--
156.4	Greenbrier	ShE	Shouns channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	0.5	--	--	--	0.5	--	0.5
156.4	Greenbrier	Ux	Udorthents, smoothed-rock outcrop complex	--	--	--	--	--	--	0.5	--	--
156.5	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
156.5	Greenbrier	ShE	Shouns channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	0.6	--	--	--	0.6	--	0.6
156.6	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	1.6	--	--	--	1.6	--	1.6
156.7	Greenbrier	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
156.7	Greenbrier	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
156.8	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
156.8	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1
156.9	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
156.9	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
157	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
157.1	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
157.2	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	1.6	--	1.6	--	--	--	1.6	--	--
157.3	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
157.4	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
157.4	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
157.5	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
157.5	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1
157.6	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
157.6	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
157.7	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
157.8	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	1.6	--	1.6	--	--	--	1.6	--	--
157.9	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
157.9	Summers	CeF	Cateache-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.0	--	--	--	0.0	--	--
158	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
158	Summers	GbF	Gilpin-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.5	--	--	--	0.5	--	--
158.1	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
158.1	Summers	GbF	Gilpin-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.7	--	--	--	0.7	--	--

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158.2	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
158.2	Summers	CeF	Cateache-Berks channery silt loams, 30 to 70 percent slopes	--	--	1.0	--	--	--	1.0	--	--
158.2	Summers	GbF	Gilpin-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.1	--	--	--	0.1	--	--
158.3	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
158.3	Summers	CeF	Cateache-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.3	--	--	--	0.3	--	--
158.3	Summers	GbD	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
158.4	Summers	CeF	Cateache-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.3	--	--	--	0.3	--	--
158.4	Summers	GbD	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
158.5	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
158.5	Summers	DgF	Dekalb-Gilpin-Jefferson complex, 35 to 80 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
158.5	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
158.5	Summers	GbD	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
158.6	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
158.6	Summers	GbD	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
158.7	Summers	GbD	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
158.8	Summers	GaC	Gilpin silt loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
158.8	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
158.8	Summers	GbD	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--

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158.9	Summers	CeF	Cateache-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.8	--	--	--	0.8	--	--
158.9	Summers	GaC	Gilpin silt loam, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
159	Summers	CeF	Cateache-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.9	--	--	--	0.9	--	--
159	Summers	ErB	Ernest silt loam, warm, 3 to 8 percent slopes	0.1	0.1	--	--	--	0.1	0.1	--	--
159	Summers	GaC	Gilpin silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
159	Summers	GbD	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
159	Summers	LlB	Lily loam, 3 to 8 percent slopes	0.0	--	--	--	--	--	0.0	--	--
159.1	Summers	GaC	Gilpin silt loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
159.1	Summers	LlB	Lily loam, 3 to 8 percent slopes	0.8	--	--	--	--	--	0.8	--	--
159.1	Summers	LlC	Lily loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
159.2	Summers	CeF	Cateache-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.0	--	--	--	0.0	--	--
159.2	Summers	LlC	Lily loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
159.3	Summers	CeF	Cateache-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.0	--	--	--	0.0	--	--
159.3	Summers	LlC	Lily loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
159.4	Summers	LlC	Lily loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
159.5	Summers	DgD	Dekalb-Gilpin-Jefferson complex, 15 to 35 percent slopes, very stony	1.1	--	1.1	--	--	--	1.1	--	1.1
159.5	Summers	LlC	Lily loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
159.6	Summers	DgD	Dekalb-Gilpin-Jefferson complex, 15 to 35 percent slopes, very stony	0.2	--	0.2	--	--	--	0.2	--	0.2
159.6	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
159.6	Summers	LlB	Lily loam, 3 to 8 percent slopes	1.2	--	--	--	--	--	1.2	--	--
159.7	Summers	DgD	Dekalb-Gilpin-Jefferson complex, 15 to 35 percent slopes, very stony	1.0	--	1.0	--	--	--	1.0	--	1.0

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
159.7	Summers	GaB	Gilpin silt loam, warm, 3 to 8 percent slopes	0.4	--	--	--	--	--	0.4	--	--
159.7	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
159.7	Summers	LlB	Lily loam, 3 to 8 percent slopes	0.1	--	--	--	--	--	0.1	--	--
159.8	Summers	DgD	Dekalb-Gilpin-Jefferson complex, 15 to 35 percent slopes, very stony	0.2	--	0.2	--	--	--	0.2	--	0.2
159.8	Summers	GaB	Gilpin silt loam, warm, 3 to 8 percent slopes	1.2	--	--	--	--	--	1.2	--	--
159.9	Summers	GaB	Gilpin silt loam, warm, 3 to 8 percent slopes	1.3	--	--	--	--	--	1.3	--	--
159.9	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
160	Summers	GaB	Gilpin silt loam, warm, 3 to 8 percent slopes	0.5	--	--	--	--	--	0.5	--	--
160	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
160.1	Summers	GaB	Gilpin silt loam, warm, 3 to 8 percent slopes	0.0	--	--	--	--	--	0.0	--	--
160.1	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
160.1	Summers	GbD	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
160.2	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
160.2	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
160.2	Summers	GbD	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
160.3	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	1.4	--	--	--	1.4	--	1.4
160.3	Summers	LlB	Lily loam, 3 to 8 percent slopes	0.2	--	--	--	--	--	0.2	--	--
160.4	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
160.4	Summers	LlB	Lily loam, 3 to 8 percent slopes	1.5	--	--	--	--	--	1.5	--	--

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Appendix 7A-1 (Revised July 2016)
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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
160.5	Summers	LlB	Lily loam, 3 to 8 percent slopes	1.3	--	--	--	--	--	1.3	--	--
160.6	Summers	JsD	Jefferson channery loam, 15 to 35 percent slopes, very stony	1.0	--	1.0	--	--	--	1.0	--	1.0
160.6	Summers	LlB	Lily loam, 3 to 8 percent slopes	0.5	--	--	--	--	--	0.5	--	--
160.7	Summers	DgF	Dekalb-Gilpin-Jefferson complex, 35 to 80 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1
160.7	Summers	JsD	Jefferson channery loam, 15 to 35 percent slopes, very stony	0.4	--	0.4	--	--	--	0.4	--	0.4
160.8	Summers	DeD	Dekalb channery fine sandy loam, 15 to 30 percent slopes	1.3	--	1.3	--	1.3	--	1.3	--	--
160.8	Summers	DgF	Dekalb-Gilpin-Jefferson complex, 35 to 80 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
160.9	Summers	DeD	Dekalb channery fine sandy loam, 15 to 30 percent slopes	1.5	--	1.5	--	1.5	--	1.5	--	--
160.9	Summers	LlB	Lily loam, 3 to 8 percent slopes	0.0	--	--	--	--	--	0.0	--	--
161	Summers	DeD	Dekalb channery fine sandy loam, 15 to 30 percent slopes	0.2	--	0.2	--	0.2	--	0.2	--	--
161	Summers	LlB	Lily loam, 3 to 8 percent slopes	1.4	--	--	--	--	--	1.4	--	--
161.1	Summers	DeD	Dekalb channery fine sandy loam, 15 to 30 percent slopes	0.7	--	0.7	--	0.7	--	0.7	--	--
161.1	Summers	LlB	Lily loam, 3 to 8 percent slopes	0.8	--	--	--	--	--	0.8	--	--
161.2	Summers	DeD	Dekalb channery fine sandy loam, 15 to 30 percent slopes	1.1	--	1.1	--	1.1	--	1.1	--	--
161.2	Summers	LlB	Lily loam, 3 to 8 percent slopes	0.4	--	--	--	--	--	0.4	--	--
161.3	Summers	DeD	Dekalb channery fine sandy loam, 15 to 30 percent slopes	0.0	--	0.0	--	0.0	--	0.0	--	--
161.3	Summers	LlB	Lily loam, 3 to 8 percent slopes	1.5	--	--	--	--	--	1.5	--	--
161.4	Summers	LlB	Lily loam, 3 to 8 percent slopes	1.4	--	--	--	--	--	1.4	--	--
161.5	Summers	LlB	Lily loam, 3 to 8 percent slopes	1.2	--	--	--	--	--	1.2	--	--
161.5	Summers	LlC	Lily loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
161.6	Summers	LlB	Lily loam, 3 to 8 percent slopes	1.4	--	--	--	--	--	1.4	--	--
161.7	Summers	LlB	Lily loam, 3 to 8 percent slopes	0.4	--	--	--	--	--	0.4	--	--

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Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
161.7	Summers	LlC	Lily loam, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
161.8	Summers	LlB	Lily loam, 3 to 8 percent slopes	1.2	--	--	--	--	--	1.2	--	--
161.8	Summers	LlC	Lily loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
161.9	Summers	DgF	Dekalb-Gilpin-Jefferson complex, 35 to 80 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
161.9	Summers	LlB	Lily loam, 3 to 8 percent slopes	1.5	--	--	--	--	--	1.5	--	--
162	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
162	Summers	DgF	Dekalb-Gilpin-Jefferson complex, 35 to 80 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
162.1	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
162.2	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
162.2	Summers	GbD	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
162.3	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
162.3	Summers	GbD	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
162.4	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
162.5	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
162.5	Summers	StD	Shouns silt loam, 15 to 30 percent slopes, very stony	0.5	--	0.5	--	--	--	0.5	--	0.5
162.6	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
162.6	Summers	StD	Shouns silt loam, 15 to 30 percent slopes, very stony	0.9	--	0.9	--	--	--	0.9	--	0.9
162.7	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	1.3	--	--	--	1.3	--	1.3
162.7	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--

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Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
162.8	Summers	CeC	Cateache-Berks channery silt loams, 3 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
162.8	Summers	ChD	Cateache-Berks channery silt loams, 15 to 30 percent slopes, very stony	0.1	--	0.1	--	--	--	0.1	--	0.1
162.8	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
162.9	Summers	CeC	Cateache-Berks channery silt loams, 3 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
162.9	Summers	ChD	Cateache-Berks channery silt loams, 15 to 30 percent slopes, very stony	1.5	--	1.5	--	--	--	1.5	--	1.5
163	Summers	ChD	Cateache-Berks channery silt loams, 15 to 30 percent slopes, very stony	0.5	--	0.5	--	--	--	0.5	--	0.5
163	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	1.0	--	--	--	1.0	--	1.0
163.1	Summers	CcC	Cateache silt loam, 3 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
163.1	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
163.1	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
163.2	Summers	CcC	Cateache silt loam, 3 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
163.2	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
163.3	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
163.3	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
163.4	Summers	DeC	Dekalb channery fine sandy loam, 3 to 15 percent slopes	0.8	--	--	--	0.8	--	0.8	--	--
163.4	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
163.4	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
163.5	Summers	DeC	Dekalb channery fine sandy loam, 3 to 15 percent slopes	1.5	--	--	--	1.5	--	1.5	--	--

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163.5	Summers	CcC	Cateache silt loam, 3 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
163.6	Summers	DeC	Dekalb channery fine sandy loam, 3 to 15 percent slopes	1.4	--	--	--	1.4	--	1.4	--	--
163.6	Summers	CcC	Cateache silt loam, 3 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
163.7	Summers	DeC	Dekalb channery fine sandy loam, 3 to 15 percent slopes	1.0	--	--	--	1.0	--	1.0	--	--
163.7	Summers	CcC	Cateache silt loam, 3 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
163.8	Summers	DeC	Dekalb channery fine sandy loam, 3 to 15 percent slopes	0.5	--	--	--	0.5	--	0.5	--	--
163.8	Summers	CcC	Cateache silt loam, 3 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
163.8	Summers	ChD	Cateache-Berks channery silt loams, 15 to 30 percent slopes, very stony	0.2	--	0.2	--	--	--	0.2	--	0.2
163.9	Summers	ChD	Cateache-Berks channery silt loams, 15 to 30 percent slopes, very stony	1.3	--	1.3	--	--	--	1.3	--	1.3
163.9	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
164	Summers	ChD	Cateache-Berks channery silt loams, 15 to 30 percent slopes, very stony	0.9	--	0.9	--	--	--	0.9	--	0.9
164	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
164.1	Summers	ChD	Cateache-Berks channery silt loams, 15 to 30 percent slopes, very stony	1.3	--	1.3	--	--	--	1.3	--	1.3
164.1	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
164.1	Summers	GbF	Gilpin-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.3	--	--	--	0.3	--	--
164.2	Summers	GbF	Gilpin-Berks channery silt loams, 30 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
164.3	Summers	GbD	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
164.3	Summers	GbF	Gilpin-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.4	--	--	--	0.4	--	--

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164.4	Summers	GbD	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
164.4	Summers	GbF	Gilpin-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.1	--	--	--	0.1	--	--
164.5	Summers	GbD	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
164.6	Summers	GbD	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
164.6	Summers	GbF3	Gilpin-Berks channery silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.5	--	--	--	0.5	--	--
164.7	Summers	GbD	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
164.7	Summers	GbF3	Gilpin-Berks channery silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.3	--	--	--	1.3	--	--
164.7	Summers	ShB	Shouns silt loam, 3 to 8 percent slopes	0.0	--	--	--	--	--	0.0	--	--
164.8	Summers	GbF	Gilpin-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.8	--	--	--	0.8	--	--
164.8	Summers	ShB	Shouns silt loam, 3 to 8 percent slopes	0.5	--	--	--	--	--	0.5	--	--
164.9	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
164.9	Summers	GbF	Gilpin-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.9	--	--	--	0.9	--	--
165	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
165	Summers	GbD	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
165.1	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
165.1	Summers	GbD	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
165.2	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--

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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
165.2	Summers	GbD	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
165.3	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
165.3	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
165.4	Summers	CcC	Cateache silt loam, 3 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
165.4	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.4	--	--	--	0.4	--	0.4
165.4	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
165.5	Summers	CcC	Cateache silt loam, 3 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
165.5	Summers	ChD	Cateache-Berks channery silt loams, 15 to 30 percent slopes, very stony	0.1	--	0.1	--	--	--	0.1	--	0.1
165.5	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
165.5	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
165.6	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
165.6	Summers	ChD	Cateache-Berks channery silt loams, 15 to 30 percent slopes, very stony	0.4	--	0.4	--	--	--	0.4	--	0.4
165.7	Summers	CcC	Cateache silt loam, 3 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
165.7	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
165.8	Summers	DeC	Dekalb channery fine sandy loam, 3 to 15 percent slopes	0.6	--	--	--	0.6	--	0.6	--	--
165.8	Summers	CcC	Cateache silt loam, 3 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
165.9	Summers	DeC	Dekalb channery fine sandy loam, 3 to 15 percent slopes	1.5	--	--	--	1.5	--	1.5	--	--
166	Summers	DeC	Dekalb channery fine sandy loam, 3 to 15 percent slopes	1.5	--	--	--	1.5	--	1.5	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
166	Summers	DgD	Dekalb-Gilpin-Jefferson complex, 15 to 35 percent slopes, very stony	0.1	--	0.1	--	--	--	0.1	--	0.1
166.1	Summers	DeC	Dekalb channery fine sandy loam, 3 to 15 percent slopes	0.5	--	--	--	0.5	--	0.5	--	--
166.1	Summers	DgD	Dekalb-Gilpin-Jefferson complex, 15 to 35 percent slopes, very stony	0.2	--	0.2	--	--	--	0.2	--	0.2
166.1	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
166.2	Summers	DgF	Dekalb-Gilpin-Jefferson complex, 35 to 80 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
166.2	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
166.3	Summers	DgF	Dekalb-Gilpin-Jefferson complex, 35 to 80 percent slopes, very stony	--	--	1.0	--	--	--	1.0	--	1.0
166.3	Summers	GaC	Gilpin silt loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
166.3	Summers	GbD	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
166.4	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
166.4	Summers	GbD	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
166.4	Summers	LlC	Lily loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
166.5	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
166.5	Summers	GaB	Gilpin silt loam, warm, 3 to 8 percent slopes	0.4	--	--	--	--	--	0.4	--	--
166.5	Summers	GbD	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
166.5	Summers	LlC	Lily loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
166.6	Summers	GaB	Gilpin silt loam, warm, 3 to 8 percent slopes	0.7	--	--	--	--	--	0.7	--	--
166.6	Summers	LlC	Lily loam, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
166.7	Summers	ChD	Cateache-Berks channery silt loams, 15 to 30 percent slopes, very stony	0.0	--	0.0	--	--	--	0.0	--	0.0

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Appendix 7A-1 (Revised July 2016)
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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
166.7	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
166.7	Summers	LlC	Lily loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
166.8	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.4	--	--	--	0.4	--	0.4
166.8	Summers	GaC	Gilpin silt loam, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
166.8	Summers	GbF	Gilpin-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.0	--	--	--	0.0	--	--
166.9	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
166.9	Summers	GaC	Gilpin silt loam, 8 to 15 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
166.9	Summers	GbF	Gilpin-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.1	--	--	--	0.1	--	--
167	Summers	CeC	Cateache-Berks channery silt loams, 3 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
167	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
167	Summers	GaC	Gilpin silt loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
167.1	Summers	CeC	Cateache-Berks channery silt loams, 3 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
167.2	Summers	CeC	Cateache-Berks channery silt loams, 3 to 15 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
167.2	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
167.3	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
167.4	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
167.4	Summers	GaC	Gilpin silt loam, 8 to 15 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
167.5	Summers	DeD	Dekalb channery fine sandy loam, 15 to 30 percent slopes	0.7	--	0.7	--	0.7	--	0.7	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
167.5	Summers	GaC	Gilpin silt loam, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
167.6	Summers	CeF	Cateache-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.8	--	--	--	0.8	--	--
167.6	Summers	DeD	Dekalb channery fine sandy loam, 15 to 30 percent slopes	0.8	--	0.8	--	0.8	--	0.8	--	--
167.7	Summers	CeF	Cateache-Berks channery silt loams, 30 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
167.8	Summers	CeF	Cateache-Berks channery silt loams, 30 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
167.9	Summers	CeF	Cateache-Berks channery silt loams, 30 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
168	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
168	Summers	CeF	Cateache-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.3	--	--	--	0.3	--	--
168.1	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
168.1	Summers	CeF	Cateache-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.9	--	--	--	0.9	--	--
168.2	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
168.2	Summers	CeF	Cateache-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.4	--	--	--	0.4	--	--
168.3	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
168.4	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
168.4	Summers	TtB	Tilsit silt loam, 3 to 8 percent slopes	0.4	--	--	--	--	--	--	--	--
168.5	Summers	TtB	Tilsit silt loam, 3 to 8 percent slopes	1.4	--	--	--	--	--	--	--	--
168.6	Summers	TtB	Tilsit silt loam, 3 to 8 percent slopes	1.6	--	--	--	--	--	--	--	--
168.7	Summers	TtB	Tilsit silt loam, 3 to 8 percent slopes	1.5	--	--	--	--	--	--	--	--
168.8	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
168.8	Summers	TtB	Tilsit silt loam, 3 to 8 percent slopes	0.4	--	--	--	--	--	--	--	--
168.9	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
169	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
169.1	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	1.3	--	--	--	1.3	--	1.3
169.1	Summers	ShC	Shouns silt loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
169.2	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
169.2	Summers	MgB	Monongahela silt loam, warm, 3 to 8 percent slopes	0.4	--	--	--	--	--	--	--	--
169.2	Summers	ShC	Shouns silt loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
169.3	Summers	MgB	Monongahela silt loam, warm, 3 to 8 percent slopes	0.8	--	--	--	--	--	--	--	--
169.3	Summers	Ud	Udifluvents and Psamments, frequently flooded	0.4	--	--	--	--	--	0.4	--	--
169.4	Summers	Ud	Udifluvents and Psamments, frequently flooded	0.9	--	--	--	--	--	0.9	--	--
169.5	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
169.5	Summers	ShC	Shouns silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
169.5	Summers	Ud	Udifluvents and Psamments, frequently flooded	1.1	--	--	--	--	--	1.1	--	--
169.6	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
169.6	Summers	ShC	Shouns silt loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
169.6	Summers	Ud	Udifluvents and Psamments, frequently flooded	0.0	--	--	--	--	--	0.0	--	--
169.7	Summers	Lo	Lobdell loam	0.1	0.1	--	--	--	0.1	--	--	--
169.7	Summers	ShC	Shouns silt loam, 8 to 15 percent	1.2	--	1.2	--	--	--	1.2	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
			slopes									
169.8	Summers	Lo	Lobdell loam	0.8	0.8	--	--	--	0.8	--	--	--
169.8	Summers	ShC	Shouns silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
169.8	Summers	ShD	Shouns silt loam, 15 to 30 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
169.9	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
169.9	Summers	ShD	Shouns silt loam, 15 to 30 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
170	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1
170	Summers	ShD	Shouns silt loam, 15 to 30 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
170.1	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
170.1	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.4	--	--	--	0.4	--	0.4
170.2	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
170.3	Summers	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
170.3	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1
170.4	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
170.5	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
170.5	Summers	Ud	Udifluvents and Psamments, frequently flooded	0.7	--	--	--	--	--	0.7	--	--
170.6	Summers	Cm	Chagrin loam	0.4	0.4	--	--	--	0.4	--	--	--
170.6	Summers	Ud	Udifluvents and Psamments, frequently flooded	0.2	--	--	--	--	--	0.2	--	--
170.6	Summers	W	Water	--	--	--	--	--	--	0.4	--	--
170.7	Summers	Cm	Chagrin loam	0.1	0.1	--	--	--	0.1	--	--	--

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Appendix 7A-1 (Revised July 2016)
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170.7	Summers	Ka	Kanawha fine sandy loam	1.3	--	--	--	--	--	1.3	--	--
170.8	Summers	Ka	Kanawha fine sandy loam	1.2	--	--	--	--	--	1.2	--	--
170.8	Summers	MgB	Monongahela silt loam, warm, 3 to 8 percent slopes	0.4	--	--	--	--	--	--	--	--
170.9	Summers	MgB	Monongahela silt loam, warm, 3 to 8 percent slopes	1.5	--	--	--	--	--	--	--	--
171	Summers	MgB	Monongahela silt loam, warm, 3 to 8 percent slopes	0.3	--	--	--	--	--	--	--	--
171	Summers	ShD	Shouns silt loam, 15 to 30 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
171	Summers	TvA	Tygart silt loam, 0 to 3 percent slopes	0.8	0.8	--	--	--	0.8	0.8	--	--
171.1	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
171.1	Summers	ShD	Shouns silt loam, 15 to 30 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
171.2	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
171.2	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
171.3	Summers	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
171.3	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
171.3	Summers	GbF	Gilpin-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.1	--	--	--	0.1	--	--
171.4	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
171.4	Summers	GbF	Gilpin-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.0	--	--	--	0.0	--	--
171.5	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
171.5	Summers	GbF	Gilpin-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.0	--	--	--	0.0	--	--
171.6	Summers	CuF	Culleoka silt loam, 30 to 65 percent slopes	--	--	0.7	--	--	--	0.7	--	--

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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
171.6	Summers	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
171.6	Summers	GbF	Gilpin-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.7	--	--	--	0.7	--	--
171.7	Summers	CuF	Culleoka silt loam, 30 to 65 percent slopes	--	--	1.3	--	--	--	1.3	--	--
171.7	Summers	Lo	Lobdell loam	0.1	0.1	--	--	--	0.1	--	--	--
171.8	Summers	GbF	Gilpin-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.2	--	--	--	0.2	--	--
171.8	Summers	Lo	Lobdell loam	1.1	1.1	--	--	--	1.1	--	--	--
171.9	Summers	GbF	Gilpin-Berks channery silt loams, 30 to 70 percent slopes	--	--	1.5	--	--	--	1.5	--	--
172	Summers	GbF	Gilpin-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.6	--	--	--	0.6	--	--
172	Summers	LlC	Lily loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
172.1	Summers	GbF	Gilpin-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.3	--	--	--	0.3	--	--
172.1	Summers	LlC	Lily loam, 8 to 15 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
172.2	Summers	GbF	Gilpin-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.6	--	--	--	0.6	--	--
172.2	Summers	LlC	Lily loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
172.3	Summers	FkC	Frederick silt loam, 3 to 15 percent slopes	1.1	--	--	--	--	--	1.1	--	--
172.3	Summers	GbF	Gilpin-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.2	--	--	--	0.2	--	--
172.4	Summers	FkC	Frederick silt loam, 3 to 15 percent slopes	1.5	--	--	--	--	--	1.5	--	--
172.5	Summers	FkC	Frederick silt loam, 3 to 15 percent slopes	1.5	--	--	--	--	--	1.5	--	--
172.6	Summers	FkC	Frederick silt loam, 3 to 15 percent slopes	1.5	--	--	--	--	--	1.5	--	--
172.7	Summers	FkC	Frederick silt loam, 3 to 15 percent slopes	1.5	--	--	--	--	--	1.5	--	--
172.8	Summers	FkC	Frederick silt loam, 3 to 15 percent	1.5	--	--	--	--	--	1.5	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
			slopes									
172.9	Summers	WeD	Westmoreland silt loam, 15 to 35 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
172.9	Summers	FkC	Frederick silt loam, 3 to 15 percent slopes	0.6	--	--	--	--	--	0.6	--	--
172.9	Summers	WeC	Westmoreland silt loam, 3 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
173	Summers	WeD	Westmoreland silt loam, 15 to 35 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
173	Summers	WeC	Westmoreland silt loam, 3 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
173.1	Summers	WeD	Westmoreland silt loam, 15 to 35 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
173.1	Summers	WeC	Westmoreland silt loam, 3 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
173.2	Summers	WeC	Westmoreland silt loam, 3 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
173.3	Summers	GbD	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
173.3	Summers	WeC	Westmoreland silt loam, 3 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
173.4	Summers	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	0.5	--	0.5	--	--	--	0.5	--	--
173.4	Summers	GbD	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
173.4	Summers	LaC	Laidig channery loam, 8 to 15 percent slopes	0.2	--	--	--	--	--	0.2	--	--
173.4	Summers	WeC	Westmoreland silt loam, 3 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
173.5	Monroe	LaC	Laidig channery loam, 8 to 15 percent slopes	1.5	--	--	--	--	--	1.5	--	--
173.5	Monroe	RgD	Rough very channery silt loam, 15 to 25 percent slopes	--	--	0.0	--	0.0	--	0.0	--	--
173.6	Monroe	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	0.3	--	--	--	0.3	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
173.6	Monroe	LaC	Laidig channery loam, 8 to 15 percent slopes	0.4	--	--	--	--	--	0.4	--	--
173.6	Monroe	RgD	Rough very channery silt loam, 15 to 25 percent slopes	--	--	0.8	--	0.8	--	0.8	--	--
173.7	Monroe	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	1.5	--	--	--	1.5	--	--
173.8	Monroe	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	0.3	--	--	--	0.3	--	--
173.8	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
173.9	Monroe	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	1.0	--	--	--	1.0	--	--
173.9	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
174	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
174.1	Monroe	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	0.3	--	--	--	0.3	--	--
174.1	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
174.2	Monroe	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	0.1	--	--	--	0.1	--	--
174.2	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
174.3	Monroe	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	1.0	--	--	--	1.0	--	--
174.3	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
174.4	Monroe	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	1.6	--	--	--	1.6	--	--
174.5	Monroe	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	1.6	--	--	--	1.6	--	--
174.6	Monroe	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	1.5	--	--	--	1.5	--	--
174.7	Monroe	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	1.5	--	--	--	1.5	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
174.8	Monroe	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	1.5	--	--	--	1.5	--	--
174.9	Monroe	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	0.3	--	--	--	0.3	--	--
174.9	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
175	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.0	--	--	--	0.0	--	--
175	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
175.1	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.7	--	--	--	0.7	--	--
175.1	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
175.2	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.1	--	--	--	0.1	--	--
175.2	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
175.3	Monroe	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	0.1	--	--	--	0.1	--	--
175.3	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
175.4	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.0	--	--	--	0.0	--	--
175.4	Monroe	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	0.4	--	--	--	0.4	--	--
175.4	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
175.5	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.0	--	--	--	0.0	--	--
175.5	Monroe	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	0.0	--	--	--	0.0	--	--
175.5	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
175.6	Monroe	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	0.5	--	--	--	0.5	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
175.6	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
175.7	Monroe	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	1.4	--	--	--	1.4	--	--
175.7	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
175.8	Monroe	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	1.5	--	--	--	1.5	--	--
175.9	Monroe	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	1.2	--	--	--	1.2	--	--
176	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.4	--	--	--	0.4	--	--
176	Monroe	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	1.1	--	--	--	1.1	--	--
176.1	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	0.5	--	0.5	--	--	--	0.5	--	--
176.1	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	1.1	--	--	--	1.1	--	--
176.2	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	1.5	--	1.5	--	--	--	1.5	--	--
176.2	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.0	--	--	--	0.0	--	--
176.3	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	1.5	--	1.5	--	--	--	1.5	--	--
176.4	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	1.2	--	1.2	--	--	--	1.2	--	--
176.4	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.3	--	--	--	0.3	--	--
176.5	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
176.6	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	1.4	--	--	--	1.4	--	--
176.7	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	1.6	--	--	--	1.6	--	--
176.8	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
176.9	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	1.6	--	--	--	1.6	--	--
177	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
177.1	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
177.2	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
177.3	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
177.4	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
177.5	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
177.6	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	1.4	--	--	--	1.4	--	--
177.7	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
177.8	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	1.3	--	--	--	1.3	--	--
177.8	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
177.9	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.2	--	--	--	0.2	--	--
177.9	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
178	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.0	--	--	--	0.0	--	--
178	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
178.1	Monroe	LwB	Litz-Cateache complex, 3 to 8 percent slopes	1.0	--	--	--	--	--	1.0	--	--
178.1	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
178.2	Monroe	LwB	Litz-Cateache complex, 3 to 8 percent slopes	0.3	--	--	--	--	--	0.3	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
178.2	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
178.2	Monroe	UF	Udifluvents-Fluvaquents complex	0.2	--	--	--	--	--	0.2	0.2	--
178.3	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	0.0	--	0.0	--	--	--	0.0	--	--
178.3	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.7	--	--	--	0.7	--	--
178.3	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
178.3	Monroe	UF	Udifluvents-Fluvaquents complex	0.1	--	--	--	--	--	0.1	0.1	--
178.4	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	0.1	--	0.1	--	--	--	0.1	--	--
178.4	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.0	--	--	--	0.0	--	--
178.4	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
178.5	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	0.0	--	0.0	--	--	--	0.0	--	--
178.5	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.2	--	--	--	0.2	--	--
178.5	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
178.6	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	1.3	--	1.3	--	--	--	1.3	--	--
178.6	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.1	--	--	--	0.1	--	--
178.6	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
178.7	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	0.6	--	0.6	--	--	--	0.6	--	--
178.7	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.9	--	--	--	0.9	--	--
178.7	Monroe	W	Water	--	--	--	--	--	--	0.0	--	--
178.8	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	0.2	--	0.2	--	--	--	0.2	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
178.8	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.9	--	--	--	0.9	--	--
178.8	Monroe	RgE	Rough very channery silt loam, 25 to 35 percent slopes	--	--	0.1	--	0.1	--	0.1	--	--
178.8	Monroe	W	Water	--	--	--	--	--	--	0.3	--	--
178.9	Monroe	RgE	Rough very channery silt loam, 25 to 35 percent slopes	--	--	1.4	--	1.4	--	1.4	--	--
179	Monroe	RgE	Rough very channery silt loam, 25 to 35 percent slopes	--	--	1.6	--	1.6	--	1.6	--	--
179.1	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	0.2	--	0.2	--	--	--	0.2	--	--
179.1	Monroe	RgE	Rough very channery silt loam, 25 to 35 percent slopes	--	--	1.3	--	1.3	--	1.3	--	--
179.2	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	1.3	--	1.3	--	--	--	1.3	--	--
179.2	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.1	--	--	--	0.1	--	--
179.3	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	1.2	--	1.2	--	--	--	1.2	--	--
179.3	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.1	--	--	--	0.1	--	--
179.3	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
179.4	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	0.6	--	0.6	--	--	--	0.6	--	--
179.4	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
179.5	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	0.4	--	0.4	--	--	--	0.4	--	--
179.5	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
179.5	Monroe	RgE	Rough very channery silt loam, 25 to 35 percent slopes	--	--	0.2	--	0.2	--	0.2	--	--
179.6	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.0	--	--	--	0.0	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
179.6	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
179.7	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
179.7	Monroe	RgD	Rough very channery silt loam, 15 to 25 percent slopes	--	--	0.9	--	0.9	--	0.9	--	--
179.8	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	1.1	--	1.1	--	--	--	1.1	--	--
179.8	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.0	--	--	--	0.0	--	--
179.8	Monroe	RgD	Rough very channery silt loam, 15 to 25 percent slopes	--	--	0.4	--	0.4	--	0.4	--	--
179.9	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	0.8	--	0.8	--	--	--	0.8	--	--
179.9	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.8	--	--	--	0.8	--	--
180	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
180.1	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
180.2	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.2	--	--	--	0.2	--	--
180.2	Monroe	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	0.6	--	0.6	--	0.6	--	0.6
180.2	Monroe	LfD	Lily channery loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
180.2	Monroe	LgC	Lily sandy loam, 8 to 15 percent slopes	0.6	--	--	--	--	--	0.6	--	--
180.3	Monroe	CnE	Cateache-Litz complex, 15 to 35 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
180.3	Monroe	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	0.5	--	0.5	--	0.5	--	0.5
180.3	Monroe	LgC	Lily sandy loam, 8 to 15 percent slopes	0.7	--	--	--	--	--	0.7	--	--
180.4	Monroe	CnE	Cateache-Litz complex, 15 to 35 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
180.5	Monroe	CnE	Cateache-Litz complex, 15 to 35 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
180.6	Monroe	CnE	Cateache-Litz complex, 15 to 35 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
180.7	Monroe	CnE	Cateache-Litz complex, 15 to 35 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
180.8	Monroe	CnE	Cateache-Litz complex, 15 to 35 percent slopes, very stony	--	--	1.6	--	--	--	1.6	--	1.6
180.9	Monroe	CnE	Cateache-Litz complex, 15 to 35 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
181	Monroe	CnE	Cateache-Litz complex, 15 to 35 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
181.1	Monroe	WeD	Weikert channery silt loam, 15 to 25 percent slopes	--	--	1.1	--	1.1	--	1.1	--	--
181.1	Monroe	CnE	Cateache-Litz complex, 15 to 35 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
181.1	Monroe	NcB	Nicholson silt loam, 3 to 8 percent slopes	0.2	--	--	--	--	--	--	--	--
181.2	Monroe	WeD	Weikert channery silt loam, 15 to 25 percent slopes	--	--	0.0	--	0.0	--	0.0	--	--
181.2	Monroe	NcB	Nicholson silt loam, 3 to 8 percent slopes	1.5	--	--	--	--	--	--	--	--
181.3	Monroe	WeD	Weikert channery silt loam, 15 to 25 percent slopes	--	--	0.5	--	0.5	--	0.5	--	--
181.3	Monroe	NcB	Nicholson silt loam, 3 to 8 percent slopes	0.0	--	--	--	--	--	--	--	--
181.3	Monroe	UF	Udifluvents-Fluvaquents complex	0.2	--	--	--	--	--	0.2	0.2	--
181.3	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.8	--	0.8	--	0.8	--	--
181.4	Monroe	LsB	Litz channery silt loam, 3 to 8 percent slopes	0.1	--	--	--	--	--	0.1	--	--
181.4	Monroe	UF	Udifluvents-Fluvaquents complex	1.1	--	--	--	--	--	1.1	1.1	--
181.4	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.1	--	0.1	--	0.1	--	--
181.5	Monroe	UF	Udifluvents-Fluvaquents complex	0.9	--	--	--	--	--	0.9	0.9	--

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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
181.6	Monroe	LsD	Litz channery silt loam, 15 to 25 percent slopes	1.2	--	1.2	--	1.2	--	1.2	--	--
181.6	Monroe	UF	Udifluvents-Fluvaquents complex	0.2	--	--	--	--	--	0.2	0.2	--
181.7	Monroe	DeD	Dekalb channery loam, 15 to 25 percent slopes, very stony	--	--	--	--	0.1	--	0.1	--	0.1
181.7	Monroe	LsD	Litz channery silt loam, 15 to 25 percent slopes	1.4	--	1.4	--	1.4	--	1.4	--	--
181.8	Monroe	DeD	Dekalb channery loam, 15 to 25 percent slopes, very stony	--	--	--	--	0.6	--	0.6	--	0.6
181.8	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.9	--	0.9	--	0.9	--	--
181.9	Monroe	Ln	Lindside silt loam	0.0	--	--	--	--	--	--	--	--
181.9	Monroe	LsD	Litz channery silt loam, 15 to 25 percent slopes	0.7	--	0.7	--	0.7	--	0.7	--	--
181.9	Monroe	W	Water	--	--	--	--	--	--	0.1	--	--
181.9	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.3	--	0.3	--	0.3	--	--
182	Monroe	LsD	Litz channery silt loam, 15 to 25 percent slopes	0.8	--	0.8	--	0.8	--	0.8	--	--
182	Monroe	LsE	Litz channery silt loam, 25 to 35 percent slopes	--	--	0.8	--	0.8	--	0.8	--	--
182.1	Monroe	DeD	Dekalb channery loam, 15 to 25 percent slopes, very stony	--	--	--	--	0.4	--	0.4	--	0.4
182.1	Monroe	LsE	Litz channery silt loam, 25 to 35 percent slopes	--	--	1.1	--	1.1	--	1.1	--	--
182.2	Monroe	DeD	Dekalb channery loam, 15 to 25 percent slopes, very stony	--	--	--	--	0.6	--	0.6	--	0.6
182.2	Monroe	LtB	Litz silt loam, 3 to 8 percent slopes	0.4	--	--	--	--	--	0.4	--	--
182.2	Monroe	LtC	Litz silt loam, 8 to 15 percent slopes	0.5	--	0.5	--	0.5	--	0.5	--	--
182.3	Monroe	LtB	Litz silt loam, 3 to 8 percent slopes	0.8	--	--	--	--	--	0.8	--	--
182.3	Monroe	LtC	Litz silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	0.1	--	0.1	--	--
182.3	Monroe	LtF	Litz silt loam, 35 to 60 percent slopes	--	--	0.6	--	0.6	--	0.6	--	--
182.4	Monroe	DeE	Dekalb channery loam, 25 to 35 percent slopes, very stony	--	--	0.6	--	0.6	--	0.6	--	0.6

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182.4	Monroe	LtF	Litz silt loam, 35 to 60 percent slopes	--	--	0.7	--	0.7	--	0.7	--	--
182.5	Monroe	DeE	Dekalb channery loam, 25 to 35 percent slopes, very stony	--	--	0.8	--	0.8	--	0.8	--	0.8
182.5	Monroe	LtF	Litz silt loam, 35 to 60 percent slopes	--	--	0.7	--	0.7	--	0.7	--	--
182.6	Monroe	LtF	Litz silt loam, 35 to 60 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
182.7	Monroe	LtF	Litz silt loam, 35 to 60 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
182.8	Monroe	LtD	Litz silt loam, 15 to 25 percent slopes	1.2	--	1.2	--	1.2	--	1.2	--	--
182.8	Monroe	LtF	Litz silt loam, 35 to 60 percent slopes	--	--	0.3	--	0.3	--	0.3	--	--
182.9	Monroe	LtD	Litz silt loam, 15 to 25 percent slopes	0.8	--	0.8	--	0.8	--	0.8	--	--
182.9	Monroe	LtF	Litz silt loam, 35 to 60 percent slopes	--	--	0.8	--	0.8	--	0.8	--	--
183	Monroe	LtD	Litz silt loam, 15 to 25 percent slopes	0.2	--	0.2	--	0.2	--	0.2	--	--
183	Monroe	LtF	Litz silt loam, 35 to 60 percent slopes	--	--	1.3	--	1.3	--	1.3	--	--
183.1	Monroe	LtF	Litz silt loam, 35 to 60 percent slopes	--	--	0.4	--	0.4	--	0.4	--	--
183.1	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	1.1	--	1.1	--	1.1	--	--
183.2	Monroe	Me	Melvin silt loam	1.2	--	--	--	--	1.2	1.2	1.2	--
183.2	Monroe	RgE	Rough very channery silt loam, 25 to 35 percent slopes	--	--	0.2	--	0.2	--	0.2	--	--
183.2	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.1	--	0.1	--	0.1	--	--
183.3	Monroe	Me	Melvin silt loam	1.0	--	--	--	--	1.0	1.0	1.0	--
183.3	Monroe	RgE	Rough very channery silt loam, 25 to 35 percent slopes	--	--	0.2	--	0.2	--	0.2	--	--
183.4	Monroe	LsF	Litz channery silt loam, 35 to 60 percent slopes	--	--	1.1	--	1.1	--	1.1	--	--
183.4	Monroe	Me	Melvin silt loam	0.2	--	--	--	--	0.2	0.2	0.2	--
183.4	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.2	--	0.2	--	0.2	--	--
183.5	Monroe	LsF	Litz channery silt loam, 35 to 60 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
183.6	Monroe	LsF	Litz channery silt loam, 35 to 60 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--

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183.7	Monroe	LsF	Litz channery silt loam, 35 to 60 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
183.8	Monroe	LsF	Litz channery silt loam, 35 to 60 percent slopes	--	--	1.1	--	1.1	--	1.1	--	--
183.8	Monroe	RgE	Rough very channery silt loam, 25 to 35 percent slopes	--	--	0.5	--	0.5	--	0.5	--	--
183.9	Monroe	WeD	Weikert channery silt loam, 15 to 25 percent slopes	--	--	0.1	--	0.1	--	0.1	--	--
183.9	Monroe	RgE	Rough very channery silt loam, 25 to 35 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
184	Monroe	WeD	Weikert channery silt loam, 15 to 25 percent slopes	--	--	0.7	--	0.7	--	0.7	--	--
184	Monroe	LsF	Litz channery silt loam, 35 to 60 percent slopes	--	--	0.1	--	0.1	--	0.1	--	--
184	Monroe	RgE	Rough very channery silt loam, 25 to 35 percent slopes	--	--	0.0	--	0.0	--	0.0	--	--
184	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.7	--	0.7	--	0.7	--	--
184.1	Monroe	LsF	Litz channery silt loam, 35 to 60 percent slopes	--	--	0.0	--	0.0	--	0.0	--	--
184.1	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	1.4	--	1.4	--	1.4	--	--
184.2	Monroe	RgE	Rough very channery silt loam, 25 to 35 percent slopes	--	--	1.2	--	1.2	--	1.2	--	--
184.2	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.3	--	0.3	--	0.3	--	--
184.3	Monroe	RgE	Rough very channery silt loam, 25 to 35 percent slopes	--	--	0.3	--	0.3	--	0.3	--	--
184.3	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	1.2	--	1.2	--	1.2	--	--
184.4	Monroe	WeC	Weikert channery silt loam, 8 to 15 percent slopes	0.8	--	--	--	0.8	--	0.8	--	--
184.4	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.9	--	0.9	--	0.9	--	--
184.5	Monroe	RgE	Rough very channery silt loam, 25 to 35 percent slopes	--	--	0.2	--	0.2	--	0.2	--	--

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184.5	Monroe	WeC	Weikert channery silt loam, 8 to 15 percent slopes	1.0	--	--	--	1.0	--	1.0	--	--
184.6	Monroe	RgE	Rough very channery silt loam, 25 to 35 percent slopes	--	--	1.2	--	1.2	--	1.2	--	--
184.6	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.3	--	0.3	--	0.3	--	--
184.7	Monroe	RgE	Rough very channery silt loam, 25 to 35 percent slopes	--	--	0.0	--	0.0	--	0.0	--	--
184.7	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
184.8	Monroe	WeD	Weikert channery silt loam, 15 to 25 percent slopes	--	--	0.1	--	0.1	--	0.1	--	--
184.8	Monroe	Me	Melvin silt loam	0.8	--	--	--	--	0.8	0.8	0.8	--
184.8	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.4	--	0.4	--	0.4	--	--
184.9	Monroe	LsF	Litz channery silt loam, 35 to 60 percent slopes	--	--	0.9	--	0.9	--	0.9	--	--
184.9	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.6	--	0.6	--	0.6	--	--
185	Monroe	LsF	Litz channery silt loam, 35 to 60 percent slopes	--	--	0.6	--	0.6	--	0.6	--	--
185	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.9	--	0.9	--	0.9	--	--
185.1	Monroe	BtE	Blackthorn very channery loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1
185.1	Monroe	LsF	Litz channery silt loam, 35 to 60 percent slopes	--	--	1.1	--	1.1	--	1.1	--	--
185.1	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.3	--	0.3	--	0.3	--	--
185.2	Monroe	BtE	Blackthorn very channery loam, 15 to 35 percent slopes, extremely stony	--	--	1.1	--	--	--	1.1	--	1.1
185.2	Monroe	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	0.3	--	0.3	--	0.3	--	0.3
185.2	Monroe	LsE	Litz channery silt loam, 25 to 35 percent slopes	--	--	0.0	--	0.0	--	0.0	--	--

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185.2	Monroe	LsF	Litz channery silt loam, 35 to 60 percent slopes	--	--	0.0	--	0.0	--	0.0	--	--
185.2	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.2	--	0.2	--	0.2	--	--
185.3	Monroe	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	1.5	--	1.5	--	1.5	--	1.5
185.4	Monroe	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	0.8	--	0.8	--	0.8	--	0.8
185.4	Monroe	LgD	Lily sandy loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
185.5	Monroe	LgC	Lily sandy loam, 8 to 15 percent slopes	1.2	--	--	--	--	--	1.2	--	--
185.5	Monroe	LgD	Lily sandy loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
185.6	Monroe	LgC	Lily sandy loam, 8 to 15 percent slopes	1.5	--	--	--	--	--	1.5	--	--
185.7	Monroe	LgC	Lily sandy loam, 8 to 15 percent slopes	1.5	--	--	--	--	--	1.5	--	--
185.8	Monroe	LgC	Lily sandy loam, 8 to 15 percent slopes	1.5	--	--	--	--	--	1.5	--	--
185.9	Monroe	LgC	Lily sandy loam, 8 to 15 percent slopes	1.6	--	--	--	--	--	1.6	--	--
186	Monroe	LgC	Lily sandy loam, 8 to 15 percent slopes	1.5	--	--	--	--	--	1.5	--	--
186.1	Monroe	LgC	Lily sandy loam, 8 to 15 percent slopes	1.5	--	--	--	--	--	1.5	--	--
186.2	Monroe	LgC	Lily sandy loam, 8 to 15 percent slopes	1.5	--	--	--	--	--	1.5	--	--
186.3	Monroe	LgC	Lily sandy loam, 8 to 15 percent slopes	0.4	--	--	--	--	--	0.4	--	--
186.3	Monroe	LgD	Lily sandy loam, 15 to 25 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
186.4	Monroe	LgD	Lily sandy loam, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
186.5	Monroe	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	0.0	--	0.0	--	0.0	--	0.0

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186.5	Monroe	LgD	Lily sandy loam, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
186.6	Monroe	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	0.9	--	0.9	--	0.9	--	0.9
186.6	Monroe	LbC	Laidig channery loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	0.0	--	0.0
186.6	Monroe	LgD	Lily sandy loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
186.7	Monroe	CnF	Cateache-Litz complex, 35 to 60 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
186.7	Monroe	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	0.0	--	0.0	--	0.0	--	0.0
186.7	Monroe	LbC	Laidig channery loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	1.2	--	1.2
186.8	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	0.3	--	0.3	--	--	--	0.3	--	--
186.8	Monroe	CnF	Cateache-Litz complex, 35 to 60 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
186.8	Monroe	LbC	Laidig channery loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	0.0	--	0.0
186.9	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	1.4	--	1.4	--	--	--	1.4	--	--
187	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	1.4	--	1.4	--	--	--	1.4	--	--
187	Monroe	CnF	Cateache-Litz complex, 35 to 60 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
187.1	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	0.5	--	0.5	--	--	--	0.5	--	--
187.1	Monroe	CnF	Cateache-Litz complex, 35 to 60 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
187.1	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
187.2	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	0.0	--	0.0	--	--	--	0.0	--	--
187.2	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--

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187.2	Monroe	TtC	Tilsit silt loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	--	--	--
187.3	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	0.9	--	0.9	--	--	--	0.9	--	--
187.3	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.0	--	--	--	0.0	--	--
187.3	Monroe	TtB	Tilsit silt loam, 3 to 8 percent slopes	0.5	--	--	--	--	0.5	--	--	--
187.3	Monroe	TtC	Tilsit silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--
187.4	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	0.4	--	0.4	--	--	--	0.4	--	--
187.4	Monroe	TtB	Tilsit silt loam, 3 to 8 percent slopes	1.1	--	--	--	--	1.1	--	--	--
187.5	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	0.0	--	0.0	--	--	--	0.0	--	--
187.5	Monroe	TtB	Tilsit silt loam, 3 to 8 percent slopes	1.4	--	--	--	--	1.4	--	--	--
187.6	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	0.0	--	0.0	--	--	--	0.0	--	--
187.6	Monroe	RgE	Rough very channery silt loam, 25 to 35 percent slopes	--	--	0.5	--	0.5	--	0.5	--	--
187.6	Monroe	TtB	Tilsit silt loam, 3 to 8 percent slopes	1.1	--	--	--	--	1.1	--	--	--
187.7	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	0.1	--	0.1	--	--	--	0.1	--	--
187.7	Monroe	TtB	Tilsit silt loam, 3 to 8 percent slopes	1.4	--	--	--	--	1.4	--	--	--
187.8	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	0.1	--	0.1	--	--	--	0.1	--	--
187.8	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.6	--	--	--	0.6	--	--
187.8	Monroe	RgE	Rough very channery silt loam, 25 to 35 percent slopes	--	--	0.4	--	0.4	--	0.4	--	--
187.8	Monroe	TtB	Tilsit silt loam, 3 to 8 percent slopes	0.3	--	--	--	--	0.3	--	--	--
187.9	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	1.4	--	--	--	1.4	--	--
188	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	1.6	--	--	--	1.6	--	--
188.1	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.5	--	--	--	0.5	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
188.1	Monroe	RgE	Rough very channery silt loam, 25 to 35 percent slopes	--	--	1.1	--	1.1	--	1.1	--	--
188.2	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.7	--	--	--	0.7	--	--
188.2	Monroe	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	0.0	--	--	--	0.0	--	--
188.2	Monroe	RgE	Rough very channery silt loam, 25 to 35 percent slopes	--	--	0.8	--	0.8	--	0.8	--	--
188.3	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.4	--	--	--	0.4	--	--
188.3	Monroe	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	1.0	--	--	--	1.0	--	--
188.4	Monroe	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	1.5	--	--	--	1.5	--	--
188.5	Monroe	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	1.5	--	--	--	1.5	--	--
188.6	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	1.2	--	--	--	1.2	--	--
188.6	Monroe	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	0.4	--	--	--	0.4	--	--
188.7	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
188.8	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	0.0	--	0.0	--	--	--	0.0	--	--
188.8	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.3	--	--	--	0.3	--	--
188.8	Monroe	LwB	Litz-Cateache complex, 3 to 8 percent slopes	0.3	--	--	--	--	--	0.3	--	--
188.8	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
188.9	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.3	--	--	--	0.3	--	--
188.9	Monroe	LwB	Litz-Cateache complex, 3 to 8 percent slopes	1.3	--	--	--	--	--	1.3	--	--
188.9	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--

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Appendix 7A-1 (Revised July 2016)
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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
189	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
189	Monroe	LwB	Litz-Cateache complex, 3 to 8 percent slopes	0.0	--	--	--	--	--	0.0	--	--
189	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
189.1	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.8	--	--	--	0.8	--	--
189.1	Monroe	UF	Udifluvents-Fluvaquents complex	0.5	--	--	--	--	--	0.5	0.5	--
189.2	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
189.3	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
189.4	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	1.1	--	1.1	--	--	--	1.1	--	--
189.4	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.5	--	--	--	0.5	--	--
189.4	Monroe	RgE	Rough very channery silt loam, 25 to 35 percent slopes	--	--	0.0	--	0.0	--	0.0	--	--
189.5	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	1.5	--	1.5	--	--	--	1.5	--	--
189.5	Monroe	RgE	Rough very channery silt loam, 25 to 35 percent slopes	--	--	0.0	--	0.0	--	0.0	--	--
189.6	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	0.9	--	0.9	--	--	--	0.9	--	--
189.6	Monroe	RgE	Rough very channery silt loam, 25 to 35 percent slopes	--	--	0.6	--	0.6	--	0.6	--	--
189.7	Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	0.9	--	0.9	--	--	--	0.9	--	--
189.7	Monroe	LgC	Lily sandy loam, 8 to 15 percent slopes	0.1	--	--	--	--	--	0.1	--	--
189.7	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
189.7	Monroe	RgE	Rough very channery silt loam, 25 to 35 percent slopes	--	--	0.2	--	0.2	--	0.2	--	--

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
189.8	Monroe	LgC	Lily sandy loam, 8 to 15 percent slopes	0.7	--	--	--	--	--	0.7	--	--
189.8	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
189.8	Monroe	RgD	Rough very channery silt loam, 15 to 25 percent slopes	--	--	0.0	--	0.0	--	0.0	--	--
189.8	Monroe	RgE	Rough very channery silt loam, 25 to 35 percent slopes	--	--	0.4	--	0.4	--	0.4	--	--
189.9	Monroe	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	1.1	--	--	--	1.1	--	--
189.9	Monroe	ErB	Ernest silt loam, warm, 3 to 8 percent slopes	0.1	--	--	--	--	--	0.1	--	--
189.9	Monroe	LwC	Litz-Cateache complex, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
190	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.0	--	--	--	0.0	--	--
190	Monroe	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	0.6	--	--	--	0.6	--	--
190	Monroe	ErB	Ernest silt loam, warm, 3 to 8 percent slopes	0.9	--	--	--	--	--	0.9	--	--
190.1	Monroe	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.5	--	--	--	0.5	--	--
190.1	Monroe	CnE	Cateache-Litz complex, 15 to 35 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
190.2	Monroe	CnE	Cateache-Litz complex, 15 to 35 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
190.3	Monroe	CnE	Cateache-Litz complex, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
190.3	Monroe	LsD	Litz channery silt loam, 15 to 25 percent slopes	0.1	--	0.1	--	0.1	--	0.1	--	--
190.3	Monroe	LtE	Litz silt loam, 25 to 35 percent slopes	--	--	1.3	--	1.3	--	1.3	--	--
190.4	Monroe	LsD	Litz channery silt loam, 15 to 25 percent slopes	0.6	--	0.6	--	0.6	--	0.6	--	--
190.4	Monroe	LsE	Litz channery silt loam, 25 to 35 percent slopes	--	--	0.9	--	0.9	--	0.9	--	--

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Appendix 7A-1 (Revised July 2016)
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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
190.5	Monroe	CsB	Clarksburg silt loam, 3 to 8 percent slopes	0.6	--	--	--	--	0.6	0.6	--	--
190.5	Monroe	LsE	Litz channery silt loam, 25 to 35 percent slopes	--	--	0.9	--	0.9	--	0.9	--	--
190.6	Monroe	LsE	Litz channery silt loam, 25 to 35 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
190.7	Monroe	FFE	Frederick and Dunmore soils, 25 to 45 percent slopes, very rocky	--	--	0.1	--	--	--	0.1	--	0.1
190.7	Monroe	LsE	Litz channery silt loam, 25 to 35 percent slopes	--	--	1.4	--	1.4	--	1.4	--	--
190.8	Monroe	FaC	Frankstown silt loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
190.8	Monroe	FFE	Frederick and Dunmore soils, 25 to 45 percent slopes, very rocky	--	--	0.5	--	--	--	0.5	--	0.5
190.8	Monroe	FmD	Frederick silt loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
190.9	Monroe	FaD	Frankstown silt loam, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
190.9	Monroe	FmD	Frederick silt loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
191	Monroe	FaD	Frankstown silt loam, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
191	Monroe	FmD	Frederick silt loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
191	Monroe	Me	Melvin silt loam	0.4	--	--	--	--	0.4	0.4	0.4	--
191.1	Monroe	FFE	Frederick and Dunmore soils, 25 to 45 percent slopes, very rocky	--	--	0.8	--	--	--	0.8	--	0.8
191.1	Monroe	Me	Melvin silt loam	0.4	--	--	--	--	0.4	0.4	0.4	--
191.2	Monroe	FFE	Frederick and Dunmore soils, 25 to 45 percent slopes, very rocky	--	--	1.5	--	--	--	1.5	--	1.5
191.3	Monroe	FFE	Frederick and Dunmore soils, 25 to 45 percent slopes, very rocky	--	--	1.5	--	--	--	1.5	--	1.5
191.4	Monroe	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	1.3	--	1.3	--	1.3	--	1.3

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Appendix 7A-1 (Revised July 2016)
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Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
191.4	Monroe	FFE	Frederick and Dunmore soils, 25 to 45 percent slopes, very rocky	--	--	0.1	--	--	--	0.1	--	0.1
191.5	Monroe	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	1.6	--	1.6	--	1.6	--	1.6
191.6	Monroe	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	1.3	--	1.3	--	1.3	--	1.3
191.6	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.2	--	0.2	--	0.2	--	--
191.7	Monroe	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	0.5	--	0.5	--	0.5	--	0.5
191.7	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	1.1	--	1.1	--	1.1	--	--
191.8	Monroe	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	0.9	--	0.9	--	0.9	--	0.9
191.8	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.6	--	0.6	--	0.6	--	--
191.9	Monroe	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	0.1	--	0.1	--	0.1	--	0.1
191.9	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
192	Monroe	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	0.9	--	0.9	--	0.9	--	0.9
192	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.6	--	0.6	--	0.6	--	--
192.1	Monroe	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	0.4	--	0.4	--	0.4	--	0.4
192.1	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	1.1	--	1.1	--	1.1	--	--
192.2	Monroe	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	0.4	--	0.4	--	0.4	--	0.4
192.2	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	1.1	--	1.1	--	1.1	--	--
192.3	Monroe	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	0.3	--	0.3	--	0.3	--	0.3
192.3	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	1.2	--	1.2	--	1.2	--	--

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192.4	Monroe	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	0.2	--	0.2	--	0.2	--	0.2
192.4	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	1.3	--	1.3	--	1.3	--	--
192.5	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	1.6	--	1.6	--	1.6	--	--
192.6	Monroe	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	0.3	--	0.3	--	0.3	--	0.3
192.6	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	1.2	--	1.2	--	1.2	--	--
192.7	Monroe	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	1.4	--	1.4	--	1.4	--	1.4
192.7	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.0	--	0.0	--	0.0	--	--
192.8	Monroe	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	1.5	--	1.5	--	1.5	--	1.5
192.9	Monroe	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	0.9	--	0.9	--	0.9	--	0.9
192.9	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.6	--	0.6	--	0.6	--	--
193	Monroe	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	1.4	--	1.4	--	1.4	--	1.4
193	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.1	--	0.1	--	0.1	--	--
193.1	Monroe	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	1.6	--	1.6	--	1.6	--	1.6
193.1	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.0	--	0.0	--	0.0	--	--
193.2	Monroe	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	1.5	--	1.5	--	1.5	--	1.5
193.2	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.1	--	0.1	--	0.1	--	--
193.3	Monroe	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	0.2	--	0.2	--	0.2	--	0.2
193.3	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	1.4	--	1.4	--	1.4	--	--

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193.4	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
193.5	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
193.6	Monroe	UF	Udifluvents-Fluvaquents complex	0.4	--	--	--	--	--	0.4	0.4	--
193.6	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.7	--	0.7	--	0.7	--	--
193.7	Monroe	WeC	Weikert channery silt loam, 8 to 15 percent slopes	0.5	--	--	--	0.5	--	0.5	--	--
193.7	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	1.0	--	1.0	--	1.0	--	--
193.8	Monroe	WeD	Weikert channery silt loam, 15 to 25 percent slopes	--	--	1.0	--	1.0	--	1.0	--	--
193.8	Monroe	WeC	Weikert channery silt loam, 8 to 15 percent slopes	0.4	--	--	--	0.4	--	0.4	--	--
193.8	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.1	--	0.1	--	0.1	--	--
193.9	Monroe	WeD	Weikert channery silt loam, 15 to 25 percent slopes	--	--	0.9	--	0.9	--	0.9	--	--
193.9	Monroe	FFE	Frederick and Dunmore soils, 25 to 45 percent slopes, very rocky	--	--	0.5	--	--	--	0.5	--	0.5
193.9	Monroe	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.1	--	0.1	--	0.1	--	--
194	Monroe	ElD	Elliber very channery silt loam, 15 to 25 percent slopes	0.8	--	--	--	--	--	0.8	--	--
194	Monroe	FFE	Frederick and Dunmore soils, 25 to 45 percent slopes, very rocky	--	--	0.7	--	--	--	0.7	--	0.7
194.1	Monroe	ElD	Elliber very channery silt loam, 15 to 25 percent slopes	0.4	--	--	--	--	--	0.4	--	--
194.1	Monroe	FFD	Frederick and Dunmore soils, 15 to 25 percent slopes, very rocky	1.1	--	1.1	--	--	--	1.1	--	1.1
194.2	Monroe	BtE	Blackthorn very channery loam, 15 to 35 percent slopes, extremely stony	--	--	1.0	--	--	--	1.0	--	1.0
194.2	Monroe	FFD	Frederick and Dunmore soils, 15 to 25 percent slopes, very rocky	0.0	--	0.0	--	--	--	0.0	--	0.0

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Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
194.2	Monroe	MuC	Murrill channery loam, 8 to 15 percent slopes	0.4	--	--	--	--	--	0.4	--	--
194.3	Monroe	BtE	Blackthorn very channery loam, 15 to 35 percent slopes, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
194.3	Monroe	MuC	Murrill channery loam, 8 to 15 percent slopes	0.0	--	--	--	--	--	0.0	--	--
194.4	Monroe	BtE	Blackthorn very channery loam, 15 to 35 percent slopes, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
194.5	Monroe	BtE	Blackthorn very channery loam, 15 to 35 percent slopes, extremely stony	--	--	0.6	--	--	--	0.6	--	0.6
194.5	Monroe	MuC	Murrill channery loam, 8 to 15 percent slopes	0.9	--	--	--	--	--	0.9	--	--
194.6	Monroe	BtE	Blackthorn very channery loam, 15 to 35 percent slopes, extremely stony	--	--	1.2	--	--	--	1.2	--	1.2
194.6	Monroe	MuC	Murrill channery loam, 8 to 15 percent slopes	0.3	--	--	--	--	--	0.3	--	--
194.7	Monroe	BtE	Blackthorn very channery loam, 15 to 35 percent slopes, extremely stony	--	--	1.5	--	--	--	1.5	--	1.5
194.8	Monroe	BtE	Blackthorn very channery loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1
194.8	Monroe	LbD	Laidig channery loam, 15 to 25 percent slopes, very stony	--	--	1.4	--	--	--	1.4	--	1.4
194.9	Monroe	LbD	Laidig channery loam, 15 to 25 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
195	Monroe	LbD	Laidig channery loam, 15 to 25 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
195.1	Monroe	DeG	Dekalb channery loam, 55 to 70 percent slopes, very stony	--	--	1.2	--	1.2	--	1.2	--	1.2
195.1	Monroe	LbD	Laidig channery loam, 15 to 25 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
195.2	Monroe	DeG	Dekalb channery loam, 55 to 70 percent slopes, very stony	--	--	1.5	--	1.5	--	1.5	--	1.5
195.3	Monroe	DeG	Dekalb channery loam, 55 to 70 percent slopes, very stony	--	--	1.5	--	1.5	--	1.5	--	1.5
195.4	Monroe	23F	Lehew and Wallen soils, very stony, 35 to 65 percent slopes	--	--	0.1	--	0.1	--	0.1	--	0.1

Attachment DR3 Soils-1a

Appendix 7A-1 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in West Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
195.4	Monroe	DeG	Dekalb channery loam, 55 to 70 percent slopes, very stony	--	--	1.5	--	1.5	--	1.5	--	1.5
Total				**1077.1**	**7.5**	**2503.3**	**--**	**244.6**	**23.9**	**2798.3**	**21.2**	**968.3**

Source: NCRS 2015
Note: Totals may not sum correctly due to rounding.

-/ Does not meet criteria below.
a/ Areas identified as Prime Farmland are identified as lands that meet the All Prime Farmland or Farmland of Statewide and Local Importance criteria as determined by NRCS, SSURGO.
b/ Areas identified to have a severe compaction potential are limited to silt loam or finer based on particle size and ranked "somewhat poor", "poor", and "very poor" drainage as determined by SSURGO.
c/ Areas identified as Highly Water Erodible Soils are ranked as "Very Severe" or "Severe" by SSURGO Erosion Hazard (Off-Road, Off-Trail) criteria.
d/ Areas identified as Highly Wind Erodible Soils have a Wind Erodibility Index of 1 or 2 as determined by SSURGO.
e/ Areas identified to have poor revegetation potential are lands that have a Capability Class 3 or greater, a low available water capacity, and slopes greater than 8 percent as determined by SSURGO.
f/ Areas identified to have a hydric rating include all and partial criteria as determined by SSURGO.
g/ Areas identified to have shallow depth to water are described as having a water table of less than 1.5 feet from the surface as determined by SSURGO.
h/ Areas identified to have poor drainage potential are ranked as "poor" or "very poor" as determined by SSURGO.
i/ Areas identified to have Stoney/Rocky Soils are soils that are determined by SSURGO. Include stone, rocky, or cobbles in the soil name.

Mountain Valley Pipeline, LLC
Mountain Valley Pipeline Project
Docket No. CP16-10-000

Responses to FERC Environmental Information Request #3
Dated June 28, 2016

ATTACHMENTS

Attachment DR3 Soils-1b

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
195.5	Giles	23F	Lehew and Wallen soils, very stony, 35 to 65 percent slopes	--	--	1.4	--	1.4	--	1.4	--	1.4
195.5	Giles	DeG	Dekalb channery loam, 55 to 70 percent slopes, very stony	--	--	0.1	--	0.1	--	0.1	--	0.1
195.6	Giles	23F	Lehew and Wallen soils, very stony, 35 to 65 percent slopes	--	--	0.2	--	0.2	--	0.2	--	0.2
195.6	Giles	27F	Lily-Bailegap complex, very stony, 35 to 65 percent slopes	--	--	1.3	--	--	--	1.3	--	1.3
195.7	Giles	27F	Lily-Bailegap complex, very stony, 35 to 65 percent slopes	--	--	1.5	--	--	--	1.5	--	1.5
195.8	Giles	27F	Lily-Bailegap complex, very stony, 35 to 65 percent slopes	--	--	1.6	--	--	--	1.6	--	1.6
195.9	Giles	27F	Lily-Bailegap complex, very stony, 35 to 65 percent slopes	--	--	1.5	--	--	--	1.5	--	1.5
196	Giles	27F	Lily-Bailegap complex, very stony, 35 to 65 percent slopes	--	--	1.5	--	--	--	1.5	--	1.5
196.1	Giles	27F	Lily-Bailegap complex, very stony, 35 to 65 percent slopes	--	--	1.5	--	--	--	1.5	--	1.5
196.2	Giles	27F	Lily-Bailegap complex, very stony, 35 to 65 percent slopes	--	--	1.5	--	--	--	1.5	--	1.5
196.3	Giles	27E	Lily-Bailegap complex, very stony, 15 to 35 percent slopes	--	--	1.1	--	--	--	1.1	--	1.1
196.3	Giles	27F	Lily-Bailegap complex, very stony, 35 to 65 percent slopes	--	--	0.4	--	--	--	0.4	--	0.4
196.4	Giles	27E	Lily-Bailegap complex, very stony, 15 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	1.5
196.5	Giles	27E	Lily-Bailegap complex, very stony, 15 to 35 percent slopes	--	--	1.3	--	--	--	1.3	--	1.3
196.5	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.2	--	--	--	0.2	--	0.2
196.6	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	1.5	--	--	--	1.5	--	1.5
196.7	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	1.5	--	--	--	1.5	--	1.5
196.8	Giles	30F	Nolichucky very stony sandy loam,	--	--	1.5	--	--	--	1.5	--	1.5

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
			30 to 65 percent slopes									
196.9	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	1.5	--	--	--	1.5	--	1.5
197	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	1.4	--	--	--	1.4	--	1.4
197.1	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	1.5	--	--	--	1.5	--	1.5
197.2	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	1.5	--	--	--	1.5	--	1.5
197.3	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	1.1	--	--	--	1.1	--	1.1
197.4	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.5	--	--	--	0.5	--	0.5
197.4	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.6	--	--	--	0.6	--	0.6
197.5	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	1.5	--	--	--	1.5	--	1.5
197.6	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	1.5	--	--	--	1.5	--	1.5
197.7	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	1.6	--	--	--	1.6	--	1.6
197.8	Giles	29C	Nolichucky loam, 7 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
197.8	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.7	--	--	--	0.7	--	0.7
197.9	Giles	29C	Nolichucky loam, 7 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
197.9	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	1.3	--	--	--	1.3	--	1.3
197.9	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.2	--	--	--	0.2	--	0.2
198	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	1.1	--	--	--	1.1	--	1.1
198	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.2	--	--	--	0.2	--	0.2

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
198.1	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.2	--	--	--	0.2	--	0.2
198.1	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	1.2	--	--	--	1.2	--	1.2
198.2	Giles	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	0.8	--	0.8
198.2	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.5	--	--	--	0.5	--	0.5
198.2	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.2	--	--	--	0.2	--	0.2
198.3	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.9	--	--	--	0.9	--	0.9
198.3	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.6	--	--	--	0.6	--	0.6
198.4	Giles	15D	Frederick very stony silt loam, 15 to 25 percent slopes	--	--	0.0	--	--	--	0.0	--	0.0
198.4	Giles	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	0.1	--	0.1
198.4	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.4	--	--	--	0.4	--	0.4
198.4	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	1.1	--	--	--	1.1	--	1.1
198.5	Giles	15D	Frederick very stony silt loam, 15 to 25 percent slopes	--	--	0.7	--	--	--	0.7	--	0.7
198.5	Giles	15E	Frederick very stony silt loam, 25 to 35 percent slopes	--	--	0.7	--	--	--	0.7	--	0.7
198.5	Giles	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	0.1	--	0.1
198.5	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.0	--	--	--	0.0	--	0.0
198.6	Giles	15D	Frederick very stony silt loam, 15 to 25 percent slopes	--	--	1.1	--	--	--	1.1	--	1.1
198.6	Giles	15E	Frederick very stony silt loam, 25 to 35 percent slopes	--	--	0.4	--	--	--	0.4	--	0.4
198.7	Giles	15D	Frederick very stony silt loam, 15 to 25 percent slopes	--	--	1.3	--	--	--	1.3	--	1.3

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
198.7	Giles	15E	Frederick very stony silt loam, 25 to 35 percent slopes	--	--	0.2	--	--	--	0.2	--	0.2
198.8	Giles	15D	Frederick very stony silt loam, 15 to 25 percent slopes	--	--	0.8	--	--	--	0.8	--	0.8
198.8	Giles	15E	Frederick very stony silt loam, 25 to 35 percent slopes	--	--	0.7	--	--	--	0.7	--	0.7
198.9	Giles	15D	Frederick very stony silt loam, 15 to 25 percent slopes	--	--	0.0	--	--	--	0.0	--	0.0
198.9	Giles	15E	Frederick very stony silt loam, 25 to 35 percent slopes	--	--	1.4	--	--	--	1.4	--	1.4
199	Giles	15E	Frederick very stony silt loam, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	1.5
199.1	Giles	15E	Frederick very stony silt loam, 25 to 35 percent slopes	--	--	1.4	--	--	--	1.4	--	1.4
199.2	Giles	15C	Frederick very stony silt loam, 7 to 15 percent slopes	--	--	--	--	--	--	1.1	--	1.1
199.2	Giles	15E	Frederick very stony silt loam, 25 to 35 percent slopes	--	--	0.4	--	--	--	0.4	--	0.4
199.3	Giles	9	Chavies variant, sandy loam	0.2	--	--	--	--	--	--	--	--
199.3	Giles	15E	Frederick very stony silt loam, 25 to 35 percent slopes	--	--	1.3	--	--	--	1.3	--	1.3
199.4	Giles	9	Chavies variant, sandy loam	1.1	--	--	--	--	--	--	--	--
199.5	Giles	9	Chavies variant, sandy loam	1.2	--	--	--	--	--	--	--	--
199.5	Giles	1B	Allegheny loam, 2 to 7 percent slopes	0.3	--	--	--	--	--	0.3	--	--
199.6	Giles	10B	Cotaco loam, 2 to 7 percent slopes	0.8	--	--	--	--	--	--	--	--
199.6	Giles	1B	Allegheny loam, 2 to 7 percent slopes	0.7	--	--	--	--	--	0.7	--	--
199.7	Giles	10B	Cotaco loam, 2 to 7 percent slopes	0.9	--	--	--	--	--	--	--	--
199.7	Giles	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	0.4	--	0.4
199.7	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	0.2	--	--	--	0.2	--	--
199.8	Giles	30C	Nolichucky very stony sandy loam,	--	--	--	--	--	--	0.0	--	0.0

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
			7 to 15 percent slopes									
199.8	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	1.5	--	--	--	1.5	--	--
199.9	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	1.5	--	--	--	1.5	--	--
200	Giles	4D	Braddock sandy loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
200	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	0.5	--	--	--	0.5	--	--
200.1	Giles	4E	Braddock sandy loam, 25 to 35 percent slopes	--	--	1.1	--	--	--	1.1	--	--
200.1	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	0.3	--	--	--	0.3	--	--
200.2	Giles	4D	Braddock sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
200.2	Giles	4E	Braddock sandy loam, 25 to 35 percent slopes	--	--	1.3	--	--	--	1.3	--	--
200.3	Giles	4D	Braddock sandy loam, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
200.4	Giles	4C	Braddock sandy loam, 7 to 15 percent slopes	0.9	--	--	--	--	--	0.9	--	--
200.4	Giles	4D	Braddock sandy loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
200.5	Giles	4C	Braddock sandy loam, 7 to 15 percent slopes	1.2	--	--	--	--	--	1.2	--	--
200.5	Giles	4D	Braddock sandy loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
200.6	Giles	4C	Braddock sandy loam, 7 to 15 percent slopes	1.5	--	--	--	--	--	1.5	--	--
200.7	Giles	4C	Braddock sandy loam, 7 to 15 percent slopes	0.2	--	--	--	--	--	0.2	--	--
200.7	Giles	4E	Braddock sandy loam, 25 to 35 percent slopes	--	--	0.7	--	--	--	0.7	--	--
200.7	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	0.7	--	--	--	0.7	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
200.8	Giles	5D	Carbo silty clay loam, very rocky, 15 to 45 percent slopes	--	--	0.1	--	--	--	0.1	--	0.1
200.8	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	1.5	--	--	--	1.5	--	--
200.9	Giles	5D	Carbo silty clay loam, very rocky, 15 to 45 percent slopes	--	--	1.4	--	--	--	1.4	--	1.4
200.9	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	0.1	--	--	--	0.1	--	--
201	Giles	5D	Carbo silty clay loam, very rocky, 15 to 45 percent slopes	--	--	1.3	--	--	--	1.3	--	1.3
201	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	0.2	--	--	--	0.2	--	--
201.1	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	1.4	--	--	--	1.4	--	--
201.2	Giles	5D	Carbo silty clay loam, very rocky, 15 to 45 percent slopes	--	--	0.2	--	--	--	0.2	--	0.2
201.2	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	1.3	--	--	--	1.3	--	--
201.3	Giles	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	0.1	--	0.1
201.3	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.4	--	--	--	0.4	--	0.4
201.3	Giles	5C	Carbo silty clay loam, very rocky, 2 to 15 percent slopes	--	--	0.7	--	--	--	0.7	--	0.7
201.3	Giles	5D	Carbo silty clay loam, very rocky, 15 to 45 percent slopes	--	--	0.2	--	--	--	0.2	--	0.2
201.4	Giles	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	0.7	--	0.7
201.4	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.0	--	--	--	0.0	--	0.0
201.4	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	0.6	--	--	--	0.6	--	--
201.5	Giles	11D	Faywood silt loam, 10 to 30 percent slopes	--	--	0.4	--	--	--	0.4	--	--
201.5	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	1.1	--	--	--	1.1	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
201.6	Giles	11D	Faywood silt loam, 10 to 30 percent slopes	--	--	1.2	--	--	--	1.2	--	--
201.6	Giles	11F	Faywood silt loam, 30 to 65 percent slopes	--	--	0.3	--	--	--	0.3	--	--
201.7	Giles	11D	Faywood silt loam, 10 to 30 percent slopes	--	--	0.0	--	--	--	0.0	--	--
201.7	Giles	11F	Faywood silt loam, 30 to 65 percent slopes	--	--	1.3	--	--	--	1.3	--	--
201.8	Giles	11D	Faywood silt loam, 10 to 30 percent slopes	--	--	1.1	--	--	--	1.1	--	--
201.8	Giles	11F	Faywood silt loam, 30 to 65 percent slopes	--	--	0.4	--	--	--	0.4	--	--
201.9	Giles	11D	Faywood silt loam, 10 to 30 percent slopes	--	--	1.2	--	--	--	1.2	--	--
201.9	Giles	11F	Faywood silt loam, 30 to 65 percent slopes	--	--	0.2	--	--	--	0.2	--	--
201.9	Giles	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	0.0	--	0.0
202	Giles	11D	Faywood silt loam, 10 to 30 percent slopes	--	--	0.0	--	--	--	0.0	--	--
202	Giles	11F	Faywood silt loam, 30 to 65 percent slopes	--	--	0.0	--	--	--	0.0	--	--
202	Giles	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	0.8	--	0.8
202	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.1	--	--	--	0.1	--	0.1
202	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.7	--	--	--	0.7	--	0.7
202.1	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	1.3	--	--	--	1.3	--	1.3
202.1	Giles	31C	Poplimento silt loam, 7 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
202.2	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.1	--	--	--	0.1	--	0.1
202.2	Giles	31C	Poplimento silt loam, 7 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
202.3	Giles	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	1.2	--	1.2
202.3	Giles	31C	Poplimento silt loam, 7 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
202.4	Giles	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	0.8	--	0.8
202.4	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.3	--	--	--	0.3	--	0.3
202.4	Giles	31C	Poplimento silt loam, 7 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
202.5	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.3	--	--	--	0.3	--	0.3
202.5	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	1.1	--	--	--	1.1	--	1.1
202.6	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.7	--	--	--	0.7	--	0.7
202.6	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.7	--	--	--	0.7	--	0.7
202.7	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.7	--	--	--	0.7	--	0.7
202.7	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.8	--	--	--	0.8	--	0.8
202.8	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.1	--	--	--	0.1	--	0.1
202.8	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	1.3	--	--	--	1.3	--	1.3
202.9	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	1.0	--	--	--	1.0	--	1.0
202.9	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.6	--	--	--	0.6	--	0.6
203	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.7	--	--	--	0.7	--	0.7
203	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.6	--	--	--	0.6	--	0.6
203.1	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	1.5	--	--	--	1.5	--	1.5

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
203.2	Giles	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	1.0	--	1.0
203.2	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.6	--	--	--	0.6	--	0.6
203.3	Giles	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	1.3	--	1.3
203.4	Giles	11F	Faywood silt loam, 30 to 65 percent slopes	--	--	0.5	--	--	--	0.5	--	--
203.4	Giles	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	0.8	--	0.8
203.5	Giles	11F	Faywood silt loam, 30 to 65 percent slopes	--	--	1.6	--	--	--	1.6	--	--
203.6	Giles	11F	Faywood silt loam, 30 to 65 percent slopes	--	--	1.5	--	--	--	1.5	--	--
203.7	Giles	11F	Faywood silt loam, 30 to 65 percent slopes	--	--	0.7	--	--	--	0.7	--	--
203.7	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	0.8	--	--	--	0.8	--	--
203.8	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	1.5	--	--	--	1.5	--	--
203.9	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	1.5	--	--	--	1.5	--	--
204	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	1.3	--	--	--	1.3	--	--
204.1	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	1.5	--	--	--	1.5	--	--
204.2	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	1.4	--	--	--	1.4	--	--
204.3	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	1.3	--	--	--	1.3	--	--
204.4	Giles	15E	Frederick very stony silt loam, 25 to 35 percent slopes	--	--	0.9	--	--	--	0.9	--	0.9
204.4	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	0.6	--	--	--	0.6	--	--
204.5	Giles	15D	Frederick very stony silt loam, 15 to 25 percent slopes	--	--	0.3	--	--	--	0.3	--	0.3

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
204.5	Giles	15E	Frederick very stony silt loam, 25 to 35 percent slopes	--	--	1.2	--	--	--	1.2	--	1.2
204.6	Giles	15D	Frederick very stony silt loam, 15 to 25 percent slopes	--	--	0.9	--	--	--	0.9	--	0.9
204.6	Giles	15E	Frederick very stony silt loam, 25 to 35 percent slopes	--	--	0.6	--	--	--	0.6	--	0.6
204.7	Giles	15E	Frederick very stony silt loam, 25 to 35 percent slopes	--	--	0.5	--	--	--	0.5	--	0.5
204.7	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	1.1	--	--	--	1.1	--	1.1
204.8	Giles	15E	Frederick very stony silt loam, 25 to 35 percent slopes	--	--	0.1	--	--	--	0.1	--	0.1
204.8	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	1.2	--	--	--	1.2	--	1.2
204.9	Giles	15E	Frederick very stony silt loam, 25 to 35 percent slopes	--	--	0.5	--	--	--	0.5	--	0.5
204.9	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	1.0	--	--	--	1.0	--	1.0
205	Giles	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	0.1	--	0.1
205	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	1.4	--	--	--	1.4	--	1.4
205.1	Giles	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	1.5	--	1.5
205.1	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.0	--	--	--	0.0	--	0.0
205.1	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.0	--	--	--	0.0	--	0.0
205.2	Giles	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	0.8	--	0.8
205.2	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.8	--	--	--	0.8	--	0.8
205.3	Giles	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	0.7	--	0.7
205.3	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.1	--	--	--	0.1	--	0.1

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
205.3	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.7	--	--	--	0.7	--	0.7
205.4	Giles	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	0.2	--	0.2
205.4	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	1.3	--	--	--	1.3	--	1.3
205.5	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	1.5	--	--	--	1.5	--	1.5
205.5	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	0.1	--	--	--	0.1	--	--
205.6	Giles	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	0.7	--	0.7
205.6	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	0.6	--	--	--	0.6	--	--
205.7	Giles	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	0.2	--	0.2
205.7	Giles	5D	Carbo silty clay loam, very rocky, 15 to 45 percent slopes	--	--	1.3	--	--	--	1.3	--	1.3
205.8	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
205.8	Giles	5D	Carbo silty clay loam, very rocky, 15 to 45 percent slopes	--	--	0.8	--	--	--	0.8	--	0.8
205.9	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
205.9	Giles	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
206	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
206	Giles	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
206	Giles	29B	Nolichucky loam, 2 to 7 percent slopes	1.2	--	--	--	--	--	1.2	--	--
206.1	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
206.1	Giles	29B	Nolichucky loam, 2 to 7 percent slopes	0.6	--	--	--	--	--	0.6	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
206.2	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
206.2	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	1.2	--	--	--	1.2	--	--
206.3	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	1.4	--	--	--	1.4	--	--
206.4	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	1.5	--	--	--	1.5	--	--
206.5	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	1.3	--	--	--	1.3	--	--
206.6	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	1.3	--	--	--	1.3	--	--
206.7	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.9	--	--	--	0.9	--	0.9
206.7	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	0.3	--	--	--	0.3	--	--
206.8	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.7	--	--	--	0.7	--	0.7
206.8	Giles	33F	Sequoia silt loam, 30 to 65 percent slopes	--	--	0.8	--	--	--	0.8	--	--
206.9	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.1	--	--	--	0.1	--	0.1
206.9	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.0	--	--	--	0.0	--	0.0
206.9	Giles	33D	Sequoia silt loam, 10 to 30 percent slopes	--	--	1.2	--	--	--	1.2	--	--
206.9	Giles	33F	Sequoia silt loam, 30 to 65 percent slopes	--	--	0.2	--	--	--	0.2	--	--
207	Giles	11F	Faywood silt loam, 30 to 65 percent slopes	--	--	0.1	--	--	--	0.1	--	--
207	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.9	--	--	--	0.9	--	0.9
207	Giles	33D	Sequoia silt loam, 10 to 30 percent slopes	--	--	0.5	--	--	--	0.5	--	--
207.1	Giles	11F	Faywood silt loam, 30 to 65 percent slopes	--	--	0.0	--	--	--	0.0	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
207.1	Giles	33D	Sequoia silt loam, 10 to 30 percent slopes	--	--	1.4	--	--	--	1.4	--	--
207.1	Giles	33F	Sequoia silt loam, 30 to 65 percent slopes	--	--	0.1	--	--	--	0.1	--	--
207.2	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.1	--	--	--	0.1	--	0.1
207.2	Giles	33D	Sequoia silt loam, 10 to 30 percent slopes	--	--	0.0	--	--	--	0.0	--	--
207.2	Giles	33F	Sequoia silt loam, 30 to 65 percent slopes	--	--	1.4	--	--	--	1.4	--	--
207.3	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.2	--	--	--	0.2	--	0.2
207.3	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	1.0	--	--	--	1.0	--	1.0
207.3	Giles	33F	Sequoia silt loam, 30 to 65 percent slopes	--	--	0.1	--	--	--	0.1	--	--
207.4	Giles	11D	Faywood silt loam, 10 to 30 percent slopes	--	--	1.4	--	--	--	1.4	--	--
207.4	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.1	--	--	--	0.1	--	0.1
207.5	Giles	11D	Faywood silt loam, 10 to 30 percent slopes	--	--	0.2	--	--	--	0.2	--	--
207.5	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.7	--	--	--	0.7	--	0.7
207.5	Giles	33D	Sequoia silt loam, 10 to 30 percent slopes	--	--	0.3	--	--	--	0.3	--	--
207.5	Giles	5D	Carbo silty clay loam, very rocky, 15 to 45 percent slopes	--	--	0.3	--	--	--	0.3	--	0.3
207.6	Giles	5D	Carbo silty clay loam, very rocky, 15 to 45 percent slopes	--	--	1.5	--	--	--	1.5	--	1.5
207.7	Giles	16F	Frederick-Rock outcrop complex, 30 to 60 percent slopes	--	--	0.3	--	--	--	0.3	--	--
207.7	Giles	5D	Carbo silty clay loam, very rocky, 15 to 45 percent slopes	--	--	1.3	--	--	--	1.3	--	1.3
207.8	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	0.0	--	--	--	0.0	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
207.8	Giles	16F	Frederick-Rock outcrop complex, 30 to 60 percent slopes	--	--	1.6	--	--	--	1.6	--	--
207.9	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	1.3	--	--	--	1.3	--	--
208	Giles	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
208	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	0.4	--	--	--	0.4	--	--
208.1	Giles	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
208.1	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	0.4	--	--	--	0.4	--	--
208.2	Giles	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
208.2	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	1.4	--	--	--	1.4	--	--
208.3	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	1.4	--	--	--	1.4	--	--
208.3	Giles	29C	Nolichucky loam, 7 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
208.4	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	0.0	--	--	--	0.0	--	--
208.4	Giles	29C	Nolichucky loam, 7 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
208.4	Giles	31D	Poplimento silt loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
208.4	Giles	31E	Poplimento silt loam, 25 to 35 percent slopes	--	--	0.1	--	--	--	0.1	--	--
208.5	Giles	31D	Poplimento silt loam, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
208.5	Giles	31E	Poplimento silt loam, 25 to 35 percent slopes	--	--	0.7	--	--	--	0.7	--	--
208.6	Giles	31D	Poplimento silt loam, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
208.6	Giles	31E	Poplimento silt loam, 25 to 35 percent slopes	--	--	0.0	--	--	--	0.0	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
208.7	Giles	31D	Poplimento silt loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
208.7	Giles	31E	Poplimento silt loam, 25 to 35 percent slopes	--	--	1.2	--	--	--	1.2	--	--
208.8	Giles	31C	Poplimento silt loam, 7 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
208.8	Giles	31D	Poplimento silt loam, 15 to 25 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
208.8	Giles	31E	Poplimento silt loam, 25 to 35 percent slopes	--	--	0.3	--	--	--	0.3	--	--
208.9	Giles	31C	Poplimento silt loam, 7 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
208.9	Giles	31E	Poplimento silt loam, 25 to 35 percent slopes	--	--	1.1	--	--	--	1.1	--	--
208.9	Giles	35C	Timberville variant, loam, 7 to 15 percent slopes	--	--	0.0	--	--	--	--	--	--
209	Giles	31E	Poplimento silt loam, 25 to 35 percent slopes	--	--	0.2	--	--	--	0.2	--	--
209	Giles	35C	Timberville variant, loam, 7 to 15 percent slopes	--	--	0.7	--	--	--	--	--	--
209	Giles	5D	Carbo silty clay loam, very rocky, 15 to 45 percent slopes	--	--	0.5	--	--	--	0.5	--	0.5
209.1	Giles	31C	Poplimento silt loam, 7 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
209.1	Giles	31E	Poplimento silt loam, 25 to 35 percent slopes	--	--	1.3	--	--	--	1.3	--	--
209.1	Giles	5D	Carbo silty clay loam, very rocky, 15 to 45 percent slopes	--	--	0.0	--	--	--	0.0	--	0.0
209.2	Giles	31D	Poplimento silt loam, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
209.2	Giles	31E	Poplimento silt loam, 25 to 35 percent slopes	--	--	0.2	--	--	--	0.2	--	--
209.3	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	0.5	--	--	--	0.5	--	--
209.3	Giles	31C	Poplimento silt loam, 7 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
209.3	Giles	31D	Poplimento silt loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
209.4	Giles	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
209.4	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	1.3	--	--	--	1.3	--	--
209.5	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
209.5	Giles	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
209.5	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	0.5	--	--	--	0.5	--	--
209.6	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
209.6	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	1.4	--	--	--	1.4	--	--
209.7	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
209.7	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	0.5	--	--	--	0.5	--	--
209.8	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	1.0	--	--	--	1.0	--	--
209.8	Giles	5D	Carbo silty clay loam, very rocky, 15 to 45 percent slopes	--	--	0.5	--	--	--	0.5	--	0.5
209.9	Giles	7	Chagrin silt loam	0.8	--	--	--	--	0.8	0.8	--	--
209.9	Giles	4C	Braddock sandy loam, 7 to 15 percent slopes	0.1	--	--	--	--	--	0.1	--	--
209.9	Giles	5D	Carbo silty clay loam, very rocky, 15 to 45 percent slopes	--	--	0.4	--	--	--	0.4	--	0.4
210	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
210	Giles	4B	Braddock sandy loam, 2 to 7 percent slopes	0.1	--	--	--	--	--	0.1	--	--
210	Giles	4C	Braddock sandy loam, 7 to 15 percent slopes	1.2	--	--	--	--	--	1.2	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
210	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	0.1	--	--	--	0.1	--	--
210.1	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
210.1	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	0.7	--	--	--	0.7	--	--
210.2	Giles	17D	Gilpin silt loam, 15 to 30 percent slopes	--	--	0.5	--	--	--	0.5	--	--
210.2	Giles	5D	Carbo silty clay loam, very rocky, 15 to 45 percent slopes	--	--	0.1	--	--	--	0.1	--	0.1
210.2	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	0.9	--	--	--	0.9	--	--
210.3	Giles	17D	Gilpin silt loam, 15 to 30 percent slopes	--	--	0.5	--	--	--	0.5	--	--
210.3	Giles	17F	Gilpin silt loam, 30 to 65 percent slopes	--	--	0.0	--	--	--	0.0	--	--
210.3	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	1.0	--	--	--	1.0	--	--
210.4	Giles	17D	Gilpin silt loam, 15 to 30 percent slopes	--	--	0.6	--	--	--	0.6	--	--
210.4	Giles	17F	Gilpin silt loam, 30 to 65 percent slopes	--	--	0.9	--	--	--	0.9	--	--
210.5	Giles	17D	Gilpin silt loam, 15 to 30 percent slopes	--	--	0.8	--	--	--	0.8	--	--
210.5	Giles	17F	Gilpin silt loam, 30 to 65 percent slopes	--	--	0.6	--	--	--	0.6	--	--
210.5	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	0.2	--	--	--	0.2	--	--
210.6	Giles	17D	Gilpin silt loam, 15 to 30 percent slopes	--	--	0.6	--	--	--	0.6	--	--
210.6	Giles	17F	Gilpin silt loam, 30 to 65 percent slopes	--	--	0.8	--	--	--	0.8	--	--
210.7	Giles	17D	Gilpin silt loam, 15 to 30 percent slopes	--	--	0.5	--	--	--	0.5	--	--
210.7	Giles	17F	Gilpin silt loam, 30 to 65 percent slopes	--	--	0.6	--	--	--	0.6	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
210.7	Giles	33D	Sequoia silt loam, 10 to 30 percent slopes	--	--	0.4	--	--	--	0.4	--	--
210.8	Giles	17F	Gilpin silt loam, 30 to 65 percent slopes	--	--	0.0	--	--	--	0.0	--	--
210.8	Giles	33D	Sequoia silt loam, 10 to 30 percent slopes	--	--	1.5	--	--	--	1.5	--	--
210.8	Giles	35B	Timberville variant loam, 2 to 7 percent slopes	0.0	--	--	--	--	0.0	--	--	--
210.9	Giles	17F	Gilpin silt loam, 30 to 65 percent slopes	--	--	0.0	--	--	--	0.0	--	--
210.9	Giles	33D	Sequoia silt loam, 10 to 30 percent slopes	--	--	1.6	--	--	--	1.6	--	--
210.9	Giles	35B	Timberville variant loam, 2 to 7 percent slopes	0.0	--	--	--	--	0.0	--	--	--
211	Giles	17F	Gilpin silt loam, 30 to 65 percent slopes	--	--	0.2	--	--	--	0.2	--	--
211	Giles	33D	Sequoia silt loam, 10 to 30 percent slopes	--	--	1.2	--	--	--	1.2	--	--
211.1	Giles	17F	Gilpin silt loam, 30 to 65 percent slopes	--	--	0.8	--	--	--	0.8	--	--
211.1	Giles	33D	Sequoia silt loam, 10 to 30 percent slopes	--	--	0.7	--	--	--	0.7	--	--
211.2	Giles	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
211.2	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	0.4	--	--	--	0.4	--	--
211.2	Giles	17F	Gilpin silt loam, 30 to 65 percent slopes	--	--	0.9	--	--	--	0.9	--	--
211.3	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
211.3	Giles	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
211.4	Giles	13C	Frederick silt loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
211.4	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
211.4	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	0.5	--	--	--	0.5	--	--
211.5	Giles	13D	Frederick silt loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
211.5	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	0.9	--	--	--	0.9	--	--
211.6	Giles	7	Chagrin silt loam	0.2	--	--	--	--	0.2	0.2	--	--
211.6	Giles	13D	Frederick silt loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
211.6	Giles	13E	Frederick silt loam, 25 to 35 percent slopes	--	--	0.7	--	--	--	0.7	--	--
211.7	Giles	7	Chagrin silt loam	0.1	--	--	--	--	0.1	0.1	--	--
211.7	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	1.2	--	--	--	1.2	--	--
211.8	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
211.8	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	1.3	--	--	--	1.3	--	--
211.9	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
212	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
212	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	0.0	--	--	--	0.0	--	--
212.1	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
212.1	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	0.0	--	--	--	0.0	--	--
212.2	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
212.2	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	0.5	--	--	--	0.5	--	--
212.3	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
212.4	Giles	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
212.4	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	1.0	--	--	--	1.0	--	--
212.5	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
212.5	Giles	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
212.6	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
212.6	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	0.2	--	--	--	0.2	--	--
212.7	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
212.8	Giles	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
212.8	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	0.9	--	--	--	0.9	--	--
212.9	Giles	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	1.6	--	1.6	--	--	--	1.6	--	--
212.9	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	0.1	--	--	--	0.1	--	--
213	Giles	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
213	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	1.3	--	--	--	1.3	--	--
213.1	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
213.1	Giles	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
213.1	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	0.8	--	--	--	0.8	--	--
213.2	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
213.2	Giles	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
213.3	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
213.3	Giles	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
213.4	Giles	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
213.4	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	0.6	--	--	--	0.6	--	--
213.5	Giles	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
213.5	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	1.4	--	--	--	1.4	--	--
213.6	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
213.6	Giles	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
213.6	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	0.8	--	--	--	0.8	--	--
213.7	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
213.8	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
213.8	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
213.9	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
213.9	Giles	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	0.1	--	--	--	0.1	--	--
213.9	Giles	29C	Nolichucky loam, 7 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
214	Giles	29C	Nolichucky loam, 7 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
214	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.1	--	--	--	0.1	--	0.1
214.1	Giles	29C	Nolichucky loam, 7 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
214.1	Giles	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	0.7	--	0.7
214.1	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.8	--	--	--	0.8	--	0.8
214.2	Giles	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
214.2	Giles	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	0.0	--	0.0
214.2	Giles	4C	Braddock sandy loam, 7 to 15 percent slopes	0.3	--	--	--	--	--	0.3	--	--
214.2	Giles	5D	Carbo silty clay loam, very rocky, 15 to 45 percent slopes	--	--	1.1	--	--	--	1.1	--	1.1
214.3	Giles	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
214.3	Giles	4C	Braddock sandy loam, 7 to 15 percent slopes	0.9	--	--	--	--	--	0.9	--	--
214.4	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
214.4	Giles	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
214.4	Giles	4C	Braddock sandy loam, 7 to 15 percent slopes	0.4	--	--	--	--	--	0.4	--	--
214.5	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
214.5	Giles	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
214.5	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.5	--	--	--	0.5	--	0.5
214.6	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
214.6	Giles	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
214.7	Giles	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
214.7	Giles	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
214.7	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	0.0	--	--	--	0.0	--	--
214.8	Giles	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
214.8	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	1.5	--	--	--	1.5	--	--
214.9	Giles	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
214.9	Giles	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	0.4	--	0.4
214.9	Giles	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	1.1	--	--	--	1.1	--	--
215	Giles	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	0.5	--	0.5
215	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	1.0	--	--	--	1.0	--	1.0
215.1	Giles	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	0.5	--	0.5
215.1	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.8	--	--	--	0.8	--	0.8
215.1	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.2	--	--	--	0.2	--	0.2
215.2	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.6	--	--	--	0.6	--	0.6
215.2	Giles	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.3	--	--	--	0.3	--	0.3
215.2	Giles	31C	Poplimento silt loam, 7 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
215.3	Giles	18D	Gilpin very stony silt loam, 10 to 30 percent slopes	--	--	0.1	--	--	--	0.1	--	0.1
215.3	Giles	18F	Gilpin very stony silt loam, 30 to 65 percent slopes	--	--	0.6	--	--	--	0.6	--	0.6
215.3	Giles	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.8	--	--	--	0.8	--	0.8
215.4	Giles	18D	Gilpin very stony silt loam, 10 to 30 percent slopes	--	--	1.1	--	--	--	1.1	--	1.1

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
215.4	Giles	18F	Gilpin very stony silt loam, 30 to 65 percent slopes	--	--	0.4	--	--	--	0.4	--	0.4
215.5	Craig	18D	Gilpin very stony silt loam, 10 to 30 percent slopes	--	--	0.7	--	--	--	0.7	--	0.7
215.5	Craig	18F	Gilpin very stony silt loam, 30 to 65 percent slopes	--	--	0.8	--	--	--	0.8	--	0.8
215.6	Craig	18F	Gilpin very stony silt loam, 30 to 65 percent slopes	--	--	0.4	--	--	--	0.4	--	0.4
215.6	Craig	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.0	--	--	--	0.0	--	0.0
215.6	Craig	35C	Timberville variant, loam, 7 to 15 percent slopes	--	--	1.2	--	--	--	--	--	--
215.7	Craig	19D	Frederick silt loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
215.7	Craig	27E	Oriskany gravelly fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	0.4	--	0.4
215.7	Craig	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.1	--	--	--	0.1	--	0.1
215.7	Craig	35C	Timberville variant, loam, 7 to 15 percent slopes	--	--	0.3	--	--	--	--	--	--
215.8	Craig	19C	Frederick silt loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
215.8	Craig	19D	Frederick silt loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
215.8	Craig	27E	Oriskany gravelly fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	1.2	--	1.2
215.9	Craig	19C	Frederick silt loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
215.9	Craig	27E	Oriskany gravelly fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	1.2	--	1.2
215.9	Craig	36C	Tumbling loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
216	Craig	19D	Frederick silt loam, 15 to 25 percent	0.1	--	0.1	--	--	--	0.1	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
			slopes									
216	Craig	27E	Oriskany gravelly fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	1.4	--	1.4
216.1	Craig	19C	Frederick silt loam, 8 to 15 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
216.1	Craig	19D	Frederick silt loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
216.2	Craig	19C	Frederick silt loam, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
216.2	Craig	19D	Frederick silt loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
216.2	Craig	27E	Oriskany gravelly fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	0.3	--	0.3
216.3	Craig	19C	Frederick silt loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
216.3	Craig	19D	Frederick silt loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
216.3	Craig	27E	Oriskany gravelly fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	0.9	--	0.9
216.4	Craig	19C	Frederick silt loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
216.4	Craig	19D	Frederick silt loam, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
216.5	Craig	19D	Frederick silt loam, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
216.6	Craig	19D	Frederick silt loam, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
216.6	Craig	27E	Oriskany gravelly fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	0.3	--	0.3
216.7	Craig	27E	Oriskany gravelly fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	0.8	--	0.8

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
216.7	Craig	6E	Berks-Culleoka complex, 25 to 35 percent slopes	--	--	0.8	--	--	--	0.8	--	--
216.8	Craig	6E	Berks-Culleoka complex, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
216.9	Craig	6E	Berks-Culleoka complex, 25 to 35 percent slopes	--	--	1.5	--	--	--	1.5	--	--
217	Craig	6E	Berks-Culleoka complex, 25 to 35 percent slopes	--	--	0.8	--	--	--	0.8	--	--
217	Craig	6G	Berks-Culleoka complex, 35 to 70 percent slopes	--	--	0.7	--	--	--	0.7	--	--
217.1	Craig	10G	Calvin-Rough complex, 35 to 70 percent slopes, very stony	--	--	1.0	--	1.0	--	1.0	--	1.0
217.1	Craig	6G	Berks-Culleoka complex, 35 to 70 percent slopes	--	--	0.5	--	--	--	0.5	--	--
217.2	Montgomery	10G	Calvin-Rough complex, 35 to 70 percent slopes, very stony	--	--	0.4	--	0.4	--	0.4	--	0.4
217.2	Montgomery	24D	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	0.0	--	--	--	0.0	--	0.0
217.2	Montgomery	4E	Berks-Rock outcrop complex, 25 to 70 percent slopes	--	--	1.1	--	--	--	1.1	--	--
217.3	Montgomery	24D	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	1.5	--	--	--	1.5	--	1.5
217.3	Montgomery	4E	Berks-Rock outcrop complex, 25 to 70 percent slopes	--	--	0.0	--	--	--	0.0	--	--
217.4	Montgomery	24D	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	1.5	--	--	--	1.5	--	1.5
217.5	Montgomery	24D	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	1.5	--	--	--	1.5	--	1.5
217.6	Montgomery	24D	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	1.5	--	--	--	1.5	--	1.5
217.7	Montgomery	24D	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	1.5	--	--	--	1.5	--	1.5
217.8	Montgomery	23C	Jefferson very stony soils, 7 to 15 percent slopes	0.0	--	--	--	--	--	0.0	--	0.0
217.8	Montgomery	24D	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	1.5	--	--	--	1.5	--	1.5

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
217.9	Montgomery	23C	Jefferson very stony soils, 7 to 15 percent slopes	1.5	--	--	--	--	--	1.5	--	1.5
217.9	Montgomery	24D	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	0.0	--	--	--	0.0	--	0.0
218	Montgomery	23C	Jefferson very stony soils, 7 to 15 percent slopes	0.3	--	--	--	--	--	0.3	--	0.3
218	Montgomery	24D	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	1.2	--	--	--	1.2	--	1.2
218.1	Montgomery	10	Craigsville soils	--	0.5	--	--	--	0.5	0.5	--	--
218.1	Montgomery	24D	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	1.0	--	--	--	1.0	--	1.0
218.2	Montgomery	10	Craigsville soils	--	1.3	--	--	--	1.3	1.3	--	--
218.2	Montgomery	24D	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	0.0	--	--	--	0.0	--	0.0
218.2	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.1	--	0.1	--	0.1	--	--
218.3	Montgomery	10	Craigsville soils	--	0.3	--	--	--	0.3	0.3	--	--
218.3	Montgomery	24D	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	1.0	--	--	--	1.0	--	1.0
218.3	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.2	--	0.2	--	0.2	--	--
218.4	Montgomery	10	Craigsville soils	--	0.1	--	--	--	0.1	0.1	--	--
218.4	Montgomery	24D	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	0.3	--	--	--	0.3	--	0.3
218.4	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.1	--	1.1	--	1.1	--	--
218.5	Montgomery	10	Craigsville soils	--	0.8	--	--	--	0.8	0.8	--	--
218.5	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.7	--	0.7	--	0.7	--	--
218.6	Montgomery	10	Craigsville soils	--	1.6	--	--	--	1.6	1.6	--	--
218.6	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.1	--	0.1	--	0.1	--	--
218.7	Montgomery	5D	Berks-Weikert complex, 15 to 25 percent slopes	--	--	0.4	--	0.4	--	0.4	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
218.7	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.0	--	1.0	--	1.0	--	--
218.8	Montgomery	5D	Berks-Weikert complex, 15 to 25 percent slopes	--	--	0.3	--	0.3	--	0.3	--	--
218.8	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.3	--	1.3	--	1.3	--	--
218.9	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
219	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
219.1	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
219.2	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
219.3	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.1	--	1.1	--	1.1	--	--
219.3	Montgomery	7D	Berks and Weikert very stony soils, 15 to 35 percent slopes	--	--	0.4	--	0.4	--	0.4	--	0.4
219.4	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.0	--	0.0	--	0.0	--	--
219.4	Montgomery	7D	Berks and Weikert very stony soils, 15 to 35 percent slopes	--	--	1.4	--	1.4	--	1.4	--	1.4
219.5	Montgomery	7D	Berks and Weikert very stony soils, 15 to 35 percent slopes	--	--	1.6	--	1.6	--	1.6	--	1.6
219.6	Montgomery	7D	Berks and Weikert very stony soils, 15 to 35 percent slopes	--	--	1.5	--	1.5	--	1.5	--	1.5
219.7	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.1	--	0.1	--	0.1	--	--
219.7	Montgomery	7D	Berks and Weikert very stony soils, 15 to 35 percent slopes	--	--	1.4	--	1.4	--	1.4	--	1.4
219.8	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.2	--	1.2	--	1.2	--	--
219.8	Montgomery	7D	Berks and Weikert very stony soils, 15 to 35 percent slopes	--	--	0.3	--	0.3	--	0.3	--	0.3
219.9	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
220	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.4	--	1.4	--	1.4	--	--
220.1	Montgomery	1C	Berks-Clymer complex, 7 to 15 percent slopes	--	--	--	--	0.8	--	0.8	--	--
220.1	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.7	--	0.7	--	0.7	--	--
220.2	Montgomery	1C	Berks-Clymer complex, 7 to 15 percent slopes	--	--	--	--	1.1	--	1.1	--	--
220.2	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.4	--	0.4	--	0.4	--	--
220.3	Montgomery	1C	Berks-Clymer complex, 7 to 15 percent slopes	--	--	--	--	0.2	--	0.2	--	--
220.3	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.3	--	1.3	--	1.3	--	--
220.4	Montgomery	1C	Berks-Clymer complex, 7 to 15 percent slopes	--	--	--	--	1.4	--	1.4	--	--
220.4	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.0	--	0.0	--	0.0	--	--
220.5	Montgomery	1C	Berks-Clymer complex, 7 to 15 percent slopes	--	--	--	--	1.5	--	1.5	--	--
220.6	Montgomery	1C	Berks-Clymer complex, 7 to 15 percent slopes	--	--	--	--	0.6	--	0.6	--	--
220.6	Montgomery	5D	Berks-Weikert complex, 15 to 25 percent slopes	--	--	0.8	--	0.8	--	0.8	--	--
220.6	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.1	--	0.1	--	0.1	--	--
220.7	Montgomery	5D	Berks-Weikert complex, 15 to 25 percent slopes	--	--	0.5	--	0.5	--	0.5	--	--
220.7	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.1	--	1.1	--	1.1	--	--
220.8	Montgomery	1C	Berks-Clymer complex, 7 to 15 percent slopes	--	--	--	--	0.0	--	0.0	--	--
220.8	Montgomery	5D	Berks-Weikert complex, 15 to 25 percent slopes	--	--	0.6	--	0.6	--	0.6	--	--
220.8	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.9	--	0.9	--	0.9	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
220.9	Montgomery	1C	Berks-Clymer complex, 7 to 15 percent slopes	--	--	--	--	0.9	--	0.9	--	--
220.9	Montgomery	5D	Berks-Weikert complex, 15 to 25 percent slopes	--	--	0.6	--	0.6	--	0.6	--	--
220.9	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.0	--	0.0	--	0.0	--	--
221	Montgomery	16C	Groseclose and Poplimento soils, 7 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
221	Montgomery	3D	Berks-Lowell-Rayne complex, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
221	Montgomery	3E	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	--	--	0.8	--	--	--	0.8	--	--
221	Montgomery	5D	Berks-Weikert complex, 15 to 25 percent slopes	--	--	0.1	--	0.1	--	0.1	--	--
221.1	Montgomery	16C	Groseclose and Poplimento soils, 7 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
221.1	Montgomery	3D	Berks-Lowell-Rayne complex, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
221.1	Montgomery	8D	Caneyville-Opequon-Rock outcrop complex, 7 to 25 percent slopes	--	--	0.8	--	--	--	0.8	--	--
221.2	Montgomery	16C	Groseclose and Poplimento soils, 7 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
221.2	Montgomery	8D	Caneyville-Opequon-Rock outcrop complex, 7 to 25 percent slopes	--	--	0.9	--	--	--	0.9	--	--
221.3	Montgomery	16C	Groseclose and Poplimento soils, 7 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
221.3	Montgomery	8D	Caneyville-Opequon-Rock outcrop complex, 7 to 25 percent slopes	--	--	1.0	--	--	--	1.0	--	--
221.4	Montgomery	11B	Duffield-Ernest complex, 2 to 7 percent slopes	0.9	0.9	--	--	--	0.9	--	--	--
221.4	Montgomery	8D	Caneyville-Opequon-Rock outcrop complex, 7 to 25 percent slopes	--	--	0.6	--	--	--	0.6	--	--
221.5	Montgomery	11B	Duffield-Ernest complex, 2 to 7 percent slopes	0.6	0.6	--	--	--	0.6	--	--	--
221.5	Montgomery	16D	Groseclose and Poplimento soils, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
221.6	Montgomery	13C	Frederick and Vertrees gravelly silt loams, 7 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
221.6	Montgomery	16D	Groseclose and Poplimento soils, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
221.7	Montgomery	11C	Duffield-Ernest complex, 7 to 15 percent slopes	0.6	0.6	0.6	--	--	0.6	--	--	--
221.7	Montgomery	13C	Frederick and Vertrees gravelly silt loams, 7 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
221.7	Montgomery	13D	Frederick and Vertrees gravelly silt loams, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
221.8	Montgomery	11B	Duffield-Ernest complex, 2 to 7 percent slopes	0.5	0.5	--	--	--	0.5	--	--	--
221.8	Montgomery	11C	Duffield-Ernest complex, 7 to 15 percent slopes	0.1	0.1	0.1	--	--	0.1	--	--	--
221.8	Montgomery	13C	Frederick and Vertrees gravelly silt loams, 7 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
221.8	Montgomery	13D	Frederick and Vertrees gravelly silt loams, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
221.9	Montgomery	11B	Duffield-Ernest complex, 2 to 7 percent slopes	0.3	0.3	--	--	--	0.3	--	--	--
221.9	Montgomery	13B	Frederick and Vertrees gravelly silt loams, 2 to 7 percent slopes	0.3	--	--	--	--	--	0.3	--	--
221.9	Montgomery	13C	Frederick and Vertrees gravelly silt loams, 7 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
221.9	Montgomery	13D	Frederick and Vertrees gravelly silt loams, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
221.9	Montgomery	16C	Groseclose and Poplimento soils, 7 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
222	Montgomery	11B	Duffield-Ernest complex, 2 to 7 percent slopes	0.0	0.0	--	--	--	0.0	--	--	--
222	Montgomery	12B	Frederick and Vertrees silt loams, 2 to 7 percent slopes	0.8	--	--	--	--	--	0.8	--	--
222	Montgomery	13C	Frederick and Vertrees gravelly silt loams, 7 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
222	Montgomery	13D	Frederick and Vertrees gravelly silt loams, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
222	Montgomery	16B	Groseclose and Poplimento soils, 2 to 7 percent slopes	0.0	--	--	--	--	--	0.0	--	--
222	Montgomery	16C	Groseclose and Poplimento soils, 7 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
222.1	Montgomery	11B	Duffield-Ernest complex, 2 to 7 percent slopes	0.4	0.4	--	--	--	0.4	--	--	--
222.1	Montgomery	13C	Frederick and Vertrees gravelly silt loams, 7 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
222.1	Montgomery	13D	Frederick and Vertrees gravelly silt loams, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
222.1	Montgomery	16C	Groseclose and Poplimento soils, 7 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
222.1	Montgomery	16E	Groseclose and Poplimento soils, 25 to 60 percent slopes	--	--	0.2	--	--	--	0.2	--	--
222.2	Montgomery	16C	Groseclose and Poplimento soils, 7 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
222.2	Montgomery	16E	Groseclose and Poplimento soils, 25 to 60 percent slopes	--	--	0.5	--	--	--	0.5	--	--
222.3	Montgomery	16C	Groseclose and Poplimento soils, 7 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
222.3	Montgomery	16E	Groseclose and Poplimento soils, 25 to 60 percent slopes	--	--	1.5	--	--	--	1.5	--	--
222.4	Montgomery	16B	Groseclose and Poplimento soils, 2 to 7 percent slopes	0.2	--	--	--	--	--	0.2	--	--
222.4	Montgomery	16C	Groseclose and Poplimento soils, 7 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
222.4	Montgomery	16E	Groseclose and Poplimento soils, 25 to 60 percent slopes	--	--	1.2	--	--	--	1.2	--	--
222.5	Montgomery	16E	Groseclose and Poplimento soils, 25 to 60 percent slopes	--	--	1.5	--	--	--	1.5	--	--
222.6	Montgomery	11B	Duffield-Ernest complex, 2 to 7 percent slopes	0.0	0.0	--	--	--	0.0	--	--	--
222.6	Montgomery	13D	Frederick and Vertrees gravelly silt loams, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
222.6	Montgomery	16E	Groseclose and Poplimento soils, 25 to 60 percent slopes	--	--	0.5	--	--	--	0.5	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
222.7	Montgomery	11B	Duffield-Ernest complex, 2 to 7 percent slopes	0.0	0.0	--	--	--	0.0	--	--	--
222.7	Montgomery	13C	Frederick and Vertrees gravelly silt loams, 7 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
222.7	Montgomery	13D	Frederick and Vertrees gravelly silt loams, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
222.8	Montgomery	11B	Duffield-Ernest complex, 2 to 7 percent slopes	1.0	1.0	--	--	--	1.0	--	--	--
222.8	Montgomery	12B	Frederick and Vertrees silt loams, 2 to 7 percent slopes	0.0	--	--	--	--	--	0.0	--	--
222.8	Montgomery	13D	Frederick and Vertrees gravelly silt loams, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
222.9	Montgomery	11B	Duffield-Ernest complex, 2 to 7 percent slopes	1.0	1.0	--	--	--	1.0	--	--	--
222.9	Montgomery	12B	Frederick and Vertrees silt loams, 2 to 7 percent slopes	0.0	--	--	--	--	--	0.0	--	--
222.9	Montgomery	13D	Frederick and Vertrees gravelly silt loams, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
222.9	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.3	--	--	--	0.3	--	--
223	Montgomery	11C	Duffield-Ernest complex, 7 to 15 percent slopes	0.3	0.3	0.3	--	--	0.3	--	--	--
223	Montgomery	12C	Frederick and Vertrees silt loams, 7 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
223	Montgomery	8D	Caneyville-Opequon-Rock outcrop complex, 7 to 25 percent slopes	--	--	1.0	--	--	--	1.0	--	--
223	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.1	--	--	--	0.1	--	--
223.1	Montgomery	11C	Duffield-Ernest complex, 7 to 15 percent slopes	0.1	0.1	0.1	--	--	0.1	--	--	--
223.1	Montgomery	12C	Frederick and Vertrees silt loams, 7 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
223.1	Montgomery	13C	Frederick and Vertrees gravelly silt loams, 7 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
223.1	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.9	--	--	--	0.9	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
223.2	Montgomery	13C	Frederick and Vertrees gravelly silt loams, 7 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
223.2	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.1	--	--	--	0.1	--	--
223.3	Montgomery	13C	Frederick and Vertrees gravelly silt loams, 7 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
223.3	Montgomery	8D	Caneyville-Opequon-Rock outcrop complex, 7 to 25 percent slopes	--	--	1.0	--	--	--	1.0	--	--
223.3	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.0	--	--	--	0.0	--	--
223.4	Montgomery	8D	Caneyville-Opequon-Rock outcrop complex, 7 to 25 percent slopes	--	--	0.8	--	--	--	0.8	--	--
223.4	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.6	--	--	--	0.6	--	--
223.5	Montgomery	8D	Caneyville-Opequon-Rock outcrop complex, 7 to 25 percent slopes	--	--	1.6	--	--	--	1.6	--	--
223.5	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.0	--	--	--	0.0	--	--
223.6	Montgomery	8D	Caneyville-Opequon-Rock outcrop complex, 7 to 25 percent slopes	--	--	1.0	--	--	--	1.0	--	--
223.6	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.6	--	--	--	0.6	--	--
223.7	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	1.5	--	--	--	1.5	--	--
223.8	Montgomery	11C	Duffield-Ernest complex, 7 to 15 percent slopes	0.3	0.3	0.3	--	--	0.3	--	--	--
223.8	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	1.2	--	--	--	1.2	--	--
223.9	Montgomery	33	Weaver soils	0.7	0.7	--	--	--	0.7	--	--	--
223.9	Montgomery	11B	Duffield-Ernest complex, 2 to 7 percent slopes	0.3	0.3	--	--	--	0.3	--	--	--
223.9	Montgomery	11C	Duffield-Ernest complex, 7 to 15 percent slopes	0.1	0.1	0.1	--	--	0.1	--	--	--
224	Montgomery	11B	Duffield-Ernest complex, 2 to 7 percent slopes	0.3	0.3	--	--	--	0.3	--	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
224	Montgomery	11C	Duffield-Ernest complex, 7 to 15 percent slopes	0.7	0.7	0.7	--	--	0.7	--	--	--
224	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.5	--	--	--	0.5	--	--
224.1	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	1.5	--	--	--	1.5	--	--
224.2	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	1.5	--	--	--	1.5	--	--
224.3	Montgomery	13C	Frederick and Vertrees gravelly silt loams, 7 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
224.3	Montgomery	8D	Caneyville-Opequon-Rock outcrop complex, 7 to 25 percent slopes	--	--	1.3	--	--	--	1.3	--	--
224.3	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.1	--	--	--	0.1	--	--
224.4	Montgomery	13C	Frederick and Vertrees gravelly silt loams, 7 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
224.4	Montgomery	16E	Groseclose and Poplimento soils, 25 to 60 percent slopes	--	--	0.0	--	--	--	0.0	--	--
224.5	Montgomery	13D	Frederick and Vertrees gravelly silt loams, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
224.5	Montgomery	16E	Groseclose and Poplimento soils, 25 to 60 percent slopes	--	--	1.0	--	--	--	1.0	--	--
224.5	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.1	--	--	--	0.1	--	--
224.6	Montgomery	13D	Frederick and Vertrees gravelly silt loams, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
224.6	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.6	--	--	--	0.6	--	--
224.7	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	1.5	--	--	--	1.5	--	--
224.8	Montgomery	8D	Caneyville-Opequon-Rock outcrop complex, 7 to 25 percent slopes	--	--	0.2	--	--	--	0.2	--	--
224.8	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	1.3	--	--	--	1.3	--	--
224.9	Montgomery	8D	Caneyville-Opequon-Rock outcrop complex, 7 to 25 percent slopes	--	--	1.2	--	--	--	1.2	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
224.9	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.4	--	--	--	0.4	--	--
225	Montgomery	34E	Wurno-Caneyville complex, 25 to 45 percent slopes	--	--	0.5	--	--	--	0.5	--	--
225	Montgomery	8D	Caneyville-Opequon-Rock outcrop complex, 7 to 25 percent slopes	--	--	0.2	--	--	--	0.2	--	--
225	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.5	--	--	--	0.5	--	--
225	Montgomery	9C	Carbo and Chilhowie soils, 7 to 15 percent slopes	--	--	0.0	--	--	--	0.0	--	--
225.1	Montgomery	34E	Wurno-Caneyville complex, 25 to 45 percent slopes	--	--	0.2	--	--	--	0.2	--	--
225.1	Montgomery	9C	Carbo and Chilhowie soils, 7 to 15 percent slopes	--	--	0.7	--	--	--	0.7	--	--
225.1	Montgomery	9D	Carbo and Chilhowie soils, 15 to 25 percent slopes	--	--	0.6	--	--	--	0.6	--	--
225.2	Montgomery	33	Weaver soils	1.0	1.0	--	--	--	1.0	--	--	--
225.2	Montgomery	9D	Carbo and Chilhowie soils, 15 to 25 percent slopes	--	--	0.4	--	--	--	0.4	--	--
225.3	Montgomery	25	McGary and Purdy soils	0.2	0.2	--	--	--	--	0.2	0.2	--
225.3	Montgomery	33	Weaver soils	0.9	0.9	--	--	--	0.9	--	--	--
225.3	Montgomery	19B	Guernsey silt loam, 2 to 7 percent slopes	0.4	--	--	--	--	--	--	--	--
225.4	Montgomery	25	McGary and Purdy soils	0.1	0.1	--	--	--	--	0.1	0.1	--
225.4	Montgomery	19B	Guernsey silt loam, 2 to 7 percent slopes	1.4	--	--	--	--	--	--	--	--
225.5	Montgomery	25	McGary and Purdy soils	0.6	0.6	--	--	--	--	0.6	0.6	--
225.5	Montgomery	19B	Guernsey silt loam, 2 to 7 percent slopes	0.9	--	--	--	--	--	--	--	--
225.6	Montgomery	25	McGary and Purdy soils	1.0	1.0	--	--	--	--	1.0	1.0	--
225.6	Montgomery	28	Ross soils	0.1	0.1	--	--	--	0.1	--	--	--
225.6	Montgomery	19B	Guernsey silt loam, 2 to 7 percent slopes	0.4	--	--	--	--	--	--	--	--
225.7	Montgomery	25	McGary and Purdy soils	0.1	0.1	--	--	--	--	0.1	0.1	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
225.7	Montgomery	28	Ross soils	0.9	0.9	--	--	--	0.9	--	--	--
225.7	Montgomery	33	Weaver soils	0.6	0.6	--	--	--	0.6	--	--	--
225.8	Montgomery	28	Ross soils	0.0	0.0	--	--	--	0.0	--	--	--
225.8	Montgomery	33	Weaver soils	0.4	0.4	--	--	--	0.4	--	--	--
225.8	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.6	--	--	--	0.6	--	--
225.8	Montgomery	9C	Carbo and Chilhowie soils, 7 to 15 percent slopes	--	--	0.3	--	--	--	0.3	--	--
225.8	Montgomery	9D	Carbo and Chilhowie soils, 15 to 25 percent slopes	--	--	0.0	--	--	--	0.0	--	--
225.9	Montgomery	21C	Hayter soils, 7 to 15 percent slopes	0.2	0.2	--	--	--	0.2	0.2	--	--
225.9	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.5	--	--	--	0.5	--	--
225.9	Montgomery	9C	Carbo and Chilhowie soils, 7 to 15 percent slopes	--	--	0.3	--	--	--	0.3	--	--
225.9	Montgomery	9D	Carbo and Chilhowie soils, 15 to 25 percent slopes	--	--	0.3	--	--	--	0.3	--	--
226	Montgomery	21C	Hayter soils, 7 to 15 percent slopes	0.0	0.0	--	--	--	0.0	0.0	--	--
226	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	1.5	--	--	--	1.5	--	--
226	Montgomery	9D	Carbo and Chilhowie soils, 15 to 25 percent slopes	--	--	0.0	--	--	--	0.0	--	--
226.1	Montgomery	3E	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	--	--	0.2	--	--	--	0.2	--	--
226.1	Montgomery	4E	Berks-Rock outcrop complex, 25 to 70 percent slopes	--	--	0.9	--	--	--	0.9	--	--
226.1	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.4	--	--	--	0.4	--	--
226.2	Montgomery	3E	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	--	--	1.3	--	--	--	1.3	--	--
226.2	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.0	--	--	--	0.0	--	--
226.3	Montgomery	21C	Hayter soils, 7 to 15 percent slopes	0.9	0.9	--	--	--	0.9	0.9	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
226.3	Montgomery	34E	Wurno-Caneyville complex, 25 to 45 percent slopes	--	--	0.4	--	--	--	0.4	--	--
226.3	Montgomery	3E	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	--	--	0.3	--	--	--	0.3	--	--
226.4	Montgomery	34E	Wurno-Caneyville complex, 25 to 45 percent slopes	--	--	1.5	--	--	--	1.5	--	--
226.5	Montgomery	34E	Wurno-Caneyville complex, 25 to 45 percent slopes	--	--	1.3	--	--	--	1.3	--	--
226.5	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.2	--	0.2	--	0.2	--	--
226.6	Montgomery	4E	Berks-Rock outcrop complex, 25 to 70 percent slopes	--	--	0.5	--	--	--	0.5	--	--
226.6	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.1	--	1.1	--	1.1	--	--
226.7	Montgomery	16D	Groseclose and Poplimento soils, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
226.7	Montgomery	16E	Groseclose and Poplimento soils, 25 to 60 percent slopes	--	--	0.4	--	--	--	0.4	--	--
226.7	Montgomery	4E	Berks-Rock outcrop complex, 25 to 70 percent slopes	--	--	0.4	--	--	--	0.4	--	--
226.7	Montgomery	7D	Berks and Weikert very stony soils, 15 to 35 percent slopes	--	--	0.6	--	0.6	--	0.6	--	0.6
226.8	Montgomery	24D	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	1.2	--	--	--	1.2	--	1.2
226.8	Montgomery	7D	Berks and Weikert very stony soils, 15 to 35 percent slopes	--	--	0.3	--	0.3	--	0.3	--	0.3
226.9	Montgomery	24D	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	1.5	--	--	--	1.5	--	1.5
227	Montgomery	24D	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	1.6	--	--	--	1.6	--	1.6
227.1	Montgomery	24D	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	1.4	--	--	--	1.4	--	1.4
227.2	Montgomery	24D	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	1.5	--	--	--	1.5	--	1.5
227.3	Montgomery	24D	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	1.5	--	--	--	1.5	--	1.5

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
227.4	Montgomery	24D	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	1.3	--	--	--	1.3	--	1.3
227.4	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.2	--	0.2	--	0.2	--	--
227.5	Montgomery	24D	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	0.0	--	--	--	0.0	--	0.0
227.5	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.4	--	1.4	--	1.4	--	--
227.6	Montgomery	23C	Jefferson very stony soils, 7 to 15 percent slopes	0.5	--	--	--	--	--	0.5	--	0.5
227.6	Montgomery	24D	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	0.0	--	--	--	0.0	--	0.0
227.6	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.9	--	0.9	--	0.9	--	--
227.7	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.0	--	1.0	--	1.0	--	--
227.8	Montgomery	1C	Berks-Clymer complex, 7 to 15 percent slopes	--	--	--	--	1.0	--	1.0	--	--
227.8	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.5	--	0.5	--	0.5	--	--
227.9	Montgomery	25	McGary and Purdy soils	0.5	0.5	--	--	--	--	0.5	0.5	--
227.9	Montgomery	1C	Berks-Clymer complex, 7 to 15 percent slopes	--	--	--	--	0.2	--	0.2	--	--
227.9	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.5	--	0.5	--	0.5	--	--
228	Montgomery	25	McGary and Purdy soils	0.0	0.0	--	--	--	--	0.0	0.0	--
228	Montgomery	11B	Duffield-Ernest complex, 2 to 7 percent slopes	0.1	0.1	--	--	--	0.1	--	--	--
228	Montgomery	1C	Berks-Clymer complex, 7 to 15 percent slopes	--	--	--	--	0.7	--	0.7	--	--
228	Montgomery	23C	Jefferson very stony soils, 7 to 15 percent slopes	0.5	--	--	--	--	--	0.5	--	0.5
228.1	Montgomery	10	Craigsville soils	--	0.6	--	--	--	0.6	0.6	--	--
228.1	Montgomery	1C	Berks-Clymer complex, 7 to 15 percent slopes	--	--	--	--	0.2	--	0.2	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
228.1	Montgomery	23C	Jefferson very stony soils, 7 to 15 percent slopes	0.3	--	--	--	--	--	0.3	--	0.3
228.1	Montgomery	5D	Berks-Weikert complex, 15 to 25 percent slopes	--	--	0.1	--	0.1	--	0.1	--	--
228.2	Montgomery	1C	Berks-Clymer complex, 7 to 15 percent slopes	--	--	--	--	0.1	--	0.1	--	--
228.2	Montgomery	5D	Berks-Weikert complex, 15 to 25 percent slopes	--	--	1.2	--	1.2	--	1.2	--	--
228.3	Montgomery	1C	Berks-Clymer complex, 7 to 15 percent slopes	--	--	--	--	0.8	--	0.8	--	--
228.3	Montgomery	5D	Berks-Weikert complex, 15 to 25 percent slopes	--	--	0.6	--	0.6	--	0.6	--	--
228.4	Montgomery	5D	Berks-Weikert complex, 15 to 25 percent slopes	--	--	0.1	--	0.1	--	0.1	--	--
228.4	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
228.5	Montgomery	1C	Berks-Clymer complex, 7 to 15 percent slopes	--	--	--	--	0.8	--	0.8	--	--
228.5	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.7	--	0.7	--	0.7	--	--
228.6	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.3	--	1.3	--	1.3	--	--
228.7	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.3	--	1.3	--	1.3	--	--
228.8	Montgomery	1C	Berks-Clymer complex, 7 to 15 percent slopes	--	--	--	--	0.5	--	0.5	--	--
228.8	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.9	--	0.9	--	0.9	--	--
228.9	Montgomery	1C	Berks-Clymer complex, 7 to 15 percent slopes	--	--	--	--	1.5	--	1.5	--	--
229	Montgomery	1C	Berks-Clymer complex, 7 to 15 percent slopes	--	--	--	--	1.4	--	1.4	--	--
229.1	Montgomery	1C	Berks-Clymer complex, 7 to 15 percent slopes	--	--	--	--	0.5	--	0.5	--	--
229.1	Montgomery	22C	Jefferson soils, 7 to 15 percent slopes	0.6	--	--	--	--	--	0.6	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
229.2	Montgomery	10	Craigsville soils	--	0.4	--	--	--	0.4	0.4	--	--
229.2	Montgomery	19B	Guernsey silt loam, 2 to 7 percent slopes	0.3	--	--	--	--	--	--	--	--
229.2	Montgomery	22C	Jefferson soils, 7 to 15 percent slopes	0.7	--	--	--	--	--	0.7	--	--
229.3	Montgomery	10	Craigsville soils	--	0.0	--	--	--	0.0	0.0	--	--
229.3	Montgomery	22C	Jefferson soils, 7 to 15 percent slopes	1.4	--	--	--	--	--	1.4	--	--
229.3	Montgomery	4E	Berks-Rock outcrop complex, 25 to 70 percent slopes	--	--	0.1	--	--	--	0.1	--	--
229.4	Montgomery	22C	Jefferson soils, 7 to 15 percent slopes	0.5	--	--	--	--	--	0.5	--	--
229.4	Montgomery	4E	Berks-Rock outcrop complex, 25 to 70 percent slopes	--	--	0.1	--	--	--	0.1	--	--
229.4	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.9	--	0.9	--	0.9	--	--
229.5	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
229.6	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
229.7	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
229.8	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
229.9	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
230	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.6	--	1.6	--	1.6	--	--
230.1	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
230.2	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
230.3	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
230.4	Montgomery	4E	Berks-Rock outcrop complex, 25 to 70 percent slopes	--	--	0.0	--	--	--	0.0	--	--
230.4	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
230.5	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
230.6	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
230.7	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
230.8	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
230.9	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
231	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
231.1	Montgomery	1C	Berks-Clymer complex, 7 to 15 percent slopes	--	--	--	--	0.8	--	0.8	--	--
231.1	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.7	--	0.7	--	0.7	--	--
231.2	Montgomery	1C	Berks-Clymer complex, 7 to 15 percent slopes	--	--	--	--	0.0	--	0.0	--	--
231.2	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.4	--	1.4	--	1.4	--	--
231.3	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
231.4	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
231.5	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
231.6	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
231.7	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
231.8	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
231.9	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
232	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
232.1	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
232.2	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
232.3	Montgomery	5D	Berks-Weikert complex, 15 to 25 percent slopes	--	--	0.0	--	0.0	--	0.0	--	--
232.3	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
232.4	Montgomery	5D	Berks-Weikert complex, 15 to 25 percent slopes	--	--	1.2	--	1.2	--	1.2	--	--
232.4	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.3	--	0.3	--	0.3	--	--
232.5	Montgomery	5D	Berks-Weikert complex, 15 to 25 percent slopes	--	--	0.9	--	0.9	--	0.9	--	--
232.5	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.7	--	0.7	--	0.7	--	--
232.6	Montgomery	5D	Berks-Weikert complex, 15 to 25 percent slopes	--	--	0.1	--	0.1	--	0.1	--	--
232.6	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
232.7	Montgomery	29	Udorthents and Urban land	--	--	--	--	--	--	0.8	--	--
232.7	Montgomery	16E	Groseclose and Poplimento soils, 25 to 60 percent slopes	--	--	0.7	--	--	--	0.7	--	--
232.7	Montgomery	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.0	--	0.0	--	0.0	--	--
232.8	Montgomery	16E	Groseclose and Poplimento soils, 25 to 60 percent slopes	--	--	1.1	--	--	--	1.1	--	--
232.8	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.4	--	--	--	0.4	--	--
232.9	Montgomery	13C	Frederick and Vertrees gravelly silt loams, 7 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
232.9	Montgomery	8D	Caneyville-Opequon-Rock outcrop complex, 7 to 25 percent slopes	--	--	0.6	--	--	--	0.6	--	--
232.9	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.4	--	--	--	0.4	--	--
233	Montgomery	12C	Frederick and Vertrees silt loams, 7 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
233	Montgomery	13C	Frederick and Vertrees gravelly silt loams, 7 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
233	Montgomery	8D	Caneyville-Opequon-Rock outcrop complex, 7 to 25 percent slopes	--	--	0.8	--	--	--	0.8	--	--
233.1	Montgomery	12C	Frederick and Vertrees silt loams, 7 to 15 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
233.1	Montgomery	30B	Unison and Braddock soils, 2 to 7 percent slopes	0.0	0.0	--	--	--	0.0	0.0	--	--
233.1	Montgomery	30C	Unison and Braddock soils, 7 to 15 percent slopes	0.3	0.3	0.3	--	--	0.3	0.3	--	--
233.1	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.1	--	--	--	0.1	--	--
233.2	Roanoke County	30B	Unison and Braddock soils, 2 to 7 percent slopes	0.4	0.4	--	--	--	0.4	0.4	--	--
233.2	Roanoke County	30C	Unison and Braddock soils, 7 to 15 percent slopes	1.1	1.1	1.1	--	--	1.1	1.1	--	--
233.3	Roanoke County	30C	Unison and Braddock soils, 7 to 15 percent slopes	1.4	1.4	1.4	--	--	1.4	1.4	--	--
233.4	Montgomery	30C	Unison and Braddock soils, 7 to 15 percent slopes	1.5	1.5	1.5	--	--	1.5	1.5	--	--
233.5	Montgomery	30C	Unison and Braddock soils, 7 to 15 percent slopes	0.4	0.4	0.4	--	--	0.4	0.4	--	--
233.5	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	1.1	--	--	--	1.1	--	--
233.6	Montgomery	28	Ross soils	0.6	0.6	--	--	--	0.6	--	--	--
233.6	Montgomery	20B	Hayter loam, 2 to 7 percent slopes	0.6	0.6	--	--	--	0.6	0.6	--	--
233.6	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.4	--	--	--	0.4	--	--
233.7	Montgomery	28	Ross soils	1.5	1.5	--	--	--	1.5	--	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
233.8	Montgomery	28	Ross soils	0.8	0.8	--	--	--	0.8	--	--	--
233.8	Montgomery	33	Weaver soils	0.3	0.3	--	--	--	0.3	--	--	--
233.8	Montgomery	W	Water	--	--	--	--	--	--	0.1	--	--
233.9	Montgomery	25	McGary and Purdy soils	0.2	0.2	--	--	--	--	0.2	0.2	--
233.9	Montgomery	33	Weaver soils	0.1	0.1	--	--	--	0.1	--	--	--
233.9	Montgomery	19B	Guernsey silt loam, 2 to 7 percent slopes	0.6	--	--	--	--	--	--	--	--
233.9	Montgomery	20B	Hayter loam, 2 to 7 percent slopes	0.3	0.3	--	--	--	0.3	0.3	--	--
233.9	Montgomery	3E	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	--	--	0.3	--	--	--	0.3	--	--
234	Montgomery	29	Udorthents and Urban land	--	--	--	--	--	--	0.6	--	--
234	Montgomery	11C	Duffield-Ernest complex, 7 to 15 percent slopes	0.4	0.4	0.4	--	--	0.4	--	--	--
234	Montgomery	19B	Guernsey silt loam, 2 to 7 percent slopes	0.2	--	--	--	--	--	--	--	--
234.1	Montgomery	11C	Duffield-Ernest complex, 7 to 15 percent slopes	1.4	1.4	1.4	--	--	1.4	--	--	--
234.1	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.1	--	--	--	0.1	--	--
234.2	Montgomery	3D	Berks-Lowell-Rayne complex, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
234.2	Montgomery	3E	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	--	--	0.1	--	--	--	0.1	--	--
234.2	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	1.0	--	--	--	1.0	--	--
234.3	Montgomery	3D	Berks-Lowell-Rayne complex, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
234.3	Montgomery	3E	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	--	--	0.6	--	--	--	0.6	--	--
234.4	Montgomery	3E	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	--	--	1.4	--	--	--	1.4	--	--
234.5	Montgomery	12C	Frederick and Vertrees silt loams, 7 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
234.5	Montgomery	3D	Berks-Lowell-Rayne complex, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
234.5	Montgomery	3E	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	--	--	0.6	--	--	--	0.6	--	--
234.5	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.8	--	--	--	0.8	--	--
234.6	Montgomery	11C	Duffield-Ernest complex, 7 to 15 percent slopes	0.2	0.2	0.2	--	--	0.2	--	--	--
234.6	Montgomery	3D	Berks-Lowell-Rayne complex, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
234.6	Montgomery	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	1.3	--	--	--	1.3	--	--
234.7	Montgomery	11C	Duffield-Ernest complex, 7 to 15 percent slopes	0.3	0.3	0.3	--	--	0.3	--	--	--
234.7	Montgomery	3E	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	--	--	1.1	--	--	--	1.1	--	--
234.8	Montgomery	3E	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	--	--	1.5	--	--	--	1.5	--	--
234.9	Montgomery	3E	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	--	--	1.5	--	--	--	1.5	--	--
235	Montgomery	3E	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	--	--	1.5	--	--	--	1.5	--	--
235.1	Montgomery	3E	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	--	--	1.5	--	--	--	1.5	--	--
235.2	Montgomery	2C	Berks-Groseclose complex, 7 to 15 percent slopes	--	--	--	--	--	--	0.5	--	--
235.2	Montgomery	3E	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	--	--	1.0	--	--	--	1.0	--	--
235.3	Montgomery	3E	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	--	--	1.5	--	--	--	1.5	--	--
235.4	Montgomery	3E	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	--	--	1.5	--	--	--	1.5	--	--
235.5	Montgomery	3E	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	--	--	1.5	--	--	--	1.5	--	--
235.6	Montgomery	25	McGary and Purdy soils	0.4	0.4	--	--	--	--	0.4	0.4	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
235.6	Montgomery	3E	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	--	--	0.9	--	--	--	0.9	--	--
235.7	Montgomery	3E	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	--	--	1.6	--	--	--	1.6	--	--
235.8	Montgomery	24D	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	0.5	--	--	--	0.5	--	0.5
235.8	Montgomery	3E	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	--	--	1.1	--	--	--	1.1	--	--
235.9	Montgomery	3D	Berks-Lowell-Rayne complex, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
235.9	Montgomery	3E	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	--	--	1.3	--	--	--	1.3	--	--
236	Montgomery	3D	Berks-Lowell-Rayne complex, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
236	Montgomery	3E	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	--	--	0.6	--	--	--	0.6	--	--
236.1	Montgomery	3E	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	--	--	0.7	--	--	--	0.7	--	--
236.1	Montgomery	5E	Chiswell-Litz complex, 25 to 50 percent slopes	--	--	0.8	--	0.8	--	0.8	--	--
236.2	Roanoke County	5E	Chiswell-Litz complex, 25 to 50 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
236.3	Roanoke County	12F	Dekalb-Rock outcrop complex, 25 to 80 percent slopes	--	--	0.2	--	0.2	--	0.2	--	--
236.3	Roanoke County	46F	Sylvatus very channery silt loam, 55 to 75 percent slopes	--	--	1.0	--	1.0	--	1.0	--	--
236.3	Roanoke County	5E	Chiswell-Litz complex, 25 to 50 percent slopes	--	--	0.3	--	0.3	--	0.3	--	--
236.4	Roanoke County	12F	Dekalb-Rock outcrop complex, 25 to 80 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
236.5	Roanoke County	12F	Dekalb-Rock outcrop complex, 25 to 80 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
236.6	Roanoke County	12F	Dekalb-Rock outcrop complex, 25 to 80 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
236.7	Roanoke County	12F	Dekalb-Rock outcrop complex, 25 to 80 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
236.8	Roanoke County	12F	Dekalb-Rock outcrop complex, 25 to 80 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
236.9	Roanoke County	11E	Dekalb channery sandy loam, 35 to 60 percent slopes, very stony	--	--	0.5	--	0.5	--	0.5	--	0.5
236.9	Roanoke County	11F	Dekalb channery sandy loam, 60 to 80 percent slopes, very stony	--	--	0.0	--	0.0	--	0.0	--	0.0
236.9	Roanoke County	12F	Dekalb-Rock outcrop complex, 25 to 80 percent slopes	--	--	1.0	--	1.0	--	1.0	--	--
237	Roanoke County	11E	Dekalb channery sandy loam, 35 to 60 percent slopes, very stony	--	--	1.5	--	1.5	--	1.5	--	1.5
237	Roanoke County	11F	Dekalb channery sandy loam, 60 to 80 percent slopes, very stony	--	--	0.0	--	0.0	--	0.0	--	0.0
237.1	Roanoke County	11E	Dekalb channery sandy loam, 35 to 60 percent slopes, very stony	--	--	0.6	--	0.6	--	0.6	--	0.6
237.1	Roanoke County	11F	Dekalb channery sandy loam, 60 to 80 percent slopes, very stony	--	--	0.9	--	0.9	--	0.9	--	0.9
237.2	Roanoke County	11E	Dekalb channery sandy loam, 35 to 60 percent slopes, very stony	--	--	0.7	--	0.7	--	0.7	--	0.7
237.2	Roanoke County	11F	Dekalb channery sandy loam, 60 to 80 percent slopes, very stony	--	--	0.7	--	0.7	--	0.7	--	0.7
237.3	Roanoke County	11E	Dekalb channery sandy loam, 35 to 60 percent slopes, very stony	--	--	1.5	--	1.5	--	1.5	--	1.5
237.3	Roanoke County	11F	Dekalb channery sandy loam, 60 to 80 percent slopes, very stony	--	--	0.0	--	0.0	--	0.0	--	0.0
237.4	Roanoke County	11E	Dekalb channery sandy loam, 35 to 60 percent slopes, very stony	--	--	1.2	--	1.2	--	1.2	--	1.2
237.4	Roanoke County	11F	Dekalb channery sandy loam, 60 to 80 percent slopes, very stony	--	--	0.4	--	0.4	--	0.4	--	0.4
237.5	Roanoke County	11F	Dekalb channery sandy loam, 60 to 80 percent slopes, very stony	--	--	1.5	--	1.5	--	1.5	--	1.5
237.6	Roanoke County	11F	Dekalb channery sandy loam, 60 to 80 percent slopes, very stony	--	--	1.5	--	1.5	--	1.5	--	1.5
237.7	Roanoke County	11F	Dekalb channery sandy loam, 60 to 80 percent slopes, very stony	--	--	1.4	--	1.4	--	1.4	--	1.4
237.8	Roanoke County	11E	Dekalb channery sandy loam, 35 to 60 percent slopes, very stony	--	--	1.2	--	1.2	--	1.2	--	1.2

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
237.8	Roanoke County	11F	Dekalb channery sandy loam, 60 to 80 percent slopes, very stony	--	--	0.4	--	0.4	--	0.4	--	0.4
237.9	Roanoke County	11E	Dekalb channery sandy loam, 35 to 60 percent slopes, very stony	--	--	1.5	--	1.5	--	1.5	--	1.5
238	Roanoke County	11E	Dekalb channery sandy loam, 35 to 60 percent slopes, very stony	--	--	1.5	--	1.5	--	1.5	--	1.5
238.1	Roanoke County	11E	Dekalb channery sandy loam, 35 to 60 percent slopes, very stony	--	--	1.5	--	1.5	--	1.5	--	1.5
238.2	Roanoke County	11C	Dekalb channery sandy loam, 7 to 15 percent slopes, very stony	--	--	--	--	0.4	--	0.4	--	0.4
238.2	Roanoke County	11E	Dekalb channery sandy loam, 35 to 60 percent slopes, very stony	--	--	1.2	--	1.2	--	1.2	--	1.2
238.3	Roanoke County	11C	Dekalb channery sandy loam, 7 to 15 percent slopes, very stony	--	--	--	--	1.5	--	1.5	--	1.5
238.3	Roanoke County	46E	Sylvatus very channery silt loam, 35 to 55 percent slopes	--	--	0.0	--	0.0	--	0.0	--	--
238.4	Roanoke County	11C	Dekalb channery sandy loam, 7 to 15 percent slopes, very stony	--	--	--	--	0.0	--	0.0	--	0.0
238.4	Roanoke County	46E	Sylvatus very channery silt loam, 35 to 55 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
238.5	Roanoke County	46E	Sylvatus very channery silt loam, 35 to 55 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
238.6	Roanoke County	46E	Sylvatus very channery silt loam, 35 to 55 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
238.7	Roanoke County	46E	Sylvatus very channery silt loam, 35 to 55 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
238.8	Roanoke County	23C	Grimsley cobbly loam, 7 to 15 percent slopes	--	--	--	--	0.1	--	0.1	--	--
238.8	Roanoke County	46E	Sylvatus very channery silt loam, 35 to 55 percent slopes	--	--	0.3	--	0.3	--	0.3	--	--
238.8	Roanoke County	46F	Sylvatus very channery silt loam, 55 to 75 percent slopes	--	--	0.8	--	0.8	--	0.8	--	--
238.9	Roanoke County	46F	Sylvatus very channery silt loam, 55 to 75 percent slopes	--	--	1.5	--	1.5	--	1.5	--	--
239	Roanoke County	16E	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	1.4	--	--	--	1.4	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
239	Roanoke County	46F	Sylvatus very channery silt loam, 55 to 75 percent slopes	--	--	0.2	--	0.2	--	0.2	--	--
239.1	Roanoke County	16E	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	1.5	--	--	--	1.5	--	--
239.2	Roanoke County	16E	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	1.5	--	--	--	1.5	--	--
239.3	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
239.3	Roanoke County	16E	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	1.5	--	--	--	1.5	--	--
239.4	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
239.4	Roanoke County	16E	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	0.0	--	--	--	0.0	--	--
239.4	Roanoke County	23C	Grimsley cobbly loam, 7 to 15 percent slopes	--	--	--	--	0.1	--	0.1	--	--
239.5	Roanoke County	23C	Grimsley cobbly loam, 7 to 15 percent slopes	--	--	--	--	1.5	--	1.5	--	--
239.6	Roanoke County	16E	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	0.4	--	--	--	0.4	--	--
239.6	Roanoke County	23C	Grimsley cobbly loam, 7 to 15 percent slopes	--	--	--	--	1.1	--	1.1	--	--
239.7	Roanoke County	16E	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	1.5	--	--	--	1.5	--	--
239.8	Roanoke County	16E	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	1.5	--	--	--	1.5	--	--
239.9	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
239.9	Roanoke County	16E	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	0.9	--	--	--	0.9	--	--
240	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
240.1	Roanoke County	16C	Edneyville fine sandy loam, 7 to 15 percent slopes	0.9	--	--	--	--	--	0.9	--	--
240.1	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
240.2	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
240.2	Roanoke County	9B	Cotaco loam, 2 to 7 percent slopes	0.6	--	--	--	--	--	--	--	--
240.3	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
240.3	Roanoke County	42A	Sindion loam, 0 to 2 percent slopes, occasionally flooded	0.6	--	--	--	--	--	--	--	--
240.3	Roanoke County	9B	Cotaco loam, 2 to 7 percent slopes	0.9	--	--	--	--	--	--	--	--
240.4	Roanoke County	16E	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	0.0	--	--	--	0.0	--	--
240.4	Roanoke County	42A	Sindion loam, 0 to 2 percent slopes, occasionally flooded	1.1	--	--	--	--	--	--	--	--
240.5	Roanoke County	16E	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	1.2	--	--	--	1.2	--	--
240.5	Roanoke County	42A	Sindion loam, 0 to 2 percent slopes, occasionally flooded	0.2	--	--	--	--	--	--	--	--
240.6	Roanoke County	16E	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	1.5	--	--	--	1.5	--	--
240.6	Roanoke County	42A	Sindion loam, 0 to 2 percent slopes, occasionally flooded	0.0	--	--	--	--	--	--	--	--
240.7	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
240.7	Roanoke County	16E	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	0.7	--	--	--	0.7	--	--
240.8	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
240.8	Roanoke County	34E	Peaks gravelly loam, 35 to 60 percent slopes, very stony	--	--	0.3	--	0.3	--	0.3	--	0.3
240.9	Roanoke County	16E	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	1.3	--	--	--	1.3	--	--
240.9	Roanoke County	34E	Peaks gravelly loam, 35 to 60 percent slopes, very stony	--	--	0.2	--	0.2	--	0.2	--	0.2
241	Roanoke County	16C	Edneyville fine sandy loam, 7 to 15 percent slopes	0.7	--	--	--	--	--	0.7	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
241	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
241	Roanoke County	16E	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	0.4	--	--	--	0.4	--	--
241.1	Roanoke County	16C	Edneyville fine sandy loam, 7 to 15 percent slopes	0.5	--	--	--	--	--	0.5	--	--
241.1	Roanoke County	17C	Evard fine sandy loam, 7 to 15 percent slopes	0.3	--	--	--	--	--	0.3	--	--
241.1	Roanoke County	1A	Alderflats silt loam, 0 to 4 percent slopes	--	0.5	--	--	--	0.5	0.5	0.5	--
241.2	Roanoke County	17C	Evard fine sandy loam, 7 to 15 percent slopes	1.5	--	--	--	--	--	1.5	--	--
241.3	Roanoke County	17C	Evard fine sandy loam, 7 to 15 percent slopes	1.6	--	--	--	--	--	1.6	--	--
241.3	Roanoke County	1A	Alderflats silt loam, 0 to 4 percent slopes	--	0.1	--	--	--	0.1	0.1	0.1	--
241.4	Roanoke County	17C	Evard fine sandy loam, 7 to 15 percent slopes	0.4	--	--	--	--	--	0.4	--	--
241.4	Roanoke County	1A	Alderflats silt loam, 0 to 4 percent slopes	--	1.1	--	--	--	1.1	1.1	1.1	--
241.5	Roanoke County	16B	Edneyville fine sandy loam, 2 to 7 percent slopes	0.8	--	--	--	--	--	0.8	--	--
241.5	Roanoke County	1A	Alderflats silt loam, 0 to 4 percent slopes	--	0.7	--	--	--	0.7	0.7	0.7	--
241.6	Roanoke County	16B	Edneyville fine sandy loam, 2 to 7 percent slopes	1.4	--	--	--	--	--	1.4	--	--
241.6	Roanoke County	1A	Alderflats silt loam, 0 to 4 percent slopes	--	0.1	--	--	--	0.1	0.1	0.1	--
241.7	Roanoke County	16C	Edneyville fine sandy loam, 7 to 15 percent slopes	0.1	--	--	--	--	--	0.1	--	--
241.7	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
241.7	Roanoke County	1A	Alderflats silt loam, 0 to 4 percent slopes	--	0.6	--	--	--	0.6	0.6	0.6	--
241.8	Roanoke County	16C	Edneyville fine sandy loam, 7 to 15 percent slopes	0.4	--	--	--	--	--	0.4	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
241.8	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
241.9	Roanoke County	16C	Edneyville fine sandy loam, 7 to 15 percent slopes	1.5	--	--	--	--	--	1.5	--	--
242	Roanoke County	16C	Edneyville fine sandy loam, 7 to 15 percent slopes	1.5	--	--	--	--	--	1.5	--	--
242	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
242.1	Roanoke County	16C	Edneyville fine sandy loam, 7 to 15 percent slopes	0.8	--	--	--	--	--	0.8	--	--
242.1	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
242.2	Roanoke County	16C	Edneyville fine sandy loam, 7 to 15 percent slopes	0.8	--	--	--	--	--	0.8	--	--
242.2	Roanoke County	16E	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	0.7	--	--	--	0.7	--	--
242.3	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
242.3	Roanoke County	16E	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	0.9	--	--	--	0.9	--	--
242.4	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
242.4	Roanoke County	16E	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	1.5	--	--	--	1.5	--	--
242.5	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
242.5	Roanoke County	16E	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	0.9	--	--	--	0.9	--	--
242.6	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
242.6	Roanoke County	16E	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	1.3	--	--	--	1.3	--	--
242.7	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
242.7	Roanoke County	16E	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	0.3	--	--	--	0.3	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
242.8	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
242.9	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
242.9	Roanoke County	16E	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	0.6	--	--	--	0.6	--	--
242.9	Roanoke County	1A	Alderflats silt loam, 0 to 4 percent slopes	--	0.4	--	--	--	0.4	0.4	0.4	--
243	Roanoke County	16C	Edneyville fine sandy loam, 7 to 15 percent slopes	1.0	--	--	--	--	--	1.0	--	--
243	Roanoke County	1A	Alderflats silt loam, 0 to 4 percent slopes	--	0.5	--	--	--	0.5	0.5	0.5	--
243.1	Roanoke County	16C	Edneyville fine sandy loam, 7 to 15 percent slopes	0.8	--	--	--	--	--	0.8	--	--
243.1	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
243.2	Roanoke County	16C	Edneyville fine sandy loam, 7 to 15 percent slopes	0.2	--	--	--	--	--	0.2	--	--
243.2	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
243.3	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
243.3	Roanoke County	16E	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	0.4	--	--	--	0.4	--	--
243.4	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
243.4	Roanoke County	16E	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	1.5	--	--	--	1.5	--	--
243.5	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
243.5	Roanoke County	16E	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	0.6	--	--	--	0.6	--	--
243.6	Roanoke County	16E	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	0.2	--	--	--	0.2	--	--
243.6	Roanoke County	17C	Evard fine sandy loam, 7 to 15 percent slopes	1.4	--	--	--	--	--	1.4	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
243.7	Roanoke County	17C	Evard fine sandy loam, 7 to 15 percent slopes	1.3	--	--	--	--	--	1.3	--	--
243.7	Roanoke County	1A	Alderflats silt loam, 0 to 4 percent slopes	--	0.2	--	--	--	0.2	0.2	0.2	--
243.8	Roanoke County	1A	Alderflats silt loam, 0 to 4 percent slopes	--	1.3	--	--	--	1.3	1.3	1.3	--
243.9	Roanoke County	16C	Edneyville fine sandy loam, 7 to 15 percent slopes	0.0	--	--	--	--	--	0.0	--	--
243.9	Roanoke County	1A	Alderflats silt loam, 0 to 4 percent slopes	--	1.0	--	--	--	1.0	1.0	1.0	--
244	Roanoke County	16C	Edneyville fine sandy loam, 7 to 15 percent slopes	0.6	--	--	--	--	--	0.6	--	--
244	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
244	Roanoke County	1A	Alderflats silt loam, 0 to 4 percent slopes	--	0.0	--	--	--	0.0	0.0	0.0	--
244.1	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
244.2	Roanoke County	16B	Edneyville fine sandy loam, 2 to 7 percent slopes	0.1	--	--	--	--	--	0.1	--	--
244.2	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
244.3	Roanoke County	16B	Edneyville fine sandy loam, 2 to 7 percent slopes	1.5	--	--	--	--	--	1.5	--	--
244.3	Roanoke County	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
244.4	Roanoke County	16B	Edneyville fine sandy loam, 2 to 7 percent slopes	0.7	--	--	--	--	--	0.7	--	--
244.4	Roanoke County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.4	--	--	--	0.4	--	0.4
244.4	Roanoke County	1C	Ashe-Edneyville-Peaks complex, 8 to 15 percent slopes, very stony	--	--	--	--	--	--	0.4	--	0.4
244.5	Franklin County	16C	Edneytown-Sauratown complex, 8 to 15 percent slopes, very stony	0.0	--	0.0	--	--	--	0.0	--	0.0
244.5	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
244.5	Franklin County	1C	Ashe-Edneyville-Peaks complex, 8 to 15 percent slopes, very stony	--	--	--	--	--	--	0.6	--	0.6
244.6	Franklin County	16C	Edneytown-Sauratown complex, 8 to 15 percent slopes, very stony	0.7	--	0.7	--	--	--	0.7	--	0.7
244.6	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
244.7	Franklin County	16D	Edneytown-Sauratown complex, 15 to 25 percent slopes, very stony	0.3	--	0.3	--	--	--	0.3	--	0.3
244.7	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
244.8	Franklin County	13E	Cullasaja-Tuckasegee complex, 25 to 60 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
244.8	Franklin County	16D	Edneytown-Sauratown complex, 15 to 25 percent slopes, very stony	0.3	--	0.3	--	--	--	0.3	--	0.3
244.8	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
244.9	Franklin County	16C	Edneytown-Sauratown complex, 8 to 15 percent slopes, very stony	0.2	--	0.2	--	--	--	0.2	--	0.2
244.9	Franklin County	16D	Edneytown-Sauratown complex, 15 to 25 percent slopes, very stony	1.0	--	1.0	--	--	--	1.0	--	1.0
244.9	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
245	Franklin County	16C	Edneytown-Sauratown complex, 8 to 15 percent slopes, very stony	1.2	--	1.2	--	--	--	1.2	--	1.2
245	Franklin County	16D	Edneytown-Sauratown complex, 15 to 25 percent slopes, very stony	0.2	--	0.2	--	--	--	0.2	--	0.2
245	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
245.1	Franklin County	16D	Edneytown-Sauratown complex, 15 to 25 percent slopes, very stony	0.9	--	0.9	--	--	--	0.9	--	0.9
245.1	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
245.2	Franklin County	13D	Cullasaja-Tuckasegee complex, 15 to 25 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1
245.2	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
245.2	Franklin County	33E	Peaks-Ashe-Edneyville complex, 25 to 45 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
245.3	Franklin County	13D	Cullasaja-Tuckasegee complex, 15 to 25 percent slopes, very stony	--	--	1.0	--	--	--	1.0	--	1.0
245.3	Franklin County	33E	Peaks-Ashe-Edneyville complex, 25 to 45 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
245.4	Franklin County	33E	Peaks-Ashe-Edneyville complex, 25 to 45 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
245.5	Franklin County	33E	Peaks-Ashe-Edneyville complex, 25 to 45 percent slopes, very stony	--	--	1.4	--	--	--	1.4	--	1.4
245.5	Franklin County	33F	Peaks-Ashe-Edneyville complex, 45 to 95 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
245.6	Franklin County	2D	Ashe-Peaks-Edneyville complex, 15 to 25 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
245.6	Franklin County	33E	Peaks-Ashe-Edneyville complex, 25 to 45 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
245.6	Franklin County	33F	Peaks-Ashe-Edneyville complex, 45 to 95 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
245.7	Franklin County	2D	Ashe-Peaks-Edneyville complex, 15 to 25 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
245.7	Franklin County	33E	Peaks-Ashe-Edneyville complex, 25 to 45 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
245.8	Franklin County	2D	Ashe-Peaks-Edneyville complex, 15 to 25 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
245.8	Franklin County	33E	Peaks-Ashe-Edneyville complex, 25 to 45 percent slopes, very stony	--	--	1.0	--	--	--	1.0	--	1.0
245.9	Franklin County	2D	Ashe-Peaks-Edneyville complex, 15 to 25 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1
245.9	Franklin County	33E	Peaks-Ashe-Edneyville complex, 25 to 45 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
246	Franklin County	1C	Ashe-Edneyville-Peaks complex, 8 to 15 percent slopes, very stony	--	--	--	--	--	--	1.1	--	1.1
246	Franklin County	33E	Peaks-Ashe-Edneyville complex, 25 to 45 percent slopes, very stony	--	--	0.4	--	--	--	0.4	--	0.4
246.1	Franklin County	2D	Ashe-Peaks-Edneyville complex, 15 to 25 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
246.1	Franklin County	33E	Peaks-Ashe-Edneyville complex, 25 to 45 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
246.2	Franklin County	2D	Ashe-Peaks-Edneyville complex, 15 to 25 percent slopes, very stony	--	--	1.4	--	--	--	1.4	--	1.4
246.2	Franklin County	33F	Peaks-Ashe-Edneyville complex, 45 to 95 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
246.3	Franklin County	33F	Peaks-Ashe-Edneyville complex, 45 to 95 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
246.4	Franklin County	33E	Peaks-Ashe-Edneyville complex, 25 to 45 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
246.4	Franklin County	33F	Peaks-Ashe-Edneyville complex, 45 to 95 percent slopes, very stony	--	--	1.0	--	--	--	1.0	--	1.0
246.5	Franklin County	20E	Hayesville loam, 25 to 45 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
246.5	Franklin County	33E	Peaks-Ashe-Edneyville complex, 25 to 45 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
246.6	Franklin County	19D	Hayesville loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
246.6	Franklin County	20E	Hayesville loam, 25 to 45 percent slopes, very stony	--	--	1.3	--	--	--	1.3	--	1.3
246.7	Franklin County	19D	Hayesville loam, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
246.7	Franklin County	20E	Hayesville loam, 25 to 45 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
246.8	Franklin County	20E	Hayesville loam, 25 to 45 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
246.8	Franklin County	39C	Wintergreen loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
246.9	Franklin County	39C	Wintergreen loam, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
247	Franklin County	39C	Wintergreen loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
247.1	Franklin County	39C	Wintergreen loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
247.2	Franklin County	39C	Wintergreen loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
247.3	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.7	--	--	--	--	--	--	--	--
247.3	Franklin County	39C	Wintergreen loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
247.4	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.1	--	--	--	--	--	--	--	--
247.4	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	1.2	--	--	--	1.2	--	1.2
247.4	Franklin County	33E	Peaks-Ashe-Edneyville complex, 25 to 45 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
247.5	Franklin County	2D	Ashe-Peaks-Edneyville complex, 15 to 25 percent slopes, very stony	--	--	0.9	--	--	--	0.9	--	0.9
247.5	Franklin County	33E	Peaks-Ashe-Edneyville complex, 25 to 45 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
247.6	Franklin County	2D	Ashe-Peaks-Edneyville complex, 15 to 25 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
247.6	Franklin County	33E	Peaks-Ashe-Edneyville complex, 25 to 45 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
247.6	Franklin County	33F	Peaks-Ashe-Edneyville complex, 45 to 95 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
247.7	Franklin County	2D	Ashe-Peaks-Edneyville complex, 15 to 25 percent slopes, very stony	--	--	1.1	--	--	--	1.1	--	1.1
247.7	Franklin County	33F	Peaks-Ashe-Edneyville complex, 45 to 95 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
247.8	Franklin County	2D	Ashe-Peaks-Edneyville complex, 15 to 25 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
247.8	Franklin County	33F	Peaks-Ashe-Edneyville complex, 45 to 95 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
247.9	Franklin County	1C	Ashe-Edneyville-Peaks complex, 8 to 15 percent slopes, very stony	--	--	--	--	--	--	0.9	--	0.9
247.9	Franklin County	2D	Ashe-Peaks-Edneyville complex, 15 to 25 percent slopes, very stony	--	--	0.4	--	--	--	0.4	--	0.4
247.9	Franklin County	33F	Peaks-Ashe-Edneyville complex, 45 to 95 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
248	Franklin County	1C	Ashe-Edneyville-Peaks complex, 8 to 15 percent slopes, very stony	--	--	--	--	--	--	1.1	--	1.1

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
248	Franklin County	33F	Peaks-Ashe-Edneyville complex, 45 to 95 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
248.1	Franklin County	1C	Ashe-Edneyville-Peaks complex, 8 to 15 percent slopes, very stony	--	--	--	--	--	--	1.2	--	1.2
248.1	Franklin County	2D	Ashe-Peaks-Edneyville complex, 15 to 25 percent slopes, very stony	--	--	0.3	--	--	--	0.3	--	0.3
248.2	Franklin County	1C	Ashe-Edneyville-Peaks complex, 8 to 15 percent slopes, very stony	--	--	--	--	--	--	0.0	--	0.0
248.2	Franklin County	2D	Ashe-Peaks-Edneyville complex, 15 to 25 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
248.3	Franklin County	1C	Ashe-Edneyville-Peaks complex, 8 to 15 percent slopes, very stony	--	--	--	--	--	--	0.9	--	0.9
248.3	Franklin County	2D	Ashe-Peaks-Edneyville complex, 15 to 25 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
248.3	Franklin County	33F	Peaks-Ashe-Edneyville complex, 45 to 95 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
248.4	Franklin County	2D	Ashe-Peaks-Edneyville complex, 15 to 25 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
248.4	Franklin County	33E	Peaks-Ashe-Edneyville complex, 25 to 45 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
248.4	Franklin County	33F	Peaks-Ashe-Edneyville complex, 45 to 95 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
248.5	Franklin County	33E	Peaks-Ashe-Edneyville complex, 25 to 45 percent slopes, very stony	--	--	1.4	--	--	--	1.4	--	1.4
248.5	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.1	--	--	--	0.1	--	--
248.6	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.8	--	--	--	--	--	--	--	--
248.6	Franklin County	33E	Peaks-Ashe-Edneyville complex, 25 to 45 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
248.6	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.4	--	--	--	0.4	--	--
248.7	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
248.7	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.6	--	--	--	0.6	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
248.8	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
248.9	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
248.9	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.1	--	--	--	0.1	--	--
249	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
249	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.1	--	--	--	0.1	--	--
249.1	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
249.1	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
249.1	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.0	--	--	--	0.0	--	--
249.2	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
249.2	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
249.2	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.0	--	--	--	0.0	--	--
249.3	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
249.3	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
249.4	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.1	--	--	--	--	--	--	--	--
249.4	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
249.4	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
249.4	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.8	--	--	--	0.8	--	--
249.5	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.5	--	--	--	--	--	--	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
249.5	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
249.6	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
249.6	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
249.6	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.6	--	--	--	0.6	--	--
249.7	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
249.7	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.7	--	--	--	0.7	--	--
249.8	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
249.8	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.8	--	--	--	0.8	--	--
249.9	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
249.9	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	1.2	--	--	--	1.2	--	--
250	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
250	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	1.2	--	--	--	1.2	--	--
250.1	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
250.1	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
250.2	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
250.2	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
250.2	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.2	--	--	--	0.2	--	--
250.3	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
250.3	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.8	--	--	--	0.8	--	--
250.4	Franklin County	16D	Edneytown-Sauratown complex, 15 to 25 percent slopes, very stony	0.3	--	0.3	--	--	--	0.3	--	0.3
250.4	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
250.4	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
250.4	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.4	--	--	--	0.4	--	--
250.5	Franklin County	16C	Edneytown-Sauratown complex, 8 to 15 percent slopes, very stony	0.0	--	0.0	--	--	--	0.0	--	0.0
250.5	Franklin County	16D	Edneytown-Sauratown complex, 15 to 25 percent slopes, very stony	1.5	--	1.5	--	--	--	1.5	--	1.5
250.5	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
250.6	Franklin County	16C	Edneytown-Sauratown complex, 8 to 15 percent slopes, very stony	1.4	--	1.4	--	--	--	1.4	--	1.4
250.6	Franklin County	16D	Edneytown-Sauratown complex, 15 to 25 percent slopes, very stony	0.0	--	0.0	--	--	--	0.0	--	0.0
250.6	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
250.7	Franklin County	16C	Edneytown-Sauratown complex, 8 to 15 percent slopes, very stony	1.3	--	1.3	--	--	--	1.3	--	1.3
250.7	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
250.8	Franklin County	16C	Edneytown-Sauratown complex, 8 to 15 percent slopes, very stony	1.4	--	1.4	--	--	--	1.4	--	1.4
250.8	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
250.9	Franklin County	16C	Edneytown-Sauratown complex, 8 to 15 percent slopes, very stony	1.5	--	1.5	--	--	--	1.5	--	1.5
250.9	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
251	Franklin County	16C	Edneytown-Sauratown complex, 8 to 15 percent slopes, very stony	0.8	--	0.8	--	--	--	0.8	--	0.8

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
251	Franklin County	16D	Edneytown-Sauratown complex, 15 to 25 percent slopes, very stony	0.6	--	0.6	--	--	--	0.6	--	0.6
251	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
251.1	Franklin County	16D	Edneytown-Sauratown complex, 15 to 25 percent slopes, very stony	1.4	--	1.4	--	--	--	1.4	--	1.4
251.1	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
251.2	Franklin County	16D	Edneytown-Sauratown complex, 15 to 25 percent slopes, very stony	0.8	--	0.8	--	--	--	0.8	--	0.8
251.2	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.8	--	--	--	0.8	--	0.8
251.3	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	1.5	--	--	--	1.5	--	1.5
251.4	Franklin County	14C	Cullasaja-Tuckasegee-Dellwood complex, 0 to 15 percent slopes, very stony	--	--	--	--	--	--	--	--	0.3
251.4	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.5	--	--	--	0.5	--	0.5
251.4	Franklin County	39C	Wintergreen loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
251.5	Franklin County	19D	Hayesville loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
251.5	Franklin County	39B	Wintergreen loam, 2 to 8 percent slopes	0.6	--	--	--	--	--	0.6	--	--
251.5	Franklin County	39C	Wintergreen loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
251.6	Franklin County	13D	Cullasaja-Tuckasegee complex, 15 to 25 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
251.6	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
251.6	Franklin County	39B	Wintergreen loam, 2 to 8 percent slopes	0.1	--	--	--	--	--	0.1	--	--
251.6	Franklin County	39C	Wintergreen loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
251.7	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.6	--	--	--	0.6	--	0.6
251.7	Franklin County	19C	Hayesville loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
251.8	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	1.3	--	--	--	1.3	--	1.3
251.8	Franklin County	19C	Hayesville loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
251.9	Franklin County	16C	Edneytown-Sauratown complex, 8 to 15 percent slopes, very stony	0.9	--	0.9	--	--	--	0.9	--	0.9
251.9	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.7	--	--	--	0.7	--	0.7
252	Franklin County	16C	Edneytown-Sauratown complex, 8 to 15 percent slopes, very stony	0.5	--	0.5	--	--	--	0.5	--	0.5
252	Franklin County	16D	Edneytown-Sauratown complex, 15 to 25 percent slopes, very stony	1.0	--	1.0	--	--	--	1.0	--	1.0
252	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
252.1	Franklin County	16D	Edneytown-Sauratown complex, 15 to 25 percent slopes, very stony	1.4	--	1.4	--	--	--	1.4	--	1.4
252.1	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
252.2	Franklin County	16C	Edneytown-Sauratown complex, 8 to 15 percent slopes, very stony	0.4	--	0.4	--	--	--	0.4	--	0.4
252.2	Franklin County	16D	Edneytown-Sauratown complex, 15 to 25 percent slopes, very stony	1.1	--	1.1	--	--	--	1.1	--	1.1
252.2	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
252.3	Franklin County	16C	Edneytown-Sauratown complex, 8 to 15 percent slopes, very stony	1.5	--	1.5	--	--	--	1.5	--	1.5
252.3	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.0	--	--	--	0.0	--	--
252.4	Franklin County	16C	Edneytown-Sauratown complex, 8 to 15 percent slopes, very stony	0.2	--	0.2	--	--	--	0.2	--	0.2
252.4	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
252.4	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.3	--	--	--	0.3	--	--
252.5	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
252.5	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.0	--	--	--	0.0	--	--
252.6	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
252.6	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.2	--	--	--	0.2	--	--
252.7	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.0	--	--	--	0.0	--	0.0
252.7	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
252.7	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	1.2	--	--	--	1.2	--	--
252.8	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
252.8	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
252.8	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.1	--	--	--	0.1	--	--
252.9	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.4	--	--	--	0.4	--	0.4
252.9	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
253	Franklin County	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.4	--	--	--	0.4	--	0.4
253	Franklin County	23A	Iotla-Maggodee-Colescreek complex, 0 to 4 percent slopes	0.5	--	--	--	--	--	--	--	--
253	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
253	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.4	--	--	--	0.4	--	--
253.1	Franklin County	23A	Iotla-Maggodee-Colescreek complex, 0 to 4 percent slopes	0.0	--	--	--	--	--	--	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
253.1	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
253.1	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
253.2	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
253.2	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
253.3	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
253.4	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
253.4	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.6	--	--	--	0.6	--	--
253.5	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
253.5	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.6	--	--	--	0.6	--	--
253.6	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
253.6	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
253.7	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
253.7	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
253.8	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
253.8	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
253.8	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.5	--	--	--	0.5	--	--
253.9	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.6	--	--	--	--	--	--	--	--
253.9	Franklin County	39C	Wintergreen loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
253.9	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.1	--	--	--	0.1	--	--
254	Franklin County	39C	Wintergreen loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
254	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
254.1	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
254.1	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
254.2	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
254.2	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.0	--	--	--	0.0	--	--
254.3	Franklin County	39C	Wintergreen loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
254.3	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
254.3	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.3	--	--	--	0.3	--	--
254.4	Franklin County	39C	Wintergreen loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
254.4	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
254.4	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.0	--	--	--	0.0	--	--
254.5	Franklin County	39C	Wintergreen loam, 8 to 15 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
254.5	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
254.5	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
254.5	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.2	--	--	--	0.2	--	--
254.6	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
254.6	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	1.1	--	--	--	1.1	--	--
254.7	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
254.7	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
254.7	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.2	--	--	--	0.2	--	--
254.8	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
254.8	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
254.8	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.1	--	--	--	0.1	--	--
254.9	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
254.9	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
254.9	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.2	--	--	--	0.2	--	--
255	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
255	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.5	--	--	--	0.5	--	--
255.1	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
255.1	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
255.1	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.7	--	--	--	0.7	--	--
255.2	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
255.2	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
255.2	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.2	--	--	--	0.2	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
255.3	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
255.3	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
255.3	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.7	--	--	--	0.7	--	--
255.4	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
255.4	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.3	--	--	--	0.3	--	--
255.5	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
255.5	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	1.1	--	--	--	1.1	--	--
255.6	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.0	--	--	--	--	--	--	--	--
255.6	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	1.5	--	--	--	1.5	--	--
255.7	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.4	--	--	--	--	--	--	--	--
255.7	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.7	--	--	--	0.7	--	--
255.8	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.5	--	--	--	--	--	--	--	--
255.8	Franklin County	39C	Wintergreen loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
255.9	Franklin County	39C	Wintergreen loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
256	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.4	--	--	--	--	--	--	--	--
256	Franklin County	39B	Wintergreen loam, 2 to 8 percent slopes	0.0	--	--	--	--	--	0.0	--	--
256	Franklin County	39C	Wintergreen loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
256	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
256.1	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.3	--	--	--	--	--	--	--	--
256.1	Franklin County	39C	Wintergreen loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
256.1	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
256.2	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	1.2	--	--	--	--	--	--	--	--
256.2	Franklin County	39D	Wintergreen loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
256.2	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
256.3	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	1.2	--	--	--	--	--	--	--	--
256.3	Franklin County	39D	Wintergreen loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
256.4	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.7	--	--	--	--	--	--	--	--
256.4	Franklin County	39C	Wintergreen loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
256.4	Franklin County	39D	Wintergreen loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
256.5	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.5	--	--	--	--	--	--	--	--
256.5	Franklin County	39C	Wintergreen loam, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
256.5	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
256.6	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	1.5	--	--	--	--	--	--	--	--
256.6	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
256.7	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.5	--	--	--	--	--	--	--	--
256.7	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.6	--	--	--	0.6	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
256.8	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.3	--	--	--	--	--	--	--	--
256.8	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	1.2	--	--	--	1.2	--	--
256.9	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.3	--	--	--	--	--	--	--	--
256.9	Franklin County	15E	Drapermill gravelly loam, 25 to 60 percent slopes	--	--	0.6	--	--	--	0.6	--	--
256.9	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.5	--	--	--	0.5	--	--
257	Franklin County	15E	Drapermill gravelly loam, 25 to 60 percent slopes	--	--	0.2	--	--	--	0.2	--	--
257	Franklin County	26C	Littlejoe-Strawfield-Penhook complex, 8 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
257.1	Franklin County	15E	Drapermill gravelly loam, 25 to 60 percent slopes	--	--	0.0	--	--	--	0.0	--	--
257.1	Franklin County	26C	Littlejoe-Strawfield-Penhook complex, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
257.2	Franklin County	15E	Drapermill gravelly loam, 25 to 60 percent slopes	--	--	0.7	--	--	--	0.7	--	--
257.2	Franklin County	26C	Littlejoe-Strawfield-Penhook complex, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
257.3	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.0	--	--	--	--	--	--	--	--
257.3	Franklin County	15E	Drapermill gravelly loam, 25 to 60 percent slopes	--	--	0.9	--	--	--	0.9	--	--
257.3	Franklin County	26C	Littlejoe-Strawfield-Penhook complex, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
257.4	Franklin County	15E	Drapermill gravelly loam, 25 to 60 percent slopes	--	--	0.8	--	--	--	0.8	--	--
257.4	Franklin County	26C	Littlejoe-Strawfield-Penhook complex, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
257.5	Franklin County	15E	Drapermill gravelly loam, 25 to 60 percent slopes	--	--	0.2	--	--	--	0.2	--	--
257.5	Franklin County	26C	Littlejoe-Strawfield-Penhook complex, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
257.5	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
257.6	Franklin County	15E	Drapermill gravelly loam, 25 to 60 percent slopes	--	--	0.0	--	--	--	0.0	--	--
257.6	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
257.7	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.0	--	--	--	--	--	--	--	--
257.7	Franklin County	15E	Drapermill gravelly loam, 25 to 60 percent slopes	--	--	0.3	--	--	--	0.3	--	--
257.7	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
257.7	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
257.8	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.3	--	--	--	--	--	--	--	--
257.8	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
257.9	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.8	--	--	--	--	--	--	--	--
257.9	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
257.9	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.4	--	--	--	0.4	--	--
258	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.6	--	--	--	--	--	--	--	--
258	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
258	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
258.1	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
258.1	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
258.2	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.1	--	--	--	--	--	--	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
258.2	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
258.2	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	1.3	--	--	--	1.3	--	--
258.3	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.3	--	--	--	--	--	--	--	--
258.3	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
258.3	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.8	--	--	--	0.8	--	--
258.4	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.0	--	--	--	--	--	--	--	--
258.4	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
258.4	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
258.5	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.5	--	--	--	--	--	--	--	--
258.5	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
258.5	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
258.5	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.5	--	--	--	0.5	--	--
258.6	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
258.6	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
258.6	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.3	--	--	--	0.3	--	--
258.7	Franklin County	7B	Clifford fine sandy loam, 2 to 8 percent slopes	0.7	--	--	--	--	--	0.7	--	--
258.7	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
258.7	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
258.7	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.0	--	--	--	0.0	--	--
258.8	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
258.8	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
258.8	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	1.0	--	--	--	1.0	--	--
258.9	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
258.9	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.3	--	--	--	0.3	--	--
259	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
259	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	1.0	--	--	--	1.0	--	--
259.1	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
259.1	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.5	--	--	--	0.5	--	--
259.2	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
259.3	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.2	--	--	--	--	--	--	--	--
259.3	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
259.3	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.3	--	--	--	0.3	--	--
259.4	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.6	--	--	--	--	--	--	--	--
259.4	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.6	--	--	--	0.6	--	--
259.5	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.0	--	--	--	--	--	--	--	--
259.5	Franklin County	39C	Wintergreen loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
259.5	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	1.3	--	--	--	1.3	--	--
259.6	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.0	--	--	--	--	--	--	--	--
259.6	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
259.6	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	1.3	--	--	--	1.3	--	--
259.7	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
259.7	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.0	--	--	--	0.0	--	--
259.8	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.0	--	--	--	--	--	--	--	--
259.8	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
259.8	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.8	--	--	--	0.8	--	--
259.9	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	1.3	--	--	--	--	--	--	--	--
259.9	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
259.9	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.0	--	--	--	0.0	--	--
260	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	1.5	--	--	--	--	--	--	--	--
260	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
260.1	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	1.3	--	--	--	--	--	--	--	--
260.2	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	1.5	--	--	--	--	--	--	--	--
260.3	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	1.4	--	--	--	--	--	--	--	--
260.3	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.2	--	--	--	0.2	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
260.4	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.0	--	--	--	--	--	--	--	--
260.4	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
260.4	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.7	--	--	--	0.7	--	--
260.5	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
260.6	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.6	--	1.6	--	--	--	1.6	--	--
260.6	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.0	--	--	--	0.0	--	--
260.7	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.3	--	--	--	--	--	--	--	--
260.7	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
260.7	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.7	--	--	--	0.7	--	--
260.8	Franklin County	10B	Colescreek-Delanco complex, 2 to 8 percent slopes, rarely flooded	0.2	0.2	--	--	--	--	--	--	--
260.8	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.6	--	--	--	--	--	--	--	--
260.8	Franklin County	17B	Elsinboro-Colescreek complex, 2 to 8 percent slopes, rarely flooded	0.3	--	--	--	--	--	--	--	--
260.8	Franklin County	W	Water	--	--	--	--	--	--	0.1	--	--
260.9	Franklin County	10B	Colescreek-Delanco complex, 2 to 8 percent slopes, rarely flooded	0.5	0.5	--	--	--	--	--	--	--
260.9	Franklin County	39C	Wintergreen loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
260.9	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
261	Franklin County	39B	Wintergreen loam, 2 to 8 percent slopes	1.3	--	--	--	--	--	1.3	--	--
261	Franklin County	39C	Wintergreen loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
261	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
261.1	Franklin County	39B	Wintergreen loam, 2 to 8 percent slopes	1.1	--	--	--	--	--	1.1	--	--
261.1	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
261.2	Franklin County	39B	Wintergreen loam, 2 to 8 percent slopes	1.4	--	--	--	--	--	1.4	--	--
261.2	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
261.3	Franklin County	39B	Wintergreen loam, 2 to 8 percent slopes	1.0	--	--	--	--	--	1.0	--	--
261.3	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
261.4	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
261.4	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
261.5	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
261.6	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
261.6	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
261.7	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
261.7	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
261.7	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.4	--	--	--	0.4	--	--
261.8	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
261.8	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
261.8	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.5	--	--	--	0.5	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
261.9	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
261.9	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
261.9	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.0	--	--	--	0.0	--	--
262	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.6	--	1.6	--	--	--	1.6	--	--
262.1	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
262.1	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.4	--	--	--	0.4	--	--
262.2	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.2	--	--	--	--	--	--	--	--
262.2	Franklin County	39D	Wintergreen loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
262.2	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
262.2	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	1.1	--	--	--	1.1	--	--
262.3	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.7	--	--	--	--	--	--	--	--
262.3	Franklin County	39D	Wintergreen loam, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
262.4	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.7	--	--	--	--	--	--	--	--
262.4	Franklin County	39D	Wintergreen loam, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
262.5	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.5	--	--	--	--	--	--	--	--
262.5	Franklin County	39D	Wintergreen loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
262.6	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.2	--	--	--	--	--	--	--	--
262.6	Franklin County	39C	Wintergreen loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
262.6	Franklin County	39D	Wintergreen loam, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
262.7	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.0	--	--	--	--	--	--	--	--
262.7	Franklin County	17B	Elsinboro-Colescreek complex, 2 to 8 percent slopes, rarely flooded	0.7	--	--	--	--	--	--	--	--
262.7	Franklin County	39C	Wintergreen loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
262.7	Franklin County	39D	Wintergreen loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
262.7	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
262.8	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.4	--	--	--	--	--	--	--	--
262.8	Franklin County	17B	Elsinboro-Colescreek complex, 2 to 8 percent slopes, rarely flooded	0.2	--	--	--	--	--	--	--	--
262.8	Franklin County	21F	Hickoryknob-Rhodhiss complex, 45 to 75 percent slopes, rocky	--	--	0.6	--	--	--	0.6	--	0.6
262.8	Franklin County	W	Water	--	--	--	--	--	--	0.2	--	--
262.9	Franklin County	21F	Hickoryknob-Rhodhiss complex, 45 to 75 percent slopes, rocky	--	--	0.9	--	--	--	0.9	--	0.9
262.9	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
263	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
263	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
263	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	1.2	--	--	--	1.2	--	--
263.1	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
263.1	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.1	--	--	--	0.1	--	--
263.2	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
263.2	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.1	--	--	--	0.1	--	--
263.3	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.5	--	--	--	--	--	--	--	--
263.3	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
263.3	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.5	--	--	--	0.5	--	--
263.3	Franklin County	W	Water	--	--	--	--	--	--	0.1	--	--
263.4	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
263.4	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	1.0	--	--	--	1.0	--	--
263.5	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
263.5	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.4	--	--	--	0.4	--	--
263.6	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
263.7	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
263.8	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
263.9	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.6	--	1.6	--	--	--	1.6	--	--
264	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
264.1	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
264.1	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	1.0	--	--	--	1.0	--	--
264.2	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
264.2	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.6	--	--	--	0.6	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
264.3	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
264.3	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	1.3	--	--	--	1.3	--	--
264.4	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	1.3	--	--	--	1.3	--	--
264.5	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
264.5	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.7	--	--	--	0.7	--	--
264.6	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
264.6	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
264.7	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
264.7	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
264.8	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
264.9	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
265	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
265	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
265.1	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
265.1	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
265.2	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
265.2	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
265.3	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
265.4	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
265.4	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
265.5	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
265.5	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
265.5	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.4	--	--	--	0.4	--	--
265.6	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
265.6	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.2	--	--	--	0.2	--	--
265.7	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
265.7	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
265.8	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
265.8	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
265.9	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
265.9	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
266	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
266	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
266.1	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
266.1	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.8	--	--	--	0.8	--	--
266.2	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
266.2	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	1.0	--	--	--	1.0	--	--
266.3	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
266.3	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	1.5	--	--	--	1.5	--	--
266.4	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
266.4	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.0	--	--	--	0.0	--	--
266.5	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
266.5	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.7	--	--	--	0.7	--	--
266.6	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.8	--	--	--	--	--	--	--	--
266.6	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
266.6	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.3	--	--	--	0.3	--	--
266.6	Franklin County	W	Water	--	--	--	--	--	--	0.1	--	--
266.7	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.3	--	--	--	--	--	--	--	--
266.7	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
266.7	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
266.8	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.0	--	--	--	--	--	--	--	--
266.8	Franklin County	39C	Wintergreen loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
266.8	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
266.8	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
266.9	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.3	--	--	--	--	--	--	--	--
266.9	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
266.9	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
266.9	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.5	--	--	--	0.5	--	--
266.9	Franklin County	W	Water	--	--	--	--	--	--	0.1	--	--
267	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
267	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.0	--	--	--	0.0	--	--
267.1	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
267.2	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
267.3	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
267.3	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
267.4	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
267.4	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
267.5	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
267.5	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
267.6	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
267.6	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
267.7	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
267.8	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
267.8	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
267.9	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
268	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
268.1	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
268.2	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
268.3	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
268.4	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
268.5	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
268.5	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
268.6	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
268.6	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
268.7	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
268.8	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
268.8	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
268.9	Franklin County	7B	Clifford fine sandy loam, 2 to 8 percent slopes	0.2	--	--	--	--	--	0.2	--	--
268.9	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
268.9	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
269	Franklin County	7B	Clifford fine sandy loam, 2 to 8 percent slopes	1.2	--	--	--	--	--	1.2	--	--
269	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
269.1	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
269.2	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
269.2	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
269.3	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
269.3	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
269.4	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
269.4	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
269.5	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.1	--	--	--	--	--	--	--	--
269.5	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
269.6	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.4	--	--	--	--	--	--	--	--
269.6	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
269.6	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
269.7	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
269.7	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
269.8	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
269.8	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
269.9	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
270	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
270.1	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
270.1	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
270.2	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
270.2	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
270.3	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
270.3	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
270.4	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
270.4	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
270.5	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
270.5	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
270.6	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
270.6	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
270.7	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
270.7	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
270.8	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
270.8	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
270.8	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.5	--	--	--	0.5	--	--
270.9	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
270.9	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.2	--	--	--	0.2	--	--
271	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
271	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.2	--	--	--	0.2	--	--
271.1	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
271.1	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.0	--	--	--	0.0	--	--
271.2	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
271.2	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	1.0	--	--	--	1.0	--	--
271.3	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
271.3	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.5	--	--	--	0.5	--	--
271.4	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
271.4	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	1.0	--	--	--	1.0	--	--
271.5	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
271.5	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
271.5	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.8	--	--	--	0.8	--	--
271.6	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
271.6	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.0	--	--	--	0.0	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
271.7	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
271.8	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
271.9	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
272	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
272	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
272.1	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
272.1	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
272.2	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
272.2	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
272.3	Franklin County	24C	Jackland-Mirerock-Redbrush complex, 8 to 15 percent slopes	--	--	0.7	--	--	--	0.7	--	--
272.3	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
272.3	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
272.4	Franklin County	24C	Jackland-Mirerock-Redbrush complex, 8 to 15 percent slopes	--	--	0.5	--	--	--	0.5	--	--
272.4	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
272.4	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
272.5	Franklin County	27C	Minnieville loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
272.5	Franklin County	27D	Minnieville loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
272.5	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
272.5	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
272.6	Franklin County	27C	Minnieville loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
272.7	Franklin County	27B	Minnieville loam, 2 to 8 percent slopes	0.8	--	--	--	--	--	0.8	--	--
272.7	Franklin County	27C	Minnieville loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
272.7	Franklin County	7B	Clifford fine sandy loam, 2 to 8 percent slopes	0.3	--	--	--	--	--	0.3	--	--
272.7	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
272.8	Franklin County	7B	Clifford fine sandy loam, 2 to 8 percent slopes	0.1	--	--	--	--	--	0.1	--	--
272.8	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
272.9	Franklin County	27C	Minnieville loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
272.9	Franklin County	7B	Clifford fine sandy loam, 2 to 8 percent slopes	0.5	--	--	--	--	--	0.5	--	--
272.9	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
272.9	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
273	Franklin County	27C	Minnieville loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
273.1	Franklin County	27C	Minnieville loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
273.2	Franklin County	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.3	--	--	--	--	--	--	--	--
273.2	Franklin County	27C	Minnieville loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
273.2	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
273.3	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
273.3	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
273.4	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
273.5	Franklin County	7B	Clifford fine sandy loam, 2 to 8 percent slopes	1.0	--	--	--	--	--	1.0	--	--
273.5	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
273.6	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
273.6	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
273.7	Franklin County	28D	Minnieville-Orenda-Redbrush complex, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
273.7	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
273.8	Franklin County	28C	Minnieville-Orenda-Redbrush complex, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
273.8	Franklin County	28D	Minnieville-Orenda-Redbrush complex, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
273.9	Franklin County	28C	Minnieville-Orenda-Redbrush complex, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
273.9	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
274	Franklin County	28C	Minnieville-Orenda-Redbrush complex, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
274	Franklin County	28D	Minnieville-Orenda-Redbrush complex, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
274	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
274.1	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
274.2	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
274.3	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
274.3	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
274.4	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
274.4	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
274.5	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
274.5	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
274.5	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.3	--	--	--	0.3	--	--
274.6	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
274.6	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.7	--	--	--	0.7	--	--
274.7	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
274.7	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
274.8	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
274.9	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
274.9	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
274.9	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.6	--	--	--	0.6	--	--
275	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
275	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
275	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.3	--	--	--	0.3	--	--
275.1	Franklin County	28D	Minnieville-Orenda-Redbrush complex, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
275.1	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
275.1	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
275.1	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.0	--	--	--	0.0	--	--
275.2	Franklin County	28C	Minnieville-Orenda-Redbrush complex, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
275.2	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
275.2	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
275.2	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.6	--	--	--	0.6	--	--
275.3	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
275.3	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
275.4	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
275.4	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
275.4	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.6	--	--	--	0.6	--	--
275.5	Franklin County	24C	Jackland-Mirerock-Redbrush complex, 8 to 15 percent slopes	--	--	0.0	--	--	--	0.0	--	--
275.5	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
275.5	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
275.6	Franklin County	24C	Jackland-Mirerock-Redbrush complex, 8 to 15 percent slopes	--	--	0.0	--	--	--	0.0	--	--
275.6	Franklin County	3D	Bluemount-Redbrush-Spriggs complex, 15 to 25 percent slopes, stony	--	--	0.2	--	--	--	0.2	--	0.2

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
275.6	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
275.6	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
275.7	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
275.7	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
275.8	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
275.8	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
275.9	Franklin County	3D	Bluemount-Redbrush-Spriggs complex, 15 to 25 percent slopes, stony	--	--	0.5	--	--	--	0.5	--	0.5
275.9	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
275.9	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
276	Franklin County	3D	Bluemount-Redbrush-Spriggs complex, 15 to 25 percent slopes, stony	--	--	0.2	--	--	--	0.2	--	0.2
276	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
276	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.6	--	--	--	0.6	--	--
276.1	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
276.2	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
276.2	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.5	--	--	--	0.5	--	--
276.3	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
276.3	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
276.4	Franklin County	24C	Jackland-Mirerock-Redbrush complex, 8 to 15 percent slopes	--	--	0.5	--	--	--	0.5	--	--
276.4	Franklin County	3D	Bluemount-Redbrush-Spriggs complex, 15 to 25 percent slopes, stony	--	--	0.0	--	--	--	0.0	--	0.0
276.4	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
276.4	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
276.4	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.3	--	--	--	0.3	--	--
276.5	Franklin County	24B	Jackland-Mirerock-Redbrush complex, 2 to 8 percent slopes	--	0.7	--	--	--	--	0.7	--	--
276.5	Franklin County	24C	Jackland-Mirerock-Redbrush complex, 8 to 15 percent slopes	--	--	0.7	--	--	--	0.7	--	--
276.5	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.2	--	--	--	0.2	--	--
276.6	Franklin County	24B	Jackland-Mirerock-Redbrush complex, 2 to 8 percent slopes	--	0.9	--	--	--	--	0.9	--	--
276.6	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
276.6	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
276.7	Franklin County	3D	Bluemount-Redbrush-Spriggs complex, 15 to 25 percent slopes, stony	--	--	0.0	--	--	--	0.0	--	0.0
276.7	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
276.7	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
276.8	Franklin County	28C	Minnieville-Orenda-Redbrush complex, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
276.8	Franklin County	3D	Bluemount-Redbrush-Spriggs complex, 15 to 25 percent slopes, stony	--	--	0.4	--	--	--	0.4	--	0.4
276.8	Franklin	7D	Clifford fine sandy loam, 15 to 25	0.1	--	0.1	--	--	--	0.1	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
	County		percent slopes									
276.9	Franklin County	28C	Minnieville-Orenda-Redbrush complex, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
276.9	Franklin County	28D	Minnieville-Orenda-Redbrush complex, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
277	Franklin County	24C	Jackland-Mirerock-Redbrush complex, 8 to 15 percent slopes	--	--	0.6	--	--	--	0.6	--	--
277	Franklin County	28C	Minnieville-Orenda-Redbrush complex, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
277	Franklin County	28D	Minnieville-Orenda-Redbrush complex, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
277	Franklin County	4E	Bluemount-Spriggs complex, 25 to 45 percent slopes, stony	--	--	0.2	--	--	--	0.2	--	0.2
277.1	Franklin County	24C	Jackland-Mirerock-Redbrush complex, 8 to 15 percent slopes	--	--	0.1	--	--	--	0.1	--	--
277.1	Franklin County	28D	Minnieville-Orenda-Redbrush complex, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
277.1	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
277.1	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.1	--	--	--	0.1	--	--
277.2	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
277.2	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
277.2	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.5	--	--	--	0.5	--	--
277.3	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
277.3	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.2	--	--	--	0.2	--	--
277.4	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
277.4	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
277.5	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
277.5	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
277.6	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
277.6	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
277.7	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
277.7	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
277.7	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.0	--	--	--	0.0	--	--
277.8	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
277.8	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.5	--	--	--	0.5	--	--
277.9	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
277.9	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.4	--	--	--	0.4	--	--
278	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
278	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.5	--	--	--	0.5	--	--
278.1	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
278.1	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
278.1	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.8	--	--	--	0.8	--	--
278.2	Franklin County	7B	Clifford fine sandy loam, 2 to 8 percent slopes	0.1	--	--	--	--	--	0.1	--	--
278.2	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
278.2	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
278.3	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
278.3	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
278.4	Franklin County	7B	Clifford fine sandy loam, 2 to 8 percent slopes	0.9	--	--	--	--	--	0.9	--	--
278.4	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
278.4	Franklin County	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
278.5	Franklin County	7B	Clifford fine sandy loam, 2 to 8 percent slopes	0.6	--	--	--	--	--	0.6	--	--
278.5	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
278.5	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.0	--	--	--	0.0	--	--
278.6	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
278.6	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.7	--	--	--	0.7	--	--
278.7	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
278.7	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.6	--	--	--	0.6	--	--
278.8	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
278.8	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.4	--	--	--	0.4	--	--
278.9	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
278.9	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.7	--	--	--	0.7	--	--
279	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
279	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	1.0	--	--	--	1.0	--	--
279.1	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
279.1	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.0	--	--	--	0.0	--	--
279.2	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
279.2	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	1.1	--	--	--	1.1	--	--
279.3	Franklin County	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
279.3	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	1.5	--	--	--	1.5	--	--
279.4	Franklin County	15E	Drapermill gravelly loam, 25 to 60 percent slopes	--	--	0.2	--	--	--	0.2	--	--
279.4	Franklin County	26C	Littlejoe-Strawfield-Penhook complex, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
279.4	Franklin County	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.6	--	--	--	0.6	--	--
279.5	Franklin County	15E	Drapermill gravelly loam, 25 to 60 percent slopes	--	--	0.6	--	--	--	0.6	--	--
279.5	Franklin County	26C	Littlejoe-Strawfield-Penhook complex, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
279.6	Franklin County	15E	Drapermill gravelly loam, 25 to 60 percent slopes	--	--	1.4	--	--	--	1.4	--	--
279.6	Franklin County	26C	Littlejoe-Strawfield-Penhook complex, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
279.7	Franklin County	15E	Drapermill gravelly loam, 25 to 60 percent slopes	--	--	0.4	--	--	--	0.4	--	--
279.7	Franklin County	26C	Littlejoe-Strawfield-Penhook complex, 8 to 15 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
279.8	Franklin County	26C	Littlejoe-Strawfield-Penhook complex, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
279.8	Franklin County	26D	Littlejoe-Strawfield-Penhook complex, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
279.9	Franklin County	26C	Littlejoe-Strawfield-Penhook complex, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
279.9	Franklin County	26D	Littlejoe-Strawfield-Penhook complex, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
280	Franklin County	26C	Littlejoe-Strawfield-Penhook complex, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
280	Franklin County	26D	Littlejoe-Strawfield-Penhook complex, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
280.1	Franklin County	26C	Littlejoe-Strawfield-Penhook complex, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
280.1	Franklin County	26D	Littlejoe-Strawfield-Penhook complex, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
280.2	Franklin County	15E	Drapermill gravelly loam, 25 to 60 percent slopes	--	--	1.2	--	--	--	1.2	--	--
280.2	Franklin County	26C	Littlejoe-Strawfield-Penhook complex, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
280.2	Franklin County	26D	Littlejoe-Strawfield-Penhook complex, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
280.3	Franklin County	26C	Littlejoe-Strawfield-Penhook complex, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
280.4	Franklin County	26C	Littlejoe-Strawfield-Penhook complex, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
280.4	Franklin County	26D	Littlejoe-Strawfield-Penhook complex, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
280.5	Franklin County	26C	Littlejoe-Strawfield-Penhook complex, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
280.5	Franklin County	26D	Littlejoe-Strawfield-Penhook complex, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
280.6	Franklin County	26C	Littlejoe-Strawfield-Penhook complex, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
280.6	Franklin County	26D	Littlejoe-Strawfield-Penhook complex, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
280.6	Franklin County	27D	Minnieville loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
280.7	Franklin County	26D	Littlejoe-Strawfield-Penhook complex, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
280.7	Franklin County	27C	Minnieville loam, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
280.7	Franklin County	27D	Minnieville loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
280.8	Franklin County	27C	Minnieville loam, 8 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
280.9	Franklin County	27C	Minnieville loam, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
280.9	Franklin County	27D	Minnieville loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
280.9	Franklin County	28D	Minnieville-Orenda-Redbrush complex, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
281	Franklin County	24B	Jackland-Mirerock-Redbrush complex, 2 to 8 percent slopes	--	0.0	--	--	--	--	0.0	--	--
281	Franklin County	24C	Jackland-Mirerock-Redbrush complex, 8 to 15 percent slopes	--	--	1.2	--	--	--	1.2	--	--
281	Franklin County	28D	Minnieville-Orenda-Redbrush complex, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
281.1	Pittsylvania	12B	Enott fine sandy loam, 2 to 7 percent slopes	0.2	--	--	--	--	--	0.2	--	--
281.1	Pittsylvania	12C	Enott fine sandy loam, 7 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
281.1	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
281.1	Pittsylvania	24B	Jackland-Mirerock-Redbrush complex, 2 to 8 percent slopes	--	0.3	--	--	--	--	0.3	--	--
281.1	Pittsylvania	24C	Jackland-Mirerock-Redbrush complex, 8 to 15 percent slopes	--	--	0.1	--	--	--	0.1	--	--
281.1	Pittsylvania	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
281.2	Pittsylvania	12B	Enott fine sandy loam, 2 to 7 percent slopes	1.1	--	--	--	--	--	1.1	--	--
281.2	Pittsylvania	12C	Enott fine sandy loam, 7 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
281.3	Pittsylvania	11B3	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	0.5	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
281.3	Pittsylvania	12B	Enott fine sandy loam, 2 to 7 percent slopes	0.8	--	--	--	--	--	0.8	--	--
281.3	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
281.4	Pittsylvania	11B3	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	0.7	--	--
281.4	Pittsylvania	11C3	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	0.6	--	--	--	0.6	--	--
281.4	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
281.5	Pittsylvania	11B3	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	0.4	--	--
281.5	Pittsylvania	11C3	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	1.1	--	--	--	1.1	--	--
281.5	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
281.6	Pittsylvania	11C3	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	0.1	--	--	--	0.1	--	--
281.6	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
281.7	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
281.7	Pittsylvania	26D	Pacolet fine sandy loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
281.7	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	0.2	--	--	--	--	--	0.2	--	--
281.7	Pittsylvania	4C	Cecil sandy loam, 7 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
281.8	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
281.8	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	0.8	--	--	--	--	--	0.8	--	--
281.8	Pittsylvania	4C	Cecil sandy loam, 7 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
281.9	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
281.9	Pittsylvania	4C	Cecil sandy loam, 7 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
281.9	Pittsylvania	8A	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	--	--	--	--	--	--	--	--	--
282	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
282	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.0	--	--	--	--	--	0.0	--	--
282	Pittsylvania	8A	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	--	--	--	--	--	--	--	--	--
282.1	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
282.1	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.1	--	--	--	--	--	0.1	--	--
282.2	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
282.2	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.6	--	--	--	--	--	0.6	--	--
282.3	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	1.3	--	--	--	--	--	1.3	--	--
282.3	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.3	--	--	--	--	--	0.3	--	--
282.4	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
282.4	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	1.1	--	--	--	--	--	1.1	--	--
282.4	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.4	--	--	--	--	--	0.4	--	--
282.5	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
282.5	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.4	--	--	--	--	--	0.4	--	--
282.6	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
282.6	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.7	--	--	--	--	--	0.7	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
282.6	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.5	--	--	--	--	--	0.5	--	--
282.7	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
282.7	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.5	--	--	--	--	--	0.5	--	--
282.8	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
282.8	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.3	--	--	--	--	--	0.3	--	--
282.9	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
282.9	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.2	--	--	--	--	--	0.2	--	--
283	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	1.2	--	--	--	--	--	1.2	--	--
283	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.2	--	--	--	--	--	0.2	--	--
283.1	Pittsylvania	11C3	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	0.1	--	--	--	0.1	--	--
283.1	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.3	--	--	--	--	--	1.3	--	--
283.2	Pittsylvania	11B3	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	0.4	--	--
283.2	Pittsylvania	11C3	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	1.0	--	--	--	1.0	--	--
283.2	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.0	--	--	--	--	--	0.0	--	--
283.3	Pittsylvania	11C3	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
283.4	Pittsylvania	11C3	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	1.5	--	--	--	1.5	--	--
283.5	Pittsylvania	11B3	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	0.1	--	--
283.5	Pittsylvania	11C3	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	1.1	--	--	--	1.1	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
283.5	Pittsylvania	21E	Madison fine sandy loam, 25 to 45 percent slopes	--	--	0.1	--	--	--	0.1	--	--
283.6	Pittsylvania	11B3	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	0.7	--	--
283.6	Pittsylvania	11C3	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	0.8	--	--	--	0.8	--	--
283.7	Pittsylvania	11C3	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	0.5	--	--	--	0.5	--	--
283.7	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
283.8	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
283.8	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.6	--	--	--	--	--	0.6	--	--
283.8	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.3	--	--	--	--	--	0.3	--	--
283.9	Pittsylvania	4C	Cecil sandy loam, 7 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
283.9	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.4	--	--	--	--	--	0.4	--	--
283.9	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.2	--	--	--	--	--	0.2	--	--
284	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.5	--	--	--	--	--	1.5	--	--
284.1	Pittsylvania	11B3	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	0.4	--	--
284.1	Pittsylvania	21E	Madison fine sandy loam, 25 to 45 percent slopes	--	--	0.2	--	--	--	0.2	--	--
284.1	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.8	--	--	--	--	--	0.8	--	--
284.2	Pittsylvania	21E	Madison fine sandy loam, 25 to 45 percent slopes	--	--	1.0	--	--	--	1.0	--	--
284.3	Pittsylvania	21E	Madison fine sandy loam, 25 to 45 percent slopes	--	--	1.3	--	--	--	1.3	--	--
284.4	Pittsylvania	21E	Madison fine sandy loam, 25 to 45 percent slopes	--	--	0.2	--	--	--	0.2	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
284.4	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	1.3	--	--	--	--	--	1.3	--	--
284.5	Pittsylvania	21E	Madison fine sandy loam, 25 to 45 percent slopes	--	--	0.2	--	--	--	0.2	--	--
284.5	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.9	--	--	--	--	--	0.9	--	--
284.5	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.4	--	--	--	--	--	0.4	--	--
284.6	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	1.1	--	--	--	--	--	1.1	--	--
284.6	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.4	--	--	--	--	--	0.4	--	--
284.7	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
284.7	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.6	--	--	--	--	--	0.6	--	--
284.7	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.8	--	--	--	--	--	0.8	--	--
284.8	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
284.8	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.5	--	--	--	--	--	0.5	--	--
284.9	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
284.9	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.4	--	--	--	--	--	0.4	--	--
285	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
285	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.6	--	--	--	--	--	0.6	--	--
285.1	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
285.1	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.8	--	--	--	--	--	0.8	--	--
285.1	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.8	--	--	--	--	--	0.8	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
285.2	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
285.2	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.3	--	--	--	--	--	0.3	--	--
285.3	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
285.3	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.8	--	--	--	--	--	0.8	--	--
285.4	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
285.4	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	1.1	--	--	--	--	--	1.1	--	--
285.5	Pittsylvania	18C3	Hiwassee clay loam, 7 to 15 percent slopes, severely eroded	--	--	0.1	--	--	--	0.1	--	--
285.5	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	1.4	--	--	--	--	--	1.4	--	--
285.6	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
285.6	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	1.5	--	--	--	--	--	1.5	--	--
285.7	Pittsylvania	18B3	Hiwassee clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	1.2	--	--
285.7	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
285.7	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.3	--	--	--	--	--	0.3	--	--
285.8	Pittsylvania	18B3	Hiwassee clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	1.5	--	--
285.9	Pittsylvania	18B3	Hiwassee clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	1.5	--	--
286	Pittsylvania	18B3	Hiwassee clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	1.4	--	--
286	Pittsylvania	18C3	Hiwassee clay loam, 7 to 15 percent slopes, severely eroded	--	--	0.1	--	--	--	0.1	--	--
286	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
286.1	Pittsylvania	18B3	Hiwassee clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	0.2	--	--
286.1	Pittsylvania	18C3	Hiwassee clay loam, 7 to 15 percent slopes, severely eroded	--	--	1.3	--	--	--	1.3	--	--
286.1	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
286.2	Pittsylvania	18B3	Hiwassee clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	1.5	--	--
286.3	Pittsylvania	18B3	Hiwassee clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	0.8	--	--
286.3	Pittsylvania	21E	Madison fine sandy loam, 25 to 45 percent slopes	--	--	0.5	--	--	--	0.5	--	--
286.3	Pittsylvania	W	Water	--	--	--	--	--	--	0.1	--	--
286.4	Pittsylvania	21E	Madison fine sandy loam, 25 to 45 percent slopes	--	--	0.8	--	--	--	0.8	--	--
286.4	Pittsylvania	38A	Toccoa fine sandy loam, 0 to 2 percent slopes, occasionally flooded	0.4	--	--	--	--	--	--	--	--
286.4	Pittsylvania	W	Water	--	--	--	--	--	--	0.0	--	--
286.5	Pittsylvania	18B3	Hiwassee clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	0.6	--	--
286.5	Pittsylvania	21E	Madison fine sandy loam, 25 to 45 percent slopes	--	--	0.8	--	--	--	0.8	--	--
286.6	Pittsylvania	11B3	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	0.4	--	--
286.6	Pittsylvania	21E	Madison fine sandy loam, 25 to 45 percent slopes	--	--	1.0	--	--	--	1.0	--	--
286.7	Pittsylvania	11B3	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	0.3	--	--
286.7	Pittsylvania	11C3	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	0.7	--	--	--	0.7	--	--
286.7	Pittsylvania	21E	Madison fine sandy loam, 25 to 45 percent slopes	--	--	0.3	--	--	--	0.3	--	--
286.8	Pittsylvania	11B3	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	0.6	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
286.8	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
286.8	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.8	--	--	--	--	--	0.8	--	--
286.9	Pittsylvania	11B3	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	0.0	--	--
286.9	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
287	Pittsylvania	11B3	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	0.6	--	--
287	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
287	Pittsylvania	8A	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	--	--	--	--	--	--	--	--	--
287.1	Pittsylvania	11B3	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	0.1	--	--
287.1	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
287.1	Pittsylvania	8A	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	--	--	--	--	--	--	--	--	--
287.2	Pittsylvania	11B3	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	1.5	--	--
287.2	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
287.3	Pittsylvania	11B3	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	0.5	--	--
287.3	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
287.4	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
287.5	Pittsylvania	11B3	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	0.5	--	--
287.5	Pittsylvania	11C3	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	0.2	--	--	--	0.2	--	--
287.5	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
287.6	Pittsylvania	11B3	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	0.8	--	--
287.6	Pittsylvania	11C3	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	0.8	--	--	--	0.8	--	--
287.6	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
287.7	Pittsylvania	11B3	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	0.0	--	--
287.7	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
287.8	Pittsylvania	11B3	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	0.8	--	--
287.8	Pittsylvania	11C3	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	0.0	--	--	--	0.0	--	--
287.8	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
287.9	Pittsylvania	11B3	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	0.4	--	--
287.9	Pittsylvania	11C3	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	0.1	--	--	--	0.1	--	--
287.9	Pittsylvania	21E	Madison fine sandy loam, 25 to 45 percent slopes	--	--	1.1	--	--	--	1.1	--	--
288	Pittsylvania	11B3	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	0.4	--	--
288	Pittsylvania	11C3	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	1.1	--	--	--	1.1	--	--
288	Pittsylvania	21E	Madison fine sandy loam, 25 to 45 percent slopes	--	--	0.0	--	--	--	0.0	--	--
288.1	Pittsylvania	11B3	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	1.1	--	--
288.1	Pittsylvania	11C3	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	0.4	--	--	--	0.4	--	--
288.2	Pittsylvania	11B3	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	0.4	--	--
288.2	Pittsylvania	11C3	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	1.0	--	--	--	1.0	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
288.3	Pittsylvania	11B3	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	1.5	--	--
288.4	Pittsylvania	11B3	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	0.8	--	--
288.4	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
288.5	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
288.5	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.6	--	--	--	--	--	0.6	--	--
288.6	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
288.6	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	1.0	--	--	--	--	--	1.0	--	--
288.6	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.0	--	--	--	--	--	0.0	--	--
288.7	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	1.5	--	--	--	--	--	1.5	--	--
288.8	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
288.8	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	1.0	--	--	--	--	--	1.0	--	--
288.9	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.6	--	--	--	--	--	0.6	--	--
288.9	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.9	--	--	--	--	--	0.9	--	--
289	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
289	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.3	--	--	--	--	--	0.3	--	--
289	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.2	--	--	--	--	--	0.2	--	--
289.1	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	1.5	--	--	--	--	--	1.5	--	--
289.2	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
289.2	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.8	--	--	--	--	--	0.8	--	--
289.3	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
289.3	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.2	--	--	--	--	--	0.2	--	--
289.4	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
289.4	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.6	--	--	--	--	--	0.6	--	--
289.5	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	1.2	--	--	--	--	--	1.2	--	--
289.5	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.4	--	--	--	--	--	0.4	--	--
289.6	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.2	--	--	--	--	--	0.2	--	--
289.6	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.1	--	--	--	--	--	1.1	--	--
289.7	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.1	--	--	--	--	--	0.1	--	--
289.7	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.2	--	--	--	--	--	1.2	--	--
289.8	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.5	--	--	--	--	--	1.5	--	--
289.9	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.4	--	--	--	--	--	1.4	--	--
290	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	1.1	--	--	--	--	--	1.1	--	--
290	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.5	--	--	--	--	--	0.5	--	--
290.1	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	1.0	--	--	--	--	--	1.0	--	--
290.1	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.5	--	--	--	--	--	0.5	--	--
290.2	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.7	--	--	--	--	--	0.7	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
290.2	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.7	--	--	--	--	--	0.7	--	--
290.3	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.2	--	--	--	--	--	0.2	--	--
290.3	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.2	--	--	--	--	--	1.2	--	--
290.4	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.4	--	--	--	--	--	0.4	--	--
290.4	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.1	--	--	--	--	--	1.1	--	--
290.5	Pittsylvania	11C3	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	0.3	--	--	--	0.3	--	--
290.5	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	1.2	--	--	--	--	--	1.2	--	--
290.6	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	1.3	--	--	--	--	--	1.3	--	--
290.6	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.2	--	--	--	--	--	0.2	--	--
290.7	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
290.7	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.9	--	--	--	--	--	0.9	--	--
290.8	Pittsylvania	12C	Enott fine sandy loam, 7 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
290.8	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
290.9	Pittsylvania	12C	Enott fine sandy loam, 7 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
290.9	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	1.0	--	--	--	--	--	1.0	--	--
291	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.5	--	--	--	--	--	0.5	--	--
291	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.0	--	--	--	--	--	1.0	--	--
291.1	Pittsylvania	12B	Enott fine sandy loam, 2 to 7 percent slopes	0.8	--	--	--	--	--	0.8	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
291.1	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
291.1	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.1	--	--	--	--	--	0.1	--	--
291.2	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
291.2	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.7	--	--	--	--	--	0.7	--	--
291.3	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.5	--	--	--	--	--	1.5	--	--
291.4	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
291.4	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.3	--	--	--	--	--	0.3	--	--
291.4	Pittsylvania	8A	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	--	--	--	--	--	--	--	--	--
291.5	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
291.5	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.7	--	--	--	--	--	0.7	--	--
291.5	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.1	--	--	--	--	--	0.1	--	--
291.6	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.8	--	--	--	--	--	0.8	--	--
291.6	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.7	--	--	--	--	--	0.7	--	--
291.7	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
291.7	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.7	--	--	--	--	--	0.7	--	--
291.7	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.6	--	--	--	--	--	0.6	--	--
291.8	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
291.8	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.2	--	--	--	--	--	0.2	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
291.9	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
291.9	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.5	--	--	--	--	--	0.5	--	--
292	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
292.1	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
292.1	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.5	--	--	--	--	--	0.5	--	--
292.2	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.2	--	--	--	--	--	0.2	--	--
292.2	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.2	--	--	--	--	--	1.2	--	--
292.3	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	1.3	--	--	--	--	--	1.3	--	--
292.3	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.2	--	--	--	--	--	0.2	--	--
292.4	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.1	--	--	--	--	--	0.1	--	--
292.4	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.0	--	--	--	--	--	1.0	--	--
292.4	Pittsylvania	8A	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	--	--	--	--	--	--	--	--	--
292.5	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
292.5	Pittsylvania	8A	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	--	--	--	--	--	--	--	--	--
292.6	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	1.2	--	--
292.6	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.4	--	--	--	--	--	0.4	--	--
292.7	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.5	--	--	--	--	--	1.5	--	--
292.8	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.5	--	--	--	--	--	1.5	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
292.9	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.5	--	--	--	--	--	1.5	--	--
293	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.1	--	--	--	--	--	0.1	--	--
293	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.5	--	--	--	--	--	1.5	--	--
293.1	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.5	--	--	--	--	--	0.5	--	--
293.1	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.0	--	--	--	--	--	1.0	--	--
293.2	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.6	--	--	--	--	--	1.6	--	--
293.3	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.5	--	--	--	--	--	0.5	--	--
293.3	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.0	--	--	--	--	--	1.0	--	--
293.4	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	1.5	--	--	--	--	--	1.5	--	--
293.5	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.4	--	--	--	--	--	0.4	--	--
293.5	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.1	--	--	--	--	--	1.1	--	--
293.6	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.3	--	--	--	--	--	0.3	--	--
293.6	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.0	--	--	--	--	--	1.0	--	--
293.7	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.6	--	--	--	--	--	0.6	--	--
293.7	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.7	--	--	--	--	--	0.7	--	--
293.7	Pittsylvania	8A	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	--	--	--	--	--	--	--	--	--
293.8	Pittsylvania	12C	Enott fine sandy loam, 7 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
293.8	Pittsylvania	8A	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	--	--	--	--	--	--	--	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
293.9	Pittsylvania	12C	Enott fine sandy loam, 7 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
294	Pittsylvania	12B	Enott fine sandy loam, 2 to 7 percent slopes	0.2	--	--	--	--	--	0.2	--	--
294	Pittsylvania	12C	Enott fine sandy loam, 7 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
294.1	Pittsylvania	11C3	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	1.1	--	--	--	1.1	--	--
294.1	Pittsylvania	12C	Enott fine sandy loam, 7 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
294.2	Pittsylvania	11C3	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	0.3	--	--	--	0.3	--	--
294.2	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	1.1	--	--	--	--	--	1.1	--	--
294.3	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
294.3	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	1.2	--	--	--	--	--	1.2	--	--
294.3	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.2	--	--	--	--	--	0.2	--	--
294.4	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
294.4	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.6	--	--	--	--	--	0.6	--	--
294.5	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
294.5	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.7	--	--	--	--	--	0.7	--	--
294.6	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
294.7	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
294.7	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.2	--	--	--	--	--	0.2	--	--
294.8	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
294.8	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	0.0	--	--	--	--	--	0.0	--	--
294.8	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.2	--	--	--	--	--	1.2	--	--
294.9	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	0.2	--	--	--	--	--	0.2	--	--
294.9	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.3	--	--	--	--	--	1.3	--	--
295	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	1.5	--	--	--	--	--	1.5	--	--
295.1	Pittsylvania	1C	Appling sandy loam, 7 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
295.1	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	1.2	--	--	--	--	--	1.2	--	--
295.2	Pittsylvania	1C	Appling sandy loam, 7 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
295.2	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	1.1	--	--	--	--	--	1.1	--	--
295.3	Pittsylvania	1B	Appling sandy loam, 2 to 7 percent slopes	1.4	--	--	--	--	--	1.4	--	--
295.3	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	0.1	--	--	--	--	--	0.1	--	--
295.4	Pittsylvania	1B	Appling sandy loam, 2 to 7 percent slopes	0.6	--	--	--	--	--	0.6	--	--
295.4	Pittsylvania	4C	Cecil sandy loam, 7 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
295.5	Pittsylvania	1B	Appling sandy loam, 2 to 7 percent slopes	0.0	--	--	--	--	--	0.0	--	--
295.5	Pittsylvania	4C	Cecil sandy loam, 7 to 15 percent slopes	1.7	--	1.7	--	--	--	1.7	--	--
295.6	Pittsylvania	16B	Helena sandy loam, 2 to 7 percent slopes	0.0	--	--	--	--	--	--	--	--
295.6	Pittsylvania	4C	Cecil sandy loam, 7 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
295.7	Pittsylvania	16B	Helena sandy loam, 2 to 7 percent slopes	0.1	--	--	--	--	--	--	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
295.7	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	1.1	--	--	--	--	--	1.1	--	--
295.7	Pittsylvania	4C	Cecil sandy loam, 7 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
295.8	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	0.5	--	--	--	--	--	0.5	--	--
295.8	Pittsylvania	4C	Cecil sandy loam, 7 to 15 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
295.9	Pittsylvania	4C	Cecil sandy loam, 7 to 15 percent slopes	1.5	--	1.5	--	--	--	1.5	--	--
296	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	1.0	--	--	--	--	--	1.0	--	--
296	Pittsylvania	4C	Cecil sandy loam, 7 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
296.1	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	1.1	--	--	--	--	--	1.1	--	--
296.1	Pittsylvania	4C	Cecil sandy loam, 7 to 15 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
296.2	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	0.1	--	--	--	--	--	0.1	--	--
296.2	Pittsylvania	4C	Cecil sandy loam, 7 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
296.3	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	1.3	--	--	--	--	--	1.3	--	--
296.3	Pittsylvania	4C	Cecil sandy loam, 7 to 15 percent slopes	0.2	--	0.2	--	--	--	0.2	--	--
296.4	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	1.4	--	--	--	--	--	1.4	--	--
296.4	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.2	--	--	--	--	--	0.2	--	--
296.5	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	1.5	--	--	--	--	--	1.5	--	--
296.6	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	1.5	--	--	--	--	--	1.5	--	--
296.7	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	1.5	--	--	--	--	--	1.5	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
296.8	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	1.6	--	--	--	--	--	1.6	--	--
296.9	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	1.5	--	--	--	--	--	1.5	--	--
297	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	1.5	--	--	--	--	--	1.5	--	--
297.1	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	1.1	--	--	--	--	--	1.1	--	--
297.1	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.4	--	--	--	--	--	0.4	--	--
297.2	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	0.5	--	--	--	--	--	0.5	--	--
297.2	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.8	--	--	--	--	--	0.8	--	--
297.3	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	0.0	--	--	--	--	--	0.0	--	--
297.3	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.1	--	--	--	--	--	1.1	--	--
297.4	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	0.2	--	--	--	--	--	0.2	--	--
297.4	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.4	--	--	--	--	--	1.4	--	--
297.5	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
297.5	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.0	--	--	--	--	--	1.0	--	--
297.6	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--
297.6	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	0.1	--	--	--	--	--	0.1	--	--
297.7	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
297.7	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	0.8	--	--	--	--	--	0.8	--	--
297.8	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
297.8	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	0.2	--	--	--	--	--	0.2	--	--
297.9	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
297.9	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	0.2	--	--	--	--	--	0.2	--	--
298	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	1.6	--	--	--	--	--	1.6	--	--
298.1	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	1.3	--	--	--	--	--	1.3	--	--
298.1	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.2	--	--	--	--	--	0.2	--	--
298.2	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	0.0	--	--	--	--	--	0.0	--	--
298.2	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.5	--	--	--	--	--	1.5	--	--
298.3	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	1.4	--	--	--	--	--	1.4	--	--
298.3	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.1	--	--	--	--	--	0.1	--	--
298.4	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	0.3	--	--	--	--	--	0.3	--	--
298.4	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.2	--	--	--	--	--	1.2	--	--
298.5	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	0.6	--	--	--	--	--	0.6	--	--
298.5	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.9	--	--	--	--	--	0.9	--	--
298.6	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
298.6	Pittsylvania	4B	Cecil sandy loam, 2 to 7 percent slopes	0.1	--	--	--	--	--	0.1	--	--
298.6	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.5	--	--	--	--	--	0.5	--	--
298.6	Pittsylvania	8A	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	--	--	--	--	--	--	--	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
298.7	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
298.7	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.6	--	--	--	--	--	0.6	--	--
298.7	Pittsylvania	8A	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	--	--	--	--	--	--	--	--	--
298.8	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
298.8	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.3	--	--	--	--	--	0.3	--	--
298.8	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.5	--	--	--	--	--	0.5	--	--
298.9	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
298.9	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.5	--	--	--	--	--	0.5	--	--
298.9	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.8	--	--	--	--	--	0.8	--	--
299	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
299	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.0	--	--	--	--	--	0.0	--	--
299	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.0	--	--	--	--	--	1.0	--	--
299.1	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
299.1	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.0	--	--	--	--	--	0.0	--	--
299.1	Pittsylvania	8A	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	--	--	--	--	--	--	--	--	--
299.2	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
299.2	Pittsylvania	8A	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	--	--	--	--	--	--	--	--	--
299.3	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--

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Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
299.3	Pittsylvania	8A	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	--	--	--	--	--	--	--	--	--
299.4	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	1.0	--	--
299.4	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.3	--	--	--	--	--	0.3	--	--
299.4	Pittsylvania	8A	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	--	--	--	--	--	--	--	--	--
299.5	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.7	--	--	--	--	--	0.7	--	--
299.5	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.8	--	--	--	--	--	0.8	--	--
299.6	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
299.6	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.0	--	--	--	--	--	0.0	--	--
299.6	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.9	--	--	--	--	--	0.9	--	--
299.7	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--
299.7	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.5	--	--	--	--	--	0.5	--	--
299.8	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	1.1	--	1.1	--	--	--	1.1	--	--
299.8	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.4	--	--	--	--	--	0.4	--	--
299.9	Pittsylvania	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	0.4	--	--
299.9	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.8	--	--	--	--	--	0.8	--	--
299.9	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.3	--	--	--	--	--	0.3	--	--
300	Pittsylvania	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.7	--	--	--	--	--	0.7	--	--
300	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.8	--	--	--	--	--	0.8	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
300.1	Pittsylvania	23B	Mayodan fine sandy loam, 2 to 7 percent slopes	0.6	--	--	--	--	--	0.6	--	--
300.1	Pittsylvania	41A	Wehadkee silt loam, 0 to 2 percent slopes, frequently flooded	--	0.0	--	--	--	0.0	0.0	0.0	--
300.1	Pittsylvania	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.9	--	--	--	--	--	0.9	--	--
300.2	Pittsylvania	23B	Mayodan fine sandy loam, 2 to 7 percent slopes	0.5	--	--	--	--	--	0.5	--	--
300.2	Pittsylvania	41A	Wehadkee silt loam, 0 to 2 percent slopes, frequently flooded	--	0.2	--	--	--	0.2	0.2	0.2	--
300.2	Pittsylvania	8A	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	--	--	--	--	--	--	--	--	--
300.2	Pittsylvania	9C	Creedmoor fine sandy loam, 7 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
300.3	Pittsylvania	23C	Mayodan fine sandy loam, 7 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--
300.3	Pittsylvania	8A	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	--	--	--	--	--	--	--	--	--
300.4	Pittsylvania	23B	Mayodan fine sandy loam, 2 to 7 percent slopes	1.0	--	--	--	--	--	1.0	--	--
300.4	Pittsylvania	23C	Mayodan fine sandy loam, 7 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
300.5	Pittsylvania	23B	Mayodan fine sandy loam, 2 to 7 percent slopes	1.4	--	--	--	--	--	1.4	--	--
300.5	Pittsylvania	23C	Mayodan fine sandy loam, 7 to 15 percent slopes	0.1	--	0.1	--	--	--	0.1	--	--
300.6	Pittsylvania	23B	Mayodan fine sandy loam, 2 to 7 percent slopes	0.9	--	--	--	--	--	0.9	--	--
300.6	Pittsylvania	23C	Mayodan fine sandy loam, 7 to 15 percent slopes	0.6	--	0.6	--	--	--	0.6	--	--
300.7	Pittsylvania	23C	Mayodan fine sandy loam, 7 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--
300.7	Pittsylvania	9B	Creedmoor fine sandy loam, 2 to 7 percent slopes	1.0	--	--	--	--	--	1.0	--	--
300.8	Pittsylvania	23B	Mayodan fine sandy loam, 2 to 7 percent slopes	0.0	--	--	--	--	--	0.0	--	--

Attachment DR3 Soils-1b

Appendix 7A-2 (Revised July 2016)
Pipeline Route Soil Map Units and Descriptions in Virginia by Milepost

Milepost	County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Stoney/ Rocky i/
300.8	Pittsylvania	9B	Creedmoor fine sandy loam, 2 to 7 percent slopes	1.4	--	--	--	--	--	1.4	--	--
300.9	Pittsylvania	23B	Mayodan fine sandy loam, 2 to 7 percent slopes	0.8	--	--	--	--	--	0.8	--	--
300.9	Pittsylvania	9B	Creedmoor fine sandy loam, 2 to 7 percent slopes	0.4	--	--	--	--	--	0.4	--	--
300.97	Pittsylvania	23B	Mayodan fine sandy loam, 2 to 7 percent slopes	0.4	--	--	--	--	--	0.4	--	--
Total				**816.6**	**43.4**	**1185.6**	**--**	**157.4**	**39.0**	**1478.9**	**9.7**	**268.7**

Source: NCRS 2015
Note: Totals may not sum correctly due to rounding.

-/ Does not meet criteria below
a/ Areas identified as Prime Farmland are identified as lands that meet the All Prime Farmland or Farmland of Statewide and Local Importance criteria as determined by NRCS, SSURGO.
b/ Areas identified to have a severe compaction potential are limited to silt loam or finer based on particle size and ranked “somewhat poor”, “poor” and “very poor” drainage as determined by SSURGO.
c/ Areas identified as Highly Water Erodible Soils are ranked as “Very Severe” or “Severe” by SSURGO Erosion Hazard (Off-Road, Off-Trail) criteria.
d/ Areas identified as Highly Wind Erodible Soils have a Wind Erodibility Index of 1 or 2 as determined by SSURGO.
e/ Areas identified to have poor revegetation potential are lands that have a Capability Class 3 or greater, a low available water capacity and slopes greater than 8 percent as determined by SSURGO.
f/ Areas identified to have a hydric rating include the all and partial criteria as determined by SSURGO.
g/ Areas identified to have shallow depth to water are described as having a water table of less than 1.5 feet from the surface as determined by SSURGO.
h/ Areas identified to have poor drainage potential are ranked as “poor” or “very poor” as determined by SSURGO.
i/ Areas identified to have Stoney/Rocky Soils are soils that as determined by SSURGO. Include stone, rocky or cobbles in the soil name. (does not include rock outcrop soils)

Mountain Valley Pipeline, LLC
Mountain Valley Pipeline Project
Docket No. CP16-10-000

Responses to FERC Environmental Information Request #3
Dated June 28, 2016

ATTACHMENTS

Attachment DR3 Soils-1c

Attachment DR3 Soils-1c

Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-002	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-002	Skidmore gravelly loam	0.3	--	--	--	--	--	--	--	--	0.3
MVP-ATWS-003A	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-003A	Skidmore gravelly loam	0.8	--	--	--	--	--	--	--	--	0.8
MVP-ATWS-004	Gilpin-Peabody complex, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	--	--	--	1.4
MVP-ATWS-005	Skidmore gravelly loam	0.6	--	--	--	--	--	--	--	--	0.6
MVP-ATWS-006	Nolin loam	0.8	--	--	--	--	--	--	--	--	0.8
MVP-ATWS-006A	Nolin loam	0.4	--	--	--	--	--	--	--	--	0.4
MVP-ATWS-007	Gilpin-Peabody complex, 25 to 35 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-008	Gilpin-Peabody complex, 25 to 35 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-009	Skidmore gravelly loam	0.9	--	--	--	--	--	--	--	--	0.9
MVP-ATWS-010	Vandalia silty clay loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	--	--	--	0.6
MVP-ATWS-011	Gilpin-Peabody complex, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-011A	Gilpin-Peabody complex, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	--	--	--	0.8
MVP-ATWS-012	Skidmore gravelly loam	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-012A	Skidmore gravelly loam	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-013	Skidmore gravelly loam	0.7	--	--	--	--	--	--	--	--	0.7
MVP-ATWS-014	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-015	Philo silt loam	0.3	--	--	--	--	--	--	--	--	0.3
MVP-ATWS-016	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-016	Philo silt loam	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-017	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1

Attachment DR3 Soils-1c

Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-018	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-018	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.7	--	--	--	--	--	--	0.7
MVP-ATWS-019	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-020	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-020	Gilpin-Upshur complex, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	--	--	--	0.8
MVP-ATWS-020A	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-020A	Gilpin-Upshur complex, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-021	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.1	0.1	--	0.1
MVP-ATWS-021A	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.1	0.1	--	0.1
MVP-ATWS-021C	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.1	0.1	--	0.1
MVP-ATWS-022	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.2	0.2	--	0.2
MVP-ATWS-022A	Hackers silt loam, 0 to 3 percent slopes, rarely flooded	1.5	--	--	--	--	1.5	--	--	--	1.5
MVP-ATWS-022A	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.7	0.7	--	0.7
MVP-ATWS-022B	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-022B	Hackers silt loam, 0 to 3 percent slopes, rarely flooded	0.0	--	--	--	--	0.0	--	--	--	0.0
MVP-ATWS-022B	Tygart silt loam	--	2.0	--	--	--	--	2.0	--	--	2.0
MVP-ATWS-022B	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.4	0.4	--	0.4
MVP-ATWS-023	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-023	Gilpin-Upshur complex, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-024	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0

Attachment DR3 Soils-1c

Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-024	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-025	Philo silt loam	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-025	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.0	0.0	--	0.0
MVP-ATWS-025A	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-025A	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.1	0.1	--	0.1
MVP-ATWS-025B	Philo silt loam	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-025C	Philo silt loam	0.3	--	--	--	--	--	--	--	--	0.3
MVP-ATWS-026	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-026	Gilpin-Upshur complex, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-026A	Gilpin-Upshur complex, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-028	Philo silt loam	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-029	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-029	Philo silt loam	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-030	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-030A	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-031	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.7	--	--	--	--	--	--	0.7
MVP-ATWS-032	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-032	Lindside silt loam	0.3	--	--	--	--	--	--	--	--	0.3
MVP-ATWS-032A	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-032A	Lindside silt loam	0.4	--	--	--	--	--	--	--	--	0.4
MVP-ATWS-033	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.6	--	--	--	--	--	--	0.6

Attachment DR3 Soils-1c

Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-033	Lindside silt loam	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-033A	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.6	--	--	--	--	--	--	0.6
MVP-ATWS-033A	Lindside silt loam	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-034	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-034	Lindside silt loam	0.4	--	--	--	--	--	--	--	--	0.4
MVP-ATWS-034A	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	0.7	--	--	--	--	--	--	0.7
MVP-ATWS-034A	Lindside silt loam	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-035	Gilpin-Upshur complex, 8 to 15 percent slopes, severely eroded	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-036	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-036	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.1	0.1	--	0.1
MVP-ATWS-036A	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-036A	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.1	0.1	--	0.1
MVP-ATWS-037	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.2	0.2	--	0.2
MVP-ATWS-037A	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.1	0.1	--	0.1
MVP-ATWS-038	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-038A	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-039	Upshur silty clay, 15 to 25 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-039A	Upshur silty clay, 15 to 25 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-040	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-040	Upshur silty clay, 15 to 25 percent slopes, severely eroded	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-040A	Upshur silty clay, 15 to 25 percent slopes, severely eroded	--	--	0.5	--	--	--	--	--	--	0.5

Attachment DR3 Soils-1c

Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-041	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-041	Gilpin-Upshur complex, 8 to 15 percent slopes, severely eroded	0.7	--	0.7	--	--	--	--	--	--	0.7
MVP-ATWS-041A	Gilpin-Upshur complex, 8 to 15 percent slopes, severely eroded	0.8	--	0.8	--	--	--	--	--	--	0.8
MVP-ATWS-042	Urban land	--	--	--	--	--	--	--	--	--	0.6
MVP-ATWS-043	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-043A	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-046	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-046	Vandalia silty clay loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-046A	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-046A	Vandalia silty clay loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-047	Vandalia silty clay loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-048	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-048	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-048A	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-048A	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-048A	Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-049	Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-051	Lindside silt loam	0.1	--	--	--	--	--	--	--	--	0.1

Attachment DR3 Soils-1c

Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-051	Vandalia silty clay loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	--	--	--	0.9
MVP-ATWS-052	Lindside silt loam	0.5	--	--	--	--	--	--	--	--	0.5
MVP-ATWS-052	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.1	0.1	--	0.1
MVP-ATWS-053	Cotaco silt loam	0.0	--	--	--	--	0.0	--	--	--	0.0
MVP-ATWS-053	Melvin silt loam	0.6	--	--	--	--	0.6	0.6	0.6	--	0.6
MVP-ATWS-053	Sensabaugh silt loam	2.7	--	--	--	--	2.7	--	--	--	2.7
MVP-ATWS-056	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-056A	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-056A	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.1	0.1	--	0.1
MVP-ATWS-057	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-058	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-059	Lobdell-Holly silt loams	0.1	--	--	--	--	--	0.1	0.1	--	0.1
MVP-ATWS-059	Vandalia silt loam, 25 to 35 percent slopes	--	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-059	Vandalia silt loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-059A	Lobdell-Holly silt loams	0.0	--	--	--	--	--	0.0	0.0	--	0.0
MVP-ATWS-059A	Vandalia silt loam, 25 to 35 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-059A	Vandalia silt loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-060	Lobdell-Holly silt loams	0.3	--	--	--	--	--	0.3	0.3	--	0.3
MVP-ATWS-060A	Lobdell-Holly silt loams	0.1	--	--	--	--	--	0.1	0.1	--	0.1
MVP-ATWS-061	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-061	Vandalia silt loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-061A	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-061A	Vandalia silt loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-062	Lobdell-Holly silt loams	0.0	--	--	--	--	--	0.0	0.0	--	0.0
MVP-ATWS-062	Vandalia silt loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-062A	Lobdell-Holly silt loams	0.1	--	--	--	--	--	0.1	0.1	--	0.1
MVP-ATWS-062A	Vandalia silt loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-063	Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-063	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-063A	Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	--	--	--	1.5
MVP-ATWS-063A	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.0	--	--	--	--	--	--	1.0
MVP-ATWS-064	Lobdell-Holly silt loams	1.5	--	--	--	--	--	1.5	1.5	--	1.5
MVP-ATWS-065	Janelew channery silt loam, steep	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-065A	Janelew channery silt loam, steep	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-066	Gilpin-Upshur silt loams, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-066A	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-066A	Gilpin-Upshur silt loams, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-066B	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-066B	Gilpin-Upshur silt loams, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-067	Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-067A	Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-067A	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.5	--	--	--	--	--	--	1.5
MVP-ATWS-067A	Gilpin-Upshur silt loams, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-068	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-069	Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-069	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	1.7	--	--	--	--	--	--	1.7
MVP-ATWS-070A	Janelew channery silt loam, steep	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-071	Janelew channery silt loam, steep	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-071A	Janelew channery silt loam, steep	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-072	Janelew channery silt loam, steep	--	--	1.1	--	--	--	--	--	--	1.1
MVP-ATWS-072A	Janelew channery silt loam, steep	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-072B	Janelew channery silt loam, steep	--	--	0.8	--	--	--	--	--	--	0.8
MVP-ATWS-072C	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-072C	Janelew channery silt loam, steep	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-073	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-073	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-074	Vandalia silt loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-074A	Vandalia silt loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-075	Vandalia silt loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-075A	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-075A	Vandalia silt loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-075B	Vandalia silt loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-076	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.6	--	--	--	--	--	--	0.6
MVP-ATWS-076A	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-078	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-078A	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.7	--	--	--	--	--	--	0.7
MVP-ATWS-079	Chagrin silt loam, 0 to 3 percent slopes, occasionally flooded	1.1	--	--	--	--	--	--	--	--	1.1
MVP-ATWS-079	Sensabaugh silt loam	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-079	Vandalia silt loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-080	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-081	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-083	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-084	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	1.0	--	--	--	--	--	--	1.0
MVP-ATWS-085	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-085	Sensabaugh silt loam	0.3	--	--	--	--	--	--	--	--	0.3
MVP-ATWS-085A	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-086A	Sensabaugh silt loam	0.4	--	--	--	--	--	--	--	--	0.4
MVP-ATWS-086A	Vandalia silt loam, 25 to 35 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-087	Sensabaugh silt loam	0.4	--	--	--	--	--	--	--	--	0.4

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-087	Vandalia silt loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-088	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.6	--	--	--	--	--	--	0.6
MVP-ATWS-089	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.6	--	--	--	--	--	--	0.6
MVP-ATWS-093	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-093	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-093A	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-095	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-096	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.8	--	--	--	--	--	--	0.8
MVP-ATWS-096A	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-100	Sensabaugh silt loam, 3 to 8 percent slopes, rarely flooded	0.3	0.3	--	--	--	0.3	--	--	--	0.3
MVP-ATWS-1000	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1	0.1
MVP-ATWS-1000	Itmann channery sandy loam, very steep	--	--	0.1	--	0.1	--	--	--	--	0.1
MVP-ATWS-1001	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1	0.1
MVP-ATWS-1002	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.2	--	--	--	0.2	--	0.2	0.2
MVP-ATWS-1002	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.8	--	--	--	--	--	0.8	0.8
MVP-ATWS-1003	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1	0.1

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1004	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.4	--	--	--	0.4	--	0.4	0.4
MVP-ATWS-1005	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.2	--	--	--	0.2	--	0.2	0.2
MVP-ATWS-1006	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	0.0	--	0.0	--	--	--	0.0	0.0
MVP-ATWS-1006	Lily loam, 3 to 8 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1007	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	0.0	--	0.0	--	--	--	0.0	0.0
MVP-ATWS-1007	Lily loam, 3 to 8 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1008	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.2	--	--	--	0.2	--	0.2	0.2
MVP-ATWS-1009	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1	0.1
MVP-ATWS-1009	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-100A	Sensabaugh silt loam, 3 to 8 percent slopes, rarely flooded	0.1	0.1	--	--	--	0.1	--	--	--	0.1
MVP-ATWS-101	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-101	Vandalia silt loam, 25 to 35 percent slopes	0.6	--	0.6	--	--	--	--	--	--	0.6
MVP-ATWS-1010	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	1.1	--	--	--	1.1	--	1.1	1.1
MVP-ATWS-1011	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.9	--	--	--	0.9	--	0.9	0.9
MVP-ATWS-1012	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1013	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1013	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1014	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1	0.1
MVP-ATWS-1015	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1	0.1
MVP-ATWS-1016	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0	0.0
MVP-ATWS-1016	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1017	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1	0.1
MVP-ATWS-1018	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-1018	Clifftop channery silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1019	Clifftop channery silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-102	Gilpin-Upshur silt loams, 25 to 35 percent slopes	1.8	--	1.8	--	--	--	--	--	--	1.8
MVP-ATWS-1022	Dekalb channery sandy loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	0.1	--	--	--	0.1	0.1
MVP-ATWS-1023	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0	0.0
MVP-ATWS-1023	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1024	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1	0.1
MVP-ATWS-1024	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1025	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0	0.0
MVP-ATWS-1026	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.2	--	--	--	0.2	--	0.2	0.2
MVP-ATWS-1027	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1028	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-1029	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1	0.1
MVP-ATWS-103	Gilpin-Lily complex, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	--	--	--	0.7
MVP-ATWS-103	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1030	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1	0.1
MVP-ATWS-1031	Cookport loam, 3 to 8 percent slopes	0.1	--	--	--	--	--	0.1	--	--	0.1
MVP-ATWS-1031	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.0	--	--	--	--	--	--	--	0.0	0.0
MVP-ATWS-1032	Cookport loam, 3 to 8 percent slopes	0.0	--	--	--	--	--	0.0	--	--	0.0
MVP-ATWS-1032	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.1	--	--	--	--	--	--	--	0.1	0.1
MVP-ATWS-1033	Culleoka loam, 35 to 55 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-1034	Culleoka loam, 35 to 55 percent slopes, very stony	--	--	0.7	--	--	--	--	--	0.7	0.7
MVP-ATWS-1035	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.0	--	--	--	--	--	0.0	0.0

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Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1036	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1037	Edneytown-Sauratown complex, 15 to 25 percent slopes, very stony	0.1	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1037	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-1038	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.5	--	--	--	--	--	0.5	0.5
MVP-ATWS-1039	Cullasaja-Tuckasegee complex, 15 to 25 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-103A	Gilpin-Lily complex, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-103A	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1040	Clifford fine sandy loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	--	--	--	1.0
MVP-ATWS-1041	Clifford fine sandy loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-1042	Clifford fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1042	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1043	Clifford fine sandy loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-1043	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1044	Clifford fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1045	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-1045	Clifftop channery silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1046	Kaymine channery loam, very steep, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1047	Clifftop channery silt loam, 25 to 35 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1047	Kaymine channery loam, very steep, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1048	Kaymine channery loam, very steep, extremely stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-1049	Kaymine channery loam, very steep, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-105	Gilpin-Lily complex, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-1050	Clifftop channery silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1050	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.0	--	--	--	0.0	0.0
MVP-ATWS-1050	Dekalb channery sandy loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	0.2	--	--	--	0.2	0.2
MVP-ATWS-1051	Clifftop channery silt loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1052	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.1	--	--	--	0.1	0.1
MVP-ATWS-1053	Clifftop channery silt loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1054	Melvin-Lindside complex, 0 to 3 percent slopes, frequently flooded	0.0	--	--	--	--	0.0	0.0	0.0	--	0.0
MVP-ATWS-1055	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.5	--	--	--	--	--	--	--	--	0.5
MVP-ATWS-1056	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.4	--	--	--	--	--	0.4	0.4
MVP-ATWS-1057	Craigsville soils	--	0.5	--	--	--	0.5	--	--	--	0.5
MVP-ATWS-1059	Blackthorn very channery loam, 15 to 35 percent slopes, extremely stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-1059	Frederick and Dunmore soils, 15 to 25 percent slopes, very rocky	0.7	--	0.7	--	--	--	--	--	0.7	0.7

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-106	Sensabaugh silt loam, 0 to 3 percent slopes, occasionally flooded	0.3	0.3	--	--	--	0.3	--	--	--	0.3
MVP-ATWS-106	Sensabaugh silt loam, 3 to 8 percent slopes, rarely flooded	0.3	0.3	--	--	--	0.3	--	--	--	0.3
MVP-ATWS-1060	Blackthorn very channery loam, 15 to 35 percent slopes, extremely stony	--	--	0.8	--	--	--	--	--	0.8	0.8
MVP-ATWS-1060	Frederick and Dunmore soils, 15 to 25 percent slopes, very rocky	0.1	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1061	Guernsey silt loam, 2 to 7 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1062	Jefferson soils, 7 to 15 percent slopes	0.3	--	--	--	--	--	--	--	--	0.3
MVP-ATWS-1063	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1064	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1065	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1066	Clifford fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1066	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1066	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1067	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-1067	Wintergreen loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-1068	Udifluvents-Fluvaquents complex	0.1	--	--	--	--	--	0.1	0.1	--	0.1
MVP-ATWS-1069	Udifluvents-Fluvaquents complex	0.0	--	--	--	--	--	0.0	0.0	--	0.0
MVP-ATWS-1069	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.0	--	0.0	--	--	--	--	0.0
MVP-ATWS-1070	Litz-Cateache complex, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1071	Litz-Cateache complex, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1071	Rough very channery silt loam, 15 to 25 percent slopes	--	--	0.3	--	0.3	--	--	--	--	0.3
MVP-ATWS-1072	Cateache-Litz complex, 35 to 55 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1073	Cateache-Litz complex, 35 to 55 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1074	Gilpin and Lily soils, 3 to 8 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1075	Cateache-Litz complex, 15 to 25 perecnt slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1075	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1078	Cateache-Litz complex, 35 to 55 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1078	Litz-Cateache complex, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1079	Cateache-Litz complex, 35 to 55 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1079	Litz-Cateache complex, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1079A	Cateache-Litz complex, 35 to 55 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1080	Cateache-Litz complex, 35 to 55 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1081	Cateache-Litz complex, 35 to 55 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1082	Cateache-Litz complex, 35 to 55 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1083	Cateache-Litz complex, 35 to 55 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1084	Cateache-Litz complex, 35 to 55 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1085	Tilsit silt loam, 3 to 8 percent slopes	0.1	--	--	--	--	0.1	--	--	--	0.1

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1086	Cateache-Litz complex, 15 to 25 perecnt slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1086	Tilsit silt loam, 3 to 8 percent slopes	0.9	--	--	--	--	0.9	--	--	--	0.9
MVP-ATWS-1087	Atkins silt loam, warm, 0 to 3 percent slopes, frequently flooded	0.2	0.2	--	--	--	0.2	0.2	0.2	--	0.2
MVP-ATWS-1088	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1089	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-1090	Laidig channery loam, 15 to 25 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1	0.1
MVP-ATWS-1091	Laidig channery loam, 15 to 25 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2	0.2
MVP-ATWS-1092	Dekalb channery loam, 15 to 25 percent slopes, very stony	--	--	--	--	0.1	--	--	--	0.1	0.1
MVP-ATWS-1092	Litz channery silt loam, 25 to 35 percent slopes	--	--	0.1	--	0.1	--	--	--	--	0.1
MVP-ATWS-1092	Litz silt loam, 35 to 60 percent slopes	--	--	0.1	--	0.1	--	--	--	--	0.1
MVP-ATWS-1093	Dekalb channery loam, 15 to 25 percent slopes, very stony	--	--	--	--	0.1	--	--	--	0.1	0.1
MVP-ATWS-1093	Litz silt loam, 3 to 8 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-1094	Litz silt loam, 35 to 60 percent slopes	--	--	0.0	--	0.0	--	--	--	--	0.0
MVP-ATWS-1095	Litz silt loam, 35 to 60 percent slopes	--	--	0.1	--	0.1	--	--	--	--	0.1
MVP-ATWS-1096	Litz silt loam, 35 to 60 percent slopes	--	--	0.1	--	0.1	--	--	--	--	0.1
MVP-ATWS-1097	Litz silt loam, 35 to 60 percent slopes	--	--	0.1	--	0.1	--	--	--	--	0.1
MVP-ATWS-1098	Gilpin and Lily soils, 3 to 8 percent slopes	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-1099	Atkins silt loam, warm, 0 to 3 percent slopes, frequently flooded	0.2	0.2	--	--	--	0.2	0.2	0.2	--	0.2

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1099	Gilpin and Lily soils, 3 to 8 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1099	Tilsit silt loam, 3 to 8 percent slopes	0.0	--	--	--	--	0.0	--	--	--	0.0
MVP-ATWS-109A	Gilpin-Lily complex, 8 to 15 percent slopes	7.3	--	7.3	--	--	--	--	--	--	7.3
MVP-ATWS-109A	Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-110	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.5	0.5
MVP-ATWS-110	Gilpin-Lily complex, 25 to 35 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-1100	Clarksburg silt loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	0.5	--	--	0.5
MVP-ATWS-1100	Melvin silt loam	0.0	--	--	--	--	0.0	0.0	0.0	--	0.0
MVP-ATWS-1101	Melvin silt loam	0.2	--	--	--	--	0.2	0.2	0.2	--	0.2
MVP-ATWS-1102	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.1	--	0.1	--	--	--	--	0.1
MVP-ATWS-1103	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.1	--	0.1	--	--	--	--	0.1
MVP-ATWS-1104	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.1	--	0.1	--	--	--	--	0.1
MVP-ATWS-1105	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.1	--	0.1	--	--	--	--	0.1
MVP-ATWS-1106	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.2	--	0.2	--	--	--	--	0.2
MVP-ATWS-1107	Melvin silt loam	0.5	--	--	--	--	0.5	0.5	0.5	--	0.5
MVP-ATWS-1107	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.0	--	0.0	--	--	--	--	0.0
MVP-ATWS-1108	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.1	--	0.1	--	--	--	--	0.1
MVP-ATWS-1109	Litz channery silt loam, 25 to 35 percent slopes	--	--	0.2	--	0.2	--	--	--	--	0.2
MVP-ATWS-1109	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.3	--	0.3	--	--	--	--	0.3

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1109A	Litz channery silt loam, 25 to 35 percent slopes	--	--	0.0	--	0.0	--	--	--	--	0.0
MVP-ATWS-111	Pope sandy loam	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-1110	Litz silt loam, 15 to 25 percent slopes	1.0	--	1.0	--	1.0	--	--	--	--	1.0
MVP-ATWS-1111	Lily sandy loam, 8 to 15 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1112	Lily sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1112	Lily sandy loam, 8 to 15 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-1113	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1113	Melvin silt loam	0.2	--	--	--	--	0.2	0.2	0.2	--	0.2
MVP-ATWS-1114	Cateache-Litz complex, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1116	Lily-Bailegap complex, very stony, 35 to 65 percent slopes	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1119	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1119	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-111A	Pope sandy loam	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-112	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.4	--	--	--	--	--	0.4	0.4
MVP-ATWS-112	Gilpin-Lily complex, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1120	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1120	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-1121	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	1.0	--	--	--	--	--	1.0	1.0
MVP-ATWS-1122	Allegheny loam, 2 to 7 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1122	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-1123	Allegheny loam, 2 to 7 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1123	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1124	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1124	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	--	--	0.2	0.2
MVP-ATWS-1125	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-1125	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	--	--	0.3	0.3
MVP-ATWS-1126	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-1127	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1128	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1128	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	--	--	0.0	0.0
MVP-ATWS-1129	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-1129	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-112A	Gilpin-Lily complex, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	--	--	--	1.2
MVP-ATWS-1130	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-1131	Frederick very stony silt loam, 25 to 35 percent slopes	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-1132	Frederick very stony silt loam, 25 to 35 percent slopes	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-1133	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1134	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1135	Braddock sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1136	Braddock sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1136	Braddock sandy loam, 7 to 15 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1137	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1138	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1138	Sequoia silt loam, 30 to 65 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1139	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-114	Gilpin-Lily complex, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-114	Gilpin-Upshur silt loams, 8 to 15 percent slopes	2.4	--	2.4	--	--	--	--	--	--	2.4
MVP-ATWS-1140	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.4	--	--	--	--	--	0.4	0.4
MVP-ATWS-1140	Sequoia silt loam, 10 to 30 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1141	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-1142	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-1143	Nolichucky loam, 7 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1143	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	--	--	0.1	0.1
MVP-ATWS-1144	Nolichucky loam, 7 to 15 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1144	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	--	--	0.1	0.1

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1145	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1145	Faywood silt loam, 10 to 30 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1145	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-1146	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-1147	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1148	Frederick and Vertrees gravelly silt loams, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1148	Frederick and Vertrees silt loams, 7 to 15 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1148	Groseclose and Poplimento soils, 2 to 7 percent slopes	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-1149	Duffield-Ernest complex, 7 to 15 percent slopes	0.2	0.2	0.2	--	--	0.2	--	--	--	0.2
MVP-ATWS-1149	Frederick and Vertrees gravelly silt loams, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-114A	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-114A	Gilpin-Lily complex, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-115	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.1	0.1
MVP-ATWS-115	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1150	Groseclose and Poplimento soils, 7 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1151	Groseclose and Poplimento soils, 7 to 15 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1152	Caneyville-Opequon-Rock outcrop complex, 7 to 25 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1153	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1154	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1154	Groseclose and Poplimento soils, 25 to 60 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1155	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1156	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1156	Groseclose and Poplimento gravelly soils, 7 to 15 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-1157	Carbo and Chilhowie soils, 7 to 15 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1158	Carbo and Chilhowie soils, 7 to 15 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1159	Duffield-Ernest complex, 7 to 15 percent slopes	0.1	0.1	0.1	--	--	0.1	--	--	--	0.1
MVP-ATWS-1159	Wurno-Caneyville complex, 25 to 45 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-116	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.9	0.9
MVP-ATWS-1160	Duffield-Ernest complex, 7 to 15 percent slopes	0.0	0.0	0.0	--	--	0.0	--	--	--	0.0
MVP-ATWS-1160	Wurno-Caneyville complex, 25 to 45 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1161	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-1162	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1163	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1164	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.1	--	0.1	--	--	--	--	0.1
MVP-ATWS-1165	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.0	--	0.0	--	--	--	--	0.0

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1165	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-1166	Berks-Clymer complex, 7 to 15 percent slopes	--	--	--	--	0.0	--	--	--	--	0.0
MVP-ATWS-1166	Jefferson soils, 7 to 15 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1167	Berks-Clymer complex, 7 to 15 percent slopes	--	--	--	--	0.1	--	--	--	--	0.1
MVP-ATWS-1168	Berks-Clymer complex, 7 to 15 percent slopes	--	--	--	--	0.1	--	--	--	--	0.1
MVP-ATWS-1169	Ernest silt loam, warm, 8 to 15 percent slopes	0.3	0.3	0.3	--	--	0.3	0.3	--	--	0.3
MVP-ATWS-116A	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.4	0.4
MVP-ATWS-117	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-117	Gilpin-Lily complex, 25 to 35 percent slopes	0.5	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-1170	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1171	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1172	Cateache-Berks channery silt loams, 15 to 30 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1173	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1174	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1174	Shouns silt loam, 3 to 15 percent slopes, very stony	0.0	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-1175	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1175	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1176	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1176	Gilpin-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1176	Shouns silt loam, 3 to 8 percent slopes	0.3	--	--	--	--	--	--	--	--	0.3
MVP-ATWS-1177	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1177	Shouns silt loam, 3 to 8 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-1178	Shouns silt loam, 3 to 15 percent slopes, very stony	0.1	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1179	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1179	Shouns silt loam, 15 to 30 percent slopes, very stony	0.0	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-1179	Shouns silt loam, 3 to 15 percent slopes, very stony	0.0	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-117A	Gilpin-Lily complex, 25 to 35 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-118	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.1	0.1
MVP-ATWS-1180	Gilpin channery silt loam, moist, 8 to 15 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1181	Gilpin channery silt loam, moist, 8 to 15 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1182	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1183	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-1184	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.3	--	--	--	--	--	--	--	0.3	0.3

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Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1185	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.1	--	--	--	--	--	--	--	0.1	0.1
MVP-ATWS-1186	Kaymine-rock outcrop complex, very steep	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1187	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1187	Kaymine-rock outcrop complex, very steep	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1187	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1188	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-1188	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-1189	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-1189	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.1	--	--	--	--	--	--	--	0.1	0.1
MVP-ATWS-118A	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.0	0.0
MVP-ATWS-119	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.3	0.3
MVP-ATWS-119	Chavies fine sandy loam, rarely flooded	2.4	--	--	--	--	--	--	--	--	2.4
MVP-ATWS-1190	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	--	--	0.3	0.3
MVP-ATWS-1191	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	--	--	0.2	0.2
MVP-ATWS-1192	Kaymine-rock outcrop complex, very steep	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1192	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-1193	Kaymine-rock outcrop complex, very steep	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1193	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0

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Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1194	Macove channery silt loam, 15 to 35 percent slopes, very stony	--	--	--	--	--	--	--	--	0.1	0.1
MVP-ATWS-1195	Macove channery silt loam, 15 to 35 percent slopes, very stony	--	--	--	--	--	--	--	--	0.1	0.1
MVP-ATWS-1196	Kaymine-rock outcrop complex, very steep	--	--	0.8	--	--	--	--	--	--	0.8
MVP-ATWS-1196	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-1197	Gilpin channery silt loam, moist, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1197	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-1198	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1199	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1199	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-120	Gilpin-Lily complex, 25 to 35 percent slopes	0.7	--	0.7	--	--	--	--	--	--	0.7
MVP-ATWS-1200	Lily sandy loam, 8 to 15 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1201	Lily sandy loam, 8 to 15 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1202	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1203	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1204	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1205	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1206	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1

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Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1206	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1207	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1208	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-1208	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1209	Dekalb channery fine sandy loam, 15 to 30 percent slopes	0.2	--	0.2	--	0.2	--	--	--	--	0.2
MVP-ATWS-1209	Dekalb-Gilpin-Jefferson complex, 35 to 80 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-1210	Dekalb channery fine sandy loam, 15 to 30 percent slopes	0.2	--	0.2	--	0.2	--	--	--	--	0.2
MVP-ATWS-1210	Dekalb-Gilpin-Jefferson complex, 35 to 80 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-1211	Dekalb channery fine sandy loam, 15 to 30 percent slopes	0.2	--	0.2	--	0.2	--	--	--	--	0.2
MVP-ATWS-1211	Lily loam, 3 to 8 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1212	Dekalb channery fine sandy loam, 15 to 30 percent slopes	0.1	--	0.1	--	0.1	--	--	--	--	0.1
MVP-ATWS-1212	Lily loam, 3 to 8 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-1213	Berks-Clymer complex, 7 to 15 percent slopes	--	--	--	--	0.0	--	--	--	--	0.0
MVP-ATWS-1213	Jefferson soils, 7 to 15 percent slopes	0.5	--	--	--	--	--	--	--	--	0.5
MVP-ATWS-1216	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.2	--	0.2	--	--	--	--	0.2
MVP-ATWS-1217	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.1	--	0.1	--	--	--	--	0.1
MVP-ATWS-1218	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.0	--	0.0	--	--	--	--	0.0
MVP-ATWS-1219	Berks and Weikert soils, 25 to 65 percent slopes	--	--	0.2	--	0.2	--	--	--	--	0.2

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-122	Gilpin-Lily complex, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	--	--	--	1.2
MVP-ATWS-1220	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-1220	Jefferson very stony soils, 7 to 15 percent slopes	0.1	--	--	--	--	--	--	--	0.1	0.1
MVP-ATWS-1221	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-1221	Jefferson very stony soils, 7 to 15 percent slopes	0.0	--	--	--	--	--	--	--	0.0	0.0
MVP-ATWS-1222	Duffield-Ernest complex, 2 to 7 percent slopes	0.3	0.3	--	--	--	0.3	--	--	--	0.3
MVP-ATWS-1223	Duffield-Ernest complex, 2 to 7 percent slopes	0.1	0.1	--	--	--	0.1	--	--	--	0.1
MVP-ATWS-1224	Dekalb channery sandy loam, 7 to 15 percent slopes, very stony	--	--	--	--	0.4	--	--	--	0.4	0.4
MVP-ATWS-1225	Dekalb channery sandy loam, 7 to 15 percent slopes, very stony	--	--	--	--	0.3	--	--	--	0.3	0.3
MVP-ATWS-1226	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1227	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1228	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1229	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-122A	Gilpin-Lily complex, 15 to 25 percent slopes	6.3	--	6.3	--	--	--	--	--	--	6.3
MVP-ATWS-123	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	1.1	--	--	--	--	--	1.1	1.1
MVP-ATWS-1236	Edneyville fine sandy loam, 7 to 15 percent slopes	0.3	--	--	--	--	--	--	--	--	0.3
MVP-ATWS-1237	Edneyville fine sandy loam, 7 to 15 percent slopes	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-1238	Edneyville fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1238	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1239	Edneyville fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-124	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.6	0.6
MVP-ATWS-124	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.4	--	--	--	--	--	0.4	0.4
MVP-ATWS-1246	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-1247	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-1248	Ashe-Peaks-Edneyville complex, 15 to 25 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-1249	Cullasaja-Tuckasegee complex, 15 to 25 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-1249	Hayesville loam, 25 to 45 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-1250	Cullasaja-Tuckasegee complex, 15 to 25 percent slopes, very stony	--	--	0.4	--	--	--	--	--	0.4	0.4
MVP-ATWS-1250	Hayesville loam, 25 to 45 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-1251	Hayesville loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1252	Clifford fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1253	Clifford fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1254	Clifford fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1255	Clifford fine sandy loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1256	Clifford fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1257	Clifford fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1257	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1258	Clifford fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1259	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-126	Gilpin-Lily complex, 25 to 35 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1260	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1261	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1262	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1263	Clifford fine sandy loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-1263	Clifford fine sandy loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-1263	Wintergreen loam, 2 to 8 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1264	Clifford fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1264	Clifford fine sandy loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-1264	Wintergreen loam, 2 to 8 percent slopes	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-1265	Clifford fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1265	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1266	Clifford fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1266	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1266	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1267	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1267	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1268	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1269	Clifford fine sandy loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1270	Clifford fine sandy loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-1271	Clifford fine sandy loam, 2 to 8 percent slopes	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-1272	Clifford fine sandy loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-1272	Clifford fine sandy loam, 2 to 8 percent slopes	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-1273	Clifford fine sandy loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	--	--	--	0.6
MVP-ATWS-1274	Clifford fine sandy loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-1275	Clifford fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1275	Clifford fine sandy loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1276	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1277	Clifford fine sandy loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1278	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1279	Clifford fine sandy loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-128	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.2	0.2
MVP-ATWS-1280	Clifford fine sandy loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	--	--	--	0.9

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1281	Clifford fine sandy loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1282	Clifford fine sandy loam, 8 to 15 percent slopes	2.7	--	2.7	--	--	--	--	--	--	2.7
MVP-ATWS-1282	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1283	Jackland-Mirerock-Redbrush complex, 8 to 15 percent slopes	--	--	0.3	--	--	--	0.3	--	--	0.3
MVP-ATWS-1284	Jackland-Mirerock-Redbrush complex, 8 to 15 percent slopes	--	--	0.3	--	--	--	0.3	--	--	0.3
MVP-ATWS-1285	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-1285	Madison fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1285	Mattaponi sandy loam, 7 to 15 percent slopes	0.5	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-1286	Mattaponi sandy loam, 7 to 15 percent slopes	0.5	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-1287	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-1287	Mattaponi sandy loam, 2 to 7 percent slopes	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-1288	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1288	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-1288	Mattaponi sandy loam, 2 to 7 percent slopes	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-1289	Hiwassee clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1289	Madison fine sandy loam, 25 to 45 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-129	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.6	0.6
MVP-ATWS-129	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1290	Hiwassee clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-1291	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1291	Hiwassee clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-1292	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-1293	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1294	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1295	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1296	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1296	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1297	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1297	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1298	Cecil sandy loam, 2 to 7 percent slopes	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-1299	Clifford fine sandy loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-130	Gilpin-Lily complex, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	--	--	--	1.0
MVP-ATWS-1301	Clifford fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1301	Clifford fine sandy loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-1302	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1303	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	0.3	--	--	--	--	--	--	0.3

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1303	Thurmont sandy loam, 2 to 7 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-1304	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1304	Thurmont sandy loam, 2 to 7 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1305	Edneyville fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1306	Edneyville fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1307	Edneyville fine sandy loam, 7 to 15 percent slopes	0.3	--	--	--	--	--	--	--	--	0.3
MVP-ATWS-1308	Edneyville fine sandy loam, 7 to 15 percent slopes	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-1309	Edneyville fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1309	Evard fine sandy loam, 7 to 15 percent slopes	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-130A	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-130A	Gilpin-Lily complex, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-130B	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-130B	Gilpin-Lily complex, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	--	--	--	0.8
MVP-ATWS-131	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.8	0.8
MVP-ATWS-1310	Edneyville fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1310	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1310	Evard fine sandy loam, 7 to 15 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1311	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1312	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-1312	Cecil sandy loam, 2 to 7 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-1313	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-1313	Cecil sandy loam, 2 to 7 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1314	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1314	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.1	--	--	--	0.1	0.1
MVP-ATWS-1315	Melvin silt loam	1.3	--	--	--	--	1.3	1.3	1.3	--	1.3
MVP-ATWS-1315	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.2	--	0.2	--	--	--	--	0.2
MVP-ATWS-1316	Clifford fine sandy loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-1317	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-1317	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1317	Peaks-Ashe-Edneyville complex, 25 to 45 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-1318	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-1318	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1319	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-1319	Cecil sandy loam, 2 to 7 percent slopes	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-131A	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.5	0.5
MVP-ATWS-1320	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.3	--	--	--	--	--	--	--	--	0.3

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1320	Cecil sandy loam, 2 to 7 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-1321	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-1322	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1322	Cecil sandy loam, 2 to 7 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-1322	Madison fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1323	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-1323	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	--	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-1323	Madison fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1324	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1324	Madison fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1325	Madison fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1326	Edneyville fine sandy loam, 2 to 7 percent slopes	0.5	--	--	--	--	--	--	--	--	0.5
MVP-ATWS-1328	Dekalb channery sandy loam, 60 to 80 percent slopes, very stony	--	--	0.8	--	0.8	--	--	--	0.8	0.8
MVP-ATWS-1329	Dekalb channery sandy loam, 35 to 60 percent slopes, very stony	--	--	0.3	--	0.3	--	--	--	0.3	0.3
MVP-ATWS-132A	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.5	0.5
MVP-ATWS-133	Gilpin-Lily complex, 25 to 35 percent slopes	0.9	--	0.9	--	--	--	--	--	--	0.9
MVP-ATWS-1330	Weaver soils	0.1	0.1	--	--	--	0.1	--	--	--	0.1
MVP-ATWS-1331	Carbo silty clay loam, very rocky, 15 to 45 percent slopes	--	--	0.1	--	--	--	--	--	0.1	0.1

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1331	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	--	--	0.5	0.5
MVP-ATWS-1332	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1333	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1334	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	--	--	0.4	0.4
MVP-ATWS-1335	Carbo silty clay loam, very rocky, 15 to 45 percent slopes	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-1335	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1336	Lily sandy loam, 8 to 15 percent slopes	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-1337	Lily sandy loam, 8 to 15 percent slopes	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-1338	Vandalia silty clay loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1339	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-1339	Clifftop channery silt loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	--	--	--	0.9
MVP-ATWS-134	Gilpin-Lily complex, 25 to 35 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-1340	Clifford fine sandy loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	--	--	--	1.0
MVP-ATWS-1340	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1340A	Wintergreen loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1341	Janelew channery silt loam, steep	--	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-1342	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-1342	Edneytown-Sauratown complex, 8 to 15 percent slopes, very stony	0.6	--	0.6	--	--	--	--	--	0.6	0.6

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1343	Edneytown-Sauratown complex, 8 to 15 percent slopes, very stony	0.6	--	0.6	--	--	--	--	--	0.6	0.6
MVP-ATWS-1344	Craigsville gravelly loam, 0 to 5 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1345	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0	0.0
MVP-ATWS-1347	Gilpin silt loam, 30 to 65 percent slopes	--	--	0.9	--	--	--	--	--	--	0.9
MVP-ATWS-1347	Sequoia silt loam, 10 to 30 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1348	Wintergreen loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1349	Wintergreen loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1350	Lobdell silt loam	0.5	--	--	--	--	--	--	--	--	0.5
MVP-ATWS-1351	Hayesville loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	--	--	--	0.6
MVP-ATWS-1351	Wintergreen loam, 2 to 8 percent slopes	1.4	--	--	--	--	--	--	--	--	1.4
MVP-ATWS-1351	Wintergreen loam, 8 to 15 percent slopes	2.4	--	2.4	--	--	--	--	--	--	2.4
MVP-ATWS-1352	Cullasaja-Tuckasegee-Dellwood complex, 0 to 15 percent slopes, very stony	--	--	--	--	--	--	--	--	0.0	0.0
MVP-ATWS-1352	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-1353	Carbo and Chilhowie soils, 15 to 25 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1353A	Carbo and Chilhowie soils, 15 to 25 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-1354	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.1	--	--	--	--	--	--	--	0.1	0.1
MVP-ATWS-1355	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1355	Upshur silty clay, 15 to 25 percent slopes, severely eroded	--	--	0.6	--	--	--	--	--	--	0.6
MVP-ATWS-1356	Gilpin-Peabody complex, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-1357	Creedmoor fine sandy loam, 2 to 7 percent slopes	0.1	--	--	--	--	--	0.1	--	--	0.1
MVP-ATWS-1357	Mayodan fine sandy loam, 2 to 7 percent slopes	4.0	--	--	--	--	--	--	--	--	4.0
MVP-ATWS-1358	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	1.0	--	--	--	1.0	--	1.0	1.0
MVP-ATWS-1358	Itmann channery sandy loam, very steep	--	--	0.6	--	0.6	--	--	--	--	0.6
MVP-ATWS-1359	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	1.4	--	--	--	1.4	--	1.4	1.4
MVP-ATWS-1359	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-1360	Frederick very stony silt loam, 25 to 35 percent slopes	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-1360	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	1.2	--	--	--	--	--	1.2	1.2
MVP-ATWS-1362	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.4	--	--	--	--	--	--	--	--	0.4
MVP-ATWS-1362	Drapermill gravelly loam, 25 to 60 percent slopes	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-1362	Elsinboro-Colescreek complex, 2 to 8 percent slopes, rarely flooded	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-1362	Littlejoe-Strawfield-Penhook complex, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	--	--	--	1.0
MVP-ATWS-1363	Clifford fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-1363	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.9	--	--	--	--	--	--	--	--	0.9
MVP-ATWS-1363	Elsinboro-Colescreek complex, 2 to 8 percent slopes, rarely flooded	2.2	--	--	--	--	--	--	--	--	2.2

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-1364	Littlejoe-Strawfield-Penhook complex, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	--	--	--	0.7
MVP-ATWS-1364	Littlejoe-Strawfield-Penhook complex, 8 to 15 percent slopes	1.3	--	1.3	--	--	--	--	--	--	1.3
MVP-ATWS-137	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	1.0	1.0
MVP-ATWS-137	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-138	Gilpin-Lily complex, 25 to 35 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-139	Gilpin silt loam, 25 to 35 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-141	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.8	--	--	--	--	--	0.8	0.8
MVP-ATWS-141A	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.8	--	--	--	--	--	1.8	1.8
MVP-ATWS-142	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-143	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.2	--	0.2	--	--	--	0.2	0.2
MVP-ATWS-144	Gilpin silt loam, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	--	--	--	0.8
MVP-ATWS-144	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.5	--	--	--	--	--	0.5	0.5
MVP-ATWS-145	Gilpin silt loam, 25 to 35 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-145	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-146	Chavies fine sandy loam, moist, 0 to 3 percent slopes, rarely flooded	1.5	--	--	--	--	--	--	--	--	1.5
MVP-ATWS-146	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-149	Gilpin silt loam, 3 to 15 percent slopes, very stony	0.2	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-150	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.3	--	--	--	--	--	1.3	1.3
MVP-ATWS-151	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-151A	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-156	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.4	--	--	--	--	--	0.4	0.4
MVP-ATWS-157	Craigsville gravelly loam, 0 to 5 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-157	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-157A	Craigsville gravelly loam, 0 to 5 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-157A	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-161	Craigsville gravelly loam, 0 to 5 percent slopes	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-162	Gilpin silt loam, 3 to 15 percent slopes, very stony	0.3	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-162	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-163	Gilpin silt loam, 3 to 15 percent slopes, very stony	0.4	--	0.4	--	--	--	--	--	0.4	0.4
MVP-ATWS-164	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-165	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1

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Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-165A	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-167	Gilpin silt loam, 3 to 15 percent slopes, very stony	0.0	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-168	Gilpin silt loam, 3 to 15 percent slopes, very stony	0.9	--	0.9	--	--	--	--	--	0.9	0.9
MVP-ATWS-168	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-170	Gilpin silt loam, 3 to 15 percent slopes, very stony	1.3	--	1.3	--	--	--	--	--	1.3	1.3
MVP-ATWS-171	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.9	--	--	--	--	--	0.9	0.9
MVP-ATWS-171A	Philo-Pope complex	0.5	--	--	--	--	--	--	--	--	0.5
MVP-ATWS-171A	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.4	--	--	--	--	--	0.4	0.4
MVP-ATWS-171B	Philo-Pope complex	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-171B	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.8	--	--	--	--	--	0.8	0.8
MVP-ATWS-171C	Philo-Pope complex	0.6	--	--	--	--	--	--	--	--	0.6
MVP-ATWS-173	Clifftop channery silt loam, 25 to 35 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-173	Laidig channery silt loam, 8 to 15 percent slopes	0.1	--	--	--	0.1	--	--	--	--	0.1
MVP-ATWS-175	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-175	Gilpin silt loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-176	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-176	Gilpin silt loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-176A	Gilpin silt loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-178	Clifftop channery silt loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	--	--	--	0.7
MVP-ATWS-178A	Clifftop channery silt loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-178A	Clifftop channery silt loam, 25 to 35 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-178B	Clifftop channery silt loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-178B	Clifftop channery silt loam, 25 to 35 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-179	Clifftop channery silt loam, 25 to 35 percent slopes	0.7	--	0.7	--	--	--	--	--	--	0.7
MVP-ATWS-179A	Clifftop channery silt loam, 15 to 25 percent slopes	1.1	--	1.1	--	--	--	--	--	--	1.1
MVP-ATWS-179A	Clifftop channery silt loam, 25 to 35 percent slopes	1.1	--	1.1	--	--	--	--	--	--	1.1
MVP-ATWS-180A	Clifftop channery silt loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	--	--	--	1.0
MVP-ATWS-180A	Clifftop channery silt loam, 25 to 35 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-180A	Clifftop channery silt loam, 3 to 8 percent slopes	3.5	--	--	--	--	--	--	--	--	3.5
MVP-ATWS-180A	Clifftop channery silt loam, 8 to 15 percent slopes	5.1	--	5.1	--	--	--	--	--	--	5.1
MVP-ATWS-180A	Laidig channery silt loam, 8 to 15 percent slopes	0.1	--	--	--	0.1	--	--	--	--	0.1
MVP-ATWS-181	Clifftop channery silt loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	--	--	--	0.6
MVP-ATWS-181	Clifftop channery silt loam, 25 to 35 percent slopes	1.2	--	1.2	--	--	--	--	--	--	1.2
MVP-ATWS-181	Laidig channery silt loam, 8 to 15 percent slopes	0.3	--	--	--	0.3	--	--	--	--	0.3

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-181	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.4	--	--	--	--	--	0.4	0.4
MVP-ATWS-182	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.8	--	--	--	--	--	--	0.8
MVP-ATWS-184	Clifftop channery silt loam, 25 to 35 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-184	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-185	Clifftop channery silt loam, 25 to 35 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-186	Atkins loam	0.1	0.1	--	--	--	0.1	0.1	0.1	--	0.1
MVP-ATWS-186	Clifftop channery silt loam, 25 to 35 percent slopes	0.7	--	0.7	--	--	--	--	--	--	0.7
MVP-ATWS-188	Clifftop channery silt loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	--	--	--	0.6
MVP-ATWS-190	Pope-Potomac complex, very cobbly	--	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-193A	Cotaco silt loam, 3 to 8 percent slopes	1.8	--	--	--	--	--	--	--	--	1.8
MVP-ATWS-193A	Elkins silt loam, drained	0.4	--	--	--	--	0.4	0.4	0.4	--	0.4
MVP-ATWS-194	Elkins silt loam, drained	0.5	--	--	--	--	0.5	0.5	0.5	--	0.5
MVP-ATWS-195	Clifftop channery silt loam, 25 to 35 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-195	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-196	Clifftop channery silt loam, 25 to 35 percent slopes	0.6	--	0.6	--	--	--	--	--	--	0.6
MVP-ATWS-196	Clifftop channery silt loam, 3 to 8 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-196	Clifftop channery silt loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-197	Elkins silt loam, drained	0.8	--	--	--	--	0.8	0.8	0.8	--	0.8
MVP-ATWS-200	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.3	--	--	--	0.3	0.3

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-200	Lily loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-201	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.0	--	--	--	0.0	0.0
MVP-ATWS-201	Lily loam, 8 to 15 percent slopes	2.4	--	2.4	--	--	--	--	--	--	2.4
MVP-ATWS-202	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.2	--	--	--	0.2	0.2
MVP-ATWS-202	Lily loam, 3 to 8 percent slopes	3.5	--	--	--	--	--	--	--	--	3.5
MVP-ATWS-203	Lily loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-204	Clifftop channery silt loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	--	--	--	0.6
MVP-ATWS-206	Clifftop channery silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-206	Dekalb channery sandy loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	1.2	--	--	--	1.2	1.2
MVP-ATWS-206A	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.4	--	--	--	0.4	0.4
MVP-ATWS-206A	Dekalb channery sandy loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	0.1	--	--	--	0.1	0.1
MVP-ATWS-207	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.2	--	--	--	0.2	0.2
MVP-ATWS-208	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-208	Clifftop channery silt loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-208	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-208	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.0	--	--	--	0.0	0.0
MVP-ATWS-209	Clifftop channery silt loam, 8 to 15 percent slopes	1.7	--	1.7	--	--	--	--	--	--	1.7
MVP-ATWS-210	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-210	Clifftop channery silt loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	--	--	--	0.9

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-210A	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.7	--	--	--	--	--	0.7	0.7
MVP-ATWS-210A	Clifftop channery silt loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	--	--	--	0.6
MVP-ATWS-211	Buchanan channery fine sandy loam, 8 to 15 percent slopes, extremely stony	--	--	0.3	--	--	--	0.3	--	0.3	0.3
MVP-ATWS-211	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-211A	Buchanan channery fine sandy loam, 8 to 15 percent slopes, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0	0.0
MVP-ATWS-211A	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-212	Buchanan channery fine sandy loam, 8 to 15 percent slopes, extremely stony	--	--	0.4	--	--	--	0.4	--	0.4	0.4
MVP-ATWS-212	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-212A	Buchanan channery fine sandy loam, 8 to 15 percent slopes, extremely stony	--	--	0.2	--	--	--	0.2	--	0.2	0.2
MVP-ATWS-214	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.5	--	--	--	--	--	0.5	0.5
MVP-ATWS-215	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-216	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-216	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	0.5	--	0.5	--	--	--	0.5	0.5
MVP-ATWS-216A	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	0.4	--	0.4	--	--	--	0.4	0.4
MVP-ATWS-217	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-217	Itmann channery sandy loam, very steep	--	--	3.1	--	3.1	--	--	--	--	3.1

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-217A	Itmann channery sandy loam, very steep	--	--	5.9	--	5.9	--	--	--	--	5.9
MVP-ATWS-218	Udorthents, smoothed	--	--	--	--	--	--	--	--	--	0.6
MVP-ATWS-218A	Udorthents, smoothed	--	--	--	--	--	--	--	--	--	0.9
MVP-ATWS-219	Clifftop channery silt loam, 3 to 15 percent slopes, very stony	2.1	--	2.1	--	--	--	--	--	2.1	2.1
MVP-ATWS-219	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.0	--	--	--	0.0	0.0
MVP-ATWS-220	Clifftop channery silt loam, 8 to 15 percent slopes	1.8	--	1.8	--	--	--	--	--	--	1.8
MVP-ATWS-220A	Clifftop channery silt loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	--	--	--	0.6
MVP-ATWS-220A	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-221	Clifftop channery silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-221A	Clifftop channery silt loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-222	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-223	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.9	--	--	--	0.9	--	0.9	0.9
MVP-ATWS-223	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	1.5	--	--	--	--	--	1.5	1.5
MVP-ATWS-223A	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.3	--	--	--	0.3	--	0.3	0.3
MVP-ATWS-223A	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	1.7	--	--	--	--	--	1.7	1.7
MVP-ATWS-224	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-225	Clifftop channery silt loam, 3 to 15 percent slopes, very stony	0.3	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-226	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	0.0	--	0.0	--	--	--	0.0	0.0

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-226A	Clifftop channery silt loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-226A	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	0.5	--	0.5	--	--	--	0.5	0.5
MVP-ATWS-227	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.7	--	--	--	--	--	0.7	0.7
MVP-ATWS-227A	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-229	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.2	--	--	--	0.2	--	0.2	0.2
MVP-ATWS-230	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.2	--	--	--	0.2	--	0.2	0.2
MVP-ATWS-231	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-231	Clifftop channery silt loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-231A	Clifftop channery silt loam, 8 to 15 percent slopes	1.1	--	1.1	--	--	--	--	--	--	1.1
MVP-ATWS-232	Clifftop channery silt loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-232A	Clifftop channery silt loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-233	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.2	--	--	--	0.2	--	0.2	0.2
MVP-ATWS-233	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-233A	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.2	--	--	--	0.2	--	0.2	0.2
MVP-ATWS-234	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0	0.0
MVP-ATWS-234	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-234A	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1	0.1
MVP-ATWS-234A	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-235	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.4	--	--	--	--	--	0.4	0.4
MVP-ATWS-235A	Clifftop channery silt loam, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	--	--	--	1.2
MVP-ATWS-235A	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-236	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0	0.0
MVP-ATWS-236	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.5	--	--	--	--	--	0.5	0.5
MVP-ATWS-236A	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0	0.0
MVP-ATWS-236A	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.7	--	--	--	--	--	0.7	0.7
MVP-ATWS-237	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.6	--	--	--	--	--	0.6	0.6
MVP-ATWS-237	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-237A	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-237A	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-238	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.3	--	--	--	0.3	--	0.3	0.3
MVP-ATWS-239	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.9	--	--	--	--	--	0.9	0.9
MVP-ATWS-239A	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.4	--	--	--	--	--	0.4	0.4

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-240	Buchanan channery fine sandy loam, 8 to 15 percent slopes, extremely stony	--	--	0.2	--	--	--	0.2	--	0.2	0.2
MVP-ATWS-240B	Buchanan channery fine sandy loam, 8 to 15 percent slopes, extremely stony	--	--	0.5	--	--	--	0.5	--	0.5	0.5
MVP-ATWS-241	Buchanan channery fine sandy loam, 8 to 15 percent slopes, extremely stony	--	--	0.3	--	--	--	0.3	--	0.3	0.3
MVP-ATWS-241	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-241A	Buchanan channery fine sandy loam, 8 to 15 percent slopes, extremely stony	--	--	0.4	--	--	--	0.4	--	0.4	0.4
MVP-ATWS-242	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-243	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-243	Clifftop channery silt loam, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	--	--	--	1.4
MVP-ATWS-244	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1	0.1
MVP-ATWS-244A	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1	0.1
MVP-ATWS-244A	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.6	--	--	--	--	--	0.6	0.6
MVP-ATWS-244B	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.2	--	--	--	0.2	--	0.2	0.2
MVP-ATWS-244B	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-246	Dekalb channery sandy loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	0.4	--	--	--	0.4	0.4

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-247	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.2	--	--	--	0.2	--	0.2	0.2
MVP-ATWS-247	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-247B	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1	0.1
MVP-ATWS-247B	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-248	Dekalb channery sandy loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	0.7	--	--	--	0.7	0.7
MVP-ATWS-249	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.3	--	--	--	0.3	--	0.3	0.3
MVP-ATWS-249A	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.3	--	--	--	0.3	--	0.3	0.3
MVP-ATWS-250	Clifftop channery silt loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-250	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-250A	Clifftop channery silt loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-250A	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-251	Clifftop channery silt loam, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	--	--	--	0.9
MVP-ATWS-252	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.5	--	--	--	0.5	--	0.5	0.5
MVP-ATWS-252	Pope-Craigsville complex	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-253	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.4	--	--	--	0.4	--	0.4	0.4
MVP-ATWS-253	Kaymine channery loam, very steep, extremely stony	--	--	0.3	--	--	--	--	--	0.3	0.3

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-254	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-255	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-255	Clifftop channery silt loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	--	--	--	0.9
MVP-ATWS-255A	Clifftop channery silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-255B	Clifftop channery silt loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-255C	Clifftop channery silt loam, 8 to 15 percent slopes	6.8	--	6.8	--	--	--	--	--	--	6.8
MVP-ATWS-257	Clifftop channery silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-257A	Clifftop channery silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-258	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.6	--	--	--	--	--	0.6	0.6
MVP-ATWS-258	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.6	--	--	--	--	--	--	--	0.6	0.6
MVP-ATWS-258A	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-258A	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.1	--	--	--	--	--	--	--	0.1	0.1
MVP-ATWS-259	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.7	--	--	--	--	--	--	--	0.7	0.7
MVP-ATWS-259A	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.0	--	--	--	--	--	--	--	0.0	0.0
MVP-ATWS-260	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.3	--	--	--	--	--	--	--	0.3	0.3
MVP-ATWS-260A	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.2	--	--	--	--	--	--	--	0.2	0.2
MVP-ATWS-261	Cookport loam, 3 to 8 percent slopes	0.0	--	--	--	--	--	0.0	--	--	0.0
MVP-ATWS-261	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.5	--	--	--	--	--	--	--	0.5	0.5

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-264	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.4	--	--	--	--	--	0.4	0.4
MVP-ATWS-264	Gilpin channery silt loam, moist, 8 to 15 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-267	Kaymine-rock outcrop complex, very steep	--	--	0.8	--	--	--	--	--	--	0.8
MVP-ATWS-268	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.6	--	--	--	--	--	--	--	0.6	0.6
MVP-ATWS-268	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-269	Atkins-Philo-Potomac complex	0.1	0.1	--	--	--	0.1	0.1	0.1	--	0.1
MVP-ATWS-269	Macove channery silt loam, 3 to 15 percent slopes, very stony	0.2	--	--	--	--	--	--	--	0.2	0.2
MVP-ATWS-270	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.5	--	--	--	--	--	--	--	0.5	0.5
MVP-ATWS-271	Macove channery silt loam, 15 to 35 percent slopes, very stony	--	--	--	--	--	--	--	--	0.0	0.0
MVP-ATWS-271	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-271A	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-272	Macove channery silt loam, 15 to 35 percent slopes, very stony	--	--	--	--	--	--	--	--	0.3	0.3
MVP-ATWS-272A	Macove channery silt loam, 15 to 35 percent slopes, very stony	--	--	--	--	--	--	--	--	0.1	0.1
MVP-ATWS-272A	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-272A	Zoar silt loam, 0 to 3 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-273A	Pope fine sandy loam, warm, 0 to 3 percent slopes, occasionally flooded	1.8	--	--	--	--	--	--	--	--	1.8
MVP-ATWS-274	Macove channery silt loam, 15 to 35 percent slopes, very stony	--	--	--	--	--	--	--	--	0.1	0.1
MVP-ATWS-274	Zoar silt loam, 0 to 3 percent slopes	0.5	--	--	--	--	--	--	--	--	0.5

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-274A	Pope fine sandy loam, warm, 0 to 3 percent slopes, occasionally flooded	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-274A	Zoar silt loam, 0 to 3 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-275	Gilpin channery silt loam, moist, 15 to 25 percent slopes	2.0	--	2.0	--	--	--	--	--	--	2.0
MVP-ATWS-277	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.4	--	--	--	--	--	--	--	0.4	0.4
MVP-ATWS-278A	Lobdell silt loam	0.7	--	--	--	--	--	--	--	--	0.7
MVP-ATWS-278A	Zoar silt loam, 0 to 3 percent slopes	0.4	--	--	--	--	--	--	--	--	0.4
MVP-ATWS-280	Culleoka loam, 35 to 55 percent slopes, very stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-280	Zoar silt loam, 0 to 3 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-280A	Culleoka loam, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-280A	Zoar silt loam, 0 to 3 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-280B	Culleoka loam, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-281A	Gilpin channery silt loam, moist, 8 to 15 percent slopes	0.8	--	--	--	--	--	--	--	--	0.8
MVP-ATWS-281A	Lily sandy loam, 8 to 15 percent slopes	0.3	--	--	--	--	--	--	--	--	0.3
MVP-ATWS-282A	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.8	--	--	--	--	--	--	--	0.8	0.8
MVP-ATWS-283	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.1	--	--	--	--	--	--	--	0.1	0.1
MVP-ATWS-283A	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.1	--	--	--	--	--	--	--	0.1	0.1
MVP-ATWS-283B	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.4	--	--	--	--	--	--	--	0.4	0.4
MVP-ATWS-283B	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-285	Cateache silt loam, 3 to 15 percent slopes, very stony	0.7	--	--	--	--	--	--	--	0.7	0.7
MVP-ATWS-285	Culleoka loam, 35 to 55 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-286	Culleoka loam, 35 to 55 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-286	Macove channery silt loam, 3 to 15 percent slopes, very stony	0.3	--	--	--	--	--	--	--	0.3	0.3
MVP-ATWS-286A	Macove channery silt loam, 3 to 15 percent slopes, very stony	0.0	--	--	--	--	--	--	--	0.0	0.0
MVP-ATWS-287	Cateache silt loam, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	--	--	--	0.8
MVP-ATWS-287	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-287A	Cateache silt loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-287A	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-291A	Melvin-Lindside complex	0.1	--	--	--	--	0.1	0.1	0.1	--	0.1
MVP-ATWS-291A	Zoar silt loam, 0 to 3 percent slopes	0.4	--	--	--	--	--	--	--	--	0.4
MVP-ATWS-292	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-292A	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-293	Cateache-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-293	Gilpin silt loam, 8 to 15 percent slopes	1.1	--	1.1	--	--	--	--	--	--	1.1
MVP-ATWS-293A	Cateache-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-293A	Gilpin silt loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-294	Gilpin silt loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-294	Lily loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-294A	Lily loam, 3 to 8 percent slopes	0.6	--	--	--	--	--	--	--	--	0.6
MVP-ATWS-296	Gilpin silt loam, warm, 3 to 8 percent slopes	1.6	--	--	--	--	--	--	--	--	1.6
MVP-ATWS-296	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-297	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-298	Lily loam, 3 to 8 percent slopes	0.6	--	--	--	--	--	--	--	--	0.6
MVP-ATWS-299	Lily loam, 3 to 8 percent slopes	2.0	--	--	--	--	--	--	--	--	2.0
MVP-ATWS-300	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	0.9	--	0.9	--	--	--	--	--	--	0.9
MVP-ATWS-301	Shouns silt loam, 15 to 30 percent slopes, very stony	0.1	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-302	Cateache silt loam, 3 to 15 percent slopes	0.8	--	0.8	--	--	--	--	--	--	0.8
MVP-ATWS-302	Dekalb channery fine sandy loam, 3 to 15 percent slopes	0.1	--	--	--	0.1	--	--	--	--	0.1
MVP-ATWS-304A	Cateache-Berks channery silt loams, 15 to 30 percent slopes	1.1	--	1.1	--	--	--	--	--	--	1.1
MVP-ATWS-304A	Cateache-Berks channery silt loams, 15 to 30 percent slopes, very stony	0.2	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-306	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-306	Lily loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-307	Cateache-Berks channery silt loams, 15 to 30 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-307	Cateache-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-307	Gilpin silt loam, warm, 3 to 8 percent slopes	0.4	--	--	--	--	--	--	--	--	0.4
MVP-ATWS-307	Lily loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-308	Cateache-Berks channery silt loams, 15 to 30 percent slopes, very stony	1.2	--	1.2	--	--	--	--	--	1.2	1.2
MVP-ATWS-308	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.4	--	--	--	--	--	0.4	0.4
MVP-ATWS-308	Lily loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-309	Cateache-Berks channery silt loams, 15 to 30 percent slopes, very stony	0.0	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-309	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.7	--	--	--	--	--	0.7	0.7
MVP-ATWS-309	Gilpin silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-310	Lobdell loam	1.5	1.5	--	--	--	1.5	--	--	--	1.5
MVP-ATWS-310	Shouns silt loam, 8 to 15 percent slopes	6.1	--	6.1	--	--	--	--	--	--	6.1
MVP-ATWS-310A	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.5	--	--	--	--	--	0.5	0.5
MVP-ATWS-310A	Lobdell loam	0.2	0.2	--	--	--	0.2	--	--	--	0.2
MVP-ATWS-310A	Shouns silt loam, 15 to 30 percent slopes	1.4	--	1.4	--	--	--	--	--	--	1.4
MVP-ATWS-312	Monongahela silt loam, warm, 3 to 8 percent slopes	0.5	--	--	--	--	--	--	--	--	0.5
MVP-ATWS-312	Shouns silt loam, 15 to 30 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-312	Tygart silt loam, 0 to 3 percent slopes	1.2	1.2	--	--	--	1.2	1.2	--	--	1.2
MVP-ATWS-312A	Monongahela silt loam, warm, 3 to 8 percent slopes	3.9	--	--	--	--	--	--	--	--	3.9
MVP-ATWS-312A	Shouns silt loam, 15 to 30 percent slopes	0.6	--	0.6	--	--	--	--	--	--	0.6
MVP-ATWS-312A	Tygart silt loam, 0 to 3 percent slopes	1.8	1.8	--	--	--	1.8	1.8	--	--	1.8

Attachment DR3 Soils-1c

Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-313	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	1.0	--	--	--	--	--	1.0	1.0
MVP-ATWS-313	Shouns silt loam, 15 to 30 percent slopes	1.1	--	1.1	--	--	--	--	--	--	1.1
MVP-ATWS-314A	Cateache-Berks channery silt loams, 15 to 30 percent slopes	0.5	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-314A	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-314A	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-315A	Lobdell loam	0.2	0.2	--	--	--	0.2	--	--	--	0.2
MVP-ATWS-316	Gilpin-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.9	--	--	--	--	--	--	0.9
MVP-ATWS-316	Lily loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-317	Frederick silt loam, 3 to 15 percent slopes	2.8	--	--	--	--	--	--	--	--	2.8
MVP-ATWS-318	Frederick silt loam, 3 to 15 percent slopes	0.8	--	--	--	--	--	--	--	--	0.8
MVP-ATWS-318A	Frederick silt loam, 3 to 15 percent slopes	0.7	--	--	--	--	--	--	--	--	0.7
MVP-ATWS-319	Cateache-Berks channery silt loams, 3 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-319	Westmoreland silt loam, 3 to 15 percent slopes	1.8	--	1.8	--	--	--	--	--	--	1.8
MVP-ATWS-319A	Westmoreland silt loam, 3 to 15 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-320	Cateache-Berks channery silt loams, 3 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-320	Westmoreland silt loam, 3 to 15 percent slopes	0.5	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-320A	Westmoreland silt loam, 3 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-321	Cateache-Litz complex, 35 to 55 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-322	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-322	Cateache-Litz complex, 35 to 55 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-322	Litz-Cateache complex, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-323	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-323	Litz-Cateache complex, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-323A	Cateache-Litz complex, 35 to 55 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-323A	Litz-Cateache complex, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-324	Cateache-Litz complex, 35 to 55 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-325	Cateache-Litz complex, 15 to 25 perecnt slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-325	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.9	--	--	--	--	--	--	0.9
MVP-ATWS-325A	Cateache-Litz complex, 15 to 25 perecnt slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-325A	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-326	Cateache-Litz complex, 15 to 25 perecnt slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-326	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-327	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-327A	Cateache-Litz complex, 25 to 35 percent slopes	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-328	Cateache-Litz complex, 25 to 35 percent slopes	--	--	1.2	--	--	--	--	--	--	1.2
MVP-ATWS-328A	Cateache-Litz complex, 25 to 35 percent slopes	--	--	3.5	--	--	--	--	--	--	3.5

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-330	Rough very channery silt loam, 25 to 35 percent slopes	--	--	0.2	--	0.2	--	--	--	--	0.2
MVP-ATWS-331	Litz channery silt loam, 15 to 25 percent slopes	1.1	--	1.1	--	1.1	--	--	--	--	1.1
MVP-ATWS-331	Udifluvents-Fluvaquents complex	0.4	--	--	--	--	--	0.4	0.4	--	0.4
MVP-ATWS-332	Water	--	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-332	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.5	--	0.5	--	--	--	--	0.5
MVP-ATWS-334	Litz channery silt loam, 35 to 60 percent slopes	--	--	0.2	--	0.2	--	--	--	--	0.2
MVP-ATWS-336	Weikert channery silt loam, 8 to 15 percent slopes	0.5	--	--	--	0.5	--	--	--	--	0.5
MVP-ATWS-337	Blackthorn very channery loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-337	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	0.0	--	0.0	--	--	--	0.0	0.0
MVP-ATWS-337	Dekalb channery loam, 55 to 70 percent slopes, very stony	--	--	0.0	--	0.0	--	--	--	0.0	0.0
MVP-ATWS-338	Lily sandy loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	--	--	--	0.7
MVP-ATWS-338	Lily sandy loam, 8 to 15 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-338A	Lily sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-338A	Lily sandy loam, 8 to 15 percent slopes	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-339A	Allegheny loam, 2 to 7 percent slopes	0.3	--	--	--	--	--	--	--	--	0.3
MVP-ATWS-340	Cotaco loam, 2 to 7 percent slopes	0.8	--	--	--	--	--	--	--	--	0.8
MVP-ATWS-341	Faywood silt loam, 10 to 30 percent slopes	--	--	0.8	--	--	--	--	--	--	0.8
MVP-ATWS-343	Cullasaja-Tuckasegee complex, 25 to 60 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-343	Edneytown-Sauratown complex, 15 to 25 percent slopes, very stony	0.1	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-344	Cullasaja-Tuckasegee complex, 15 to 25 percent slopes, very stony	--	--	0.9	--	--	--	--	--	0.9	0.9
MVP-ATWS-345	Wintergreen loam, 8 to 15 percent slopes	2.6	--	2.6	--	--	--	--	--	--	2.6
MVP-ATWS-345A	Wintergreen loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	--	--	--	0.9
MVP-ATWS-346	Clifford fine sandy loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	--	--	--	0.9
MVP-ATWS-347	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-347	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-348	Clifford fine sandy loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	--	--	--	0.9
MVP-ATWS-349	Clifford fine sandy loam, 15 to 25 percent slopes	1.9	--	1.9	--	--	--	--	--	--	1.9
MVP-ATWS-349	Clifford fine sandy loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-350	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-351	Clifford fine sandy loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-351	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-351	Wintergreen loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-351A	Clifford fine sandy loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	--	--	--	0.6
MVP-ATWS-351A	Wintergreen loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-352	Clifford fine sandy loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-353	Clifford fine sandy loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-354	Clifford fine sandy loam, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	--	--	--	0.7
MVP-ATWS-356	Clifford fine sandy loam, 8 to 15 percent slopes	1.1	--	1.1	--	--	--	--	--	--	1.1
MVP-ATWS-358	Clifford fine sandy loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-358A	Clifford fine sandy loam, 15 to 25 percent slopes	0.7	--	0.7	--	--	--	--	--	--	0.7
MVP-ATWS-358A	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-359	Clifford fine sandy loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	--	--	--	0.9
MVP-ATWS-360	Clifford fine sandy loam, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	--	--	--	0.9
MVP-ATWS-361	Clifford fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-361	Clifford fine sandy loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-362	Minnieville loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	--	--	--	1.0
MVP-ATWS-363	Clifford fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-363	Clifford fine sandy loam, 2 to 8 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-363	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-365	Clifford fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-365	Clifford fine sandy loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-366	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-367	Clifford fine sandy loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-368	Clifford fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-368	Clifford fine sandy loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	--	--	--	0.6
MVP-ATWS-369	Clifford fine sandy loam, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	--	--	--	0.7
MVP-ATWS-370	Clifford fine sandy loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	--	--	--	0.9
MVP-ATWS-371	Bluemount-Redbrush-Spriggs complex, 15 to 25 percent slopes, stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-371	Clifford fine sandy loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-372	Jackland-Mirerock-Redbrush complex, 2 to 8 percent slopes	--	0.3	--	--	--	--	0.3	--	--	0.3
MVP-ATWS-372	Jackland-Mirerock-Redbrush complex, 8 to 15 percent slopes	--	--	0.2	--	--	--	0.2	--	--	0.2
MVP-ATWS-373	Jackland-Mirerock-Redbrush complex, 2 to 8 percent slopes	--	1.1	--	--	--	--	1.1	--	--	1.1
MVP-ATWS-374	Clifford fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-375	Clifford fine sandy loam, 2 to 8 percent slopes	0.3	--	--	--	--	--	--	--	--	0.3
MVP-ATWS-375	Clifford fine sandy loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-376	Clifford fine sandy loam, 2 to 8 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-376	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-377	Littlejoe-Strawfield-Penhook complex, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-378	Littlejoe-Strawfield-Penhook complex, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	--	--	--	0.6
MVP-ATWS-379	Littlejoe-Strawfield-Penhook complex, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-380	Minnieville loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-382	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	1.4	--	--	--	--	--	--	--	--	1.4
MVP-ATWS-382	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-382A	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.5	--	--	--	--	--	--	--	--	0.5
MVP-ATWS-383	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-383	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	1.1	--	--	--	--	--	--	1.1
MVP-ATWS-383A	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-383A	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	--	--	--	0.4
MVP-ATWS-383A	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-384	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	1.5	--	--	--	--	--	--	1.5
MVP-ATWS-384A	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	0.8	--	--	--	--	--	--	0.8
MVP-ATWS-385	Madison fine sandy loam, 25 to 45 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-386	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.5	--	--	--	--	--	--	--	--	0.5
MVP-ATWS-386	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.1	--	--	--	--	--	--	--	--	1.1
MVP-ATWS-388A	Toccoa fine sandy loam, 0 to 2 percent slopes, occasionally flooded	1.1	--	--	--	--	--	--	--	--	1.1
MVP-ATWS-389	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	1.1	--	--	--	--	--	--	--	--	1.1
MVP-ATWS-389	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-389A	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.0	--	--	--	--	--	--	--	--	0.0

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-389A	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	--	--	--	0.5
MVP-ATWS-391	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	--	--	--	0.3
MVP-ATWS-391	Madison fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-392	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-392	Madison fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-398	Cecil sandy loam, 2 to 7 percent slopes	5.4	--	--	--	--	--	--	--	--	5.4
MVP-ATWS-398	Cecil sandy loam, 7 to 15 percent slopes	3.0	--	3.0	--	--	--	--	--	--	3.0
MVP-ATWS-399	Cecil sandy loam, 2 to 7 percent slopes	2.1	--	--	--	--	--	--	--	--	2.1
MVP-ATWS-399A	Cecil sandy loam, 2 to 7 percent slopes	2.6	--	--	--	--	--	--	--	--	2.6
MVP-ATWS-400	Cecil sandy loam, 2 to 7 percent slopes	0.3	--	--	--	--	--	--	--	--	0.3
MVP-ATWS-400A	Cecil sandy loam, 2 to 7 percent slopes	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-401	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	--	--	--	--	--	--	--	--	--	0.9
MVP-ATWS-401A	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	--	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-401A	Madison fine sandy loam, 15 to 25 percent slopes	1.1	--	1.1	--	--	--	--	--	--	1.1
MVP-ATWS-403	Vandalia silty clay loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-403A	Vandalia silty clay loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-404	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-404A	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-405	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-405	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-406	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.7	--	--	--	--	--	--	0.7
MVP-ATWS-406	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.1	0.1	--	0.1
MVP-ATWS-407	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-407A	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-409	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-410	Gilpin-Peabody complex, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-412	Gilpin-Peabody complex, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-413	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-413	Gilpin-Upshur complex, 8 to 15 percent slopes, severely eroded	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-413A	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-414	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-414A	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.8	--	--	--	--	--	--	0.8
MVP-ATWS-415	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-415A	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-417	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-418	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-418	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-419	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.6	--	--	--	--	--	0.6	0.6
MVP-ATWS-419A	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-420	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-420	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-421	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-421A	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.6	--	--	--	--	--	--	0.6
MVP-ATWS-422	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-422A	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-423	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-423A	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-425A	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-426	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-427	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-428	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.6	--	--	--	--	--	--	0.6
MVP-ATWS-429	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-430	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-430A	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-430B	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-431	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-432	Udorthents, smoothed	--	--	--	--	--	--	--	--	--	0.3
MVP-ATWS-433	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-433A	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-433A	Udorthents, smoothed	--	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-435	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-435	Vandalia silt loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-436	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-436	Vandalia silt loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	--	--	--	1.0
MVP-ATWS-438	Vandalia silt loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-438	Vandalia silt loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-439	Sensabaugh silt loam, 0 to 3 percent slopes, occasionally flooded	0.1	0.1	--	--	--	0.1	--	--	--	0.1
MVP-ATWS-440	Gilpin-Lily complex, 25 to 35 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-440	Pope sandy loam	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-440A	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.1	0.1
MVP-ATWS-440A	Pope sandy loam	0.3	--	--	--	--	--	--	--	--	0.3
MVP-ATWS-441	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-441	Gilpin-Lily complex, 25 to 35 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-441A	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-442	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.5	--	--	--	--	--	0.5	0.5
MVP-ATWS-442	Gilpin-Lily complex, 25 to 35 percent slopes	0.7	--	0.7	--	--	--	--	--	--	0.7
MVP-ATWS-443	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-443A	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-445	Chavies fine sandy loam, moist, 0 to 3 percent slopes, rarely flooded	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-447	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-449	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.5	--	--	--	--	--	0.5	0.5
MVP-ATWS-450	Gilpin silt loam, 3 to 15 percent slopes, very stony	0.4	--	0.4	--	--	--	--	--	0.4	0.4
MVP-ATWS-451	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.6	--	--	--	--	--	0.6	0.6
MVP-ATWS-452	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	0.2	--	0.2	--	--	--	0.2	0.2
MVP-ATWS-452	Pope loam	0.3	--	--	--	--	--	--	--	--	0.3
MVP-ATWS-453	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	0.1	--	--	--	0.1	0.1
MVP-ATWS-454	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	0.1	--	--	--	0.1	0.1
MVP-ATWS-454A	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	0.1	--	--	--	0.1	0.1
MVP-ATWS-454A	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.0	--	--	--	--	--	0.0	0.0

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-455	Gilpin silt loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-455	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.4	--	--	--	--	--	0.4	0.4
MVP-ATWS-456	Clifftop channery silt loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-457	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-458	Pope silt loam	0.7	--	--	--	--	--	--	--	--	0.7
MVP-ATWS-458	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.7	0.7	--	0.7
MVP-ATWS-460	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-460	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-461	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.6	--	--	--	--	--	--	0.6
MVP-ATWS-462	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-462	Vandalia silt loam, 25 to 35 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-463	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-463A	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-464	Faywood silt loam, 30 to 65 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-464	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	--	--	0.8	0.8
MVP-ATWS-465	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	0.8	--	--	--	--	--	--	0.8
MVP-ATWS-466	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-466	Frederick very stony silt loam, 25 to 35 percent slopes	--	--	0.6	--	--	--	--	--	0.6	0.6

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-467	Nolichucky loam, 2 to 7 percent slopes	0.5	--	--	--	--	--	--	--	--	0.5
MVP-ATWS-469	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	--	--	0.3	0.3
MVP-ATWS-470	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	--	--	2.8	2.8
MVP-ATWS-471	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	--	--	0.6	0.6
MVP-ATWS-472	McGary and Purdy soils	0.3	0.3	--	--	--	--	0.3	0.3	--	0.3
MVP-ATWS-472	Weaver soils	0.3	0.3	--	--	--	0.3	--	--	--	0.3
MVP-ATWS-472A	Guernsey silt loam, 2 to 7 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-472A	Weaver soils	0.4	0.4	--	--	--	0.4	--	--	--	0.4
MVP-ATWS-473	Carbo and Chilhowie soils, 7 to 15 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-473	McGary and Purdy soils	0.3	0.3	--	--	--	--	0.3	0.3	--	0.3
MVP-ATWS-473	Ross soils	3.1	3.1	--	--	--	3.1	--	--	--	3.1
MVP-ATWS-473	Weaver soils	0.9	0.9	--	--	--	0.9	--	--	--	0.9
MVP-ATWS-473A	Guernsey silt loam, 2 to 7 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-473A	Ross soils	0.3	0.3	--	--	--	0.3	--	--	--	0.3
MVP-ATWS-473A	Weaver soils	0.3	0.3	--	--	--	0.3	--	--	--	0.3
MVP-ATWS-474	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-474	Carbo and Chilhowie soils, 15 to 25 percent slopes	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-474	Carbo and Chilhowie soils, 7 to 15 percent slopes	--	--	0.6	--	--	--	--	--	--	0.6
MVP-ATWS-474	Hayter soils, 7 to 15 percent slopes	0.1	0.1	--	--	--	0.1	--	--	--	0.1
MVP-ATWS-475	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-476	Gilpin-Upshur silt loams, 15 to 25 percent slopes	1.1	--	1.1	--	--	--	--	--	--	1.1

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-477	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-477A	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-478	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-479	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-479	Vandalia silt loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-480	Sensabaugh silt loam	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-480	Vandalia silt loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-482	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-483	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-483A	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-485	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-485A	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.5	--	--	--	--	--	0.5	0.5
MVP-ATWS-486	Madison fine sandy loam, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	--	--	--	0.8
MVP-ATWS-487	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	--	--	--	--	--	--	--	--	--	0.8
MVP-ATWS-487	Madison fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-488	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-489A	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	--	--	--	0.0

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-489A	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-489A	Madison fine sandy loam, 25 to 45 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-492	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-492	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-492A	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-493	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	--	--	--	0.5
MVP-ATWS-494	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.3	--	--	--	--	--	--	--	--	0.3
MVP-ATWS-494	Madison fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-497	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	1.5	--	--	--	--	--	--	--	--	1.5
MVP-ATWS-498	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.7	--	--	--	--	--	--	--	--	0.7
MVP-ATWS-498	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.3	--	--	--	--	--	--	--	--	0.3
MVP-ATWS-499A	Appling sandy loam, 7 to 15 percent slopes	2.4	--	2.4	--	--	--	--	--	--	2.4
MVP-ATWS-499A	Cecil sandy loam, 2 to 7 percent slopes	0.7	--	--	--	--	--	--	--	--	0.7
MVP-ATWS-500	Appling sandy loam, 2 to 7 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-500	Appling sandy loam, 7 to 15 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-500	Cecil sandy loam, 2 to 7 percent slopes	0.4	--	--	--	--	--	--	--	--	0.4
MVP-ATWS-500A	Appling sandy loam, 2 to 7 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-500A	Appling sandy loam, 7 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-504	Cecil sandy loam, 2 to 7 percent slopes	1.3	--	--	--	--	--	--	--	--	1.3
MVP-ATWS-505	Cecil sandy loam, 2 to 7 percent slopes	0.4	--	--	--	--	--	--	--	--	0.4
MVP-ATWS-505A	Cecil sandy loam, 2 to 7 percent slopes	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-506	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.4	--	--	--	--	--	--	--	--	0.4
MVP-ATWS-506	Cecil sandy loam, 2 to 7 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-507	Ashe-Edneyville-Peaks complex, 8 to 15 percent slopes, very stony	--	--	--	--	--	--	--	--	0.2	0.2
MVP-ATWS-507	Edneyville fine sandy loam, 2 to 7 percent slopes	0.4	--	--	--	--	--	--	--	--	0.4
MVP-ATWS-507A	Ashe-Edneyville-Peaks complex, 8 to 15 percent slopes, very stony	--	--	--	--	--	--	--	--	0.1	0.1
MVP-ATWS-507A	Edneyville fine sandy loam, 2 to 7 percent slopes	0.3	--	--	--	--	--	--	--	--	0.3
MVP-ATWS-515	Clifford fine sandy loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-515	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-515A	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-515A	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-516	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-516A	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-518	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-518	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-519	Clifford fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-519	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-521	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-521A	Clifford fine sandy loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-523	Clifford fine sandy loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-523	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-524	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-524A	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-524A	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-525	Clifford fine sandy loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-526	Clifford fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-526	Clifford fine sandy loam, 2 to 8 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-526	Clifford fine sandy loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-526A	Clifford fine sandy loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	--	--	--	0.6
MVP-ATWS-526B	Clifford fine sandy loam, 2 to 8 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-526B	Clifford fine sandy loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-527	Clifford fine sandy loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-528	Clifford fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-528	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-529	Clifford fine sandy loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-530	Clifford fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-530	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-531	Clifford fine sandy loam, 2 to 8 percent slopes	0.9	--	--	--	--	--	--	--	--	0.9
MVP-ATWS-531	Clifford fine sandy loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-531A	Clifford fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-531A	Clifford fine sandy loam, 2 to 8 percent slopes	0.3	--	--	--	--	--	--	--	--	0.3
MVP-ATWS-531A	Clifford fine sandy loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-532	Clifford fine sandy loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-532	Clifford fine sandy loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-533	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-534	Clifford fine sandy loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-534	Clifford fine sandy loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-536	Clifford fine sandy loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-536A	Clifford fine sandy loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-539	Clifford fine sandy loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-540	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-541	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.3	--	--	--	--	--	--	0.3

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-545	Clifford fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-546	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-546	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.4	--	--	--	--	--	--	--	--	0.4
MVP-ATWS-547	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-547	Madison fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-547A	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-547B	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	--	--	--	0.3
MVP-ATWS-548	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.7	--	--	--	--	--	--	--	--	0.7
MVP-ATWS-548	Madison fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-549	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-549	Madison fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-550	Lily loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	--	--	--	1.0
MVP-ATWS-551	Monongahela silt loam, warm, 3 to 8 percent slopes	1.0	--	--	--	--	--	--	--	--	1.0
MVP-ATWS-552	Monongahela silt loam, warm, 3 to 8 percent slopes	0.4	--	--	--	--	--	--	--	--	0.4
MVP-ATWS-554	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-555	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-555	Shouns silt loam, 15 to 30 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-556	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-557	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.8	--	--	--	--	--	0.8	0.8
MVP-ATWS-557A	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.4	--	--	--	--	--	0.4	0.4
MVP-ATWS-558	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	1.5	--	--	--	--	--	1.5	1.5
MVP-ATWS-558	Shouns silt loam, 3 to 8 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-558	Udifluvents and Psamments, frequently flooded	1.5	--	--	--	--	--	--	--	--	1.5
MVP-ATWS-558A	Udifluvents and Psamments, frequently flooded	0.4	--	--	--	--	--	--	--	--	0.4
MVP-ATWS-559	Chagrin loam	0.4	0.4	--	--	--	0.4	--	--	--	0.4
MVP-ATWS-559	Kanawha fine sandy loam	2.5	--	--	--	--	--	--	--	--	2.5
MVP-ATWS-559	Monongahela silt loam, warm, 3 to 8 percent slopes	1.7	--	--	--	--	--	--	--	--	1.7
MVP-ATWS-559A	Chagrin loam	2.7	2.7	--	--	--	2.7	--	--	--	2.7
MVP-ATWS-559A	Kanawha fine sandy loam	3.8	--	--	--	--	--	--	--	--	3.8
MVP-ATWS-559A	Monongahela silt loam, warm, 3 to 8 percent slopes	0.9	--	--	--	--	--	--	--	--	0.9
MVP-ATWS-559B	Monongahela silt loam, warm, 3 to 8 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-562	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.5	--	--	--	--	--	--	--	--	0.5
MVP-ATWS-564	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-564A	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-566	Clifford fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-566	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-568	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	1.5	--	--	--	--	--	--	1.5
MVP-ATWS-568	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.3	--	--	--	--	--	--	--	--	0.3
MVP-ATWS-569A	Clifford fine sandy loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-569A	Clifford fine sandy loam, 8 to 15 percent slopes	2.6	--	2.6	--	--	--	--	--	--	2.6
MVP-ATWS-571	Colescreek-Delanco complex, 2 to 8 percent slopes, rarely flooded	0.3	0.3	--	--	--	--	--	--	--	0.3
MVP-ATWS-571	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.4	--	--	--	--	--	--	--	--	0.4
MVP-ATWS-571	Elsinboro-Colescreek complex, 2 to 8 percent slopes, rarely flooded	0.3	--	--	--	--	--	--	--	--	0.3
MVP-ATWS-574	Clifford fine sandy loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-575	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-575	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-576	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-576	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-576A	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-576A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-577	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.7	--	--	--	--	--	--	0.7
MVP-ATWS-577A	Clifford fine sandy loam, 8 to 15 percent slopes	2.8	--	2.8	--	--	--	--	--	--	2.8
MVP-ATWS-577A	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	1.6	--	--	--	--	--	--	1.6

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-578	Clifford fine sandy loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-583	Clifford fine sandy loam, 8 to 15 percent slopes	3.0	--	3.0	--	--	--	--	--	--	3.0
MVP-ATWS-585	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.5	--	--	--	0.5	--	0.5	0.5
MVP-ATWS-585A	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.6	--	--	--	0.6	--	0.6	0.6
MVP-ATWS-585B	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.2	--	--	--	0.2	--	0.2	0.2
MVP-ATWS-585B	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-588	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-588	Clifftop channery silt loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-590	Buchanan channery fine sandy loam, 8 to 15 percent slopes, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0	0.0
MVP-ATWS-590	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-591	Buchanan channery fine sandy loam, 8 to 15 percent slopes, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0	0.0
MVP-ATWS-591	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-592	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0	0.0
MVP-ATWS-592	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.9	--	--	--	--	--	1.9	1.9
MVP-ATWS-592	Clifftop channery silt loam, 8 to 15 percent slopes	1.8	--	1.8	--	--	--	--	--	--	1.8

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-593	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0	0.0
MVP-ATWS-593	Buchanan loam, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	0.9	--	--	0.9
MVP-ATWS-593	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-593	Clifftop channery silt loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	--	--	--	1.0
MVP-ATWS-593A	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.2	--	--	--	0.2	--	0.2	0.2
MVP-ATWS-593A	Buchanan loam, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	1.4	--	--	1.4
MVP-ATWS-593A	Clifftop channery silt loam, 8 to 15 percent slopes	1.6	--	1.6	--	--	--	--	--	--	1.6
MVP-ATWS-594	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.4	--	--	--	0.4	--	0.4	0.4
MVP-ATWS-594	Buchanan loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	0.3	--	--	0.3
MVP-ATWS-594	Clifftop channery silt loam, 15 to 25 percent slopes	3.7	--	3.7	--	--	--	--	--	--	3.7
MVP-ATWS-594	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-595	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-596	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-596	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	0.3	--	0.3	--	--	--	0.3	0.3
MVP-ATWS-598	Clifftop channery silt loam, 3 to 8 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-598	Clifftop channery silt loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	--	--	--	0.5

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-599	Clifftop channery silt loam, 3 to 8 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-599	Clifftop channery silt loam, 8 to 15 percent slopes	1.7	--	1.7	--	--	--	--	--	--	1.7
MVP-ATWS-600	Clifftop channery silt loam, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	--	--	--	0.7
MVP-ATWS-601	Macove channery silt loam, 3 to 15 percent slopes, very stony	0.2	--	--	--	--	--	--	--	0.2	0.2
MVP-ATWS-603	Gilpin channery silt loam, moist, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-603	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-603A	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-604	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	1.8	--	--	--	--	--	1.8	1.8
MVP-ATWS-605	Melvin-Lindside complex	5.3	--	--	--	--	5.3	5.3	5.3	--	5.3
MVP-ATWS-605	Melvin-Lindside complex, 0 to 3 percent slopes, frequently flooded	0.1	--	--	--	--	0.1	0.1	0.1	--	0.1
MVP-ATWS-605	Zoar silt loam, 0 to 3 percent slopes	1.7	--	--	--	--	--	--	--	--	1.7
MVP-ATWS-606	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.6	--	--	--	--	--	0.6	0.6
MVP-ATWS-606A	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.6	--	--	--	--	--	0.6	0.6
MVP-ATWS-608	Gilpin-Lily complex, 25 to 35 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-608	Gilpin-Lily complex, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-608A	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-608A	Gilpin-Lily complex, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-608B	Gilpin-Lily complex, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-610	Nolichucky loam, 7 to 15 percent slopes	3.0	--	3.0	--	--	--	--	--	--	3.0
MVP-ATWS-610	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-610	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.5	--	--	--	--	--	0.5	0.5
MVP-ATWS-610A	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.4	--	--	--	--	--	0.4	0.4
MVP-ATWS-611	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.8	--	--	--	--	--	--	--	--	0.8
MVP-ATWS-611	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.4	--	--	--	--	--	--	--	--	0.4
MVP-ATWS-611	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	--	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-611	Madison fine sandy loam, 15 to 25 percent slopes	2.0	--	2.0	--	--	--	--	--	--	2.0
MVP-ATWS-612	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-612	Madison fine sandy loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-613	Wintergreen loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-613B	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-613B	Wintergreen loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-614	Wintergreen loam, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	--	--	--	0.7
MVP-ATWS-616	Clifford fine sandy loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-616	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-616	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-617	Clifford fine sandy loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-622	Clifford fine sandy loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-622	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-623	Clifford fine sandy loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-625	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.9	--	--	--	--	--	--	--	--	0.9
MVP-ATWS-626	Madison fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-627	Madison fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-628	Madison fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-629	Madison fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-630	Madison fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-631	Cecil sandy loam, 2 to 7 percent slopes	1.3	--	--	--	--	--	--	--	--	1.3
MVP-ATWS-633	Frederick gravelly silt loam, 15 to 25 percent slopes	1.7	--	1.7	--	--	--	--	--	--	1.7
MVP-ATWS-633	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-633	Frederick gravelly silt loam, 7 to 15 percent slopes	1.1	--	1.1	--	--	--	--	--	--	1.1
MVP-ATWS-633A	Frederick gravelly silt loam, 15 to 25 percent slopes	1.6	--	1.6	--	--	--	--	--	--	1.6
MVP-ATWS-633A	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-633A	Frederick gravelly silt loam, 7 to 15 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-634	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-634	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	--	--	--	--	--	--	--	--	--	0.1

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-635	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	--	--	--	--	--	--	--	--	--	0.6
MVP-ATWS-642	Dekalb channery sandy loam, 15 to 35 percent slopes, very stony	--	--	--	--	--	--	--	--	0.0	0.0
MVP-ATWS-642	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	--	--	0.7	0.7
MVP-ATWS-643	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.4	--	--	--	--	--	0.4	0.4
MVP-ATWS-645	Duffield-Ernest complex, 7 to 15 percent slopes	0.1	0.1	0.1	--	--	0.1	--	--	--	0.1
MVP-ATWS-645	Guernsey silt loam, 2 to 7 percent slopes	1.4	--	--	--	--	--	--	--	--	1.4
MVP-ATWS-645	Udorthents and Urban land	--	--	--	--	--	--	--	--	--	0.5
MVP-ATWS-645A	Duffield-Ernest complex, 7 to 15 percent slopes	0.1	0.1	0.1	--	--	0.1	--	--	--	0.1
MVP-ATWS-645A	Guernsey silt loam, 2 to 7 percent slopes	0.5	--	--	--	--	--	--	--	--	0.5
MVP-ATWS-645A	Udorthents and Urban land	--	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-647	Clarksburg silt loam, 3 to 8 percent slopes	0.6	--	--	--	--	0.6	0.6	--	--	0.6
MVP-ATWS-647	Litz channery silt loam, 25 to 35 percent slopes	--	--	0.1	--	0.1	--	--	--	--	0.1
MVP-ATWS-647A	Clarksburg silt loam, 3 to 8 percent slopes	0.3	--	--	--	--	0.3	0.3	--	--	0.3
MVP-ATWS-647A	Litz channery silt loam, 25 to 35 percent slopes	--	--	0.0	--	0.0	--	--	--	--	0.0
MVP-ATWS-648	Melvin silt loam	0.2	--	--	--	--	0.2	0.2	0.2	--	0.2
MVP-ATWS-648A	Melvin silt loam	0.1	--	--	--	--	0.1	0.1	0.1	--	0.1
MVP-ATWS-650	Jackland-Mirerock-Redbrush complex, 8 to 15 percent slopes	--	--	0.2	--	--	--	0.2	--	--	0.2
MVP-ATWS-650	Minnieville loam, 2 to 8 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-651	Cecil sandy loam, 7 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-651A	Cecil sandy loam, 7 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-652	Cecil sandy loam, 7 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-653	Hiwassee clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	--	--	--	2.7
MVP-ATWS-654	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-654	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-655	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-655	Madison fine sandy loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-655A	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-657	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	0.6	--	0.6	--	--	--	0.6	0.6
MVP-ATWS-658	Udifluvents-Fluvaquents complex	0.1	--	--	--	--	--	0.1	0.1	--	0.1
MVP-ATWS-658	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.4	--	0.4	--	--	--	--	0.4
MVP-ATWS-658A	Weikert channery silt loam, 25 to 55 percent slopes	--	--	0.1	--	0.1	--	--	--	--	0.1
MVP-ATWS-659	Clifford fine sandy loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-659	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-661	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-669	Duffield-Ernest complex, 7 to 15 percent slopes	0.6	0.6	0.6	--	--	0.6	--	--	--	0.6
MVP-ATWS-669	Weaver soils	0.7	0.7	--	--	--	0.7	--	--	--	0.7
MVP-ATWS-670	Duffield-Ernest complex, 2 to 7 percent slopes	0.0	0.0	--	--	--	0.0	--	--	--	0.0
MVP-ATWS-670	Weaver soils	0.4	0.4	--	--	--	0.4	--	--	--	0.4

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-670A	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-670A	Duffield-Ernest complex, 2 to 7 percent slopes	0.8	0.8	--	--	--	0.8	--	--	--	0.8
MVP-ATWS-670A	Weaver soils	0.4	0.4	--	--	--	0.4	--	--	--	0.4
MVP-ATWS-671	Caneyville-Opequon-Rock outcrop complex, 7 to 25 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-671	Frederick and Vertrees gravelly silt loams, 7 to 15 percent slopes	0.6	--	0.6	--	--	--	--	--	--	0.6
MVP-ATWS-672	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	--	--	0.3	0.3
MVP-ATWS-672	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.0	--	--	--	--	--	--	--	0.0	0.0
MVP-ATWS-673	Culleoka loam, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-674	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-676	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-678	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-680	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.4	--	--	--	--	--	0.4	0.4
MVP-ATWS-681	Cateache silt loam, 15 to 25 percent slopes	1.1	--	1.1	--	--	--	--	--	--	1.1
MVP-ATWS-682	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-682	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-684	Gilpin channery silt loam, moist, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-684	Gilpin channery silt loam, moist, 8 to 15 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-684A	Gilpin channery silt loam, moist, 8 to 15 percent slopes	0.7	--	--	--	--	--	--	--	--	0.7

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-685	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-686	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-686A	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-688	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.4	--	--	--	--	--	0.4	0.4
MVP-ATWS-688	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-689	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.6	--	--	--	--	--	0.6	0.6
MVP-ATWS-690	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-690	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.7	--	--	--	--	--	--	0.7
MVP-ATWS-691	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-692	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-693	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	1.1	--	--	--	--	--	--	--	--	1.1
MVP-ATWS-696	Clifford fine sandy loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-697	Clifford fine sandy loam, 8 to 15 percent slopes	3.4	--	3.4	--	--	--	--	--	--	3.4
MVP-ATWS-698A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	1.0	--	--	--	--	--	--	--	--	1.0
MVP-ATWS-699	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.7	--	--	--	--	--	0.7	0.7
MVP-ATWS-699	Clifftop channery silt loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	--	--	--	0.6
MVP-ATWS-699A	Clifftop channery silt loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-700	Cateache-Litz complex, 15 to 25 perecnt slopes	0.1	--	0.1	--	--	--	--	--	--	0.1

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-700	Rough very channery silt loam, 25 to 35 percent slopes	--	--	0.1	--	0.1	--	--	--	--	0.1
MVP-ATWS-701	Berks-Clymer complex, 7 to 15 percent slopes	--	--	--	--	0.9	--	--	--	--	0.9
MVP-ATWS-701	Berks-Weikert complex, 15 to 25 percent slopes	--	--	0.3	--	0.3	--	--	--	--	0.3
MVP-ATWS-703	Craigsville soils	--	0.0	--	--	--	0.0	--	--	--	0.0
MVP-ATWS-703	Jefferson soils, 7 to 15 percent slopes	0.5	--	--	--	--	--	--	--	--	0.5
MVP-ATWS-704	Guernsey silt loam, 2 to 7 percent slopes	0.3	--	--	--	--	--	--	--	--	0.3
MVP-ATWS-704	Jefferson soils, 7 to 15 percent slopes	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-704A	Guernsey silt loam, 2 to 7 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-705	Chavies fine sandy loam, moist, 0 to 3 percent slopes, rarely flooded	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-705A	Chavies fine sandy loam, moist, 0 to 3 percent slopes, rarely flooded	0.6	--	--	--	--	--	--	--	--	0.6
MVP-ATWS-705A	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-705A	Water	--	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-706	Gilpin silt loam, 25 to 35 percent slopes	0.8	--	0.8	--	--	--	--	--	--	0.8
MVP-ATWS-706	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.6	--	--	--	--	--	0.6	0.6
MVP-ATWS-707	Dekalb channery sandy loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	0.7	--	--	--	0.7	0.7
MVP-ATWS-707	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	0.0	--	0.0	--	--	--	0.0	0.0
MVP-ATWS-710	Frankstown silt loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-710	Melvin silt loam	0.1	--	--	--	--	0.1	0.1	0.1	--	0.1

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-710A	Frankstown silt loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-710A	Frederick silt loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-710A	Melvin silt loam	0.1	--	--	--	--	0.1	0.1	0.1	--	0.1
MVP-ATWS-711	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	1.7	--	--	--	--	--	1.7	1.7
MVP-ATWS-711	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	1.9	--	1.9	--	--	--	--	--	--	1.9
MVP-ATWS-711	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-712	Dekalb channery fine sandy loam, 15 to 30 percent slopes	0.3	--	0.3	--	0.3	--	--	--	--	0.3
MVP-ATWS-712	Dekalb-Gilpin-Jefferson complex, 35 to 80 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-713	Lily loam, 3 to 8 percent slopes	2.2	--	--	--	--	--	--	--	--	2.2
MVP-ATWS-714	Clifford fine sandy loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	--	--	--	1.0
MVP-ATWS-715	Bluemount-Redbrush-Spriggs complex, 15 to 25 percent slopes, stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-715	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-715	Minnieville-Orenda-Redbrush complex, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-715A	Clifford fine sandy loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-715A	Minnieville-Orenda-Redbrush complex, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-715A	Minnieville-Orenda-Redbrush complex, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	--	--	--	0.7
MVP-ATWS-716	Cotaco silt loam, 3 to 8 percent slopes	0.9	--	--	--	--	--	--	--	--	0.9
MVP-ATWS-716	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	0.4	--	0.4	--	--	--	0.4	0.4

Attachment DR3 Soils-1c

Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-716A	Chavies fine sandy loam, moist, 0 to 3 percent slopes, rarely flooded	0.7	--	--	--	--	--	--	--	--	0.7
MVP-ATWS-716A	Cotaco silt loam, 3 to 8 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-716A	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	0.1	--	--	--	0.1	0.1
MVP-ATWS-717A	Pope loam	0.4	--	--	--	--	--	--	--	--	0.4
MVP-ATWS-724	Unison and Braddock soils, 7 to 15 percent slopes	0.1	0.1	0.1	--	--	0.1	--	--	--	0.1
MVP-ATWS-724A	Unison and Braddock soils, 7 to 15 percent slopes	0.4	0.4	0.4	--	--	0.4	--	--	--	0.4
MVP-ATWS-725	Hayter loam, 2 to 7 percent slopes	0.4	0.4	--	--	--	0.4	--	--	--	0.4
MVP-ATWS-725	Ross soils	3.0	3.0	--	--	--	3.0	--	--	--	3.0
MVP-ATWS-725	Weaver soils	1.7	1.7	--	--	--	1.7	--	--	--	1.7
MVP-ATWS-726	Ross soils	0.5	0.5	--	--	--	0.5	--	--	--	0.5
MVP-ATWS-726	Weaver soils	0.2	0.2	--	--	--	0.2	--	--	--	0.2
MVP-ATWS-727	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	--	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-727	Guernsey silt loam, 2 to 7 percent slopes	1.4	--	--	--	--	--	--	--	--	1.4
MVP-ATWS-727	Hayter loam, 2 to 7 percent slopes	0.5	0.5	--	--	--	0.5	--	--	--	0.5
MVP-ATWS-727	McGary and Purdy soils	0.5	0.5	--	--	--	--	0.5	0.5	--	0.5
MVP-ATWS-727	Weaver soils	0.1	0.1	--	--	--	0.1	--	--	--	0.1
MVP-ATWS-729	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-730	Clifftop-Laidig association, very steep, extremely stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-730	Gilpin silt loam, 25 to 35 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-731	Gilpin silt loam, 25 to 35 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-731	Gilpin silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-732	Gilpin-Peabody complex, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-732A	Gilpin-Peabody complex, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-733	Gilpin-Peabody complex, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-733A	Gilpin-Peabody complex, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-733B	Gilpin-Peabody complex, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-734	Skidmore gravelly loam	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-734A	Skidmore gravelly loam	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-735	Skidmore gravelly loam	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-735A	Skidmore gravelly loam	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-736	Gilpin-Peabody complex, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-736A	Gilpin-Peabody complex, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-737	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-737	Skidmore gravelly loam	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-737A	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-737A	Skidmore gravelly loam	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-738	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-738	Skidmore gravelly loam	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-738B	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-739	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-740	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2

Attachment DR3 Soils-1c

Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-740A	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-741	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-742	Gilpin-Peabody complex, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-742	Gilpin-Peabody complex, 25 to 35 percent slopes	0.8	--	0.8	--	--	--	--	--	--	0.8
MVP-ATWS-743	Gilpin-Peabody complex, 25 to 35 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-743A	Gilpin-Peabody complex, 25 to 35 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-744	Gilpin-Peabody complex, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	--	--	--	0.6
MVP-ATWS-745	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-745	Skidmore gravelly loam	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-745A	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-745A	Skidmore gravelly loam	0.4	--	--	--	--	--	--	--	--	0.4
MVP-ATWS-746	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-747	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	1.0	--	--	--	--	--	--	1.0
MVP-ATWS-747	Nolin loam	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-748	Gilpin-Peabody complex, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-748	Gilpin-Peabody complex, 25 to 35 percent slopes	0.5	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-749	Gilpin-Peabody complex, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-749	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-750	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.8	--	--	--	--	--	--	0.8

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-750	Skidmore gravelly loam	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-751	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-752	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-752	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-752A	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-753	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-753	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-753A	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-753B	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-753C	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-754	Gilpin-Peabody complex, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-754	Gilpin-Peabody complex, 25 to 35 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-755	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-756	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-756	Udifluvents and Fluvaquents	--	--	--	--	--	--	1.9	1.9	--	1.9
MVP-ATWS-757	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.0	0.0	--	0.0
MVP-ATWS-757	Vandalia silty clay loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-758	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-758	Philo silt loam	0.8	--	--	--	--	--	--	--	--	0.8

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-759	Philo silt loam	0.5	--	--	--	--	--	--	--	--	0.5
MVP-ATWS-759A	Philo silt loam	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-760	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-760	Philo silt loam	1.6	--	--	--	--	--	--	--	--	1.6
MVP-ATWS-762	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-763	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-764	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-764A	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-765	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-765	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.7	--	--	--	--	--	--	1.7
MVP-ATWS-766	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-766	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-767	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.9	--	--	--	--	--	--	1.9
MVP-ATWS-767	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-769	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-769	Sensabaugh silt loam, 3 to 8 percent slopes, rarely flooded	0.5	--	--	--	--	--	--	--	--	0.5
MVP-ATWS-769A	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-769A	Sensabaugh silt loam, 3 to 8 percent slopes, rarely flooded	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-770	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.8	--	--	--	--	--	0.8	0.8

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-770	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-771	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-771	Sensabaugh silt loam	0.3	--	--	--	--	0.3	--	--	--	0.3
MVP-ATWS-771A	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-771A	Sensabaugh silt loam	0.3	--	--	--	--	0.3	--	--	--	0.3
MVP-ATWS-772	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.5	--	--	--	--	--	0.5	0.5
MVP-ATWS-773	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.5	--	--	--	--	--	0.5	0.5
MVP-ATWS-774	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.7	--	--	--	--	--	0.7	0.7
MVP-ATWS-774	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-776	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-776	Sensabaugh silt loam	0.4	--	--	--	--	0.4	--	--	--	0.4
MVP-ATWS-777	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-778	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-778	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-778A	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-778A	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-779	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	0.7	--	--	--	--	--	0.7	0.7
MVP-ATWS-779	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-781	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-781	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.0	0.0	--	0.0
MVP-ATWS-781A	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-782	Gilpin-Peabody complex, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-782	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-783	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-783A	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-784	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-785	Gilpin-Peabody complex, 15 to 25 percent slopes	1.1	--	1.1	--	--	--	--	--	--	1.1
MVP-ATWS-785	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-786	Gilpin-Peabody complex, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-786A	Gilpin-Peabody complex, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-788	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-788	Vandalia silty clay loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-789	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-789	Urban land	--	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-789A	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-789A	Urban land	--	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-792	Clifftop-Laidig association, very steep, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-793	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.8	--	--	--	--	--	--	0.8

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-794	Cecil sandy loam, 2 to 7 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-794	Cecil sandy loam, 7 to 15 percent slopes	0.8	--	0.8	--	--	--	--	--	--	0.8
MVP-ATWS-795	Vandalia silt loam, 25 to 35 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-796	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-796	Vandalia silt loam, 25 to 35 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-797	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-797	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-800	Gilpin-Upshur silt loams, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-801	Gilpin silt loam, 35 to 70 percent slopes	--	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-804	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-804	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-805	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-806	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-806	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-808	Gilpin-Peabody complex, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-809	Gilpin-Peabody complex, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-810	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.6	--	--	--	--	--	--	0.6
MVP-ATWS-813	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.2	--	--	--	--	--	--	--	--	0.2

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-814	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	--	--	0.2	0.2
MVP-ATWS-815	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-815	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-816	Carbo silty clay loam, very rocky, 2 to 15 percent slopes	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-817	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-818	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-819	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.3	--	--	--	--	--	--	--	--	0.3
MVP-ATWS-820	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.3	--	--	--	--	--	--	--	--	0.3
MVP-ATWS-821	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	--	--	--	--	--	--	--	--	--	2.0
MVP-ATWS-821	Enott fine sandy loam, 7 to 15 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-822	Gilpin-Upshur silt loams, 35 to 70 percent slopes, extremely bouldery	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-823	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-824	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-824	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.2	0.2	--	0.2
MVP-ATWS-825	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-826	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.2	0.2	--	0.2
MVP-ATWS-827	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-827	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-829	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-830	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-831	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-831	Vandalia silt loam, 25 to 35 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-832	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-832	Lobdell-Holly silt loams	0.5	--	--	--	--	--	0.5	0.5	--	0.5
MVP-ATWS-835	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-836	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-837	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-838	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-839	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-840	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-840	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-841	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-841	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-842	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-843	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-844	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-845	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-851	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-852	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-853	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-856	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-856	Vandalia silt loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-857	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-857	Vandalia silt loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-858	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.5	--	--	--	--	--	--	0.5
MVP-ATWS-859	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-860	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-861	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-862	Chagrin silt loam, 0 to 3 percent slopes, occasionally flooded	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-863	Chagrin silt loam, 0 to 3 percent slopes, occasionally flooded	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-864	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-865	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-866	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-867	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-868	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-869	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-870	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-871	Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-871	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-872	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-873	Vandalia silt loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-874	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-875	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-876	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-877	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-878	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-879	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-880	Sensabaugh silt loam	0.3	--	--	--	--	--	--	--	--	0.3
MVP-ATWS-881	Sensabaugh silt loam	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-883	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-884	Sensabaugh silt loam, 3 to 8 percent slopes, rarely flooded	0.1	0.1	--	--	--	0.1	--	--	--	0.1
MVP-ATWS-885	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.3	--	--	--	--	--	--	0.3

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-886	Gilpin-Lily complex, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-886	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-887	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-887	Sensabaugh silt loam, 0 to 3 percent slopes, occasionally flooded	0.1	0.1	--	--	--	0.1	--	--	--	0.1
MVP-ATWS-888	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-888	Sensabaugh silt loam, 0 to 3 percent slopes, occasionally flooded	0.0	0.0	--	--	--	0.0	--	--	--	0.0
MVP-ATWS-889	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-889	Gilpin-Lily complex, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-890	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-890	Gilpin-Lily complex, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-891	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-891	Gilpin-Lily complex, 25 to 35 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-892	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-892	Gilpin-Lily complex, 25 to 35 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-893	Gilpin-Lily complex, 25 to 35 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-893	Gilpin-Lily complex, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-894	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.0	0.0

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-894	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-896	Pope sandy loam	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-897	Pope sandy loam	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-898	Pope sandy loam	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-899	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-899	Pope sandy loam	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-900	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-901	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-902	Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-903	Gilpin-Lily complex, 25 to 35 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-903	Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-904	Gilpin-Lily complex, 25 to 35 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-905	Gilpin-Lily complex, 25 to 35 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-906	Gilpin-Lily complex, 25 to 35 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-907	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.1	0.1
MVP-ATWS-907	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.5	--	--	--	--	--	0.5	0.5
MVP-ATWS-908	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-908	Gilpin-Lily complex, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-909	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-910	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-911	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-912	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.1	0.1
MVP-ATWS-913	Gilpin-Lily complex, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-914	Gilpin-Lily complex, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-915	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-915	Gilpin-Lily complex, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-916	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-917	Vandalia silt loam, 25 to 35 percent slopes	--	--	0.9	--	--	--	--	--	--	0.9
MVP-ATWS-918	Sensabaugh silt loam	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-919	Clifftop-Laidig association, very steep, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-919	Gilpin silt loam, 25 to 35 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-920	Cotaco silt loam, 3 to 8 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-920	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	0.1	--	--	--	0.1	0.1
MVP-ATWS-921	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	0.1	--	--	--	0.1	0.1
MVP-ATWS-922	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	0.6	--	0.6	--	--	--	0.6	0.6
MVP-ATWS-923	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.3	--	--	--	--	--	0.3	0.3

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Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-924	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-925	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-926	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-927	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-928	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-928	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-929	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.1	--	--	--	--	--	1.1	1.1
MVP-ATWS-929	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-930	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.7	--	--	--	--	--	0.7	0.7
MVP-ATWS-931	Gilpin silt loam, 3 to 15 percent slopes, very stony	1.4	--	1.4	--	--	--	--	--	1.4	1.4
MVP-ATWS-931	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-932	Gilpin silt loam, 3 to 15 percent slopes, very stony	1.0	--	1.0	--	--	--	--	--	1.0	1.0
MVP-ATWS-932	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-933	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	2.3	--	--	--	--	--	2.3	2.3

Attachment DR3 Soils-1c

Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-934	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-934	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.9	--	--	--	--	--	0.9	0.9
MVP-ATWS-935	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.6	--	--	--	--	--	0.6	0.6
MVP-ATWS-936	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.7	--	--	--	--	--	0.7	0.7
MVP-ATWS-937	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-938	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-939	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-940	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	0.3	--	0.3	--	--	--	0.3	0.3
MVP-ATWS-941	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-942	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.5	--	--	--	--	--	0.5	0.5
MVP-ATWS-943	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-944	Gilpin silt loam, 3 to 15 percent slopes, very stony	0.3	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-944	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-945	Gilpin silt loam, 3 to 15 percent slopes, very stony	0.9	--	0.9	--	--	--	--	--	0.9	0.9

Attachment DR3 Soils-1c

Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-946	Gilpin silt loam, 3 to 15 percent slopes, very stony	0.7	--	0.7	--	--	--	--	--	0.7	0.7
MVP-ATWS-947	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	1.1	--	--	--	--	--	1.1	1.1
MVP-ATWS-948	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-949	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	0.4	--	--	--	--	--	0.4	0.4
MVP-ATWS-949	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-950	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.3	--	--	--	--	--	0.3	0.3
MVP-ATWS-951	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-952	Gilpin silt loam, 3 to 15 percent slopes, very stony	0.1	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-953	Gilpin silt loam, 3 to 15 percent slopes, very stony	0.2	--	0.2	--	--	--	--	--	0.2	0.2
MVP-ATWS-953	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-954	Edneyville fine sandy loam, 7 to 15 percent slopes	1.0	--	--	--	--	--	--	--	--	1.0
MVP-ATWS-955	Sylvatus very channery silt loam, 35 to 55 percent slopes	--	--	0.1	--	0.1	--	--	--	--	0.1
MVP-ATWS-955A	Sylvatus very channery silt loam, 35 to 55 percent slopes	--	--	0.2	--	0.2	--	--	--	--	0.2
MVP-ATWS-956	Chavies fine sandy loam, moist, 0 to 3 percent slopes, rarely flooded	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-956	Laidig channery silt loam, 8 to 15 percent slopes	0.2	--	--	--	0.2	--	--	--	--	0.2
MVP-ATWS-956	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.0	--	--	--	--	--	0.0	0.0

Attachment DR3 Soils-1c

Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-957	Chavies fine sandy loam, moist, 0 to 3 percent slopes, rarely flooded	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-957	Laidig channery silt loam, 8 to 15 percent slopes	0.5	--	--	--	0.5	--	--	--	--	0.5
MVP-ATWS-957	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-958	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-959	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-960	Clifftop channery silt loam, 25 to 35 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-960	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-961	Clifftop channery silt loam, 25 to 35 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-962	Clifftop channery silt loam, 25 to 35 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-964	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-965	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-965	Pope-Potomac complex, very cobbly	--	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-966	Pope-Craigsville complex	0.2	--	--	--	--	--	--	--	--	0.2
MVP-ATWS-966	Pope-Potomac complex, very cobbly	--	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-967	Clifftop channery silt loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-967	Clifftop channery silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-968	Dekalb channery sandy loam, 35 to 60 percent slopes, very stony	--	--	0.6	--	0.6	--	--	--	0.6	0.6
MVP-ATWS-969	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--	0.1

Attachment DR3 Soils-1c

Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-970	Clifftop channery silt loam, 25 to 35 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-970	Clifftop channery silt loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3
MVP-ATWS-971	Clifftop channery silt loam, 3 to 8 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-971	Clifftop channery silt loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-972	Chavies fine sandy loam, moist, 0 to 3 percent slopes, rarely flooded	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-973	Chavies fine sandy loam, moist, 0 to 3 percent slopes, rarely flooded	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-974	Sequoia silt loam, 30 to 65 percent slopes	--	--	0.4	--	--	--	--	--	--	0.4
MVP-ATWS-976	Clifftop channery silt loam, 25 to 35 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-976	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-977	Clifftop channery silt loam, 25 to 35 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-977	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-981	Clifftop channery silt loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-982	Clifftop channery silt loam, 25 to 35 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-983	Clifftop channery silt loam, 25 to 35 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-983	Clifftop channery silt loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--	0.2
MVP-ATWS-984	Clifftop channery silt loam, 25 to 35 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-984	Clifftop channery silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--	0.1
MVP-ATWS-985	Lily loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--	0.3

Attachment DR3 Soils-1c

Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-ATWS-986	Clifftop channery silt loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	--	--	--	0.0
MVP-ATWS-986	Lily loam, 3 to 8 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-987	Lily loam, 3 to 8 percent slopes	0.1	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-992	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1	0.1
MVP-ATWS-992	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-993	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.0	--	--	--	0.0	--	0.0	0.0
MVP-ATWS-994	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-995	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-996	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-997	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0	0.0
MVP-ATWS-997	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-ATWS-998	Udorthents, smoothed	--	--	--	--	--	--	--	--	--	0.1
MVP-ATWS-ALT-001	Gilpin and Lily soils, 3 to 8 percent slopes	0.0	--	--	--	--	--	--	--	--	0.0
MVP-ATWS-ALT-001	Gilpin and Lily soils, 8 to 15 percent slopes	4.6	--	4.6	--	--	--	--	--	--	4.6
MVP-AWTS-1020	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1	0.1
MVP-AWTS-1020	Clifftop channery silt loam, 3 to 15 percent slopes, very stony	0.0	--	0.0	--	--	--	--	--	0.0	0.0
MVP-AWTS-1021	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1	0.1

Attachment DR3 Soils-1c

Appendix 7-D (Revised July 2016)
Soils of Additional Temporary Workspace

ADTW Name	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/	Sum of Acres
MVP-AWTS-988	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-AWTS-988	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.2	--	--	--	0.2	0.2
MVP-AWTS-989	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-AWTS-989	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	0.0	--	--	--	0.0	0.0
MVP-AWTS-990	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1
MVP-AWTS-991	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	0.1	--	--	--	--	--	0.1	0.1
Grand Total		**459.2**	**31.1**	**500.1**	**0.0**	**33.3**	**44.1**	**48.5**	**20.8**	**156.6**	**737.9**

Source: NCRS 2015
Note: Totals may not sum correctly due to rounding.

-/ Does not meet criteria below
a/ Areas identified as Prime Farmland are identified as lands that meet the All Prime Farmland or Farmland of Statewide and Local Importance criteria as determined by NRCS, SSURGO.
b/ Areas identified to have a severe compaction potential are limited to silt loam or finer based on particle size and ranked “somewhat poor”, “poor” and “very poor” drainage as determined by SSURGO.
c/ Areas identified as Highly Water Erodible Soils are ranked as “Very Severe” or “Severe” by SSURGO Erosion Hazard (Off-Road, Off-Trail) criteria.
d/ Areas identified as Highly Wind Erodible Soils have a Wind Erodibility Index of 1 or 2 as determined by SSURGO.
e/ Areas identified to have poor revegetation potential are lands that have a Capability Class 3 or greater, a low available water capacity and slopes greater than 8 percent as determined by SSURGO.
f/ Areas identified to have a hydric rating include the all and partial criteria as determined by SSURGO.
g/ Areas identified to have shallow depth to water are described as having a water table of less than 1.5 feet from the surface as determined by SSURGO.
h/ Areas identified to have poor drainage potential are ranked as “poor” or “very poor” as determined by SSURGO.
i/ Areas identified to have Stoney/Rocky Soils are soils that as determined by SSURGO. Include stone, rocky or cobbles in the soil name.

Mountain Valley Pipeline, LLC
Mountain Valley Pipeline Project
Docket No. CP16-10-000

Responses to FERC Environmental Information Request #3
Dated June 28, 2016

ATTACHMENTS

Attachment DR3 Soils-1d

Attachment DR3 Soils-1d

Attachment RR7-2 (revised July 2016)
Soil Impacts (in acres) for the MVP Pipeline Project

Feature	Prime Farmland a/		Compaction Potential b/		Water Erosion Potential c/		Wind Erosion Potential d/		Re-vegetation Potential e/		Hydric Soils f/		Shallow depth to Water table g/		Poor Drainage Potential h/		Rocky/Stoney Soils i/	
	Perm.	Temp.	Perm.	Temp.	Perm.	Temp.	Perm.	Temp.	Perm.	Temp.	Perm.	Temp.	Perm.	Temp.	Perm.	Temp.	Perm.	Temp.
Pipeline Easement	0	1893.7	0	50.9	0	3688.9	0	0	0	402.0	0	62.9	0	4277.3	0	30.9	0	1237.0
Meter Stations	4.3	12.3	0	0	3.2	12.3	0	0	0	0	0	0	0	0	0	0	0	1.6
Compressor Stations	13.8	40.1	0	0	10.4	58.2	0	0	0	0	0	0	0	0	0	0	2.1	23.6
Pipe Storage and Contractor Yards	0	121.4	0	28.5	0	54.7	0	0	0	0	0	68.8	0	54.8	0	54.8	0	0
Temporary and Permanent Access Roads	85.7	317.0	7.3	25	187.4	732.8	0	0	21.3	73.0	16.3	44.9	16.3	53.7	10.5	24.7	95.6	340.0
Additional Temporary Work Space	0	459.2	0	31.1	0	500.1	0	0	0	33.3	0	44.1	0	48.5	0	20.8	0	156.6
Cathodic Protection Areas	0	57.8	0	6.7	0	29.0	0	0	0	1.2	0	10.1	0	10.7	0	6.4	0	1.0

Source: NCRS 2015
Totals may not sum correctly due to rounding.
a/ Areas identified as Prime Farmland are identified as lands that meet the All Prime Farmland or Farmland of Statewide and Local Importance criteria as determined by NRCS, SSURGO.
b/ Areas identified to have a severe compaction potential are limited to silt loam or finer based on particle size and ranked “somewhat poor”, “poor” and “very poor” drainage as determined by SSURGO.
c/ Areas identified as Highly Water Erodible Soils are ranked as “Very Severe” or “Severe” by SSURGO Erosion Hazard (Off-Road, Off-Trail) criteria.
d/ Areas identified as Highly Wind Erodible Soils have a Wind Erodibility Index of 1 or 2 as determined by SSURGO.
e/ Areas identified to have poor revegetation potential are lands that have a Capability Class 3 or greater, a low available water capacity and slopes greater than 8 percent as determined by SSURGO.
f/ Areas identified to have a hydric rating include the all and partial criteria as determined by SSURGO.
g/ Areas identified to have shallow depth to water are described as having a water table of less than 1.5 feet from the surface as determined by SSURGO.
h/ Areas identified to have poor drainage potential are ranked as “poor” or “very poor” as determined by SSURGO.
i/ Areas identified to have Stoney/Rocky Soils are soils that as determined by SSURGO. Include stone, rocky or cobbles in the soil name (does not include rock outcrops).

Mountain Valley Pipeline, LLC
Mountain Valley Pipeline Project
Docket No. CP16-10-000

Responses to FERC Environmental Information Request #3
Dated June 28, 2016

ATTACHMENTS

Attachment DR3 Soils-2a

Attachment DR3 Soils-2a

Soils of Compressor Stations (Permeant and Temporary Impacts)

Compressor Station	County	Sym	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-veg. Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/
Permanent												
Bradshaw CS	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	3.6	--	3.6	--	--	--	--	--	--
Bradshaw CS	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	2.2	--	2.2	--	--	--	--	--	--
Harris CS	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	1.8	--	--	--	--	--	1.8
Harris CS	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	2.4	--	2.4	--	--	--	--	--	--
Harris CS	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	0.1	--	0.1	--	--	--	--	--	--
Stallworth CS	Fayette	CaC	Cateache channery silt loam, 8 to 15 percent slopes	5.5	--	--	--	--	--	--	--	--
Stallworth CS	Fayette	CcG	Cateache-Pipestem complex, 35 to 80 percent slopes, very stony	--	--	0.3	--	--	--	--	--	0.3
			Total	**13.8**	**0.0**	**10.4**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**2.1**
Temporary												
Bradshaw CS	Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	6.5	--	6.5	--	--	--	--	--	--
Bradshaw CS	Wetzel	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	11.4	--	11.4	--	--	--	--	--	--
Bradshaw CS	Wetzel	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	6.1	--	--	--	--	--	--
Harris CS	Braxton	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.2
Harris CS	Braxton	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	10.1	--	--	--	--	--	10.1
Harris CS	Braxton	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	7.2	--	7.2	--	--	--	--	--	--
Harris CS	Braxton	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	3.6	--	3.6	--	--	--	--	--	--
Stallworth CS	Fayette	CaC	Cateache channery silt loam, 8 to 15 percent slopes	11.4	--	--	--	--	--	--	--	--
Stallworth CS	Fayette	CcG	Cateache-Pipestem complex, 35 to 80 percent slopes, very stony	--	--	13.3	--	--	--	--	--	13.3
			Total	**40.1**	**0.0**	**58.2**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**23.6**

Attachment DR3 Soils-2a

Soils of Compressor Stations (Permeant and Temporary Impacts)

Compressor Station	County	Sym	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-veg. Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/

Source: NCRS 2015

Note: Totals may not sum correctly due to rounding.

-/ Does not meet criteria below

a/ Areas identified as Prime Farmland are identified as lands that meet the All Prime Farmland or Farmland of Statewide and Local Importance criteria as determined by NRCS, SSURGO.

b/ Areas identified to have a severe compaction potential are limited to silt loam or finer based on particle size and ranked “somewhat poor”, “poor” and “very poor” drainage as determined by SSURGO.

c/ Areas identified as Highly Water Erodible Soils are ranked as “Very Severe” or “Severe” by SSURGO Erosion Hazard (Off-Road, Off-Trail) criteria.

d/ Areas identified as Highly Wind Erodible Soils have a Wind Erodibility Index of 1 or 2 as determined by SSURGO.

e/ Areas identified with poor revegetation potential are lands with Capability Class 3 or greater, a low available water capacity and slopes greater than 8 percent as determined by SSURGO.

f/ Areas identified to have a hydric rating include the all and partial criteria as determined by SSURGO.

g/ Areas identified to have shallow depth to water are described as having a water table of less than 1.5 feet from the surface as determined by SSURGO.

h/ Areas identified to have poor drainage potential are ranked as “poor” or “very poor” as determined by SSURGO.

i/ Areas identified to have Stoney/Rocky Soils are soils that as determined by SSURGO. Include stone, rocky or cobbles in the soil name. (does not include rock outcrop soils)

Mountain Valley Pipeline, LLC
Mountain Valley Pipeline Project
Docket No. CP16-10-000

Responses to FERC Environmental Information Request #3
Dated June 28, 2016

ATTACHMENTS

Attachment DR3 Soils-2b

Attachment DR3 Soils-2b

Soils of Access Roads (Permanent and Temporary Impacts)

County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Rating f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/
Permanent											
Franklin	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.3	--	--	--	--	--	--	--	--
	13D	Cullasaja-Tuckasegee complex, 15 to 25 percent slopes, very stony	--	--	0.8	--	--	--	--	--	0.8
	16C	Edneytown-Sauratown complex, 8 to 15 percent slopes, very stony	1.2	--	1.2	--	--	--	--	--	1.2
	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	1.5	--	--	--	--	--	1.5
	24C	Jackland-Mirerock-Redbrush complex, 8 to 15 percent slopes	--	--	0.4	--	--	--	0.4	--	--
	27B	Minnieville loam, 2 to 8 percent slopes	0.1	--	--	--	--	--	--	--	--
	39C	Wintergreen loam, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--
	39D	Wintergreen loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	--	--	--
	7C	Clifford fine sandy loam, 8 to 15 percent slopes	5.5	--	5.5	--	--	--	--	--	--
	7D	Clifford fine sandy loam, 15 to 25 percent slopes	2.0	--	2.0	--	--	--	--	--	--
	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.7	--	--	--	--	--	--
Giles	7	Chagrin silt loam	0.1	--	--	--	--	0.1	--	--	--
	10B	Cotaco loam, 2 to 7 percent slopes	0.7	--	--	--	--	--	--	--	--
	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--
	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	0.9	--	--	--	--	--	--
	17F	Gilpin silt loam, 30 to 65 percent slopes	--	--	0.4	--	--	--	--	--	--
	1B	Allegheny loam, 2 to 7 percent slopes	0.7	--	--	--	--	--	--	--	--
	27F	Lily-Bailegap complex, very stony, 35 to 65 percent slopes	--	--	0.3	--	--	--	--	--	0.3
	29C	Nolichucky loam, 7 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--
	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	4.0	--	--	--	--	--	4.0
	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	3.3	--	--	--	--	--	3.3
	4D	Braddock sandy loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	--	--	--

Attachment DR3 Soils-2b

Soils of Access Roads (Permanent and Temporary Impacts)

County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Rating f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/
	5D	Carbo silty clay loam, very rocky, 15 to 45 percent slopes	--	--	0.0	--	--	--	--	--	0.0
	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	1.6	--	--	--	--	--	--
	W	Water	--	--	--	--	--	--	--	--	--
Montgomery	10	Craigsville soils	--	0.2	--	--	--	0.2	--	--	--
	28	Ross soils	0.1	0.1	--	--	--	0.1	--	--	--
	29	Udorthents and Urban land	--	--	--	--	--	--	--	--	--
	33	Weaver soils	1.2	1.2	--	--	--	1.2	--	--	--
	11B	Duffield-Ernest complex, 2 to 7 percent slopes	1.0	1.0	--	--	--	1.0	--	--	--
	11C	Duffield-Ernest complex, 7 to 15 percent slopes	0.4	0.4	0.4	--	--	0.4	--	--	--
	16B	Groseclose and Poplimento soils, 2 to 7 percent slopes	0.6	--	--	--	--	--	--	--	--
	16C	Groseclose and Poplimento soils, 7 to 15 percent slopes	0.7	--	0.7	--	--	--	--	--	--
	16D	Groseclose and Poplimento soils, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--
	19B	Guernsey silt loam, 2 to 7 percent slopes	0.1	--	--	--	--	--	--	--	--
	1C	Berks-Clymer complex, 7 to 15 percent slopes	--	--	--	--	0.2	--	--	--	--
	20B	Hayter loam, 2 to 7 percent slopes	0.4	0.4	--	--	--	0.4	--	--	--
	21C	Hayter soils, 7 to 15 percent slopes	0.2	0.2	--	--	--	0.2	--	--	--
	22C	Jefferson soils, 7 to 15 percent slopes	0.2	--	--	--	--	--	--	--	--
	23C	Jefferson very stony soils, 7 to 15 percent slopes	0.0	--	--	--	--	--	--	--	0.0
	24D	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	0.3	--	--	--	--	--	0.3
	2C	Allegheny loam, 7 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--
	30C	Unison and Braddock soils, 7 to 15 percent slopes	0.0	0.0	0.0	--	--	0.0	--	--	--
	30D	Unison and Braddock soils, 15 to 25 percent slopes	0.3	0.3	0.3	--	--	0.3	--	--	--
	34E	Wurno-Caneyville complex, 25 to 45 percent slopes	--	--	0.1	--	--	--	--	--	--
	3D	Berks-Lowell-Rayne complex, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	--	--	--

Attachment DR3 Soils-2b

Soils of Access Roads (Permanent and Temporary Impacts)

County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Rating f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/
	3E	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	--	--	1.9	--	--	--	--	--	--
	4E	Berks-Rock outcrop complex, 25 to 70 percent slopes	--	--	0.8	--	--	--	--	--	--
	5D	Berks-Weikert complex, 15 to 25 percent slopes	--	--	0.0	--	0.0	--	--	--	--
	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	8.6	--	8.6	--	--	--	--
	8D	Caneyville-Opequon-Rock outcrop complex, 7 to 25 percent slopes	--	--	0.1	--	--	--	--	--	--
	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	1.1	--	--	--	--	--	--
	9C	Carbo and Chilhowie soils, 7 to 15 percent slopes	--	--	0.3	--	--	--	--	--	--
	9D	Carbo and Chilhowie soils, 15 to 25 percent slopes	--	--	0.0	--	--	--	--	--	--
Pittsylvania	11B3	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	--	--	--
	11C3	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--
	12C	Enott fine sandy loam, 7 to 15 percent slopes	0.4	--	0.4	--	--	--	--	--	--
	16B	Helena sandy loam, 2 to 7 percent slopes	0.7	--	--	--	--	--	--	--	--
	1B	Appling sandy loam, 2 to 7 percent slopes	0.1	--	--	--	--	--	--	--	--
	1C	Appling sandy loam, 7 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--
	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--
	23B	Mayodan fine sandy loam, 2 to 7 percent slopes	1.0	--	--	--	--	--	--	--	--
	4B	Cecil sandy loam, 2 to 7 percent slopes	0.9	--	--	--	--	--	--	--	--
	4C	Cecil sandy loam, 7 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--
	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.2	--	--	--	--	--	--	--	--
	8A	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	--	--	--	--	--	--	--	--	--
	9B	Creedmoor fine sandy loam, 2 to 7 percent slopes	0.1	--	--	--	--	--	0.1	--	--
Roanoke	16C	Edneyville fine sandy loam, 7 to 15 percent slopes	1.2	--	--	--	--	--	--	--	--
	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	1.7	--	1.7	--	--	--	--	--	--
	16E	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	1.0	--	--	--	--	--	--

Attachment DR3 Soils-2b

Soils of Access Roads (Permanent and Temporary Impacts)

County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Rating f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/
	1A	Alderflats silt loam, 0 to 4 percent slopes	--	0.3	--	--	--	0.3	0.3	0.3	--
	2C	Allegheny loam, 7 to 15 percent slopes	0.6	--	0.6	--	--	--	--	--	--
	30C	Unison and Braddock soils, 7 to 15 percent slopes	0.5	0.5	0.5	--	--	0.5	--	--	--
	47B	Thurmont sandy loam, 2 to 7 percent slopes	0.4	--	--	--	--	--	--	--	--
Braxton	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.8
	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.3	--	--	--	--	--	0.3
	GLC	Gilpin-Lily complex, 8 to 15 percent slopes	0.2	--	0.2	--	--	--	--	--	--
	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	2.8	--	2.8	--	--	--	--	--	--
	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	1.4	--	1.4	--	--	--	--	--	--
	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	0.4	--	0.4	--	--	--	--	--	--
	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	0.5	--	--	--	--	--	--
	Po	Pope sandy loam	0.3	--	--	--	--	--	--	--	--
	SrB	Sensabaugh silt loam, 3 to 8 percent slopes, rarely flooded	1.7	1.7	--	--	--	1.7	--	--	--
	VaE	Vandalia silt loam, 25 to 35 percent slopes	0.8	--	0.8	--	--	--	--	--	--
Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	1.1	--	--	--	--	--	1.1
	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	0.3	--	--	--	--	--	0.3
	Se	Sensabaugh silt loam	0.1	--	--	--	--	0.1	--	--	--
	SeB	Sensabaugh silt loam, 3 to 8 percent slopes, rarely flooded	0.1	--	--	--	--	--	--	--	--
Fayette	CaC	Cateache channery silt loam, 8 to 15 percent slopes	0.0	--	--	--	--	--	--	--	--
	CcG	Cateache-Pipestem complex, 35 to 80 percent slopes, very stony	--	--	1.2	--	--	--	--	--	1.2
	MlA	Melvin-Lindside complex, 0 to 3 percent slopes, frequently flooded	0.1	--	--	--	--	0.1	0.1	0.1	--
Greenbrier	CfD	Cateache silt loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--
	CgC	Cateache silt loam, 3 to 15 percent slopes, very stony	0.3	--	--	--	--	--	--	--	0.3
	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	0.9	--	--	--	--	--	0.9

Attachment DR3 Soils-2b

Soils of Access Roads (Permanent and Temporary Impacts)

County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Rating f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/
	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0
	CyE	Culleoka loam, 25 to 35 percent slopes, very stony	--	--	0.7	--	--	--	--	--	0.7
	CyF	Culleoka loam, 35 to 55 percent slopes, very stony	--	--	1.1	--	--	--	--	--	1.1
	GnC	Gilpin channery silt loam, moist, 8 to 15 percent slopes	0.1	--	--	--	--	--	--	--	--
	GnD	Gilpin channery silt loam, moist, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	--	--	--
	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	0.1	--	--	--	--	--	--	--	0.1
	KxF	Kaymine-rock outcrop complex, very steep	--	--	1.4	--	--	--	--	--	--
	LgC	Lily sandy loam, 8 to 15 percent slopes	0.3	--	--	--	--	--	--	--	--
	Lo	Lobdell silt loam	0.4	--	--	--	--	--	--	--	--
	McC	Macove channery silt loam, 3 to 15 percent slopes, very stony	0.9	--	--	--	--	--	--	--	0.9
	McE	Macove channery silt loam, 15 to 35 percent slopes, very stony	--	--	--	--	--	--	--	--	0.3
	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	2.5	--	--	--	--	--	2.5
	Po	Pope fine sandy loam, warm, 0 to 3 percent slopes, occasionally flooded	0.0	--	--	--	--	--	--	--	--
	ShC	Shouns channery silt loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.0
	ZoA	Zoar silt loam, 0 to 3 percent slopes	0.3	--	--	--	--	--	--	--	--
Harrison	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.0	--	--	--	--	--	--
	GuC3	Gilpin-Upshur complex, 8 to 15 percent slopes, severely eroded	0.3	--	0.3	--	--	--	--	--	--
	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	0.3	--	--	--	--	--	--
	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	1.5	--	--	--	--	--	--
	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	5.0	--	--	--	--	--	--
	Ha	Hackers silt loam, 0 to 3 percent slopes, rarely flooded	0.2	--	--	--	--	0.2	--	--	--

Attachment DR3 Soils-2b

Soils of Access Roads (Permanent and Temporary Impacts)

County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Rating f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/
	Ln	Lindside silt loam	0.0	--	--	--	--	--	--	--	--
	Ph	Philo silt loam	0.3	--	--	--	--	--	--	--	--
	Tg	Tygart silt loam	--	0.2	--	--	--	--	0.2	--	--
	UF	Udifluvents and Fluvaquents	--	--	--	--	--	--	1.6	1.6	--
	UhD3	Upshur silty clay, 15 to 25 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--
	VaC	Vandalia silty clay loam, 8 to 15 percent slopes	1.1	--	1.1	--	--	--	--	--	--
	VaD	Vandalia silty clay loam, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	--	--	--
Lewis	Cn	Chagrin silt loam, 0 to 3 percent slopes, occasionally flooded	0.1	--	--	--	--	--	--	--	--
	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--
	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	2.8	--	--	--	--	--	--
	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	5.5	--	--	--	--	--	--
	JaE	Janelew channery silt loam, steep	--	--	1.5	--	--	--	--	--	--
	Lh	Lobdell-Holly silt loams	0.4	--	--	--	--	--	0.4	0.4	--
	Su	Sensabaugh silt loam	0.1	--	--	--	--	--	--	--	--
	VaC	Vandalia silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--
	VaD	Vandalia silt loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	--	--	--
	VaE	Vandalia silt loam, 25 to 35 percent slopes	--	--	0.1	--	--	--	--	--	--
Monroe	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	1.7	--	1.7	--	--	--	--	--	--
	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	3.9	--	--	--	--	--	--
	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	3.5	--	--	--	--	--	--
	CnE	Cateache-Litz complex, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1
	CsB	Clarksburg silt loam, 3 to 8 percent slopes	1.1	--	--	--	--	1.1	1.1	--	--
	CsC	Clarksburg silt loam, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	0.2	--	0.2	--	--	--	0.2
	ErB	Ernest silt loam, warm, 3 to 8 percent slopes	0.2	--	--	--	--	--	0.2	--	--

Attachment DR3 Soils-2b

Soils of Access Roads (Permanent and Temporary Impacts)

County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Rating f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/
	FFE	Frederick and Dunmore soils, 25 to 45 percent slopes, very rocky	--	--	0.3	--	--	--	--	--	0.3
	LaC	Laidig channery loam, 8 to 15 percent slopes	0.1	--	--	--	--	--	0.1	--	--
	LbD	Laidig channery loam, 15 to 25 percent slopes, very stony	--	--	0.1	--	--	--	0.1	--	0.1
	LfD	Lily channery loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--
	LgC	Lily sandy loam, 8 to 15 percent slopes	0.6	--	--	--	--	--	--	--	--
	LgD	Lily sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--
	LsC	Litz channery silt loam, 8 to 15 percent slopes	0.3	--	0.3	--	0.3	--	--	--	--
	LsD	Litz channery silt loam, 15 to 25 percent slopes	0.3	--	0.3	--	0.3	--	--	--	--
	LsE	Litz channery silt loam, 25 to 35 percent slopes	--	--	0.2	--	0.2	--	--	--	--
	LtD	Litz silt loam, 15 to 25 percent slopes	0.3	--	0.3	--	0.3	--	--	--	--
	LwC	Litz-Cateache complex, 8 to 15 percent slopes	1.4	--	1.4	--	--	--	--	--	--
	Me	Melvin silt loam	1.4	--	--	--	--	1.4	1.4	1.4	--
	RgD	Rough very channery silt loam, 15 to 25 percent slopes	--	--	0.6	--	0.6	--	--	--	--
	RgE	Rough very channery silt loam, 25 to 35 percent slopes	--	--	0.0	--	0.0	--	--	--	--
	TtB	Tilsit silt loam, 3 to 8 percent slopes	0.5	--	--	--	--	0.5	--	--	--
	UF	Udifluvents-Fluvaquents complex	0.2	--	--	--	--	--	0.2	0.2	--
	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	1.3	--	1.3	--	--	--	--
Nicholas	BuC	Buchanan loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	0.0	--	--
	BvC	Buchanan channery fine sandy loam, 8 to 15 percent slopes, extremely stony	--	--	1.2	--	--	--	1.2	--	1.2
	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	7.3	--	--	--	7.3	--	7.3
	ClB	Clifftop channery silt loam, 3 to 8 percent slopes	0.1	--	--	--	--	--	--	--	--
	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	--	--	--
	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.3	--	0.3	--	--	--	--	--	--
	CnC	Clifftop channery silt loam, 3 to 15 percent slopes, very stony	0.2	--	0.2	--	--	--	--	--	0.2

Attachment DR3 Soils-2b

Soils of Access Roads (Permanent and Temporary Impacts)

County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Rating f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/
	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	6.6	--	--	--	--	--	6.6
	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	5.6	--	--	--	--	--	5.6
	CoF	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	0.0	--	--	--	--	--	0.0
	CtB	Cotaco silt loam, 3 to 8 percent slopes	0.3	--	--	--	--	--	--	--	--
	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	1.5	--	--	--	1.5
	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	1.5	--	1.5	--	--	--	1.5
	Ed	Elkins silt loam, drained	5.6	--	--	--	--	5.6	--	5.6	--
	KaB	Kaymine channery loam, 3 to 8 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.3
	KaF	Kaymine channery loam, very steep, extremely stony	--	--	1.3	--	--	--	--	--	1.3
	LlB	Lily loam, 3 to 8 percent slopes	0.6	--	--	--	--	--	--	--	--
	LlC	Lily loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	--	--	--
	Ud	Udorthents, smoothed	--	--	--	--	--	--	--	--	--
Summers	CeC	Cateache-Berks channery silt loams, 3 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--
	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	0.2	--	0.2	--	--	--	--	--	--
	ChD	Cateache-Berks channery silt loams, 15 to 30 percent slopes, very stony	0.8	--	0.8	--	--	--	--	--	0.8
	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	1.1	--	--	--	--	--	1.1
	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	0.0	--	0.0	--	--	--	--	--	--
	DeD	Dekalb channery fine sandy loam, 15 to 30 percent slopes	0.3	--	0.3	--	0.3	--	--	--	--
	DgF	Dekalb-Gilpin-Jefferson complex, 35 to 80 percent slopes, very stony	--	--	0.0	--	--	--	--	--	0.0
	GbD	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	0.7	--	0.7	--	--	--	--	--	--
	LlB	Lily loam, 3 to 8 percent slopes	3.9	--	--	--	--	--	--	--	--

Attachment DR3 Soils-2b

Soils of Access Roads (Permanent and Temporary Impacts)

County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Rating f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/
	LlC	Lily loam, 8 to 15 percent slopes	1.6	--	1.6	--	--	--	--	--	--
	MgB	Monongahela silt loam, warm, 3 to 8 percent slopes	1.2	--	--	--	--	--	--	--	--
	ShD	Shouns silt loam, 15 to 30 percent slopes	0.2	--	0.2	--	--	--	--	--	--
	StC	Shouns silt loam, 3 to 15 percent slopes, very stony	0.6	--	0.6	--	--	--	--	--	0.6
Webster	At	Atkins loam	0.9	0.9	--	--	--	0.9	0.9	0.9	--
	Ch	Chavies fine sandy loam, moist, 0 to 3 percent slopes, rarely flooded	0.2	--	--	--	--	--	--	--	--
	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--
	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--
	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	0.8	--	0.8	--	--	--	--	--	--
	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	1.1	--	--	--	--	--	--
	CSF	Clifftop-Laidig association, very steep, extremely stony	--	--	0.4	--	--	--	--	--	0.4
	CtB	Cotaco silt loam, 3 to 8 percent slopes	0.2	--	--	--	--	--	--	--	--
	Cv	Craigsville gravelly loam, 0 to 5 percent slopes	0.5	--	--	--	--	--	--	--	--
	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	2.2	--	2.2	--	--	--	2.2
	GbC	Gilpin silt loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	--	--	--
	GbE	Gilpin silt loam, 25 to 35 percent slopes	0.6	--	0.6	--	--	--	--	--	--
	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	1.8	--	1.8	--	--	--	--	--	1.8
	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	9.1	--	--	--	--	--	9.1
	LaC	Laidig channery silt loam, 8 to 15 percent slopes	0.5	--	--	--	0.5	--	--	--	--
	LdE	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	3.2	--	3.2	--	--	--	3.2
	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	27.8	--	--	--	--	--	27.8
	Pp	Pope-Potomac complex, very cobbly	--	--	--	--	--	--	--	--	--
	W	Water	--	--	--	--	--	--	--	--	--
Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	6.5	--	6.5	--	--	--	--	--	--
	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	1.9	--	1.9	--	--	--	--	--	--

Attachment DR3 Soils-2b

Soils of Access Roads (Permanent and Temporary Impacts)

County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Rating f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/
	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	4.2	--	--	--	--	--	--
	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.3	--	--	--	--	--	--
	No	Nolin loam	0.5	--	--	--	--	--	--	--	--
	Sk	Skidmore gravelly loam	2.5	--	--	--	--	--	--	--	--
		Total	**85.7**	**7.3**	**187.4**	**0.0**	**21.3**	**16.3**	**16.3**	**10.5**	**95.6**
Temporary											
Craig	11E	Carbo-Rock outcrop complex, 8 to 35 percent slopes, eroded	--	--	0.0	--	--	--	--	--	--
	19C	Frederick silt loam, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	--	--	--
	19D	Frederick silt loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--
	27E	Oriskany gravelly fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	2.2
	2B	Alonzville loam, 3 to 8 percent slopes	0.3	--	--	--	--	--	--	--	--
	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	1.3	--	--	--	--	--	1.3
	31A	Pope fine sandy loam, 0 to 3 percent slopes, frequently flooded	--	--	--	--	--	--	--	--	--
	35C	Timberville variant, loam, 7 to 15 percent slopes	--	--	0.0	--	--	--	--	--	--
	36C	Tumbling loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--
	39D	Watahala gravelly silt loam, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	--	--	--
	W	Water	--	--	--	--	--	--	--	--	--
Franklin	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	0.6	--	--	--	--	--	--	--	--
	13D	Cullasaja-Tuckasegee complex, 15 to 25 percent slopes, very stony	--	--	1.5	--	--	--	--	--	1.5
	16C	Edneytown-Sauratown complex, 8 to 15 percent slopes, very stony	2.9	--	2.9	--	--	--	--	--	2.9
	16E	Edneytown-Sauratown complex, 25 to 45 percent slopes, very stony	--	--	3.1	--	--	--	--	--	3.1
	19D	Hayesville loam, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	--	--	--
	20E	Hayesville loam, 25 to 45 percent slopes, very stony	--	--	1.2	--	--	--	--	--	1.2

Attachment DR3 Soils-2b

Soils of Access Roads (Permanent and Temporary Impacts)

County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Rating f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/
	24C	Jackland-Mirerock-Redbrush complex, 8 to 15 percent slopes	--	--	0.7	--	--	--	0.7	--	--
	27B	Minnieville loam, 2 to 8 percent slopes	0.1	--	--	--	--	--	--	--	--
	28C	Minnieville-Orenda-Redbrush complex, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	--	--	--
	28D	Minnieville-Orenda-Redbrush complex, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--
	2D	Ashe-Peaks-Edneyville complex, 15 to 25 percent slopes, very stony	--	--	0.3	--	--	--	--	--	0.3
	33E	Peaks-Ashe-Edneyville complex, 25 to 45 percent slopes, very stony	--	--	1.2	--	--	--	--	--	1.2
	33F	Peaks-Ashe-Edneyville complex, 45 to 95 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1
	39B	Wintergreen loam, 2 to 8 percent slopes	0.1	--	--	--	--	--	--	--	--
	39C	Wintergreen loam, 8 to 15 percent slopes	3.0	--	3.0	--	--	--	--	--	--
	39D	Wintergreen loam, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	--	--	--
	7B	Clifford fine sandy loam, 2 to 8 percent slopes	1.2	--	--	--	--	--	--	--	--
	7C	Clifford fine sandy loam, 8 to 15 percent slopes	29.8	--	29.8	--	--	--	--	--	--
	7D	Clifford fine sandy loam, 15 to 25 percent slopes	27.4	--	27.4	--	--	--	--	--	--
	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	8.1	--	--	--	--	--	--
Giles	7	Chagrin silt loam	2.3	--	--	--	--	2.3	--	--	--
	10B	Cotaco loam, 2 to 7 percent slopes	1.2	--	--	--	--	--	--	--	--
	11D	Faywood silt loam, 10 to 30 percent slopes	--	--	0.4	--	--	--	--	--	--
	14C	Frederick gravelly silt loam, 7 to 15 percent slopes	0.4	--	0.4	--	--	--	--	--	--
	14D	Frederick gravelly silt loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	--	--	--
	14E	Frederick gravelly silt loam, 25 to 35 percent slopes	--	--	6.9	--	--	--	--	--	--
	15C	Frederick very stony silt loam, 7 to 15 percent slopes	--	--	--	--	--	--	--	--	0.5
	15E	Frederick very stony silt loam, 25 to 35 percent slopes	--	--	1.6	--	--	--	--	--	1.6
	17F	Gilpin silt loam, 30 to 65 percent slopes	--	--	0.7	--	--	--	--	--	--
	1B	Allegheny loam, 2 to 7 percent slopes	1.1	--	--	--	--	--	--	--	--

Attachment DR3 Soils-2b

Soils of Access Roads (Permanent and Temporary Impacts)

County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Rating f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/
	27F	Lily-Bailegap complex, very stony, 35 to 65 percent slopes	--	--	0.5	--	--	--	--	--	0.5
	29C	Nolichucky loam, 7 to 15 percent slopes	0.5	--	0.5	--	--	--	--	--	--
	2D	Berks channery silt loam, 10 to 30 percent slopes	--	--	0.1	--	0.1	--	--	--	--
	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	--	--	--	--	--	--	--	--	2.1
	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	--	--	11.2	--	--	--	--	--	11.2
	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	--	--	9.5	--	--	--	--	--	9.5
	31C	Poplimento silt loam, 7 to 15 percent slopes	2.3	--	2.3	--	--	--	--	--	--
	31D	Poplimento silt loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--
	31E	Poplimento silt loam, 25 to 35 percent slopes	--	--	0.4	--	--	--	--	--	--
	33D	Sequoia silt loam, 10 to 30 percent slopes	--	--	0.3	--	--	--	--	--	--
	33F	Sequoia silt loam, 30 to 65 percent slopes	--	--	1.8	--	--	--	--	--	--
	35C	Timberville variant, loam, 7 to 15 percent slopes	--	--	0.4	--	--	--	--	--	--
	4C	Braddock sandy loam, 7 to 15 percent slopes	0.0	--	--	--	--	--	--	--	--
	4D	Braddock sandy loam, 15 to 25 percent slopes	1.0	--	1.0	--	--	--	--	--	--
	5C	Carbo silty clay loam, very rocky, 2 to 15 percent slopes	--	--	0.2	--	--	--	--	--	0.2
	5D	Carbo silty clay loam, very rocky, 15 to 45 percent slopes	--	--	0.0	--	--	--	--	--	0.0
	6F	Carbo-Rock outcrop complex, 25 to 65 percent slopes	--	--	3.2	--	--	--	--	--	--
	W	Water	--	--	--	--	--	--	--	--	--
Montgomery	10	Craigsville soils	--	1.0	--	--	--	1.0	--	--	--
	25	McGary and Purdy soils	0.1	0.1	--	--	--	--	--	0.1	--
	28	Ross soils	0.3	0.3	--	--	--	0.3	--	--	--
	29	Udorthents and Urban land	--	--	--	--	--	--	--	--	--
	33	Weaver soils	3.3	3.3	--	--	--	3.3	--	--	--
	11B	Duffield-Ernest complex, 2 to 7 percent slopes	1.8	1.8	--	--	--	1.8	--	--	--
	11C	Duffield-Ernest complex, 7 to 15 percent slopes	1.7	1.7	1.7	--	--	1.7	--	--	--

Attachment DR3 Soils-2b

Soils of Access Roads (Permanent and Temporary Impacts)

County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Rating f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/
	13B	Frederick and Vertrees gravelly silt loams, 2 to 7 percent slopes	0.1	--	--	--	--	--	--	--	--
	13C	Frederick and Vertrees gravelly silt loams, 7 to 15 percent slopes	2.3	--	2.3	--	--	--	--	--	--
	13D	Frederick and Vertrees gravelly silt loams, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	--	--	--
	16B	Groseclose and Poplimento soils, 2 to 7 percent slopes	1.3	--	--	--	--	--	--	--	--
	16C	Groseclose and Poplimento soils, 7 to 15 percent slopes	1.2	--	1.2	--	--	--	--	--	--
	16D	Groseclose and Poplimento soils, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	--	--	--
	16E	Groseclose and Poplimento soils, 25 to 60 percent slopes	--	--	0.0	--	--	--	--	--	--
	17C	Groseclose and Poplimento gravelly soils, 7 to 15 percent slopes	2.1	--	--	--	--	--	--	--	--
	19B	Guernsey silt loam, 2 to 7 percent slopes	0.1	--	--	--	--	--	--	--	--
	1C	Berks-Clymer complex, 7 to 15 percent slopes	--	--	--	--	3.0	--	--	--	--
	20B	Hayter loam, 2 to 7 percent slopes	1.3	1.3	--	--	--	1.3	--	--	--
	21C	Hayter soils, 7 to 15 percent slopes	1.3	1.3	--	--	--	1.3	--	--	--
	22C	Jefferson soils, 7 to 15 percent slopes	1.4	--	--	--	--	--	--	--	--
	23C	Jefferson very stony soils, 7 to 15 percent slopes	0.0	--	--	--	--	--	--	--	0.0
	24D	Jefferson extremely stony soils, 7 to 25 percent slopes	--	--	2.8	--	--	--	--	--	2.8
	2C	Allegheny loam, 7 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--
	30C	Unison and Braddock soils, 7 to 15 percent slopes	0.1	0.1	0.1	--	--	0.1	--	--	--
	30D	Unison and Braddock soils, 15 to 25 percent slopes	0.4	0.4	0.4	--	--	0.4	--	--	--
	34E	Wurno-Caneyville complex, 25 to 45 percent slopes	--	--	0.6	--	--	--	--	--	--
	3D	Berks-Lowell-Rayne complex, 15 to 25 percent slopes	0.6	--	0.6	--	--	--	--	--	--
	3E	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	--	--	4.8	--	--	--	--	--	--
	4E	Berks-Rock outcrop complex, 25 to 70 percent slopes	--	--	1.4	--	--	--	--	--	--

Attachment DR3 Soils-2b

Soils of Access Roads (Permanent and Temporary Impacts)

County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Rating f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/
	5D	Berks-Weikert complex, 15 to 25 percent slopes	--	--	0.3	--	0.3	--	--	--	--
	5E	Chiswell-Litz complex, 25 to 50 percent slopes	--	--	0.1	--	0.1	--	--	--	--
	6E	Berks and Weikert soils, 25 to 65 percent slopes	--	--	21.6	--	21.6	--	--	--	--
	8D	Caneyville-Opequon-Rock outcrop complex, 7 to 25 percent slopes	--	--	0.4	--	--	--	--	--	--
	8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	--	--	4.4	--	--	--	--	--	--
	9C	Carbo and Chilhowie soils, 7 to 15 percent slopes	--	--	1.6	--	--	--	--	--	--
	9D	Carbo and Chilhowie soils, 15 to 25 percent slopes	--	--	0.1	--	--	--	--	--	--
	W	Water	--	--	--	--	--	--	--	--	--
Pittsylvania	11B3	Cullen clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	--	--	--
	11C3	Cullen clay loam, 7 to 15 percent slopes, severely eroded	--	--	1.1	--	--	--	--	--	--
	12C	Enott fine sandy loam, 7 to 15 percent slopes	0.6	--	0.6	--	--	--	--	--	--
	16B	Helena sandy loam, 2 to 7 percent slopes	1.1	--	--	--	--	--	--	--	--
	18B3	Hiwassee clay loam, 2 to 7 percent slopes, severely eroded	--	--	--	--	--	--	--	--	--
	18C3	Hiwassee clay loam, 7 to 15 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--
	1B	Appling sandy loam, 2 to 7 percent slopes	0.1	--	--	--	--	--	--	--	--
	1C	Appling sandy loam, 7 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--
	21D	Madison fine sandy loam, 15 to 25 percent slopes	0.3	--	0.3	--	--	--	--	--	--
	21E	Madison fine sandy loam, 25 to 45 percent slopes	--	--	0.8	--	--	--	--	--	--
	22B	Mattaponi sandy loam, 2 to 7 percent slopes	0.7	--	--	--	--	--	--	--	--
	22C	Mattaponi sandy loam, 7 to 15 percent slopes	0.5	--	0.5	--	--	--	--	--	--
	23B	Mayodan fine sandy loam, 2 to 7 percent slopes	1.6	--	--	--	--	--	--	--	--
	38A	Toccoa fine sandy loam, 0 to 2 percent slopes, occasionally flooded	0.0	--	--	--	--	--	--	--	--
	4B	Cecil sandy loam, 2 to 7 percent slopes	1.8	--	--	--	--	--	--	--	--
	4C	Cecil sandy loam, 7 to 15 percent slopes	0.5	--	0.5	--	--	--	--	--	--

Attachment DR3 Soils-2b

Soils of Access Roads (Permanent and Temporary Impacts)

County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Rating f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/
	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	1.0	--	--	--	--	--	--	--	--
	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.7	--	--	--	--	--	--	--	--
	8A	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	--	--	--	--	--	--	--	--	--
	9B	Creedmoor fine sandy loam, 2 to 7 percent slopes	0.1	--	--	--	--	--	0.1	--	--
Roanoke	11C	Dekalb channery sandy loam, 7 to 15 percent slopes, very stony	--	--	--	--	0.7	--	--	--	0.7
	11D	Dekalb channery sandy loam, 15 to 35 percent slopes, very stony	--	--	--	--	0.8	--	--	--	0.8
	11E	Dekalb channery sandy loam, 35 to 60 percent slopes, very stony	--	--	1.0	--	1.0	--	--	--	1.0
	13A	Derroc cobbly sandy loam, 0 to 4 percent slopes, occasionally flooded	--	--	--	--	--	--	--	--	--
	16B	Edneyville fine sandy loam, 2 to 7 percent slopes	0.0	--	--	--	--	--	--	--	--
	16C	Edneyville fine sandy loam, 7 to 15 percent slopes	3.2	--	--	--	--	--	--	--	--
	16D	Edneyville fine sandy loam, 15 to 25 percent slopes	3.9	--	3.9	--	--	--	--	--	--
	16E	Edneyville fine sandy loam, 25 to 55 percent slopes	--	--	3.7	--	--	--	--	--	--
	17C	Evard fine sandy loam, 7 to 15 percent slopes	0.3	--	--	--	--	--	--	--	--
	1A	Alderflats silt loam, 0 to 4 percent slopes	--	1.1	--	--	--	1.1	1.1	1.1	--
	23C	Grimsley cobbly loam, 7 to 15 percent slopes	--	--	--	--	0.6	--	--	--	--
	2C	Allegheny loam, 7 to 15 percent slopes	1.0	--	1.0	--	--	--	--	--	--
	30C	Unison and Braddock soils, 7 to 15 percent slopes	0.7	0.7	0.7	--	--	0.7	--	--	--
	46E	Sylvatus very channery silt loam, 35 to 55 percent slopes	--	--	1.5	--	1.5	--	--	--	--
	46F	Sylvatus very channery silt loam, 55 to 75 percent slopes	--	--	1.2	--	1.2	--	--	--	--
	47B	Thurmont sandy loam, 2 to 7 percent slopes	0.7	--	--	--	--	--	--	--	--
	47C	Thurmont sandy loam, 7 to 15 percent slopes	0.0	--	--	--	--	--	--	--	--
	5E	Chiswell-Litz complex, 25 to 50 percent slopes	--	--	0.7	--	0.7	--	--	--	--
Braxton	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	4.2

Attachment DR3 Soils-2b

Soils of Access Roads (Permanent and Temporary Impacts)

County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Rating f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/
	Ch	Chavies fine sandy loam, rarely flooded	0.3	--	--	--	--	--	--	--	--
	Cr	Craigsville gravelly sandy loam	1.1	--	--	--	--	--	--	--	--
	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	6.8	--	--	--	--	--	6.8
	GLC	Gilpin-Lily complex, 8 to 15 percent slopes	0.9	--	0.9	--	--	--	--	--	--
	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	6.5	--	6.5	--	--	--	--	--	--
	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	2.5	--	2.5	--	--	--	--	--	--
	GuC	Gilpin-Upshur silt loams, 8 to 15 percent slopes	2.0	--	2.0	--	--	--	--	--	--
	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	0.9	--	0.9	--	--	--	--	--	--
	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	2.2	--	2.2	--	--	--	--	--	--
	GuF	Gilpin-Upshur silt loams, 35 to 70 percent slopes	--	--	2.7	--	--	--	--	--	--
	Po	Pope sandy loam	1.6	--	--	--	--	--	--	--	--
	SoA	Sensabaugh silt loam, 0 to 3 percent slopes, occasionally flooded	0.0	0.0	--	--	--	0.0	--	--	--
	SrB	Sensabaugh silt loam, 3 to 8 percent slopes, rarely flooded	3.2	3.2	--	--	--	3.2	--	--	--
	VaE	Vandalia silt loam, 25 to 35 percent slopes	1.3	--	1.3	--	--	--	--	--	--
	W	Water	--	--	--	--	--	--	--	--	--
Doddridge	GsE	Gilpin-Peabody complex, 15 to 35 percent slopes, very stony	--	--	3.0	--	--	--	--	--	3.0
	GsF	Gilpin-Peabody complex, 35 to 70 percent slopes, very stony	--	--	1.5	--	--	--	--	--	1.5
	Se	Sensabaugh silt loam	0.4	--	--	--	--	0.4	--	--	--
	SeB	Sensabaugh silt loam, 3 to 8 percent slopes, rarely flooded	0.5	--	--	--	--	--	--	--	--
Fayette	CaC	Cateache channery silt loam, 8 to 15 percent slopes	0.0	--	--	--	--	--	--	--	--
	CcG	Cateache-Pipestem complex, 35 to 80 percent slopes, very stony	--	--	1.9	--	--	--	--	--	1.9
	MlA	Melvin-Lindside complex, 0 to 3 percent slopes, frequently flooded	0.2	--	--	--	--	0.2	0.2	0.2	--
Greenbrier	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	--	--	0.5
	CdC	Cateache silt loam, 3 to 15 percent slopes, very stony	0.0	--	--	--	--	--	--	--	0.0

Attachment DR3 Soils-2b

Soils of Access Roads (Permanent and Temporary Impacts)

County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Rating f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/
	CfD	Cateache silt loam, 15 to 25 percent slopes	0.2	--	0.2	--	--	--	--	--	--
	CgC	Cateache silt loam, 3 to 15 percent slopes, very stony	0.6	--	--	--	--	--	--	--	0.6
	CgF	Cateache silt loam, 35 to 55 percent slopes, very stony	--	--	1.9	--	--	--	--	--	1.9
	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1
	CpB	Cookport loam, 3 to 8 percent slopes	0.2	--	--	--	--	--	0.2	--	--
	CyE	Culleoka loam, 25 to 35 percent slopes, very stony	--	--	1.2	--	--	--	--	--	1.2
	CyF	Culleoka loam, 35 to 55 percent slopes, very stony	--	--	1.8	--	--	--	--	--	1.8
	GnC	Gilpin channery silt loam, moist, 8 to 15 percent slopes	0.3	--	--	--	--	--	--	--	--
	GnD	Gilpin channery silt loam, moist, 15 to 25 percent slopes	0.8	--	0.8	--	--	--	--	--	--
	GpC	Gilpin channery silt loam, 3 to 15 percent slopes, very stony	7.0	--	--	--	--	--	--	--	7.0
	GpE	Gilpin channery silt loam, 15 to 35 percent slopes, very stony	--	--	1.1	--	--	--	--	--	1.1
	KxF	Kaymine-rock outcrop complex, very steep	--	--	15.1	--	--	--	--	--	--
	LgC	Lily sandy loam, 8 to 15 percent slopes	1.7	--	--	--	--	--	--	--	--
	LhE	Lily sandy loam, 15 to 35 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1
	Lo	Lobdell silt loam	0.7	--	--	--	--	--	--	--	--
	McC	Macove channery silt loam, 3 to 15 percent slopes, very stony	1.6	--	--	--	--	--	--	--	1.6
	McE	Macove channery silt loam, 15 to 35 percent slopes, very stony	--	--	--	--	--	--	--	--	1.4
	MeF	Macove-Gilpin complex, 35 to 55 percent slopes, very stony	--	--	17.4	--	--	--	--	--	17.4
	Ml	Melvin-Lindside complex	0.5	--	--	--	--	0.5	0.5	0.5	--
	Po	Pope fine sandy loam, warm, 0 to 3 percent slopes, occasionally flooded	0.0	--	--	--	--	--	--	--	--
	SfC	Shouns channery silt loam, 8 to 15 percent slopes	0.4	--	--	--	--	--	--	--	--
	ShC	Shouns channery silt loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.0

Attachment DR3 Soils-2b

Soils of Access Roads (Permanent and Temporary Impacts)

County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Rating f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/
	ShE	Shouns channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	0.9	--	--	--	--	--	0.9
	ZoA	Zoar silt loam, 0 to 3 percent slopes	0.4	--	--	--	--	--	--	--	--
Harrison	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.0	--	--	--	--	--	--
	GuC	Gilpin-Upshur complex, 8 to 15 percent slopes	0.5	--	0.5	--	--	--	--	--	--
	GuC3	Gilpin-Upshur complex, 8 to 15 percent slopes, severely eroded	3.0	--	3.0	--	--	--	--	--	--
	GuD3	Gilpin-Upshur complex, 15 to 25 percent slopes, severely eroded	--	--	1.2	--	--	--	--	--	--
	GuE	Gilpin-Upshur complex, 25 to 35 percent slopes	--	--	0.2	--	--	--	--	--	--
	GuE3	Gilpin-Upshur complex, 25 to 35 percent slopes, severely eroded	--	--	7.6	--	--	--	--	--	--
	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	17.1	--	--	--	--	--	--
	Ha	Hackers silt loam, 0 to 3 percent slopes, rarely flooded	0.3	--	--	--	--	0.3	--	--	--
	Lh	Lobdell-Holly silt loams	0.0	--	--	--	--	--	0.0	0.0	--
	Ln	Lindside silt loam	0.2	--	--	--	--	--	--	--	--
	Ph	Philo silt loam	0.6	--	--	--	--	--	--	--	--
	Tg	Tygart silt loam	--	0.3	--	--	--	--	0.3	--	--
	UF	Udifluvents and Fluvaquents	--	--	--	--	--	--	3.1	3.1	--
	UhD3	Upshur silty clay, 15 to 25 percent slopes, severely eroded	--	--	0.7	--	--	--	--	--	--
	UL	Urban land	--	--	--	--	0.1	--	--	--	--
	VaC	Vandalia silty clay loam, 8 to 15 percent slopes	1.9	--	1.9	--	--	--	--	--	--
	VaD	Vandalia silty clay loam, 15 to 25 percent slopes	1.5	--	1.5	--	--	--	--	--	--
Lewis	Cn	Chagrin silt loam, 0 to 3 percent slopes, occasionally flooded	0.4	--	--	--	--	--	--	--	--
	GuC	Gilpin-Upshur silt loams, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	--	--	--
	GuD	Gilpin-Upshur silt loams, 15 to 25 percent slopes	2.8	--	2.8	--	--	--	--	--	--
	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	14.4	--	--	--	--	--	--
	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	52.8	--	--	--	--	--	--

Attachment DR3 Soils-2b

Soils of Access Roads (Permanent and Temporary Impacts)

County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Rating f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/
	JaE	Janelew channery silt loam, steep	--	--	4.0	--	--	--	--	--	--
	Lh	Lobdell-Holly silt loams	1.7	--	--	--	--	--	1.7	1.7	--
	Su	Sensabaugh silt loam	2.1	--	--	--	--	--	--	--	--
	VaC	Vandalia silt loam, 8 to 15 percent slopes	1.6	--	1.6	--	--	--	--	--	--
	VaD	Vandalia silt loam, 15 to 25 percent slopes	4.5	--	4.5	--	--	--	--	--	--
	VaE	Vandalia silt loam, 25 to 35 percent slopes	--	--	5.7	--	--	--	--	--	--
Monroe	At	Atkins silt loam, warm, 0 to 3 percent slopes, frequently flooded	1.2	1.2	--	--	--	1.2	--	1.2	--
	BtC	Blackthorn very channery loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.2
	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	2.9	--	2.9	--	--	--	--	--	--
	ClE	Cateache-Litz complex, 25 to 35 percent slopes	--	--	9.6	--	--	--	--	--	--
	ClF	Cateache-Litz complex, 35 to 55 percent slopes	--	--	11.0	--	--	--	--	--	--
	CnE	Cateache-Litz complex, 15 to 35 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2
	CsB	Clarksburg silt loam, 3 to 8 percent slopes	1.8	--	--	--	--	1.8	1.8	--	--
	CsC	Clarksburg silt loam, 8 to 15 percent slopes	1.3	--	1.3	--	--	--	1.3	--	--
	DeD	Dekalb channery loam, 15 to 25 percent slopes, very stony	--	--	--	--	0.1	--	--	--	0.1
	DeF	Dekalb channery loam, 35 to 55 percent slopes, very stony	--	--	1.2	--	1.2	--	--	--	1.2
	ErB	Ernest silt loam, warm, 3 to 8 percent slopes	0.2	--	--	--	--	--	0.2	--	--
	FFE	Frederick and Dunmore soils, 25 to 45 percent slopes, very rocky	--	--	0.8	--	--	--	--	--	0.8
	GLB	Gilpin and Lily soils, 3 to 8 percent slopes	2.8	--	--	--	--	--	--	--	--
	GLC	Gilpin and Lily soils, 8 to 15 percent slopes	1.7	--	1.7	--	--	--	--	--	--
	LaC	Laidig channery loam, 8 to 15 percent slopes	0.2	--	--	--	--	--	0.2	--	--
	LbC	Laidig channery loam, 3 to 15 percent slopes, very stony	--	--	--	--	--	--	0.7	--	0.7
	LbD	Laidig channery loam, 15 to 25 percent slopes, very stony	--	--	0.2	--	--	--	0.2	--	0.2
	LfD	Lily channery loam, 15 to 25 percent slopes	0.0	--	0.0	--	--	--	--	--	--

Attachment DR3 Soils-2b

Soils of Access Roads (Permanent and Temporary Impacts)

County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Rating f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/
	LgC	Lily sandy loam, 8 to 15 percent slopes	1.1	--	--	--	--	--	--	--	--
	LgD	Lily sandy loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	--	--	--
	LsC	Litz channery silt loam, 8 to 15 percent slopes	0.9	--	0.9	--	0.9	--	--	--	--
	LsD	Litz channery silt loam, 15 to 25 percent slopes	0.5	--	0.5	--	0.5	--	--	--	--
	LsE	Litz channery silt loam, 25 to 35 percent slopes	--	--	0.8	--	0.8	--	--	--	--
	LtB	Litz silt loam, 3 to 8 percent slopes	1.4	--	--	--	--	--	--	--	--
	LtC	Litz silt loam, 8 to 15 percent slopes	0.3	--	0.3	--	0.3	--	--	--	--
	LtD	Litz silt loam, 15 to 25 percent slopes	0.5	--	0.5	--	0.5	--	--	--	--
	LtE	Litz silt loam, 25 to 35 percent slopes	--	--	1.0	--	1.0	--	--	--	--
	LtF	Litz silt loam, 35 to 60 percent slopes	--	--	2.3	--	2.3	--	--	--	--
	LwC	Litz-Cateache complex, 8 to 15 percent slopes	2.2	--	2.2	--	--	--	--	--	--
	Me	Melvin silt loam	3.7	--	--	--	--	3.7	3.7	3.7	--
	RgD	Rough very channery silt loam, 15 to 25 percent slopes	--	--	1.2	--	1.2	--	--	--	--
	RgE	Rough very channery silt loam, 25 to 35 percent slopes	--	--	0.6	--	0.6	--	--	--	--
	TtB	Tilsit silt loam, 3 to 8 percent slopes	1.3	--	--	--	--	1.3	--	--	--
	UF	Udifluvents-Fluvaquents complex	1.8	--	--	--	--	--	1.8	1.8	--
	WeF	Weikert channery silt loam, 25 to 55 percent slopes	--	--	3.3	--	3.3	--	--	--	--
Nicholas	FeB	Fenwick silt loam, 3 to 8 percent slopes	0.4	--	--	--	--	--	--	--	--
	DeC	Dekalb channery sandy loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	1.1	--	--	--	1.1
	BuC	Buchanan loam, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	0.8	--	--
	BvC	Buchanan channery fine sandy loam, 8 to 15 percent slopes, extremely stony	--	--	2.8	--	--	--	2.8	--	2.8
	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	30.2	--	--	--	30.2	--	30.2
	ClB	Clifftop channery silt loam, 3 to 8 percent slopes	1.0	--	--	--	--	--	--	--	--
	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	8.0	--	8.0	--	--	--	--	--	--
	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	4.1	--	4.1	--	--	--	--	--	--
	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	0.7	--	--	--	--	--	--

Attachment DR3 Soils-2b

Soils of Access Roads (Permanent and Temporary Impacts)

County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Rating f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/
	CnC	Clifftop channery silt loam, 3 to 15 percent slopes, very stony	0.9	--	0.9	--	--	--	--	--	0.9
	CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	--	--	15.4	--	--	--	--	--	15.4
	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	27.2	--	--	--	--	--	27.2
	CoF	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	--	--	10.1	--	--	--	--	--	10.1
	CtB	Cotaco silt loam, 3 to 8 percent slopes	0.5	--	--	--	--	--	--	--	--
	DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	4.0	--	--	--	4.0
	DeF	Dekalb channery sandy loam, 35 to 70 percent slopes, extremely stony	--	--	4.1	--	4.1	--	--	--	4.1
	Ed	Elkins silt loam, drained	9.9	--	--	--	--	9.9	--	9.9	--
	ItF	Itmann channery sandy loam, very steep	--	--	2.3	--	2.3	--	--	--	--
	KaB	Kaymine channery loam, 3 to 8 percent slopes, extremely stony	--	--	--	--	--	--	--	--	0.5
	KaF	Kaymine channery loam, very steep, extremely stony	--	--	2.5	--	--	--	--	--	2.5
	LlB	Lily loam, 3 to 8 percent slopes	1.0	--	--	--	--	--	--	--	--
	LlC	Lily loam, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	--	--	--
	Pp	Pope-Potomac complex, very cobbly	--	--	--	--	--	--	--	--	--
	Pr	Pope-Craigsville complex	0.6	--	--	--	--	--	--	--	--
	Ud	Udorthents, smoothed	--	--	--	--	--	--	--	--	--
Summers	CeC	Cateache-Berks channery silt loams, 3 to 15 percent slopes	0.4	--	0.4	--	--	--	--	--	--
	CeD	Cateache-Berks channery silt loams, 15 to 30 percent slopes	0.4	--	0.4	--	--	--	--	--	--
	ChD	Cateache-Berks channery silt loams, 15 to 30 percent slopes, very stony	1.3	--	1.3	--	--	--	--	--	1.3
	ChF	Cateache-Berks channery silt loams, 30 to 70 percent slopes, very stony	--	--	7.4	--	--	--	--	--	7.4
	ClD	Cateache-Litz complex, 15 to 25 perecnt slopes	0.1	--	0.1	--	--	--	--	--	--
	Cm	Chagrin loam	4.0	4.0	--	--	--	4.0	--	--	--

Attachment DR3 Soils-2b

Soils of Access Roads (Permanent and Temporary Impacts)

County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Rating f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/
	CuF	Culleoka silt loam, 30 to 65 percent slopes	--	--	0.4	--	--	--	--	--	--
	DeD	Dekalb channery fine sandy loam, 15 to 30 percent slopes	0.7	--	0.7	--	0.7	--	--	--	--
	DgF	Dekalb-Gilpin-Jefferson complex, 35 to 80 percent slopes, very stony	--	--	1.9	--	--	--	--	--	1.9
	ErC	Ernest silt loam, warm, 8 to 15 percent slopes	0.7	0.7	0.7	--	--	0.7	0.7	--	--
	GbC	Gilpin-Berks channery silt loams, 8 to 15 percent slopes	2.3	--	2.3	--	--	--	--	--	--
	GbD	Gilpin-Berks channery silt loams, 15 to 30 percent slopes	2.8	--	2.8	--	--	--	--	--	--
	GbF	Gilpin-Berks channery silt loams, 30 to 70 percent slopes	--	--	0.5	--	--	--	--	--	--
	Ka	Kanawha fine sandy loam	0.1	--	--	--	--	--	--	--	--
	LlB	Lily loam, 3 to 8 percent slopes	6.7	--	--	--	--	--	--	--	--
	LlC	Lily loam, 8 to 15 percent slopes	2.6	--	2.6	--	--	--	--	--	--
	Lo	Lobdell loam	1.1	1.1	--	--	--	1.1	--	--	--
	MgB	Monongahela silt loam, warm, 3 to 8 percent slopes	2.4	--	--	--	--	--	--	--	--
	ShB	Shouns silt loam, 3 to 8 percent slopes	1.0	--	--	--	--	--	--	--	--
	ShC	Shouns silt loam, 8 to 15 percent slopes	1.0	--	1.0	--	--	--	--	--	--
	ShD	Shouns silt loam, 15 to 30 percent slopes	0.4	--	0.4	--	--	--	--	--	--
	StC	Shouns silt loam, 3 to 15 percent slopes, very stony	2.1	--	2.1	--	--	--	--	--	2.1
	StD	Shouns silt loam, 15 to 30 percent slopes, very stony	3.1	--	3.1	--	--	--	--	--	3.1
	Ud	Udifluvents and Psamments, frequently flooded	0.3	--	--	--	--	--	--	--	--
Webster	At	Atkins loam	1.4	1.4	--	--	--	1.4	1.4	1.4	--
	Ch	Chavies fine sandy loam, moist, 0 to 3 percent slopes, rarely flooded	1.1	--	--	--	--	--	--	--	--
	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	--	--	--
	ClD	Clifftop channery silt loam, 15 to 25 percent slopes	1.4	--	1.4	--	--	--	--	--	--
	ClE	Clifftop channery silt loam, 25 to 35 percent slopes	2.9	--	2.9	--	--	--	--	--	--
	ClF	Clifftop channery silt loam, 35 to 70 percent slopes	--	--	3.8	--	--	--	--	--	--

Attachment DR3 Soils-2b

Soils of Access Roads (Permanent and Temporary Impacts)

County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Rating f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/
	CnF	Clifftop channery silt loam, 35 to 70 percent slopes, very stony	--	--	0.1	--	--	--	--	--	0.1
	CSF	Clifftop-Laidig association, very steep, extremely stony	--	--	0.6	--	--	--	--	--	0.6
	CtB	Cotaco silt loam, 3 to 8 percent slopes	2.9	--	--	--	--	--	--	--	--
	Cv	Craigsville gravelly loam, 0 to 5 percent slopes	0.8	--	--	--	--	--	--	--	--
	DrF	Dekalb-Rock outcrop complex, 35 to 70 percent slopes, extremely stony	--	--	6.2	--	6.2	--	--	--	6.2
	GbC	Gilpin silt loam, 8 to 15 percent slopes	0.0	--	0.0	--	--	--	--	--	--
	GbD	Gilpin silt loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--
	GbE	Gilpin silt loam, 25 to 35 percent slopes	1.0	--	1.0	--	--	--	--	--	--
	GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	7.0	--	7.0	--	--	--	--	--	7.0
	GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	--	--	19.3	--	--	--	--	--	19.3
	LaC	Laidig channery silt loam, 8 to 15 percent slopes	1.2	--	--	--	1.2	--	--	--	--
	LdC	Laidig channery silt loam, 3 to 15 percent slopes, extremely stony	--	--	--	--	0.5	--	--	--	0.5
	LdE	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	8.8	--	8.8	--	--	--	8.8
	Pe	Philo-Pope complex	0.2	--	--	--	--	--	--	--	--
	PLF	Pineville-Gilpin-Guyandotte association, very steep, extremely stony	--	--	81.7	--	--	--	--	--	81.7
	Po	Pope loam	1.6	--	--	--	--	--	--	--	--
	Pp	Pope-Potomac complex, very cobbly	--	--	--	--	--	--	--	--	--
	Pr	Pope-Craigsville complex	0.0	--	--	--	--	--	--	--	--
	W	Water	--	--	--	--	--	--	--	--	--
Wetzel	GpD	Gilpin-Peabody complex, 15 to 25 percent slopes	19.0	--	19.0	--	--	--	--	--	--
	GpE	Gilpin-Peabody complex, 25 to 35 percent slopes	3.3	--	3.3	--	--	--	--	--	--
	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	12.5	--	--	--	--	--	--
	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	0.6	--	--	--	--	--	--
	No	Nolin loam	0.7	--	--	--	--	--	--	--	--

Attachment DR3 Soils-2b

Soils of Access Roads (Permanent and Temporary Impacts)

County	ID	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Rating f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/
	Sk	Skidmore gravelly loam	5.7	--	--	--	--	--	--	--	--
		Total	**317**	**25**	**732.8**	**--**	**73**	**44.9**	**53.7**	**24.7**	**340.0**

Source: NCRS 2015

Note: Totals may not sum correctly due to rounding.

-/ Does not meet criteria below

a/ Areas identified as Prime Farmland are identified as lands that meet the All Prime Farmland or Farmland of Statewide and Local Importance criteria as determined by NRCS, SSURGO.

b/ Areas identified to have a severe compaction potential are limited to silt loam or finer based on particle size and ranked “somewhat poor”, “poor” and “very poor” drainage as determined by SSURGO.

c/ Areas identified as Highly Water Erodible Soils are ranked as “Very Severe” or “Severe” by SSURGO Erosion Hazard (Off-Road, Off-Trail) criteria.

d/ Areas identified as Highly Wind Erodible Soils have a Wind Erodibility Index of 1 or 2 as determined by SSURGO.

e/ Areas identified to have poor revegetation potential are lands that have a Capability Class 3 or greater, a low available water capacity and slopes greater than 8 percent as determined by SSURGO.

f/ Areas identified to have a hydric rating include the all and partial criteria as determined by SSURGO.

g/ Areas identified to have shallow depth to water are described as having a water table of less than 1.5 feet from the surface as determined by SSURGO.

h/ Areas identified to have poor drainage potential are ranked as “poor” or “very poor” as determined by SSURGO.

i/ Areas identified to have Stoney/Rocky Soils are soils that as determined by SSURGO. Include stone, rocky or cobbles in the soil name. (does not include rock outcrop soils)

Mountain Valley Pipeline, LLC
Mountain Valley Pipeline Project
Docket No. CP16-10-000

Responses to FERC Environmental Information Request #3
Dated June 28, 2016

ATTACHMENTS

Attachment DR3 Soils-2c

Attachment DR3 Soils-2c

Soils of Cathodic Protection (Temporary Impacts)

Name	Sym.	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage h/	Rocky/ Stoney i/
MVP-CPGB-01A	Sk	Skidmore gravelly loam	0.7	--	--	--	--	--	--	--	--
MVP-CPGB-01B	VaD	Vandalia silty clay loam, 15 to 25 percent slopes	0.5	--	0.5	--	--	--	--	--	--
MVP-CPGB-08	GlC	Gilpin-Lily complex, 8 to 15 percent slopes	0.8	--	0.8	--	--	--	--	--	--
	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	0.0	--	0.0	--	--	--	--	--	--
MVP-CPGB-04	Co	Cotaco silt loam	0.0	--	--	--	--	0.0	--	--	--
	Me	Melvin silt loam	0.1	--	--	--	--	0.1	--	0.1	--
	Se	Sensabaugh silt loam	0.7	--	--	--	--	0.7	--	--	--
MVP-CPGB-27	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.6	--	0.6	--	--	--	--	--	--
	7D	Clifford fine sandy loam, 15 to 25 percent slopes	0.1	--	0.1	--	--	--	--	--	--
MVP-CPGB-28	7C	Clifford fine sandy loam, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	--	--	--
MVP-CPGB-26	23A	Iotla-Maggodee-Colescreek complex, 0 to 4 percent slopes	0.7	--	--	--	--	--	--	--	--
	8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	--	--	0.0	--	--	--	--	--	--
MVP-CPGB-21	1B	Allegheny loam, 2 to 7 percent slopes	0.6	--	--	--	--	--	--	--	--
	W	Water	--	--	--	--	--	--	--	--	--
MVP-CPGB-22	7.0	Chagrin silt loam	0.1	--	--	--	--	0.1	--	--	--

Attachment DR3 Soils-2c

Soils of Cathodic Protection (Temporary Impacts)

Name	Sym.	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage h/	Rocky/ Stoney i/
	4B	Braddock sandy loam, 2 to 7 percent slopes	0.6	--	--	--	--	--	--	--	--
	4C	Braddock sandy loam, 7 to 15 percent slopes	0.3	--	--	--	--	--	--	--	--
MVP-CPGB-15	GnC	Gilpin channery silt loam, moist, 8 to 15 percent slopes	0.0	--	--	--	--	--	--	--	--
MVP-CPGB-16	CyF	Culleoka loam, 35 to 55 percent slopes, very stony	--	--	0.4	--	--	--	--	--	0.4
	MaC	Macove channery silt loam, 8 to 15 percent slopes	0.3	--	--	--	--	--	--	--	--
MVP-CPGB-03	UF	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.9	0.9	--
MVP-CPGB-02	Ha	Hackers silt loam, 0 to 3 percent slopes, rarely flooded	0.3	--	--	--	--	0.3	--	--	--
	UF	Udifluvents and Fluvaquents	--	--	--	--	--	--	0.4	0.4	--
MVP-CPGB-07	Su	Sensabaugh silt loam	0.8	--	--	--	--	--	--	--	--
MVP-CPGB-06	Cn	Chagrin silt loam, 0 to 3 percent slopes, occasionally flooded	0.5	--	--	--	--	--	--	--	--
	GwF3	Gilpin-Upshur silt loams, 35 to 70 percent slopes, severely eroded	--	--	0.1	--	--	--	--	--	--
MVP-CPGB-05	GuE	Gilpin-Upshur silt loams, 25 to 35 percent slopes	--	--	0.3	--	--	--	--	--	--

Attachment DR3 Soils-2c

Soils of Cathodic Protection (Temporary Impacts)

Name	Sym.	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage h/	Rocky/ Stoney i/
	JaE	Janelew channery silt loam, steep	--	--	0.5	--	--	--	--	--	--
MVP-CPGB-19	UF	Udifluvents-Fluvaquents complex	0.7	--	--	--	--	--	0.7	0.7	--
	WeD	Weikert channery silt loam, 15 to 25 percent slopes	--	--	0.1	--	0.1	--	--	--	--
MVP-CPGB-20	CsB	Clarksburg silt loam, 3 to 8 percent slopes	0.3	--	--	--	--	0.3	0.3	--	--
	LsE	Litz channery silt loam, 25 to 35 percent slopes	--	--	0.3	--	0.3	--	--	--	--
MVP-CPGB-23	28.0	Ross soils	0.6	0.6	--	--	--	0.6	--	--	--
	33.0	Weaver soils	0.1	0.1	--	--	--	0.1	--	--	--
	9D	Carbo and Chilhowie soils, 15 to 25 percent slopes	--	--	0.1	--	--	--	--	--	--
MVP-CPGB-24	33.0	Weaver soils	0.2	0.2	--	--	--	0.2	--	--	--
	20B	Hayter loam, 2 to 7 percent slopes	0.3	0.3	--	--	--	0.3	--	--	--
MVP-CPGB-14	BuC	Buchanan loam, 8 to 15 percent slopes	0.7	--	0.7	--	--	--	0.7	--	--
	BvE	Buchanan channery fine sandy loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	--	--	0.1	--	0.1
	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--

Attachment DR3 Soils-2c

Soils of Cathodic Protection (Temporary Impacts)

Name	Sym.	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage h/	Rocky/ Stoney i/
MVP-CPGB-13	ClB	Clifftop channery silt loam, 3 to 8 percent slopes	0.1	--	--	--	--	--	--	--	--
	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.3	--	0.3	--	--	--	--	--	--
MVP-CPGB-29	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.0	--	--	--	--	--	--	--	--
	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.1	--	--	--	--	--	--	--	--
	22B	Mattaponi sandy loam, 2 to 7 percent slopes	0.8	--	--	--	--	--	--	--	--
MVP-CPGB-30	5B3	Cecil sandy clay loam, 2 to 7 percent slopes, severely eroded	0.6	--	--	--	--	--	--	--	--
	5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	0.1	--	--	--	--	--	--	--	--
MVP-CPGB-25	16C	Edneyville fine sandy loam, 7 to 15 percent slopes	0.5	--	--	--	--	--	--	--	--
MVP-CPGB-18	ShD	Shouns silt loam, 15 to 30 percent slopes	0.0	--	0.0	--	--	--	--	--	--
MVP-CPGB-17	LlB	Lily loam, 3 to 8 percent slopes	0.6	--	--	--	--	--	--	--	--
	LlC	Lily loam, 8 to 15 percent slopes	0.1	--	0.1	--	--	--	--	--	--

Attachment DR3 Soils-2c

Soils of Cathodic Protection (Temporary Impacts)

Name	Sym.	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage h/	Rocky/ Stoney i/
MVP-CPGB-11	LdE	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	--	--	0.1	--	0.1	--	--	--	0.1
	Po	Pope loam	0.6	--	--	--	--	--	--	--	--
MVP-CPGB-10	Cv	Craigsville gravelly loam, 0 to 5 percent slopes	0.0	--	--	--	--	--	--	--	--
MVP-CPGB-12	At	Atkins loam	0.3	0.3	--	--	--	0.3	0.3	0.3	--
	ClC	Clifftop channery silt loam, 8 to 15 percent slopes	0.4	--	0.4	--	--	--	--	--	--
MVP-CPGB-09	Ch	Chavies fine sandy loam, moist, 0 to 3 percent slopes, rarely flooded	0.0	--	--	--	--	--	--	--	--
		Totals	**15.7**	**1.5**	**6.2**	**0.0**	**0.4**	**3.0**	**3.4**	**2.4**	**0.6**

Source: NCRS 2015

Note: Totals may not sum correctly due to rounding.

-/ Does not meet criteria below

a/ Areas identified as Prime Farmland are identified as lands that meet the All Prime Farmland or Farmland of Statewide and Local Importance criteria as determined by NRCS, SSURGO.

b/ Areas identified to have a severe compaction potential are limited to silt loam or finer based on particle size and ranked “somewhat poor”, “poor” and “very poor” drainage as determined by SSURGO.

c/ Areas identified as Highly Water Erodible Soils are ranked as “Very Severe” or “Severe” by SSURGO Erosion Hazard (Off-Road, Off-Trail) criteria.

d/ Areas identified as Highly Wind Erodible Soils have a Wind Erodibility Index of 1 or 2 as determined by SSURGO.

e/ Areas identified to have poor revegetation potential are lands that have a Capability Class 3 or greater, a low available water capacity and slopes greater than 8 percent as determined by SSURGO.

f/ Areas identified to have a hydric rating include the all and partial criteria as determined by SSURGO.

g/ Areas identified to have shallow depth to water are described as having a water table of less than 1.5 feet from the surface as determined by SSURGO.

h/ Areas identified to have poor drainage potential are ranked as “poor” or “very poor” as determined by SSURGO.

i/ Areas identified to have Stoney/Rocky Soils are soils that as determined by SSURGO. Include stone, rocky or cobbles in the soil name. (does not include rock outcrop soils)

Mountain Valley Pipeline, LLC
Mountain Valley Pipeline Project
Docket No. CP16-10-000

Responses to FERC Environmental Information Request #3
Dated June 28, 2016

ATTACHMENTS

Attachment DR3 Soils-2d

Attachment DR3 Soils-2d

Soils of Meter Stations (Permeant and Temporary Impacts)

Meter Station	Sym	Soil Name	Prime Farmland a/	Compaction Potential b/	Water Erosion Potential c/	Wind Erosion Potential d/	Re-vegetation Potential e/	Hydric Soils f/	Shallow depth to Water table g/	Poor Drainage Potential h/	Rocky/ Stoney i/
Permanent											
Mobley IC	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.0	--	--	--	--	--	--
	Sk	Skidmore gravelly loam	0.6	--	--	--	--	--	--	--	--
Sherwood IC	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	2.0	--	--	--	--	--	--
TransCo IC	23B	Mayodan fine sandy loam, 2 to 7 percent slopes	2.4	--	--	--	--	--	--	--	--
WB IC	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	0.4	--	0.4	--	--	--	--	--	--
	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	0.8	--	0.8	--	--	--	--	--	--
		Total	**4.3**	**0.0**	**3.2**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Temporary											
Mobley IC	GpF	Gilpin-Peabody complex, 35 to 70 percent slopes	--	--	0.7	--	--	--	--	--	--
	Sk	Skidmore gravelly loam	3.4	--	--	--	--	--	--	--	--
Sherwood IC	GuF3	Gilpin-Upshur complex, 35 to 70 percent slopes, severely eroded	--	--	6.8	--	--	--	--	--	--
TransCo IC	23B	Mayodan fine sandy loam, 2 to 7 percent slopes	4.3	--	--	--	--	--	--	--	--
WB IC	BuE	Buchanan channery loam, 15 to 35 percent slopes, extremely stony	--	--	--	--	--	--	--	--	1.4
	GaF	Gilpin silt loam, 35 to 70 percent slopes, very stony	--	--	0.2	--	--	--	--	--	0.2
	GlD	Gilpin-Lily complex, 15 to 25 percent slopes	1.2	--	1.2	--	--	--	--	--	--
	GlE	Gilpin-Lily complex, 25 to 35 percent slopes	3.4	--	3.4	--	--	--	--	--	--
		Total	**12.3**	**0.0**	**12.3**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1.6**

Source: NCRS 2015 Note: Totals may not sum correctly due to rounding. -/ Does not meet criteria below

a/ Areas identified as Prime Farmland are identified as lands that meet the All Prime Farmland or Farmland of Statewide and Local Importance criteria as determined by NRCS, SSURGO.

b/ Areas with severe compaction potential are limited to silt loam or finer based on particle size and ranked “somewhat poor”, “poor” and “very poor” drainage as determined by SSURGO.

c/ Areas identified as Highly Water Erodible Soils are ranked as “Very Severe” or “Severe” by SSURGO Erosion Hazard (Off-Road, Off-Trail) criteria.

d/ Areas identified as Highly Wind Erodible Soils have a Wind Erodibility Index of 1 or 2 as determined by SSURGO.

e/ Areas with poor revegetation potential are lands that have a Capability Class 3 or greater, a low available water capacity and slopes greater than 8 percent as determined by SSURGO.

f/ Areas identified to have a hydric rating include the all and partial criteria as determined by SSURGO.

g/ Areas identified to have shallow depth to water are described as having a water table of less than 1.5 feet from the surface as determined by SSURGO.

h/ Areas identified to have poor drainage potential are ranked as “poor” or “very poor” as determined by SSURGO.

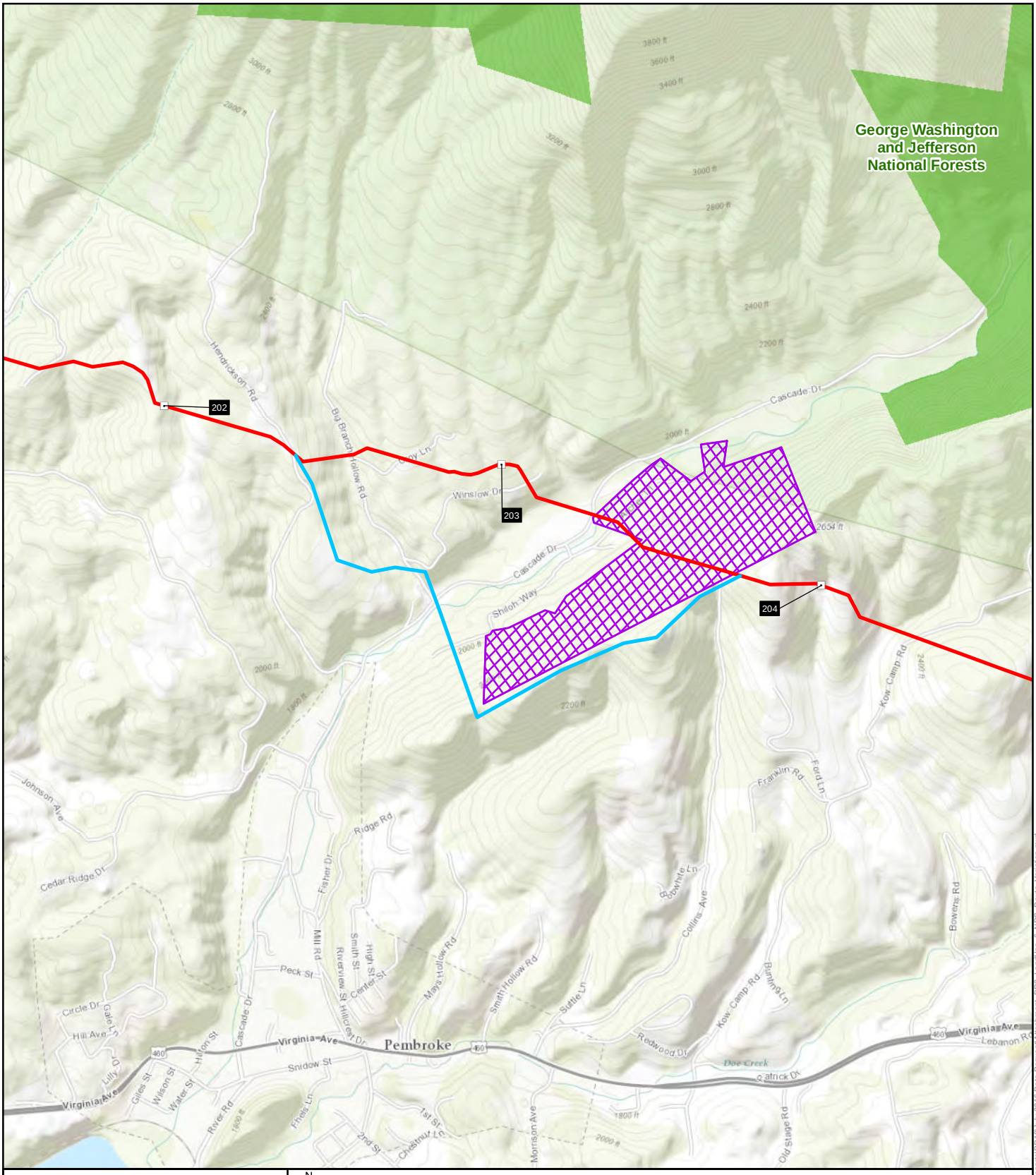
i/ Areas identified to have Stoney/Rocky Soils are soils that as determined by SSURGO. Include stone, rocky or cobbles in the soil name. (does not include rock outcrop soils)

Mountain Valley Pipeline, LLC
Mountain Valley Pipeline Project
Docket No. CP16-10-000

Responses to FERC Environmental Information Request #3
Dated June 28, 2016

ATTACHMENTS

Attachment DR3 Land Use-6a



Mountain Valley Pipeline

N

NAD 1983 UTM 17N

1:24,000

0 500 1,000 2,000 3,000 Feet

Mountain Valley PIPELINE

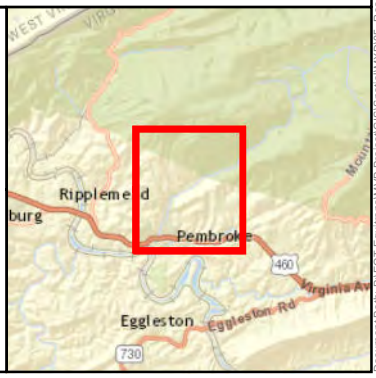
Attachment DR3 Land Use-6a
NRC Route Variation

July 2016

Data Sources: ESRI Streaming Data, 2016, USFS, 2016, NCED, 2014.

Legend

- Milepost
- New River Conservancy Variation
- Proposed Route
- New River Conservancy Easement
- US National Forest Service Boundary



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Mountain Valley Pipeline, LLC
Mountain Valley Pipeline Project
Docket No. CP16-10-000

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Dated June 28, 2016

ATTACHMENTS

Attachment DR3 Land Use-6b

Attachment DR3 Land Use-6b Comparison of the New River Conservancy Variation and the Proposed Route		
Feature	**New River Conservancy Variation**	**Proposed Route**
General		
Total length (miles)	1.8	1.4
Length adjacent to existing ROW (miles)	0	1.0
Land disturbed within construction ROW (acres) a/	27.9	20.8
Land within operational ROW (acres)	11.2	8.3
Additional Temporary Work Space and Staging Areas (number)	4	4
Additional Temporary Work Space and Staging Areas (acres)	1.8	1.8
Land Use		
Populated areas b/ within ½ mile (number)	1	0
New River Conservancy easement crossed (miles)	0	0.4
National Forest System lands crossed – Total (miles)	0	0
Agricultural land affected within construction ROW (acres)	2.8	0.3
Agricultural land affected within operation ROW (acres)	1.1	0.1
NRHP designated or eligible historic districts crossed (miles)	0	0
Landowner parcels crossed (number)	12	14
Residences within 50 feet of construction work space (number)	0	1
Resources		
Forested land crossed (miles)	1.6	1.2
Forested land affected during construction (acres)	24.0	18.1
Forested land affected during operation (acres)	9.6	7.2
Interior forest crossed (miles)	0	0
Wetlands (NWI) crossed (feet) d/	0	0
Forested wetlands crossed (feet) d/	0	0
Forested wetlands affected by construction (acres)	0	0
Forested wetlands affected by operation (acres)	0	0
Perennial waterbody crossings (number) d/	2	3
Perennial waterbody crossings, total width (feet)	37	62
Major (> 100 feet) waterbodies crossed (number)	0	0
Shallow bedrock crossed (miles)	0.4	0.6
Steep slope (>20 percent) crossed (miles)	1.4	0.8
Side slope crossed (miles)	1.3	0.9
Landslide potential crossed (miles) e/	1.8	1.4
Karst area crossed (miles)	0.2	0
Habitat for federally-listed species (acres) f/	0	0

a/ Assuming 125-foot-wide construction ROW.
b/ City or town limits as shown in Environmental Systems Research Institute (ESRI) data.
c/ not used in this table but retained for consistency with other alternative tables.
d/ NWI and NHD data used in order to provide a common comparison between the two routes since field surveys were not conducted along the alternative. Public data on waters with drinking water designation not available.
e/ areas mapped as High Incidence and/or High Susceptibility from Radbruch-Hall et. al 1982.
f/ based on publicly-available data.

ROW = right-of-way
NRHP = National Register of Historic Places
NHD = U.S. Geological Survey National Hydrography Dataset
NWI = U.S. Fish and Wildlife Service National Wetland Inventory

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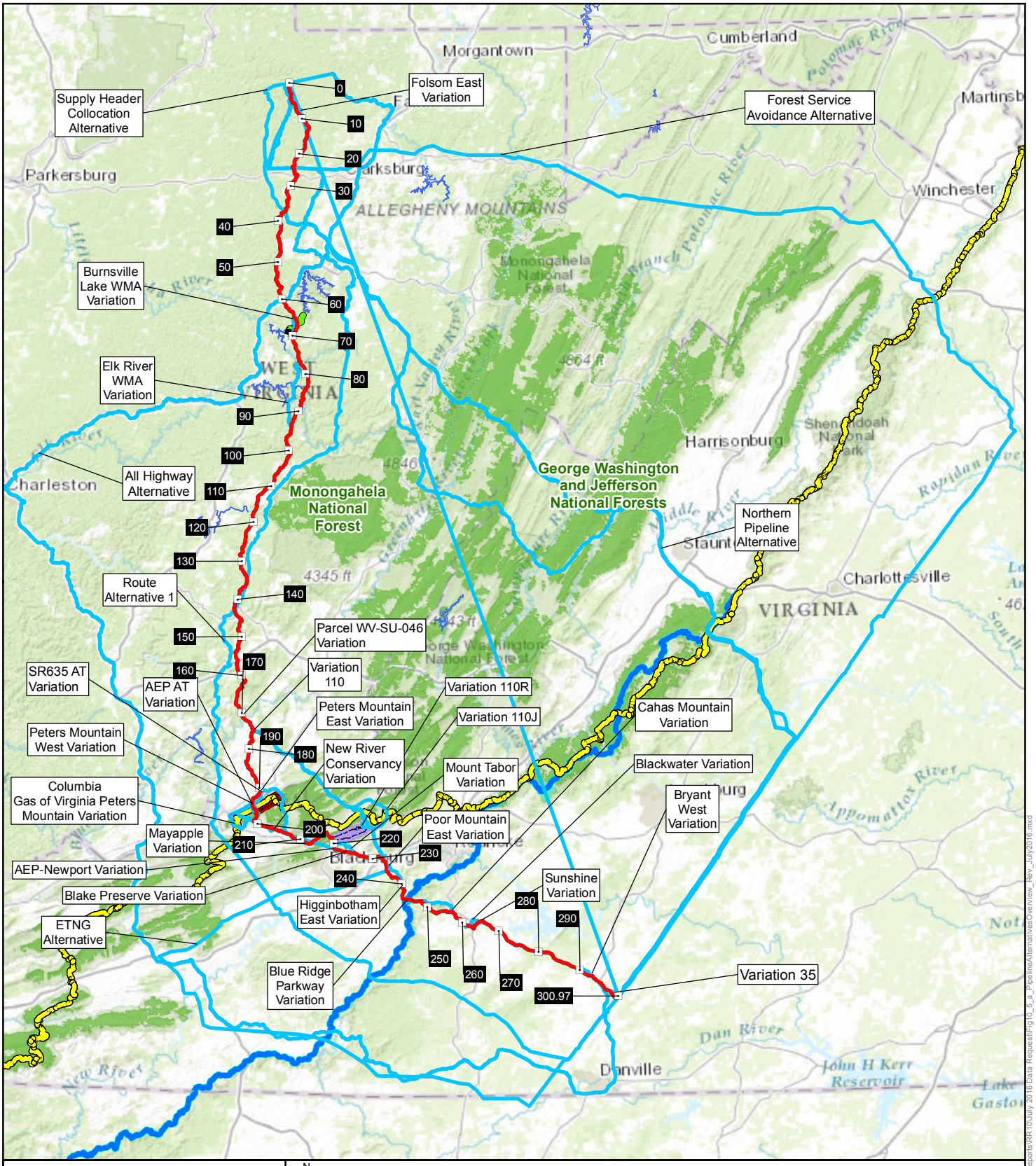
Attachment DR3 Land Use-6C



Mountain Valley Pipeline Project

N

NAD 1983 UTM 17N

1:1,750,000

0 5 10 20 30 40 Miles

Mountain Valley PIPELINE

Figure 10.5-a
Pipeline Alternatives
Overview Map

October 2015
(Revised July 2016)

Data Sources: ESRI Streaming Data, 2014, Ventyx 2014.

Legend

- Milepost
- Proposed Route
- Weston Gauley Turnpike Trail
- Appalachian Trail
- Blue Ridge Parkway
- Brush Mountain Wilderness
- Peters Mountain Wilderness
- Army Corps of Engineers Reservoir
- US National Forest Service Boundary
- Blue Ridge Parkway National Park Boundary

Document Path: P:\EQT-Equitrans\MVP Project\GIS\Spatial\MXD\05_Resource_Reports\RR10\July 2016 Data Request\rr10_5_a_PipelineAlternativesOverview_Rev_July2016.mxd

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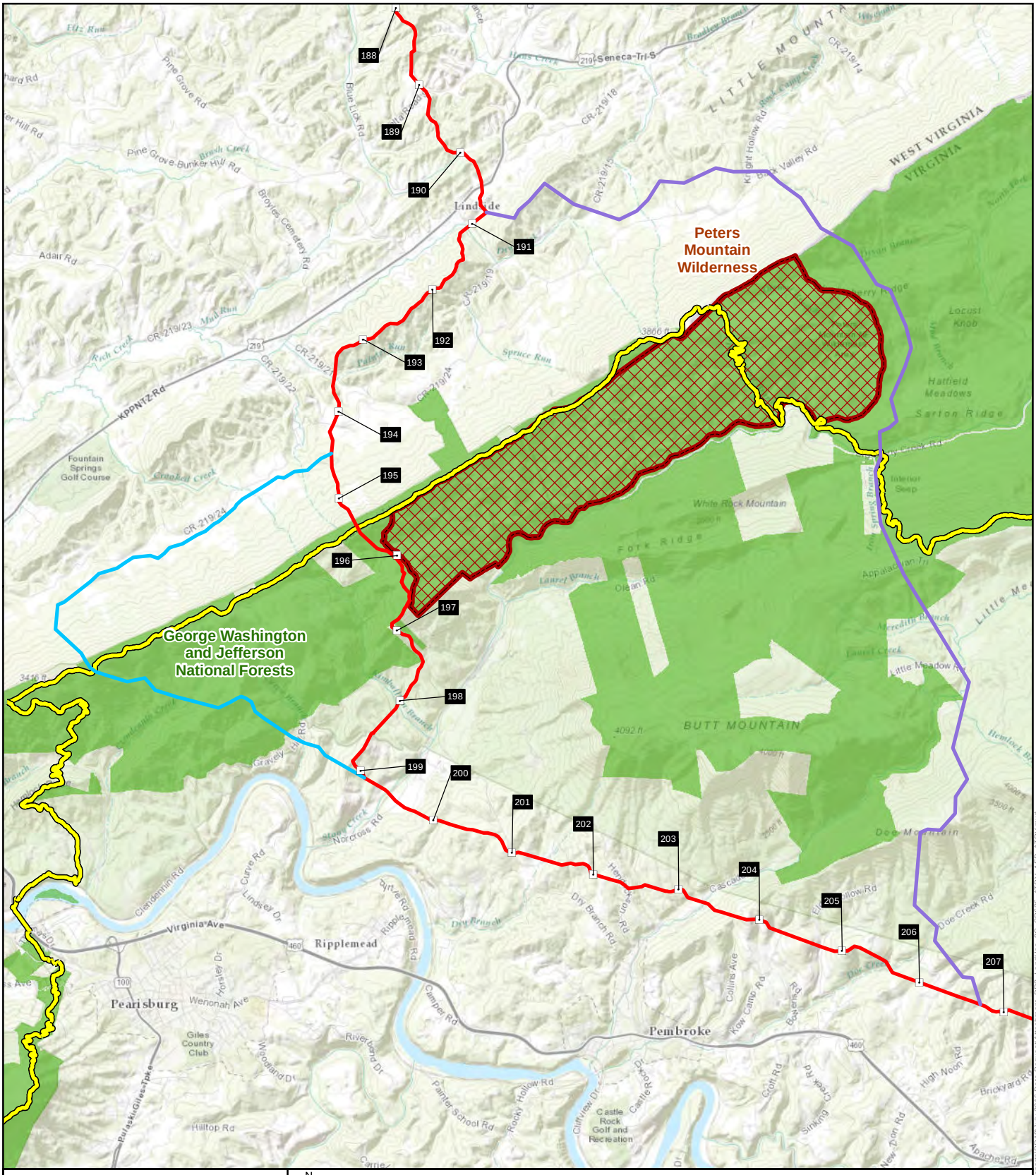
Attachment DR3 Land Use-8c-1



Mountain Valley Pipeline

NAD 1983 UTM 17N

1:95,000

0 0.5 1 2 Miles

Mountain Valley PIPELINE

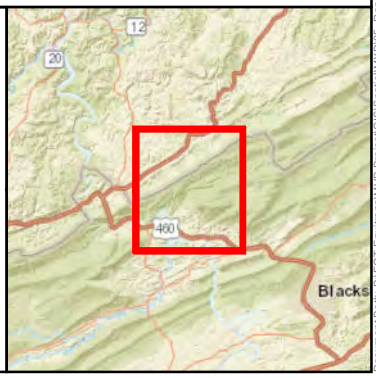
Attachment DR3 Land Use-8c-1
State Route 635-Appalachian Trail Route Variation, and AEP-Appalachian Trail Route Variation

July 2016

Data Sources: ESRI Streaming Data, 2016, USFS, 2016, NPS 2015.

Legend

- Milepost
- AEP - Appalachian Trail Route Variation
- State Route 635 - Appalachian Trail Route Variation
- Proposed Route
- Appalachian Trail
- Peters Mountain Wilderness
- US National Forest Service Boundary



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Attachment DR3 Land Use-8c-2

Attachment DR3 Land Use-8c-2

Comparison of State Route 635-Appalachian Trail Variation and AEP-Appalachian Trail Variation and the Proposed Route

Feature	SR635-AT Variation	Proposed Route	AEP-AT Variation	Proposed Route
General				
Total length (miles)	14.6	15.9	7.9	4.5
Length adjacent to existing ROW (miles)	0.0	6.0	1.8	0.0
Land disturbed within construction ROW (acres) a/	221.6	240.3	120.0	68.8
Land Use				
Populated areas b/ within ½ mile (number)	0	0	0	0
National Forest System lands crossed – Total (miles)	4.6	1.6	2.6	1.6
Monongahela National Forest (miles)	0	0	0	0
George Washington and Jefferson National Forests	4.6	1.6	2.6	1.6
National Forest Wilderness crossed (miles)	0	0	0	0
Appalachian National Scenic Trail crossings (number)	1	1	1	1
Blue Ridge Parkway crossings (number)	0	0	0	0
NRHP designated or eligible historic districts crossed (miles)	0.7	0.6	0	0
Landowner parcels crossed (number)	50 c/	72	26	18
Residences within 50 feet of construction work space (number)	3	7	2	4
Resources				
Forested land crossed (miles)	13.6	13.0	5.2	4.3
Forested land affected during construction (acres)	206.3	197.7	79.3	64.4
Forested land affected during operation (acres)	82.6	78.9	31.7	25.8
Interior forest crossed (miles)	3.9	3.2	2.6	3.0
Wetlands (NWI) crossed (feet) d/	97	0	0	0
Forested wetlands crossed (feet) d/	0	0	0	0
Forested wetlands affected by construction (acres)	0	0	0	0
Forested wetlands affected by operation (acres)	0	0	0	0
Perennial waterbody crossings (number) d/	18	22	17	3
Major (> 100 feet) waterbodies crossed (number)	0	0	0	0
Shallow bedrock crossed (miles)	6.7	5.3	1.5	0.4
Steep slope (>20 percent) crossed (miles)	8.6	9.1	3.9	2.9
Side slope crossed (miles)	7.9	9.6	5.9	2.7
Landslide potential crossed (miles) e/	14.6	15.9	7.9	4.5
Karst area crossed (miles)	7.8	8.2	2.9	3.3

a/ Assuming 125-foot-wide construction ROW.
b/ City or town limits as shown in Environmental Systems Research Institute (ESRI) data.
c/ Estimated based on length and number of parcels crossed by corresponding segment of proposed route.
d/ NWI and NHD data used in order to provide a common comparison between the two routes since field surveys were not conducted along the alternative. Public data on waters with drinking water designation not available.
e/ areas mapped as High Incidence and/or High Susceptibility from Radbruch-Hall et. al 1982.

ROW = right-of-way
NRHP = National Register of Historic Places
NHD = U.S. Geological Survey National Hydrography Dataset
NWI = U.S. Fish and Wildlife Service National Wetland Inventory

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Attachment DR3 Land Use-13

Attachment DR3 Land Use-13

Land Use Acreage Affected by Construction and Operation of the Proposed MVP Project - Cathodic Protection Beds

Facility County, State	Open Land a/		Agricultural b/		Forest/ Woodland c/		Industrial/ Commercial d/		Residential e/		Open Water f/		Total	
	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation
Wetzel, WV	0.04	0.00	0.00	0.00	1.16	0.60	0.00	0.00	0.00	0.00	0.00	0.00	**1.20**	**0.60**
Harrison, WV	0.52	0.19	0.92	0.42	0.97	0.58	0.00	0.00	0.00	0.00	0.00	0.00	**2.40**	**1.19**
Doddridge, WV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.00**
Lewis, WV	0.63	0.47	0.69	0.31	0.83	0.39	0.00	0.00	0.00	0.00	0.00	0.00	**2.16**	**1.17**
Braxton, WV	0.33	0.17	0.16	0.07	0.29	0.15	0.00	0.00	0.00	0.00	0.00	0.00	**0.78**	**0.39**
Webster, WV	0.57	0.36	0.13	0.04	0.71	0.35	0.00	0.00	0.00	0.00	0.00	0.00	**1.41**	**0.75**
Nicholas, WV	0.83	0.41	0.05	0.01	0.33	0.20	0.00	0.00	0.08	0.05	0.00	0.00	**1.29**	**0.67**
Greenbrier, WV	0.12	0.10	0.60	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.72**	**0.38**
Fayette, WV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.00**
Summers, WV	0.51	0.23	0.03	0.01	0.16	0.12	0.00	0.00	0.00	0.00	0.00	0.00	**0.71**	**0.36**
Monroe, WV	0.34	0.14	0.19	0.05	0.54	0.32	0.00	0.00	0.26	0.17	0.00	0.00	**1.33**	**0.68**
Giles, VA	0.01	0.01	0.69	0.38	0.24	0.16	0.27	0.13	0.32	0.17	0.00	0.00	**1.52**	**0.85**
Craig, VA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.00**
Montgomery, VA	0.30	0.13	0.43	0.20	0.00	0.00	0.00	0.00	0.60	0.33	0.00	0.00	**1.32**	**0.66**
Roanoke, VA	0.18	0.10	0.37	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.54**	**0.28**
Franklin, VA	0.53	0.30	1.49	0.74	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	**2.05**	**1.05**
Pittsylvania, VA	0.47	0.26	1.05	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**1.52**	**0.76**
Total	**5.36**	**2.87**	**6.19**	**2.92**	**5.87**	**3.16**	**0.27**	**0.13**	**1.25**	**0.73**	**0.00**	**0.00**	**18.95**	**9.79**

Attachment DR3 Land Use-13

Land Use Acreage Affected by Construction and Operation of the Proposed MVP Project - Cathodic Protection Beds

Facility County, State	Open Land a/		Agricultural b/		Forest/ Woodland c/		Industrial/ Commercial d/		Residential e/		Open Water f/		Total	
	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation

Source: USGS NLCD data (USGS 2011)

a/ Utility rights-of-way, open fields, vacant land, herbaceous and scrub uplands, non-forested lands, emergent wetland, scrub-shrub wetland, golf courses, and municipal land.

b/ Cultivated land.

c/ Upland and wetland forest and pine plantation. Forested land use is further broken out by forest type in discussion of vegetation in Resource Report 3.

d/ Manufacturing or industrial plants, paved areas, landfills, mines, quarries electric power or natural gas utility facilities; developed areas, roads, railroads and railroad yards, and commercial or retail facilities. As mapped by NLCD (USGS 2011).

e/ Existing developed residential areas and planned residential developments. This may include large developments, low, medium, and high density residential neighborhoods, urban/suburban residential, multi-family residences, ethnic villages, residentially zoned areas that have been developed or short segments of the route at road crossings with homes near the route alignment.

f/ Water crossings greater than 100 feet wide and streams visible on aerial photography but less than 100 feet in width.

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Attachment DR3 Alternatives-2

Attachment DR3 Alternatives-2

Comparison of Additional Environmental Features for Pipeline Alternatives and Variations that Cross the Jefferson National Forest

Feature	Route Alternative 1	Corresponding Proposed	Straight Line Alternative	Corresponding Proposed	All Highway Alternative	Corresponding Proposed	Northern Pipeline Alternative	Corresponding Proposed	ETNG Alternative	Corresponding Proposed	Variation 110	Corresponding Proposed	Variation 110R	Corresponding Proposed	Variation 110J	Corresponding Proposed	Peters Mountain East	Corresponding Proposed	Peters Mountain West	Corresponding Proposed	CGV Peters Mountain Variation	Corresponding Proposed	AEP-Newport Variation	Corresponding Proposed	AEP-Appalachian Trail Variation	Corresponding Proposed	SR635-Appalachian Trail Variation	Corresponding Proposed
Old growth forest crossed (feet) a/	0	1,700	1,860	1,700	0	1,700	0	1,700	1,590	0	4,550	1,700	4,240	1,700	4,260	1,700	0	0	0	0	0	0	0	1,700	0	0	490	0
Old growth forest affected by construction (acres) a/	0	4.8	5.3	4.8	0	4.8	0	4.8	4.6	0	13.0	4.8	12.1	4.8	12.2	4.8	0	0	0	0	0	0	0	4.8	0	0	1.4	0
Trails crossed (number) b/	15	2	16	2	9	2	5	2	5	0	3	0	3	0	3	0	1	0	0	0	0	0	1	0	0	0	6	0
Inventoried roadless areas crossed (feet) c/	0	4,990	16,150	4,990	0	4,990	0	4,990	0	0	5,900	4,990	40	4,990	210	4,990	3,850	60	0	60	0	60	0	4,930	0	60	8,420	60
Inventoried semi-primitive areas crossed (feet) d/	8,660	13,540	0	13,540	0	13,540	0	13,540	0	0	7,150	13,540	7,100	13,540	210	13,540	3,850	8,460	3,330	8,460	0	8,460	0	5,080	0	8,460	8,420	8,460

Notes:
a/ Existing old growth forest, within the Jefferson National Forest, as determined using available Jefferson National Forest GIS data. Available GIS data is similar to data available in Jefferson National Forest, Land and Resource Management Plan, Final Environmental Impact Statement, Old Growth Inventory (North Half: http://www.fs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb5304442.pdf.
b/ Generally non-motorized trails or multi-use paths as identified in West Virginia GIS trails data (http://www.wvgis.wvu.edu/data/dataset.php?ID=413) and Virginia GIS trails data (http://gismaps.vita.virginia.gov/VATrails/) supplemented with additional data supplied by the states where available. Excluding the Appalachian National Scenic Trail per the FERC request.
c/ As identified in the Jefferson National Forest Land and Resource Management Plan, Scenery Integrity Objective, Inventoried Roadless Areas.
d/ As identified in the Jefferson National Forest Land and Resource Management Plan, Scenery Integrity Objective, Inventoried Semi-Primitive Areas.

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Attachment DR3 Alternatives-4

Attachment DR3 Alternatives-4

Potential Impacts at Specific Tracts - Resolution, Avoidance, Minimization or Mitigation

Sub-part of Data Request	FERC ID	Parcel Number	Milepost	Resolution/Avoidance/Minimization/Mitigation
a	20151125-5166	WV-HA-3906 (AR HA-18), WV HA-003, WV HA-005	9.70, 9.91, 9.98	Potential impacts to resources on the property have been resolved.
b	20150316-5023	WV-WB-23.01, WV-WB-024, WV-WB-025, WV-WB-025.01, MVP-WB-128, MVP-ATWS-956	97.7,97.9, 98, 98.1, 98.2	Potential impacts to resources have been avoided, minimized, or both. Due to topography, the current alignment is the safest and most constructable route and therefore cannot be relocated per landowner's request. MVP does expect that the water source will be affected during the construction but will test water for quality and quantity. The easement has been reviewed and no areas of cutlural signicance were located. Environmental delineation has been completed and US Fish & Wildlife has been consulted on concerns. MVP compensates for Timber Damages and will not restrict Timber Operations on the property. MVP agrees within its easement agreement that we will not diminish the use and enjoyment of the landowner on their property. The current pipeline alignment is approximately a half mile from the homesite and over a half mile from the mentioned cemetery. Landowner is actively working with MVP in negotiations.
c	20150609-5017	WV-WB-023.01, 024, 025, 025.01	97.8	Potential impacts to resources have been avoided, minimized, or both. Due to topography, the current alignment is the safest and most constructable route and therefore cannot be relocated per landowner's request. MVP does expect that the water source will be affected during the construction but will test water for quality and quantity. The easement has been reviewed and no areas of cutlural signicance were located. Environmental delineation has been completed and US Fish & Wildlife has been consulted on concerns. MVP compensates for Timber Damages and will not restrict Timber Operations on the property. MVP agrees within its easement agreement that we will not diminish the use and enjoyment of the landowner on their property. The current pipeline alignment is approximately a half mile from the homesite and over a half mile from the mentioned cemetery. Landowner is actively working with MVP in negotiations.
d	20150610-5243	WV-NI-004, 005, 006, 007	111.5	MVP is evaluating a possible realignment.
e	20150615-5054	WV-NI-004, WV-NI-005, WV-NI-006, WV-NI-007	111.3	MVP is evaluating a possible realignment.
f	20150615-5185	WV-GR-022	141	MVP continues to evaluate the potential impacts (if any). Mountain Valley has consulted with mining engineers and Warrior Energy to verify that the current route is viable. Any adverse affects the pipeline may have on the coal reserves will be addressed with the coal lessee and property owner at that time. Suggested reroutes were not a viable option due to multiple railroad crossings, constructability impacts, stream crossings and possible wetland impacts.
g	20150120-0096	WV-SU-028	166.79	MVP is evaluating a possible realignment.
h	20150428-0056	WV-SU-029	167.5	MVP is evaluating a possible realignment.
i	20160223-5034	WV-SU-046	170.5	MVP has been prohibited from surveying the property. Once access is obtained, MVP will conduct all necessary environmental surveys on the property and further evaluate the landowner's comments. Based on desktop review, the current alignment is the most suitable for the terrain and crossing the river with the least residential impact. MVP will consult with and obtain approvals from all necessary agencies regarding the river crossing.
j	20160219-5147	VA-MO-030	221.1	MVP is evaluating a possible realignment to minimize or mitigate any potential impacts. The potential realignment will take into account the location of sinkholes on the property and avoid these karst features to the extent practicable. MVP will take all necessary precautions as outlined in the Karst Mitigation Plan to ensure that pipeline construction and operation in this area does not impact groundwater or sensitive karst features. Post-construction, the pipeline permanent easement will be regraded and revegetated to restore the land to be effectively open pasture or grassland that will not impact the property viewshed.
k	20150615-5061	VA-MO-054	224.8	MVP has already minimized or mitigated any potential impacts to resources on the property. MVP has studied the karst formation and will mitigate each area as needed and will have a specialist on site during construction. MVP has peformed delineations in the area and is currently working with the US Fish & Wildlife Service. MVP will perform tests on the landowner's well if requested. Cultural studies have been performed and have determined that no items of cultural significance were located. MVP is working with the State Historical Preservation Office with regard to cultural clearances. MVP has collocated a significant portion of its easement to parallel existing infrastructure but were unable to do so in areas where safety and constructibility were a concern. Areas that were not collocated have been placed in areas of minimal timber impact. In regards to scenic concerns, the pipeline will be located with an existing powerline right of way at the Route 785 crossing.
l	20150616-5100	VA-RO-5149, VA-RO-4118	237.3, 240.5	MVP has been prohibited from surveying the property. Once access is obtained, MVP will conduct all necessary environmental surveys on the property and further evaluate the landowner's comments.
m	20160406-5119	VA-RO-040, VA-RO-042, VA-RO-043, VA-RO-030 (AR-RO-281)	238.99-239.67	MVP has been prohibited from surveying the property. Once access is obtained, MVP will conduct all necessary environmental surveys on the property and further evaluate the landowner's comments.
n	20150615-5089	VA-FR-017.12	251.1	MVP has already minimized or mitigated any potential impacts to resources on the property. MVP cannot collocate due to lack of infrastructure in the area and the proposed alignment reduces residential impact.
o	20151127-5073	VA-FR-017.11; VA-FR-017.15	250.65-252.1	MVP has already minimized or mitigated any potential impacts to resources on the property. Existing or future agricultural use will not be reduced during the operation of the pipeline . Water will be tested when requested. MVP is working with USFWS in regards to disruption of native habitat. The lack of infrastructure in the area makes it difficult to collocate facilities.
p	20150616-5003	VA-FR-094	262.6	MVP has already minimized or mitigated any potential impacts to resources on the property. Environmental controls will be utilized to segregate the work area from the waterway. MVP will implement a mitigation plan to protect the water intake. MVP pipeline will adhere to all PHMSA regulations and inspection standards. The two springs mentioned in the orginal complaint are located 6 miles away from the Project.
q	20150129-5217	VA-PI-099	298	MVP has already minimized or mitigated any potential impacts to resources on the property. MVP cannot collocate with an existing powerline easement due to cultural findings, streams, wetlands and constructability concerns.
r	20151127-5076	VA-PI-100; 101; 102	298.3-298.8	MVP has already minimized or mitigated any potential impacts to resources on the property. MVP will coordinate agriculutural and timber practices during construction. Temporary fence can be constructed to allow for farming practices to continue during construction. MVP will replace any fence removed by its activity with like materials. Landowner will retain the right to build anywhere 25' from the centerline of the pipe. MVP cannot collocate with existing powerline easement due to cultural findings, streams, wetlands and constructability concerns.