Mountain Valley Pipeline Project

Docket No. CP21-57-000

Appendix I

Summary of Existing Geologic Conditions at the Proposed Trenchless Crossings (revised 3/5/21)

Table I-1
Summary of Geologic Conditions at Proposed Trenchless Crossings, by Resource Crossed (revised 3-5-21)

Resource Crossed	Crossing Number	Proposed Crossing Method	Milepost	Era	Period	Class	Type	Group	Formation	Coal	Other	MUSym	MUName	Karst
Stream S-A120 (Stout Run)	A-008	Conventional Bore	6.56	Paleozoic	Pennsylvanian	sedimentary	sandstone	Dunkard	Greene, Washington, Waynesburg	n/a		VaD	Vandalia silty clay loam, 15 to 25 percent slopes	n/a
Stream S-A119 (UNT to Stout Run)	A-008	Conventional Bore	6.56	Paleozoic	Pennsylvanian	sedimentary	sandstone	Dunkard	Greene, Washington, Waynesburg	n/a		VaD	Vandalia silty clay loam, 15 to 25 percent slopes	n/a
Wetland W-A34	A-008	Conventional Bore	6.56	Paleozoic	Pennsylvanian	sedimentary	sandstone	Dunkard	Greene, Washington, Waynesburg	n/a		VaD	Vandalia silty clay loam, 15 to 25 percent slopes	n/a
Wetland W-H103	B-012	Conventional Bore	58.53	Paleozoic	Pennsylvanian	sedimentary	sandstone	Monongahela	Uniontown, Pittsburg	n/a		Su	Sensabaugh silt loam, 0 to 3 percent slopes, occasionally flooded	n/a
Stream S-H160 (Indian Fork)	B-012	Conventional Bore	58.54	Paleozoic	Pennsylvanian	sedimentary	sandstone	Monongahela	Uniontown, Pittsburg	n/a	and Alluvium (stream bottom)	Su	Sensabaugh silt loam, 0 to 3 percent slopes, occasionally flooded	n/a
Stream S-CD16	B-015A	Conventional Bore	61.21	Paleozoic	Pennsylvanian	Sedimentary	shale	Conemaugh	Casselman, Glenshaw	n/a		VaE	Vandalia silt loam, 25 to 35 percent slopes	n/a
Wetland W-CD17	B-015A	Conventional Bore	61.22	Paleozoic	Pennsylvanian	Sedimentary	shale	Conemaugh	Casselman, Glenshaw	n/a		VaE	Vandalia silt loam, 25 to 35 percent slopes	n/a
Stream S-VV13	B-015A	Conventional Bore	61.24	Paleozoic	Pennsylvanian	Sedimentary	shale	Conemaugh	Casselman, Glenshaw	n/a		VaE	Vandalia silt loam, 25 to 35 percent slopes	n/a
Stream S-A100 (Left Fork Holly River)	C-013A	Conventional Bore	81.60	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	Kanawha	Eagle Coal appears to be further up the hill		W	Water	n/a
Stream S-F40 (Oldlick Creek)	C-018	Conventional Bore	82.28	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	Kanawha	Eagle Coal appears to be immediately up the hill		LdE	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	n/a
Stream S-E68 (Elk River)	C-022	Guided Conventional Bore	87.33	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	New River	Sewell Coal seam appears to be in vicinity		W / Ch	Water / Chavies fine sandy loam, moist, 0 to 3 percent slopes, rarely flooded	n/a
Stream S-H111 (UNT to Elk River)	C-024	Conventional Bore	87.32	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	New River	Sewell Coal seam appears to be in vicinity		LdE	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	n/a
Stream S-H114 (UNT to Elk River)	C-024	Conventional Bore	87.32	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	New River	Sewell Coal seam appears to be in vicinity		LdE	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	n/a
Stream S-H112 (UNT to Elk River)	C-024	Conventional Bore	87.32	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	New River	Sewell Coal seam appears to be in vicinity		LdE	Laidig channery silt loam, 15 to 35 percent slopes, extremely stony	n/a
Stream S-H110 (UNT to Houston Run)	C-028	Conventional Bore	89.56	Paleozoic	Pensylvanian	Sedimentary	Shale	Conemaugh	Casselman, Glenshaw	n/a		GdE	Gilpin-Dekalb complex, 15 to 35 percent slopes, extremely stony	n/a
Wetland W-H60	C-035	Conventional Bore	95.45	Paleozoic	Pensylvanian	Sedimentary	Sandstone	n/a	Allegheny	n/a		GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	n/a
Wetland W-H61	C-035	Conventional Bore	95.47	Paleozoic	Pensylvanian	Sedimentary	Sandstone	n/a	Allegheny	n/a		GcC	Gilpin silt loam, 3 to 15 percent slopes, very stony	n/a
Stream S-B32 (UNT to Meadow Fork)	D-004	Conventional Bore	106.35	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	Kanawha	n/a		At	Atkins loam, moist, 0 to 3 percent slopes, frequently flooded	n/a
Wetland W-B30	D-004	Conventional Bore	106.40	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	Kanawha	n/a		At	Atkins loam, moist, 0 to 3 percent slopes, frequently flooded	n/a
Stream S-E46 (Strouds Creek)	D-010	Conventional Bore	109.94	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	Kanawha	n/a	and stream bed alluvium	Pp	Pope-Potomac complex, very cobbly	n/a
Wetland W-F12	D-011	Conventional Bore	111.00	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	Kanawha	n/a		CtB	Cotaco silt loam, 3 to 8 percent slopes	n/a
Wetland W-F13	D-011	Conventional Bore	111.00	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	Kanawha	n/a		CtB	Cotaco silt loam, 3 to 8 percent slopes	n/a
Wetland W-F15	D-011	Conventional Bore	111.00	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	Kanawha	n/a		CtB	Cotaco silt loam, 3 to 8 percent slopes	n/a
Stream S-F20 (Barn Run)	D-012	Conventional Bore	111.09	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	Kanawha	n/a		Ed	Elkins silt loam, drained	n/a
Wetland W-F11	D-012	Conventional Bore	111.09	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	Kanawha	n/a		Ed	Elkins silt loam, drained	n/a
Stream S-B28 (Cherry Run)	D-019	Conventional Bore	113.11	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	Kanawha	n/a		Ed	Elkins silt loam, drained	n/a
Wetland W-B27	D-019	Conventional Bore	113.11	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	Kanawha	n/a		Ed	Elkins silt loam, drained	n/a
Wetland W-FF6-PEM	D-020	Conventional Bore	113.39	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	Kanawha	n/a		ClE	Clifftop channery silt loam, 25 to 35 percent slopes	n/a
Wetland W-FF6-PSS	D-020	Conventional Bore	113.39	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	Kanawha	n/a		ClE	Clifftop channery silt loam, 25 to 35 percent slopes	n/a
Stream S-J32 (Big Beaver Creek)	D-022	Conventional Bore	114.17	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	Kanawha	n/a	and stream bed alluvium	BvC	Buchanan gravelly sandy loam, moist, 8 to 15 percent slopes, extremely stony	n/a
Wetland W-A14	D-028	Conventional Bore	114.95	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	Kanawha	Gilbert Coal seam appears to be in vicinity		DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	n/a
Stream S-A72 (UNT to Big Beaver Creek)	D-028	Conventional Bore	114.95	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	Kanawha	Gilbert Coal seam appears to be in vicinity		DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	n/a
Stream S-A71 (UNT to Big Beaver Creek)	D-028	Conventional Bore	114.95	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	Kanawha	Gilbert Coal seam appears to be in vicinity		DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	n/a
Stream S-A71-Braid (UNT to Big Beaver Creek)	D-028	Conventional Bore	114.95	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	Kanawha	Gilbert Coal seam appears to be in vicinity		DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	n/a
Stream S-N15 (UNT to Granny Run)	D-034	Conventional Bore	116.69	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	Kanawha	Gilbert coal seam appears further downhill		DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	n/a
Stream S-N14 (Granny Run)	D-035	Conventional Bore	117.02	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	Kanawha	Gilbert coal seam appears further downhill		BvE	Buchanan gravelly sandy loam, moist, 15 to 35 percent slopes, extremely stony	n/a
Stream S-I43 (UNT to Big Run)	D-036	Conventional Bore	117.10	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	Kanawha	Gilbert coal seam appears further downhill		CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	n/a
Wetland W-I7	D-036	Conventional Bore	117.10	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	Kanawha	Gilbert coal seam appears further downhill		CnE	Clifftop channery silt loam, 15 to 35 percent slopes, very stony	n/a
Stream S-I44 (Big Run)	D-037	Conventional Bore	117.28	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	Kanawha	Gilbert coal seam appears further downhill		BvC	Buchanan gravelly sandy loam, moist, 8 to 15 percent slopes, extremely stony	n/a
Stream S-I45 (UNT to Big Run)	D-038	Conventional Bore	117.40	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	Kanawha	n/a		BvC	Buchanan gravelly sandy loam, moist, 8 to 15 percent slopes, extremely stony	n/a
Stream S-I48 (UNT to Gauley River)	D-040	Conventional Bore	118.24	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	Kanawha	n/a		CoF	Clifftop-Buchanan complex, 35 to 70 percent slopes, extremely stony	n/a
Stream S-EE1 (UNT to Skelt Run)	D-048	Conventional Bore	122.55	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	Kanawha	n/a		DeE	Dekalb channery sandy loam, 15 to 35 percent slopes, extremely stony	n/a
Stream S-V3 (UNT to Hominy Creek)	E-005	Conventional Bore	132.36	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	New River	n/a		Pr	Pope-Craigsville complex	n/a
Wetland W-M18	E-009	Conventional Bore	136.72	Paleozoic	Pensylvanian	sedimentary	sandstone	Pottsville	New River	n/a		GpE	Gilpin channery silt loam, moist, 15 to 35 percent slopes, very stony	n/a
Stream S-J20	E-012	Conventional Bore	140.44	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	New River	n/a		GpC	Gilpin channery silt loam, moist, 3 to 15 percent slopes, very stony	n/a
Stream S-I27 (UNT to Meadow Creek)	E-015	Conventional Bore	141.17	Paleozoic	Pensylvanian	Sedimentary	Sandstone	Pottsville	New River	n/a		GpC	Gilpin channery silt loam, moist, 3 to 15 percent slopes, very stony	n/a
Stream S-N3 (UNT to Hungard Creek)	F-014	Conventional Bore	169.76	Paleozoic	Mississippian	sedimentary	shale/sandstone	Mauch Chunk	Bluefield	n/a	and Alluvium (stream flood plain)	MgB	Monongahela silt loam, warm, 3 to 8 percent slopes	n/a
Stream S-N2 (UNT to Hungard Creek)	F-015	Conventional Bore	169.78	Paleozoic	Mississippian	sedimentary	shale/sandstone	Mauch Chunk	Bluefield	n/a	and Alluvium (stream bottom)	Ud	Udifluvents and Psamments, frequently flooded	n/a
Stream S-CD23 (UNT to Hungard Creek)	F-016	Conventional Bore	169.81	Paleozoic	Mississippian	sedimentary	shale/sandstone	Mauch Chunk	Bluefield	n/a	and Alluvium (stream flood plain)	Ud	Udifluvents and Psamments, frequently flooded	n/a
Stream S-N4 (UNT to Hungard Creek)	F-017	Conventional Bore	169.84	Paleozoic	Mississippian	sedimentary	shale/sandstone	Mauch Chunk	Bluefield	n/a	and Alluvium (stream flood plain)	Ud	Udifluvents and Psamments, frequently flooded	n/a
Wetland W-EF40	F-017	Conventional Bore	169.90	Paleozoic	Mississippian	sedimentary	shale/sandstone	Mauch Chunk	Bluefield	n/a	and Alluvium (stream flood plain)	Ud	Udifluvents and Psamments, frequently flooded	n/a
Stream S-18 (Greenbrier River)	F-021	Direct Pipe	171.44	Paleozoic	Mississippian	sedimentary	shale/sandstone	Mauch Chunk	Bluefield	present		W / UD / Cm	Water / Udifluvents and Psamments, frequently flooded / Chagrin loam	Yes
Stream S-I9 (UNT to Greenbrier River)	F-022	Conventional Bore	171.77	Paleozoic	Mississippian	sedimentary	shale/sandstone	Mauch Chunk	Bluefield	n/a	and Alluvium (stream flood plain)	MgB	Monongahela silt loam, warm, 3 to 8 percent slopes	n/a
Stream S-J4 (UNT to Keller Creek)	F-027	Conventional Bore	173.14	Paleozoic	Mississippian	sedimentary	shale/sandstone	Mauch Chunk	Bluefield	n/a		GbF	Gilpin-Berks channery silt loams, warm, 35 to 70 percent slopes	Yes
Stream S-D25 (UNT to Hans Creek)	F-032	Conventional Bore	184.08	Paleozoic	Mississippian	sedimentary	shale/sandstone	Mauch Chunk	Bluefield	n/a		Me	Melvin silt loam	n/a
Stream S-G43 (UNT to Hans Creek)	F-039	Conventional Bore	190.03	Paleozoic	Mississippian	sedimentary	shale/sandstone	Mauch Chunk	Bluefield	n/a		Uf	Udifluvents-Fluvaquents complex	n/a
Stream S-G35 (UNT to Little Stony Creek)	G-009	Conventional Bore	203.59	Paleozoic	Ordovician	sedimentary	siltstone, shale, sandstone	n/a	Martinsburg	n/a	and Alluvium (stream bottom)	30D	Nolichucky very stony sandy loam, 15 to 30 percent slopes	n/a
Stream S-S54 (UNT to Little Stony Creek)	G-010	Conventional Bore	203.71	Paleozoic	Ordovician	sedimentary	siltstone, shale, sandstone	n/a	Martinsburg	n/a	and Colluvium	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	n/a
Stream S-Z9 (UNT to Little Stony Creek)	G-011	Conventional Bore	203.88	Paleozoic	Ordovician	sedimentary	siltstone, shale, sandstone	n/a	Martinsburg	n/a	and Colluvium	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	n/a
Stream S-Z7 (UNT to Little Stony Creek)	G-012	Conventional Bore	204.00	Paleozoic	Ordovician	sedimentary	siltstone, shale, sandstone	n/a	Martinsburg	n/a	and Colluvium	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	n/a
Stream S-Z7-Braid-1 (UNT to Little Stony Creek)	G-012	Conventional Bore	204.01	Paleozoic	Ordovician	sedimentary	siltstone, shale, sandstone	n/a	Martinsburg	n/a	and Colluvium	30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	n/a
Stream S-Z10 (UNT to Little Stony Creek)	G-013	Guided Conventional Bore	204.34	Paleozoic	Ordovician	sedimentary	siltstone, shale, sandstone	n/a	Martinsburg	n/a	and Alluvium of streambed	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	n/a
Wetland W-Z3	G-013	Guided Conventional Bore	204.36	Paleozoic	Ordovician	sedimentary	siltstone, shale, sandstone	n/a	Martinsburg	n/a	and Alluvium of streambed	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	n/a
Stream S-Z11 (UNT to Little Stony Creek)	G-013	Guided Conventional Bore	204.36	Paleozoic	Ordovician	sedimentary	siltstone, shale, sandstone	n/a	Martinsburg	n/a	and Alluvium of streambed	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	n/a
Stream S-Z12EPH (UNT to Little Stony Creek)	G-013	Guided Conventional Bore	204.38	Paleozoic	Ordovician	sedimentary	siltstone, shale, sandstone	n/a	Martinsburg	n/a	and Alluvium of streambed	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	n/a
Stream S-Z13 (Little Stony Creek)	G-013	Guided Conventional Bore	204.39	Paleozoic	Ordovician	sedimentary	siltstone, shale, sandstone	n/a	Martinsburg	n/a	and Alluvium of streambed	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	n/a
Stream S-Z14 (UNT to Little Stony Creek)	G-014	Conventional Bore	204.35	Paleozoic	Ordovician	sedimentary	siltstone, shale, sandstone	n/a	Martinsburg	n/a		11F	Faywood silt loam, 30 to 65 percent slopes	n/a
Stream S-Y3 (UNT to Doe Creek)	G-017	Conventional Bore	206.59	Paleozoic	Lower Ordovician, Upper Cambrian	sedimentary	dolomite	Knox	Undivided	n/a	and Colluvium	30C	Nolichucky very stony sandy loam, 7 to 15 percent slopes	Yes
Stream S-E25-Downstream (UNT to Sinking Creek)	G-019B	Conventional Bore	207.90	Paleozoic	Ordovician	sedimentary	siltstone, shale, sandstone	n/a	Martinsburg	n/a		30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	n/a
Stream S-E25-Upstream (UNT to Sinking Creek)	G-019B	Conventional Bore	207.90	Paleozoic	Ordovician	sedimentary	siltstone, shale, sandstone	n/a	Martinsburg	n/a		30F	Nolichucky very stony sandy loam, 30 to 65 percent slopes	n/a
Stream S-NN17	G-023	Conventional Bore	211.17	Paleozoic	Ordovician	sedimentary	limestone	Middle-Ordovician Limestones	Undivided	n/a	and Alluvium of streambed	7	Chagrin silt loam	Yes
Stream S-RR2 (Greenbriar Branch)	G-024	Conventional Bore	213.00	Paleozoic	Cambrian	sedimentary	dolomite	n/a	Honaker	n/a	and Alluvium (stream bottom)	7	Chagrin silt loam	Yes
Stream S-YZ6 (UNT to Greenbriar Branch)	G-024	Conventional Bore	213.00	Paleozoic	Cambrian	sedimentary	dolomite	n/a	Honaker	n/a	and Alluvium (stream bottom)	7	Chagrin silt loam	Yes
Wetland W-RR1b	G-024	Conventional Bore	213.00	Paleozoic	Cambrian	sedimentary	dolomite	n/a	Honaker	n/a	and Alluvium (stream bottom)	7	Chagrin silt loam	Yes
Stream S-MM31 (UNT to Flatwoods Branch)	H-009	Conventional Bore	229.48	Paleozoic	Devonian	sedimentary	shale	Undivided	Millboro/Needmore	n/a		11B	Duffield-Ernest complex, 2 to 7 percent slopes	n/a
Stream S-C21 (Bradshaw Creek)	H-015	Conventional Bore	230.55	Paleozoic	Devonian	sedementary	shale/siltstone	Undivided	Bralier	n/a	and stream bed alluvium	10	Craigsville soils	n/a
Stream S-OO16 (UNT to Roanoke River)	H-017	Conventional Bore	234.15	Paleozoic	Cambrian	sedimentary	dolomite/limestone	Undivided	Elbrook	n/a		29	Udorthents and Urban land	Yes
Stream S-AB16 (UNT to Roanoke River)	H-020	Conventional Bore	235.58	Paleozoic	Cambrian	sedimentary	shale	Undivided	Rome	n/a		29	Udorthents and Urban land	Yes
Wetland W-AB7	H-020	Conventional Bore	235.60	Paleozoic	Cambrian	sedimentary	shale	Undivided	Rome	n/a		29	Udorthents and Urban land	Yes
Stream S-I1 (UNT to Roanoke River)	H-020	Conventional Bore	235.61	Paleozoic	Cambrian	sedimentary	shale	Undivided	Rome	n/a		29	Udorthents and Urban land	Yes
Stream S-CD12b (UNT to South Fork Roanoke River)	H-021	Conventional Bore	235.90	Paleozoic	Cambrian	sedimentary	shale	Undivided	Rome	n/a		29	Udorthents and Urban land	n/a
Wetland W-KL58	H-022	Conventional Bore	235.90	Paleozoic	Cambrian	sedimentary	shale	Undivided	Rome	n/a		30	Udorthents and Urban land	n/a
Stream S-IJ82 (UNT to Bottom Creek)	H-030	Conventional Bore	241.93	Precambrian	Mesoproterozoic	metamorphic	granulite	Blue Ridge Basement Complex	Layered pyroxene granulite	n/a		9B	Cotaco loam, 2 to 7 percent slopes	n/a
Wetland W-IJ94-PEM	H-031	Conventional Bore	242.06	Precambrian	Mesoproterozoic	metamorphic	granulite	Blue Ridge Basement Complex	Layered pyroxene granulite	n/a		9B	Cotaco loam, 2 to 7 percent slopes	n/a
Wetland W-IJ95-PSS	H-031	Conventional Bore	242.06	Precambrian	Mesoproterozoic	metamorphic	granulite	Blue Ridge Basement Complex	Layered pyroxene granulite	n/a		42A	Sindion loam, 0 to 2 percent slopes, occasionally flooded	n/a
Stream S-IJ83 (UNT to Bottom Creek)	H-031	Conventional Bore	242.06	Precambrian	Mesoproterozoic	metamorphic	granulite	Blue Ridge Basement Complex	Layered pyroxene granulite	n/a		42A	Sindion loam, 0 to 2 percent slopes, occasionally flooded	n/a
Stream S-IJ88 (Bottom Creek)	H-031	Conventional Bore	242.06	Precambrian	Mesoproterozoic	metamorphic	granulite	Blue Ridge Basement Complex	Layered pyroxene granulite	n/a		42A	Sindion loam, 0 to 2 percent slopes, occasionally flooded	n/a
Stream S-IJ84 (UNT to Bottom Creek)	H-031	Conventional Bore	242.06	Precambrian	Mesoproterozoic	metamorphic	granulite	Blue Ridge Basement Complex	Layered pyroxene granulite	n/a		42A	Sindion loam, 0 to 2 percent slopes, occasionally flooded	n/a
Wetland W-IJ102	H-031	Conventional Bore	242.06	Precambrian	Mesoproterozoic	metamorphic	granulite	Blue Ridge Basement Complex	Layered pyroxene granulite	n/a		42A	Sindion loam, 0 to 2 percent slopes, occasionally flooded	n/a
Stream S-IJ89 (UNT to Bottom Creek)	H-032	Conventional Bore	242.28	Precambrian	Mesoproterozoic	metamorphic	granulite	Blue Ridge Basement Complex	Layered pyroxene granulite	n/a		16E	Edneyville fine sandy loam, 25 to 55 percent slopes	n/a
Stream S-IJ90 (UNT to Bottom Creek)	H-032	Conventional Bore	242.28	Precambrian	Mesoproterozoic	metamorphic	granulite	Blue Ridge Basement Complex	Layered pyroxene granulite	n/a		16E	Edneyville fine sandy loam, 25 to 55 percent slopes	n/a
Stream S-ST9b (UNT to Mill Creek)	H-040	Conventional Bore	243.55	Precambrian	Mesoproterozoic	metamorphic	granulite	Blue Ridge Basement Complex	Layered pyroxene granulite	n/a		1A	Alderflats silt loam, 0 to 4 percent slopes	n/a
Wetland W-EF46	H-040	Conventional Bore	243.60	Precambrian	Mesoproterozoic	metamorphic	granulite	Blue Ridge Basement Complex	Layered pyroxene granulite	n/a		1A	Alderflats silt loam, 0 to 4 percent slopes	n/a
Stream S-KL55 (UNT to Mill Creek)	H-042	Conventional Bore	243.83	Precambrian	Mesoproterozoic	metamorphic	granitic gneiss	Blue Ridge Basement Complex	Charnockite	n/a		16D	Edneyville fine sandy loam, 15 to 25 percent slopes	n/a
Wetland W-KL49-PEM	H-042	Conventional Bore	243.90	Precambrian	Mesoproterozoic	metamorphic	granitic gneiss	Blue Ridge Basement Complex	Charnockite	n/a		16C	Edneyville fine sandy loam, 7 to 15 percent slopes	n/a
Wetland W-KL51-PEM	H-042	Conventional Bore	243.90	Precambrian	Mesoproterozoic	metamorphic	granitic gneiss	Blue Ridge Basement Complex	Charnockite	n/a		16D	Edneyville fine sandy loam, 15 to 25 percent slopes	n/a
Wetland W-KL51-PSS	H-042	Conventional Bore	243.90	Precambrian	Mesoproterozoic	metamorphic	granitic gneiss	Blue Ridge Basement Complex	Charnockite	n/a		16D	Edneyville fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-IJ12 (UNT to Mill Creek)	H-043	Conventional Bore	243.97	Precambrian	Mesoproterozoic	metamorphic	granitic gneiss	Blue Ridge Basement Complex	Charnockite	n/a		16C	Edneyville fine sandy loam, 7 to 15 percent slopes	n/a
Wetland W-MN7-PEM	H-043	Conventional Bore	244.10	Precambrian	Mesoproterozoic	metamorphic	granitic gneiss	Blue Ridge Basement Complex	Charnockite	n/a		16C	Edneyville fine sandy loam, 7 to 15 percent slopes	n/a
Stream S-EF44 (UNT to Bottom Creek)	H-044	Conventional Bore	244.50	Precambrian	Mesoproterozoic	metamorphic	granitic gneiss	Blue Ridge Basement Complex	Charnockite	n/a		16E	Edneyville fine sandy loam, 25 to 55 percent slopes	n/a
Wetland W-EF44	H-044	Conventional Bore	244.60	Precambrian	Mesoproterozoic	metamorphic	granitic gneiss	Blue Ridge Basement Complex	Charnockite	n/a		16E	Edneyville fine sandy loam, 25 to 55 percent slopes	n/a

Table I-1

Summary of Geologic Conditions at Proposed Trenchless Crossings, by Resource Crossed (revised 3-5-21)

Resource Crossed	Crossing Number	Proposed Crossing Method	Milepost	Era	Period	Class	Type	Group	Formation	Coal	Other	MUSym	MUName	Karst
Wetland W-IJ36	H-045	Conventional Bore	244.70	Precambrian	Mesoproterozoic	metamorphic	granitic gneiss	Blue Ridge Basement Complex	Charockite	n/a		1A	Alderflats silt loam, 0 to 4 percent slopes	n/a
Stream S-IJ43 (Mill Creek)	H-045	Conventional Bore	244.70	Precambrian	Mesoproterozoic	metamorphic	granitic gneiss	Blue Ridge Basement Complex	Charockite	n/a		1A	Alderflats silt loam, 0 to 4 percent slopes	n/a
Stream S-Y7 (UNT to Mill Creek)	H-046	Conventional Bore	245.05	Precambrian	Mesoproterozoic	metamorphic	granitic gneiss	Blue Ridge Basement Complex	Charockite	n/a		16D	Edneyville fine sandy loam, 15 to 25 percent slopes	n/a
Wetland W-Y2	H-046	Conventional Bore	245.05	Precambrian	Mesoproterozoic	metamorphic	granitic gneiss	Blue Ridge Basement Complex	Charockite	n/a		16D	Edneyville fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-Y8 (UNT to Mill Creek)	H-046	Conventional Bore	245.05	Precambrian	Mesoproterozoic	metamorphic	granitic gneiss	Blue Ridge Basement Complex	Charockite	n/a		16D	Edneyville fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-B22 (UNT to Mill Creek)	H-047A	Conventional Bore	245.64	Precambrian	Mesoproterozoic	metamorphic	granitic gneiss	Blue Ridge Basement Complex	Charnockite	n/a		1A	Alderflats silt loam, 0 to 4 percent slopes	n/a
W-B25-PSS-2	H-048A	Conventional Bore	245.80	Precambrian	Mesoproterozoic	metamorphic	granitic gneiss	Blue Ridge Basement Complex	Charnockite	n/a		1A	Alderflats silt loam, 0 to 4 percent slopes	n/a
Stream S-B25	H-048A	Conventional Bore	245.71	Precambrian	Mesoproterozoic	metamorphic	granite	Blue Ridge Basement Complex	Leucocharnockite	n/a		1A	Alderflats silt loam, 0 to 4 percent slopes	n/a
Stream S-D11 (UNT to North Fork Blackwater River)	H-054	Conventional Bore	248.81	Precambrian	Mesoproterozoic	metamorphic	granulite/gneiss	Blue Ridge Basement Complex	Layered Biotite Granulite and Gneiss	n/a		39C	Wintergreen loam, 8 to 15 percent slopes	n/a
Stream S-RR08 (UNT to North Fork Blackwater River)	H-060	Conventional Bore	252.35	Precambrian	Mesoproterozoic	metamorphic	granitic gneiss	Blue Ridge Basement Complex	Charnockite	n/a		7D	Clifford fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-GH3	I-001A	Conventional Bore	258.23	Precambrian	Mesoproterozoic	metamorphic	felsic gneiss	Blue Ridge Basement Complex	Layered Quartzofeldspathic Augen Gneiss and Flaser Gneiss	n/a		11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	n/a
Stream S-RR15 (UNT to Teels Creek)	I-009	Conventional Bore	260.56	Precambrian	Mesoproterozoic	metamorphic	augen and flaser gneiss	Lynchburg	Lovingston massif	n/a		7D	Clifford fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-C17 (Teels Creek)	I-014	Conventional Bore	262.09	Precambrian	Neoproterozoic	metamorphic	biotite gneiss	Lynchburg	Ashe	n/a	and Alluvium (stream bottom)	11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	n/a
Wetland W-CD6	I-016	Conventional Bore	262.50	Precambrian	Neoproterozoic	metamorphic	biotite gneiss	Lynchburg	Ashe	n/a		11A	Comus-Maggodee-Elsinboro complex, 0 to 4 percent slopes	n/a
Stream S-KL35 (UNT to Blackwater River)	I-020	Conventional Bore	264.53	Precambrian	Neoproterozoic	metamorphic	biotite gneiss	Lynchburg	Ashe	n/a		7D	Clifford fine sandy loam, 15 to 25 percent slopes	n/a
Wetland W-EF48	I-020	Conventional Bore	264.80	Precambrian	Neoproterozoic	metamorphic	biotite gneiss	Lynchburg	Ashe	n/a		7D	Clifford fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-KL36 (UNT to Blackwater River)	I-021	Conventional Bore	264.66	Precambrian	Neoproterozoic	metamorphic	biotite gneiss	Lynchburg	Ashe	n/a		7D	Clifford fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-C20 (UNT to Maggodee Creek)	I-034	Conventional Bore	268.90	Precambrian	Neoproterozoic	metamorphic	biotite gneiss	Lynchburg	Ashe	n/a		7C	Clifford fine sandy loam, 8 to 15 percent slopes	n/a
Stream S-F10 (UNT to Blackwater River)	I-038	Conventional Bore	270.19	Precambrian	Neoproterozoic	metamorphic	biotite gneiss	Lynchburg	Ashe	n/a		7D	Clifford fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-F9a (UNT to Blackwater River)	I-039	Conventional Bore	270.50	Precambrian	Neoproterozoic	metamorphic	biotite gneiss	Lynchburg	Ashe	n/a		7D	Clifford fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-GG4 (UNT to Blackwater River)	I-040	Conventional Bore	270.65	Precambrian	Neoproterozoic	metamorphic	biotite gneiss	Lynchburg	Ashe	n/a		7C	Clifford fine sandy loam, 8 to 15 percent slopes	n/a
Stream S-A38 (UNT to Foul Ground Creek)	I-042	Conventional Bore	271.39	Precambrian	Neoproterozoic	metamorphic	biotite gneiss	Lynchburg	Ashe	n/a		7D	Clifford fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-GH36 (UNT to Foul Ground Creek)	I-044A	Conventional Bore	272.65	Precambrian	Neoproterozoic	metamorphic	biotite gneiss	Lynchburg	Ashe	n/a		7D	Clifford fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-KL17 (UNT to Foul Ground Creek)	I-044A	Conventional Bore	272.66	Precambrian	Neoproterozoic	metamorphic	biotite gneiss	Lynchburg	Ashe	n/a		7D	Clifford fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-GH44 (UNT to Foul Ground Creek)	I-046	Conventional Bore	273.09	Precambrian	Neoproterozoic	metamorphic	biotite gneiss	Lynchburg	Ashe	n/a		7D	Clifford fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-GH38 (UNT to Foul Ground Creek)	I-046	Conventional Bore	273.09	Precambrian	Neoproterozoic	metamorphic	biotite gneiss	Lynchburg	Ashe	n/a		7D	Clifford fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-IJ47 (UNT to Foul Ground Creek)	I-046	Conventional Bore	273.09	Precambrian	Neoproterozoic	metamorphic	biotite gneiss	Lynchburg	Ashe	n/a		7D	Clifford fine sandy loam, 15 to 25 percent slopes	n/a
Wetland W-GH16	I-046	Conventional Bore	273.09	Precambrian	Neoproterozoic	metamorphic	biotite gneiss	Lynchburg	Ashe	n/a		7D	Clifford fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-G20 (Poplar Camp Creek)	I-048	Conventional Bore	274.37	Precambrian	Neoproterozoic	metamorphic	actinolite schist (metabasalt)	Lynchburg	Alligator Back	n/a		7D	Clifford fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-H38 (UNT to Jacks Creek)	I-053	Conventional Bore	277.13	Precambrian	Neoproterozoic	metamorphic	actinolite schist (metabasalt)	Lynchburg	Alligator Back	n/a		7D	Clifford fine sandy loam, 15 to 25 percent slopes	n/a
Wetland W-H17	I-053	Conventional Bore	277.40	Precambrian	Neoproterozoic	metamorphic	actinolite schist (metabasalt)	Lynchburg	Alligator Back	n/a		7D	Clifford fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-H36 (UNT to Jacks Creek)	I-055	Conventional Bore	277.58	Precambrian	Neoproterozoic	metamorphic	actinolite schist (metabasalt)	Lynchburg	Alligator Back	n/a		8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	n/a
Wetland W-H16	I-055	Conventional Bore	277.90	Precambrian	Neoproterozoic	metamorphic	actinolite schist (metabasalt)	Lynchburg	Alligator Back	n/a		8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	n/a
Stream S-H34 (UNT to Jacks Creek)	I-056	Conventional Bore	277.75	Precambrian	Neoproterozoic	metamorphic	actinolite schist (metabasalt)	Lynchburg	Alligator Back	n/a		8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	n/a
Stream S-H32 (UNT to Jacks Creek)	I-057	Conventional Bore	277.96	Precambrian	Neoproterozoic	metamorphic	actinolite schist (metabasalt)	Lynchburg	Alligator Back	n/a		8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	n/a
Stream S-A20 (UNT to Jacks Creek)	I-060B	Conventional Bore	278.50	Precambrian	Neoproterozoic	metamorphic	actinolite schist (metabasalt)	Lynchburg	Alligator Back	n/a		8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	n/a
Stream S-A22 (UNT to Jacks Creek)	I-061A	Conventional Bore	278.93	Precambrian	Neoproterozoic	metamorphic	actinolite schist and quartz epidote granofels	Lynchburg	Alligator Back	n/a		7D	Clifford fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-MM44 (UNT to Little Jacks Creek)	I-062	Conventional Bore	279.20	Precambrian	Neoproterozoic	metamorphic	actinolite schist and quartz epidote granofels	Lynchburg	Alligator Back	n/a		7D	Clifford fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-MM48 (UNT to Little Jacks Creek)	I-063	Conventional Bore	279.51	Precambrian	Neoproterozoic	metamorphic	actinolite schist (metabasalt)	Lynchburg	Alligator Back	n/a		28D	Minnieville-Orenda-Redbrush complex, 15 to 25 percent slopes	n/a
Stream S-H25 (Little Jacks Creek)	I-064	Conventional Bore	279.90	Precambrian	Neoproterozoic	metamorphic	actinolite schist (metabasalt)	Lynchburg	Alligator Back	n/a		28D	Minnieville-Orenda-Redbrush complex, 15 to 25 percent slopes	n/a
Wetland W-H9	I-064	Conventional Bore	279.90	Precambrian	Neoproterozoic	metamorphic	actinolite schist (metabasalt)	Lynchburg	Alligator Back	n/a		28D	Minnieville-Orenda-Redbrush complex, 15 to 25 percent slopes	n/a
Stream S-H24 (UNT to Little Jacks Creek)	I-065	Conventional Bore	279.73	Precambrian	Neoproterozoic	metamorphic	actinolite schist (metabasalt)	Lynchburg	Alligator Back	n/a		7D	Clifford fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-H23 (UNT to Turkey Creek)	I-066	Conventional Bore	279.94	Precambrian	Neoproterozoic	metamorphic	actinolite schist (metabasalt)	Lynchburg	Alligator Back	n/a		7D	Clifford fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-A13 (Turkey Creek)	I-067	Conventional Bore	280.29	Precambrian	Neoproterozoic	metamorphic	actinolite schist (metabasalt)	Lynchburg	Alligator Back	n/a		8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	n/a
Stream S-A7 (UNT to Dinner Creek)	I-069A	Conventional Bore	280.88	Precambrian	Neoproterozoic	metamorphic	actinolite schist (metabasalt)	Lynchburg	Alligator Back	n/a		7D	Clifford fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-SS8 (Polecat Creek)	I-070	Conventional Bore	281.45	Precambrian	Neoproterozoic	metamorphic	actinolite schist (metabasalt)	Lynchburg	Alligator Back	n/a		8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	n/a
Stream S-DD3 (Owens Creek)	I-073	Conventional Bore	281.88	Precambrian	Neoproterozoic	metamorphic	actinolite schist (metabasalt)	Lynchburg	Alligator Back	n/a		8E	Clifford-Hickoryknob complex, 25 to 45 percent slopes	n/a
Stream S-G16 (Strawfield Creek)	I-074	Conventional Bore	282.04	Precambrian	Neoproterozoic	metamorphic	actinolite schist (metabasalt)	Lynchburg	Alligator Back	n/a		15E	Drapermill gravelly loam, 25 to 60 percent slopes	n/a
Stream S-G13 (Parrot Branch)	I-076	Conventional Bore	282.78	Precambrian	Neoproterozoic	metamorphic	actinolite schist (metabasalt)	Lynchburg	Alligator Back	n/a		26D	Littlejoe-Strawfield-Penhook complex, 15 to 25 percent slopes	n/a
Stream S-D3 (UNT to Jonnikin Creek)	I-078	Conventional Bore	284.13	Precambrian	Neoproterozoic	metamorphic	amphibolite	Smith River	Bassett	n/a		21D	Madison fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-D2 (Jonnikin Creek)	I-080	Conventional Bore	284.48	Precambrian	Neoproterozoic	metamorphic	biotite gneiss	Smith River	Bassett	n/a		8A	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	n/a
Wetland W-D3	I-080	Conventional Bore	284.80	Precambrian	Neoproterozoic	metamorphic	biotite gneiss	Smith River	Bassett	n/a		21D	Madison fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-A6 (UNT to Rocky Creek)	I-085	Conventional Bore	286.03	Precambrian	Neoproterozoic	metamorphic	amphibolite	Smith River	Bassett	n/a		11C3	Cullen clay loam, 7 to 15 percent slopes, severely eroded	n/a
Stream S-C7 (UNT to Rocky Creek)	I-086	Conventional Bore	286.83	Precambrian	Neoproterozoic	metamorphic	mica schist	Smith River	Fork Mountain	n/a		21E	Madison fine sandy loam, 25 to 45 percent slopes	n/a
Stream S-C3 (Harpen Creek)	I-087	Conventional Bore	289.58	Precambrian	Neoproterozoic	metamorphic	mica schist	Smith River	Fork Mountain	n/a		8a	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	n/a
Stream S-C4 (UNT Harpen Creek)	I-087	Conventional Bore	289.58	Precambrian	Neoproterozoic	metamorphic	mica schist	Smith River	Fork Mountain	n/a		8a	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	n/a
Stream S-G4 (Harpen Creek)	I-091	Conventional Bore	291.71	Precambrian	Neoproterozoic	metamorphic	biotite gneiss	Smith River	Bassett	n/a		21D	Madison fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-G3 (UNT to Harpen Creek)	I-092	Conventional Bore	291.87	Precambrian	Neoproterozoic	metamorphic	biotite gneiss	Smith River	Bassett	n/a		21D	Madison fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-CC16 (UNT to Harpen Creek)	I-093	Conventional Bore	292.11	Precambrian	Neoproterozoic	metamorphic	biotite gneiss	Smith River	Bassett	n/a		5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	n/a
Stream S-CC14 (UNT to Cherrystone Creek)	I-094	Conventional Bore	293.25	Precambrian	Neoproterozoic	metamorphic	biotite gneiss	Smith River	Bassett	n/a		21D	Madison fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-CC13 (UNT to Cherrystone Creek)	I-094	Conventional Bore	293.34	Precambrian	Neoproterozoic	metamorphic	biotite gneiss	Smith River	Bassett	n/a		21D	Madison fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-MM8 (UNT to Cherrystone Creek)	I-095	Conventional Bore	293.50	Precambrian	Neoproterozoic	metamorphic	biotite gneiss	Smith River	Bassett	n/a		5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	n/a
Wetland W-MM5	I-095	Conventional Bore	293.80	Precambrian	Neoproterozoic	metamorphic	biotite gneiss	Smith River	Bassett	n/a		5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	n/a
Stream S-CC15 (UNT to Cherrystone Creek)	I-096	Conventional Bore	293.62	Precambrian	Neoproterozoic	metamorphic	mica schist	Smith River	Fork Mountain	n/a		21D	Madison fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-CC5 (UNT to Cherrystone Creek)	I-097	Conventional Bore	293.90	Precambrian	Neoproterozoic	metamorphic	biotite gneiss	Smith River	Bassett	n/a		8A	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	n/a
Stream S-CC8 (UNT to Cherrystone Creek)	I-097	Conventional Bore	294.20	Precambrian	Neoproterozoic	metamorphic	biotite gneiss	Smith River	Bassett	n/a		8A	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	n/a
Wetland W-MM9	I-101A	Conventional Bore	295.03	Precambrian	Neoproterozoic	metamorphic	mica schist	Smith River	Fork Mountain	n/a		8A	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	n/a
Stream S-P5 (UNT to Cherrystone Creek)	I-103	Conventional Bore	295.28	Precambrian	Neoproterozoic	metamorphic	mica schist	Smith River	Fork Mountain	n/a		5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	n/a
Stream S-Q4 (UNT to Pole Bridge Branch)	I-105	Conventional Bore	296.10	Paleozoic	Cambrian	metamorphic	Granite	Smith River	Leatherwood Granite	n/a		5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	n/a
Stream S-Q2 (UNT to Pole Bridge Branch)	I-106A	Conventional Bore	296.36	Paleozoic	Cambrian	metamorphic	Granite	Smith River	Leatherwood Granite	n/a		5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	n/a
Stream S-DD4 (UNT to Mill Creek)	I-111A	Conventional Bore	298.20	Precambrian	Neoproterozoic	metamorphic	mica schist	Smith River	Fork Mountain	n/a		4C	Cecil sandy loam, 7 to 15 percent slopes	n/a
Stream S-G2 (Little Cherrystone Creek)	I-114	Conventional Bore	299.86	Precambrian	Neoproterozoic	metamorphic	mica schist	Smith River	Fork Mountain	n/a		5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	n/a
Wetland W-G2	I-114	Conventional Bore	299.86	Precambrian	Neoproterozoic	metamorphic	mica schist	Smith River	Fork Mountain	n/a		5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	n/a
Stream S-B2 (UNT to Little Cherrystone Creek)	I-115	Conventional Bore	300.53	Precambrian	Neoproterozoic	metamorphic	mica schist	Smith River	Fork Mountain	n/a		21D	Madison fine sandy loam, 15 to 25 percent slopes	n/a
Stream S-H55 (UNT to Little Cherrystone Cree)	I-116	Conventional Bore	300.92	Paleozoic	Cambrian	metamorphic	Granite	Smith River	Leatherwood Granite	n/a		5C3	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	n/a
Stream S-H54 (UNT to Little Cherrystone Creek)	I-117	Conventional Bore	301.13	Paleozoic	Cambrian	metamorphic	Granite	Smith River	Leatherwood Granite	n/a		8A	Chenneby-Toccoa complex, 0 to 2 percent slopes, frequently flooded	n/a
Stream S-EF26 (Little Cherrystone Creek)	I-121	Conventional Bore	302.84	Precambrian	Neoproterozoic	metamorphic	mica schist	Smith River	Fork Mountain	n/a		41A	Wehadkee silt loam, 0 to 2 percent slopes, frequently flooded	n/a
Wetland W-IJ22-PFO	I-121	Conventional Bore	302.90	Precambrian	Neoproterozoic	metamorphic	mica schist	Smith River	Fork Mountain	n/a		41A	Wehadkee silt loam, 0 to 2 percent slopes, frequently flooded	n/a
Wetland W-IJ22-PEM	I-121	Conventional Bore	302.90	Precambrian	Neoproterozoic	metamorphic	mica schist	Smith River	Fork Mountain	n/a		41A	Wehadkee silt loam, 0 to 2 percent slopes, frequently flooded	n/a
Stream S-H44 (UNT to Little Cherrystone Creek)	I-122	Conventional Bore	302.89	Precambrian	Neoproterozoic	metamorphic	mica schist	Smith River	Fork Mountain	n/a		23C	Mayodan fine sandy loam, 7 to 15 percent slopes	n/a
Stream S-H42 (UNT to Little Cherrystone Creek)	I-123	Conventional Bore	303.16	Mesozoic	Triassic	sedementary	sandstone, siltstone	Newark Supergroup	Leakesville	n/a		23C	Mayodan fine sandy loam, 7 to 15 percent slopes	n/a

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