

NATURAL RESOURCE APPENDIX

AUGUSTA COUNTY EXISTING CONDITIONS REPORT

WATERSHED DATA TABLES

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TABLE A-1: IMPERVIOUS COVER (CAMA)

HUC 12		Impervious Cover	
Name	Area (Acres)	Area (Acres)	Percent (%)
(Lower) Little Calfpasture River-Lake Merriweather	5174.23	82.80	1.60
(Upper) Little Calfpasture River-Smith Creek	31855.77	1359.96	4.27
(Upper) South River-Marlbrook Creek	6985.22	287.45	4.12
Back Creek-Inch Branch	26589.35	1523.09	5.73
Briery Branch	5177.39	0.00	0.00
Calfpasture River-Chair Draft	14372.28	51.09	0.36
Calfpasture River-Fridley Branch	16977.13	111.40	0.66
Calfpasture River-Holloway Draft	24431.46	112.76	0.46
Christians Creek-Barterbrook Branch	26026.38	1524.74	5.86
Christians Creek-Folly Mills Creek	29115.73	1105.21	3.80
Hamilton Branch	12204.77	72.03	0.59
Hays Creek-Dutch Hollow Branch	14762.58	321.87	2.18
Jennings Branch	22783.51	325.28	1.43
Lewis Creek-Poague Run	7576.16	422.76	5.58
Little River-Big Run	16232.53	7.04	0.04
Long Glade Creek	9677.37	210.11	2.17
Meadow Run	12232.62	509.24	4.16
Middle River-Bell Creek	9628.17	385.03	4.00
Middle River-Broad Run	22758.58	927.90	4.08
Middle River-Buffalo Branch	19067.78	626.49	3.29
Middle River- Eidson Creek	39764.08	1624.51	4.09
Middle River-Falling Spring Run	20722.65	1252.72	6.05
Mill Creek-Cabin Creek	962.24	0.01	0.00
Moffett Creek	17212.59	360.36	2.09
Mossy Creek	8935.32	242.54	2.71
Naked Creek-North Fork Naked Creek	14417.22	460.42	3.19
North River-Pleasant Run	6362.97	455.15	7.15
North River-Skidmore Fork	25309.03	0.08	0.00
North River-Thorny Branch	19061.44	470.25	2.47
Ramseys Draft	13705.61	39.96	0.29
Saint Marys River	10067.01	76.51	0.76
South River-Canada Run	25566.29	1194.95	4.67
South River-Paine Run	29402.49	763.12	2.60
South River-Porterfield Run	23836.34	1185.16	4.97
South River-Stony Run	26853.38	813.76	3.03
Walker Creek	5768.75	100.91	1.75
Total Impervious Cover	621576.40	19006.80	3.06
Median			2.65
Quartile 3			4.13

TABLE A-2: POLICY AREAS (AUGUSTA COUNTY)

Augusta County HUC 12		Community Development Area		Agricultural Conservation Area		Rural Conservation Area		Urban Service Area		Public Land	
Name	Acres	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
(Lower) Little Calfpasture River-Lake Merriweather	5174.23	0.00	0.00	2905.28	56.15	992.06	19.17	0.27	0.01	1249.80	24.15
(Upper) Little Calfpasture River-Smith Creek	31855.77	0.00	0.00	7794.95	24.47	715.17	2.25	2276.09	7.14	19265.71	60.48
(Upper) South River-Marlbrook Creek	6985.22	1275.87	18.27	3994.75	57.19	1910.25	27.35	0.00	0.00	1040.08	14.89
Back Creek-Inch Branch	26589.35	2537.24	9.54	5580.73	20.99	3217.52	12.10	168.13	0.63	14683.43	55.22
Briery Branch	5177.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5119.91	98.89
Calfpasture River-Chair Draft	14372.28	0.00	0.00	1258.11	8.75	823.78	5.73	0.00	0.00	12286.63	85.49
Calfpasture River-Fridley Branch	16977.13	0.00	0.00	5362.25	31.59	0.00	0.00	0.00	0.00	11555.78	68.07
Calfpasture River-Holloway Draft	24431.46	0.57	0.00	4214.19	17.25	1057.05	4.33	0.00	0.00	19156.07	78.41
Christians Creek-Barterbrook Branch	26026.38	5234.20	20.11	4735.43	18.19	7545.40	28.99	8502.35	32.67	0.00	0.00
Christians Creek-Folly Mills Creek	29115.73	4625.73	15.89	16197.34	55.63	6034.05	20.72	2258.62	7.76	0.00	0.00
Hamilton Branch	12204.77	166.96	1.37	2018.54	16.54	925.90	7.59	0.00	0.00	8798.42	72.09
Hays Creek-Dutch Hollow Branch	14762.58	0.00	0.00	14078.93	95.37	596.55	4.04	0.00	0.00	0.00	0.00
Jennings Branch	22783.51	1056.47	4.64	5087.97	22.33	3745.74	16.44	0.00	0.00	12890.44	56.58
Lewis Creek-Poague Run	7576.16	1741.33	22.98	464.70	6.13	2840.71	37.50	2464.11	32.52	0.00	0.00
Little River-Big Run	16232.53	0.00	0.00	423.50	2.61	0.00	0.00	0.00	0.00	15807.96	97.38
Long Glade Creek	9677.37	0.00	0.00	9362.20	96.74	295.00	3.05	0.00	0.00	0.00	0.00
Meadow Run	12232.62	169.29	1.38	6934.56	56.69	3189.91	26.08	1938.86	15.85	0.00	0.00
Middle River-Bell Creek	9628.17	846.86	8.80	5578.20	57.94	2924.20	30.37	278.89	2.90	0.00	0.00
Middle River-Broad Run	22758.58	477.94	2.10	16703.44	73.39	2584.75	11.36	2990.11	13.14	0.00	0.00
Middle River-Buffalo Branch	19067.78	1286.11	6.74	5707.93	29.93	3746.83	19.65	0.00	0.00	8179.71	42.90
Middle River-Eidson Creek	39764.08	574.05	1.44	33640.69	84.60	3870.92	9.73	9.27	0.02	1803.07	4.53
Middle River-Falling Spring Run	20722.65	1766.01	8.52	10849.69	52.36	4475.41	21.60	3426.20	16.53	0.00	0.00
Mill Creek-Cabin Creek	962.24	0.00	0.00	0.69	0.07	0.00	0.00	0.00	0.00	950.62	98.79
Moffett Creek	17212.59	19.48	0.11	13006.07	75.56	1641.56	9.54	0.00	0.00	2318.99	13.47
Mossy Creek	8935.32	0.00	0.00	8284.40	92.72	644.89	7.22	0.00	0.00	0.00	0.00
Naked Creek-North Fork Naked Creek	14417.22	363.48	2.52	10757.55	74.62	3126.00	21.68	148.50	1.03	0.00	0.00
North River-Pleasant Run	6362.97	35.06	0.55	3360.43	52.81	239.66	3.77	2669.20	41.95	0.00	0.00
North River-Skidmore Fork	25309.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25265.60	99.83

Augusta County HUC 12		Community Development Area		Agricultural Conservation Area		Rural Conservation Area		Urban Service Area		Public Land	
Name	Acres	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
North River-Thorny Branch	19061.44	0.00	0.00	13713.46	71.94	1091.27	5.73	0.00	0.00	4206.72	22.07
Ramseys Draft	13705.61	0.00	0.00	2744.72	20.03	507.90	3.71	0.00	0.00	10459.20	76.31
Saint Marys River	10067.01	0.00	0.00	712.11	7.07	0.00	0.00	0.00	0.00	9327.34	92.65
South River-Canada Run	25566.29	5343.45	20.90	485.19	1.90	877.10	3.43	9661.26	37.79	8693.80	34.00
South River-Paine Run	29402.49	1516.74	5.16	11892.31	40.45	6197.85	21.08	878.19	2.99	8831.72	30.04
South River-Porterfield Run	23836.34	3316.93	13.92	4713.37	19.77	10670.90	44.77	1656.26	6.95	3445.66	14.46
South River-Stony Run	26853.38	1916.19	7.14	12516.42	46.61	6732.52	25.07	295.61	1.10	5392.64	20.08
Walker Creek	5768.75	0.00	0.00	5389.52	93.43	337.11	5.84	0.00	0.00	0.02	0.00
Total	621576.40										
Median			0.96		36.02		8.56		0.00		21.08
Upper Quartile			7.48		61.44		21.21		7.00		69.07

TABLE A-3: NATURAL HERITAGE RESOURCES (VA DCR – DIVISION OF NATURAL HERITAGE)

HUC 12		Natural Heritage Resources		
Name	Area (Acres)	Number of Sites	Area (Acres)	Percent (%)
(Lower) Little Calfpasture River-Lake Merriweather	5174.23	4	767.35	14.83
(Upper) Little Calfpasture River-Smith Creek	31855.77	6	2451.03	7.69
(Upper) South River-Marlbrook Creek	6985.22	4	69.13	0.99
Back Creek-Inch Branch	26589.35	17	8507.52	32.00
Briery Branch	5177.39	5	2079.91	40.17
Calfpasture River-Chair Draft	14372.28	2	62.77	0.44
Calfpasture River-Fridley Branch	16977.13	6	662.64	3.90
Calfpasture River-Holloway Draft	24431.46	8	1761.77	7.21
Christians Creek-Barterbrook Branch	26026.38	16	11067.60	42.52
Christians Creek-Folly Mills Creek	29115.73	14	8138.30	27.95
Hamilton Branch	12204.77	2	7.29	0.06
Hays Creek-Dutch Hollow Branch	14762.58	1	0.20	0.00
Jennings Branch	22783.51	1	500.32	2.20
Lewis Creek-Poague Run	7576.16	4	1901.05	25.09
Little River-Big Run	16232.53	10	5853.49	36.06
Long Glade Creek	9677.37	2	3350.62	34.62
Meadow Run	12232.62	0	0.00	0.00
Middle River-Bell Creek	9628.17	1	9.52	0.10
Middle River-Broad Run	22758.58	1	21.20	0.09
Middle River-Buffalo Branch	19067.78	3	1635.14	8.58
Middle River-Eidson Creek	39764.08	7	895.52	2.25
Middle River-Falling Spring Run	20722.65	2	279.78	1.35
Mill Creek-Cabin Creek	962.24	0	0.00	0.00
Moffett Creek	17212.59	2	493.86	2.87
Mossy Creek	8935.32	4	3289.96	36.82
Naked Creek-North Fork Naked Creek	14417.22	1	3386.50	23.49
North River-Pleasant Run	6362.97	0	0.00	0.00
North River-Skidmore Fork	25309.03	11	10180.09	40.22
North River-Thorny Branch	19061.44	5	3695.25	19.39
Ramseys Draft	13705.61	11	3022.45	22.05
Saint Marys River	10067.01	14	3714.33	36.90
South River-Canada Run	25566.29	65	14272.62	55.83
South River-Paine Run	29402.49	23	5498.57	18.70
South River-Porterfield Run	23836.34	3	382.54	1.60
South River-Stony Run	26853.38	28	6414.05	23.89
Walker Creek	5768.75	1	500.14	8.67
Median		4		8.62
Quartile 3		10		29
Total Acres	621576.41		104872.50	16.87
Total mi ²	971.21		163.86	16.87

TABLE A-4: PROTECTED LAND (VA DCR)

HUC 12		Land Under Easement	
Name	Area (Acres)	Area (Acres)	Percent (%)
(Lower) Little Calfpasture River-Lake Merriweather	5174.23	2501	48.34
(Upper) Little Calfpasture River-Smith Creek	31855.77	21084	66.19
(Upper) South River-Marlbrook Creek	6985.22	1498	21.45
Back Creek-Inch Branch	26589.35	16579	62.35
Briery Branch	5177.39	5164	99.73
Calfpasture River-Chair Draft	14372.28	12269	85.37
Calfpasture River-Fridley Branch	16977.13	11419	67.26
Calfpasture River-Holloway Draft	24431.46	19454	79.63
Christians Creek-Barterbrook Branch	26026.38	129	0.50
Christians Creek-Folly Mills Creek	29115.73	480	1.65
Hamilton Branch	12204.77	8931	73.18
Hays Creek-Dutch Hollow Branch	14762.58	1011	6.85
Jennings Branch	22783.51	12944	56.82
Lewis Creek-Poague Run	7576.16	0	0.00
Little River-Big Run	16232.53	15819	97.45
Long Glade Creek	9677.37	373	3.86
Meadow Run	12232.62	0	0.00
Middle River-Bell Creek	9628.17	79	0.82
Middle River-Broad Run	22758.58	48	0.21
Middle River-Buffalo Branch	19067.78	9475	49.69
Middle River- Eidson Creek	39764.08	4238	10.66
Middle River-Falling Spring Run	20722.65	282	1.36
Mill Creek-Cabin Creek	962.24	960	99.75
Moffett Creek	17212.59	2486	14.44
Mossy Creek	8935.32	83	0.92
Naked Creek-North Fork Naked Creek	14417.22	43	0.30
North River-Pleasant Run	6362.97	0	0.00
North River-Skidmore Fork	25309.03	25216	99.63
North River-Thorny Branch	19061.44	4351	22.82
Ramseys Draft	13705.61	11278	82.28
Saint Marys River	10067.01	9394	93.31
South River-Canada Run	25566.29	9459	37.00
South River-Paine Run	29402.49	9585	32.60
South River-Porterfield Run	23836.34	5437	22.81
South River-Stony Run	26853.38	6526	24.30
Walker Creek	5768.75	529	9.17
Total	621576.40		
Median		5163.63	23.56
Upper Quartile		11277.52	68.74

TABLE A-5: IMPAIRED STREAMS (VA DEQ)

HUC 12	Length (miles)
(Lower) Little Calfpasture River-Lake Merriweather	0.91
(Upper) Little Calfpasture River-Smith Creek	10.31
(Upper) South River-Marlbrook Creek	0.00
Back Creek-Inch Branch	27.57
Briery Branch	2.76
Calfpasture River-Chair Draft	0.00
Calfpasture River-Fridley Branch	8.94
Calfpasture River-Holloway Draft	2.80
Christians Creek-Barterbrook Branch	18.01
Christians Creek-Folly Mills Creek	26.73
Hamilton Branch	0.00
Hays Creek-Dutch Hollow Branch	8.24
Jennings Branch	0.01
Lewis Creek-Poague Run	4.24
Little River-Big Run	0.00
Long Glade Creek	7.14
Meadow Run	10.06
Middle River-Bell Creek	0.01
Middle River-Broad Run	24.95
Middle River-Buffalo Branch	10.30
Middle River- Eidson Creek	33.47
Middle River-Falling Spring Run	0.03
Mill Creek-Cabin Creek	0.00
Moffett Creek	13.75
Mossy Creek	8.01
Naked Creek-North Fork Naked Creek	6.85
North River-Pleasant Run	2.22
North River-Skidmore Fork	17.28
North River-Thorny Branch	9.68
Ramseys Draft	0.00
Saint Marys River	1.78
South River-Canada Run	18.99
South River-Paine Run	25.27
South River-Porterfield Run	5.09
South River-Stony Run	32.58
Walker Creek	2.57
Median	8.59
Quartile 3	17.83

TABLE A-6: FOREST PATCHES (VDOF)

HUC 12		Forest Patches		Tracks>100 acres
Name	Area (Acres)	Area (Acres)	Percent (%)	Area (Acres)
(Lower) Little Calfpasture River-Lake Merriweather	5174.23	3981.96	76.96	3863.62
(Upper) Little Calfpasture River-Smith Creek	31855.77	27703.94	86.97	27177.82
(Upper) South River-Marlbrook Creek	6985.22	2835.38	40.59	2137.67
Back Creek-Inch Branch	26589.35	23917.84	89.95	23616.48
Briery Branch	5177.39	5172.83	99.91	5172.83
Calfpasture River-Chair Draft	14372.28	13976.79	97.25	13966.65
Calfpasture River-Fridley Branch	16977.13	15162.50	89.31	14930.31
Calfpasture River-Holloway Draft	24431.46	22095.34	90.44	21920.38
Christians Creek-Barterbrook Branch	26026.38	8055.99	30.95	5528.12
Christians Creek-Folly Mills Creek	29115.73	10066.74	34.57	7712.40
Hamilton Branch	12204.77	11162.87	91.46	11063.30
Hays Creek-Dutch Hollow Branch	14762.58	5541.70	37.54	4307.16
Jennings Branch	22783.51	17353.13	76.17	16778.29
Lewis Creek-Poague Run	7576.16	2082.53	27.49	1165.21
Little River-Big Run	16232.53	16184.10	99.70	16184.11
Long Glade Creek	9677.37	2127.43	21.98	1148.75
Meadow Run	12232.62	1872.32	15.31	335.55
Middle River-Bell Creek	9628.17	4073.89	42.31	3010.25
Middle River-Broad Run	22758.58	4190.85	18.41	1743.85
Middle River-Buffalo Branch	19067.78	13986.38	73.35	13082.67
Middle River- Eidson Creek	39764.08	13769.18	34.63	10414.94
Middle River-Falling Spring Run	20722.65	6920.72	33.40	4511.97
Mill Creek-Cabin Creek	962.24	956.45	99.40	952.43
Moffett Creek	17212.59	8896.29	51.68	7567.34
Mossy Creek	8935.32	2341.88	26.21	1190.88
Naked Creek-North Fork Naked Creek	14417.22	4234.42	29.37	2051.56
North River-Pleasant Run	6362.97	1071.89	16.85	237.91
North River-Skidmore Fork	25309.03	25165.61	99.43	25165.61
North River-Thorny Branch	19061.44	10881.80	57.09	9917.81
Ramseys Draft	13705.61	13196.35	96.28	13021.21
Saint Marys River	10067.01	9943.49	98.77	9849.34
South River-Canada Run	25566.29	13927.11	54.47	12218.32
South River-Paine Run	29402.49	19123.42	65.04	17479.16
South River-Porterfield Run	23836.34	14858.62	62.34	13665.07
South River-Stony Run	26853.38	14479.98	53.92	12454.01
Walker Creek	5768.75	4137.08	71.72	3914.71
Median			59.71	8780.87
Upper Quartile			90.07	13740.47

TABLE A-7: WILDLAND-URBAN INTERFACE(VDOF)

HUC 12		Wildland Urban Interface	
Name	Area (Acres)	Area (Acres)	Percent (%)
(Lower) Little Calfpasture River-Lake Merriweather	5174.23	131.57	2.54
(Upper) Little Calfpasture River-Smith Creek	31855.77	1390.96	4.37
(Upper) South River-Marlbrook Creek	6985.22	1008.74	14.44
Back Creek-Inch Branch	26589.35	2441.56	9.18
Briery Branch	5177.39	0.02	0.00
Calfpasture River-Chair Draft	14372.28	76.37	0.53
Calfpasture River-Fridley Branch	16977.13	18.81	0.11
Calfpasture River-Holloway Draft	24431.46	108.22	0.44
Christians Creek-Barterbrook Branch	26026.38	5616.43	21.58
Christians Creek-Folly Mills Creek	29115.73	6001.28	20.61
Hamilton Branch	12204.77	79.34	0.65
Hays Creek-Dutch Hollow Branch	14762.58	41.86	0.28
Jennings Branch	22783.51	1643.14	7.21
Lewis Creek-Poague Run	7576.16	1955.26	25.81
Little River-Big Run	16232.53	0.00	0.00
Long Glade Creek	9677.37	1019.18	10.53
Meadow Run	12232.62	1856.39	15.18
Middle River-Bell Creek	9628.17	3149.02	32.71
Middle River-Broad Run	22758.58	2195.25	9.65
Middle River-Buffalo Branch	19067.78	3232.75	16.95
Middle River- Eidson Creek	39764.08	2437.23	6.13
Middle River-Falling Spring Run	20722.65	4980.14	24.03
Mill Creek-Cabin Creek	962.24	0.00	0.00
Moffett Creek	17212.59	2165.83	12.58
Mossy Creek	8935.32	1548.93	17.33
Naked Creek-North Fork Naked Creek	14417.22	2499.02	17.33
North River-Pleasant Run	6362.97	995.60	15.65
North River-Skidmore Fork	25309.03	0.00	0.00
North River-Thorny Branch	19061.44	3299.71	17.31
Ramseys Draft	13705.61	16.70	0.12
Saint Marys River	10067.01	95.53	0.95
South River-Canada Run	25566.29	4417.77	17.28
South River-Paine Run	29402.49	8800.08	29.93
South River-Porterfield Run	23836.34	4636.19	19.45
South River-Stony Run	26853.38	5979.08	22.27
Walker Creek	5768.75	0.03	0.00
Median		1856.39	10.09
Upper Quartile		3232.75	17.33

TABLE A-8: WILDFIRE RISK AREA (VDOF)

HUC 12		Wildfire Risk Area	
Name	Area (Acres)	Area (Acres)	Percent (%)
(Lower) Little Calfpasture River-Lake Merriweather	5174.23	2415.27	46.68
(Upper) Little Calfpasture River-Smith Creek	31855.77	23919.11	75.09
(Upper) South River-Marlbrook Creek	6985.22	739.50	10.59
Back Creek-Inch Branch	26589.35	7999.86	30.09
Briery Branch	5177.39	1772.75	34.24
Calfpasture River-Chair Draft	14372.28	2591.94	18.03
Calfpasture River-Fridley Branch	16977.13	7506.32	44.21
Calfpasture River-Holloway Draft	24431.46	2227.06	9.12
Christians Creek-Barterbrook Branch	26026.38	3467.11	13.32
Christians Creek-Folly Mills Creek	29115.73	2364.27	8.12
Hamilton Branch	12204.77	1677.80	13.75
Hays Creek-Dutch Hollow Branch	14762.58	34.85	0.24
Jennings Branch	22783.51	5560.88	24.41
Lewis Creek-Poague Run	7576.16	853.81	11.27
Little River-Big Run	16232.53	5480.38	33.76
Long Glade Creek	9677.37	168.61	1.74
Meadow Run	12232.62	607.95	4.97
Middle River-Bell Creek	9628.17	591.77	6.15
Middle River-Broad Run	22758.58	431.23	1.89
Middle River-Buffalo Branch	19067.78	4088.37	21.44
Middle River- Eidson Creek	39764.08	1638.08	4.12
Middle River-Falling Spring Run	20722.65	1913.27	9.23
Mill Creek-Cabin Creek	962.24	898.19	93.34
Moffett Creek	17212.59	1301.07	7.56
Mossy Creek	8935.32	149.34	1.67
Naked Creek-North Fork Naked Creek	14417.22	713.02	4.95
North River-Pleasant Run	6362.97	170.91	2.69
North River-Skidmore Fork	25309.03	6684.46	26.41
North River-Thorny Branch	19061.44	5100.21	26.76
Ramseys Draft	13705.61	1058.25	7.72
Saint Marys River	10067.01	850.61	8.45
South River-Canada Run	25566.29	484.39	1.89
South River-Paine Run	29402.49	10852.58	36.91
South River-Porterfield Run	23836.34	11416.24	47.89
South River-Stony Run	26853.38	1980.82	7.38
Walker Creek	5768.75	1726.32	29.93

TABLE A-9: ACSA SOURCE WATER ASSESSMENT ZONES (ACSA)

HUC 12		SWAP	
Name	Area (Acres)	Area (Acres)	Percent (%)
(Lower) Little Calfpasture River-Lake Merriweather	5174.23	0.00	0.00
(Upper) Little Calfpasture River-Smith Creek	31855.77	4610.71	14.47
(Upper) South River-Marlbrook Creek	6985.22	1120.42	16.04
Back Creek-Inch Branch	26589.35	5986.35	22.51
Briery Branch	5177.39	0.00	0.00
Calfpasture River-Chair Draft	14372.28	0.00	0.00
Calfpasture River-Fridley Branch	16977.13	164.41	0.97
Calfpasture River-Holloway Draft	24431.46	383.28	1.57
Christians Creek-Barterbrook Branch	26026.38	0.00	0.00
Christians Creek-Folly Mills Creek	29115.73	2388.83	8.20
Hamilton Branch	12204.77	1646.37	13.49
Hays Creek-Dutch Hollow Branch	14762.58	0.00	0.00
Jennings Branch	22783.51	4439.36	19.48
Lewis Creek-Poague Run	7576.16	6.98	0.09
Little River-Big Run	16232.53	103.49	0.64
Long Glade Creek	9677.37	860.55	8.89
Meadow Run	12232.62	1988.49	16.26
Middle River-Bell Creek	9628.17	1893.40	19.67
Middle River-Broad Run	22758.58	95.08	0.42
Middle River-Buffalo Branch	19067.78	2199.43	11.53
Middle River- Eidson Creek	39764.08	1632.39	4.11
Middle River-Falling Spring Run	20722.65	3851.91	18.59
Mill Creek-Cabin Creek	962.24	0.00	0.00
Moffett Creek	17212.59	0.00	0.00
Mossy Creek	8935.32	1901.33	21.28
Naked Creek-North Fork Naked Creek	14417.22	959.73	6.66
North River-Pleasant Run	6362.97	261.40	4.11
North River-Skidmore Fork	25309.03	3916.18	15.47
North River-Thorny Branch	19061.44	1409.74	7.40
Ramseys Draft	13705.61	0.00	0.00
Saint Marys River	10067.01	0.00	0.00
South River-Canada Run	25566.29	4926.60	19.27
South River-Paine Run	29402.49	11621.90	39.53
South River-Porterfield Run	23836.34	5015.99	21.04
South River-Stony Run	26853.38	2205.45	8.21
Walker Creek	5768.75	559.07	9.69
TOTAL	514116.11		
Median		1893.40	11.53
Quartile 3		3884.04	18.93

TABLE A-10: LEAKING UNDERGROUND STORAGE TANKS (VA DEQ)

HUC 12 Name	LUST Category	
	Open	Closed
(Lower) Little Calfpasture River-Lake Merriweather	0	0
(Upper) Little Calfpasture River-Smith Creek	1	5
(Upper) South River-Marlbrook Creek	2	2
Back Creek-Inch Branch	0	4
Briery Branch	0	1
Calfpasture River-Chair Draft	0	1
Calfpasture River-Fridley Branch	0	0
Calfpasture River-Holloway Draft	0	0
Christians Creek-Barterbrook Branch	1	35
Christians Creek-Folly Mills Creek	1	20
Hamilton Branch	0	2
Hays Creek-Dutch Hollow Branch	0	0
Jennings Branch	3	7
Lewis Creek-Poague Run	0	10
Little River-Big Run	0	0
Long Glade Creek	0	2
Meadow Run	0	8
Middle River-Bell Creek	0	4
Middle River-Broad Run	1	8
Middle River-Buffalo Branch	0	6
Middle River- Eidson Creek	0	6
Middle River-Falling Spring Run	0	36
Mill Creek-Cabin Creek	0	0
Moffett Creek	0	4
Mossy Creek	0	6
Naked Creek-North Fork Naked Creek	1	2
North River-Pleasant Run	0	9
North River-Skidmore Fork	0	6
North River-Thorny Branch	0	1
Ramseys Draft	0	0
Saint Marys River	0	0
South River-Canada Run	1	16
South River-Paine Run	2	8
South River-Porterfield Run	1	23
South River-Stony Run	0	16
Walker Creek	0	0
Median		6
Upper Quartile		9.5

TABLE A-11: KARST (DMME – DMR)

HUC 12		Karst	
Name	Area (acres)	Area (acres)	Percent (%)
(Lower) Little Calfpasture River-Lake Merriweather	5174.23	4.53	0.09
(Upper) Little Calfpasture River-Smith Creek	31855.77	0.00	0.00
(Upper) South River-Marlbrook Creek	6985.22	6360.89	91.06
Back Creek-Inch Branch	26589.35	5202.17	19.56
Briery Branch	5177.39	8.81	0.17
Calfpasture River-Chair Draft	14372.28	0.00	0.00
Calfpasture River-Fridley Branch	16977.13	5152.18	30.35
Calfpasture River-Holloway Draft	24431.46	20.97	0.09
Christians Creek-Barterbrook Branch	26026.38	6581.80	25.29
Christians Creek-Folly Mills Creek	29115.73	24691.20	84.80
Hamilton Branch	12204.77	1944.91	15.94
Hays Creek-Dutch Hollow Branch	14762.58	0.00	0.00
Jennings Branch	22783.51	7443.36	32.67
Lewis Creek-Poague Run	7576.16	5257.34	69.39
Little River-Big Run	16232.53	0.34	0.00
Long Glade Creek	9677.37	9504.00	98.21
Meadow Run	12232.62	6963.97	56.93
Middle River-Bell Creek	9628.17	0.00	0.00
Middle River-Broad Run	22758.58	8726.82	38.35
Middle River-Buffalo Branch	19067.78	7734.28	40.56
Middle River- Eidson Creek	39764.08	30251.53	76.08
Middle River-Falling Spring Run	20722.65	14658.84	70.74
Mill Creek-Cabin Creek	962.24	958.92	99.65
Moffett Creek	17212.59	12855.57	74.69
Mossy Creek	8935.32	0.00	0.00
Naked Creek-North Fork Naked Creek	14417.22	10267.00	71.21
North River-Pleasant Run	6362.97	2370.65	37.26
North River-Skidmore Fork	25309.03	21.80	0.09
North River-Thorny Branch	19061.44	10174.28	53.38
Ramseys Draft	13705.61	56.55	0.41
Saint Marys River	10067.01	653.46	6.49
South River-Canada Run	25566.29	18998.45	74.31
South River-Paine Run	29402.49	20868.89	70.98
South River-Porterfield Run	23836.34	11188.67	46.94
South River-Stony Run	26853.38	23834.97	88.76
Walker Creek	5768.75	3234.42	56.07
Total	588250.33	255991.56	43.52
Percent	100.00	43.52	43.52
Median		5229.75	37.80
Upper Quartile		10197.46	71.04

**TABLE A-12: FLOOD CONTROL DAMS & INUNDATION ZONES
(HEADWATERS SWCD, COUNTY)**

HUC 12	HUC 12 Area (acres)	Number of Flood Control Dams	Inundation Zone Area (Acres)
(Lower) Little Calfpasture River-Lake Merriweather	5174.23	0	0.00
(Upper) Little Calfpasture River-Smith Creek	31855.77	0	0.00
(Upper) South River-Marlbrook Creek	6985.22	1	0.00
Back Creek-Inch Branch	26589.35	6	1696.96
Briery Branch	5177.39	0	0.00
Calfpasture River-Chair Draft	14372.28	0	0.00
Calfpasture River-Fridley Branch	16977.13	0	0.00
Calfpasture River-Holloway Draft	24431.46	0	0.00
Christians Creek-Barterbrook Branch	26026.38	0	0.00
Christians Creek-Folly Mills Creek	29115.73	0	0.00
Hamilton Branch	12204.77	0	0.00
Hays Creek-Dutch Hollow Branch	14762.58	0	0.00
Jennings Branch	22783.51	0	0.00
Lewis Creek-Poague Run	7576.16	0	0.00
Little River-Big Run	16232.53	1	0.00
Long Glade Creek	9677.37	0	0.00
Meadow Run	12232.62	1	0.00
Middle River-Bell Creek	9628.17	0	0.00
Middle River-Broad Run	22758.58	0	0.00
Middle River-Buffalo Branch	19067.78	0	0.00
Middle River- Eidson Creek	39764.08	3	0.00
Middle River-Falling Spring Run	20722.65	0	0.00
Mill Creek-Cabin Creek	962.24	0	0.00
Moffett Creek	17212.59	0	0.00
Mossy Creek	8935.32	0	0.00
Naked Creek-North Fork Naked Creek	14417.22	0	0.00
North River-Pleasant Run	6362.97	0	0.00
North River-Skidmore Fork	25309.03	3	0.00
North River-Thorny Branch	19061.44	0	0.00
Ramseys Draft	13705.61	0	0.00
Saint Marys River	10067.01	0	0.00
South River-Canada Run	25566.29	3	2351.93
South River-Paine Run	29402.49	0	0.00
South River-Porterfield Run	23836.34	0	94.42
South River-Stony Run	26853.38	6	905.79
Walker Creek	5768.75	0	0.00

**TABLE A-13: DETAILED LIST OF NATURAL HERITAGE RESOURCES (DCR
– DIVISION OF NATURAL HERITAGE)**

COMMON NAME	SCIENTIFIC NAME	FEDERAL STATUS*	STATE STATUS*
ANIMALS			
Tiger Salamander	Ambystoma tigrinum	NL	LE
Cow Knob Salamander	Plethodon punctatus	NL	SC
King Rail	Rallus elegans	NL	NL
Sedge Wren	Cistothorus platensis	NL	SC
Loggerhead Shrike	Lanius ludovicianus	NL	LT
Blackburnian Warbler	Dendroica fusca	NL	NL
Slimy Sculpin	Cottus cognatus	NL	NL
Roughhead Shiner	Notropis semperasper	NL	SC
Eastern Small-footed Bat	Myotis leibii	NL	NL
Coal Skink	Eumeces anthracinus	NL	NL
Pine Snake	Pituophis melanoleucus	NL	NL
Madison Cave Isopod	Antrolana lira	LT	LT
Madison Cave Amphipod	Stygobromus stegerorum	NL	LT
Sherando Spinosoid Amphipod	Stygobromus sp. 7	NL	NL
A Cave Springtail	Pseudosinella granda	NL	NL
A Cave Springtail	Arrhopalites carolynae	NL	NL
Barrens Tiger Beetle	Cicindela patruela	NL	NL
Mottled Duskywing	Erynnis martialis	NL	NL
Two-spotted Skipper	Euphyes bimacula	NL	NL
Regal Fritillary	Speyeria idalia	NL	NL
Northern Pearly Crescent	Phyciodes cocyta	NL	NL
Moustached Clubtail	Gomphus adelphus	NL	NL
Riffle Snaketail	Ophiogomphus carolus	NL	NL
Lance-tipped Darner	Aeshna constricta	NL	NL
Spatterdock Darner	Aeshna mutata	NL	NL
Black-tipped Darner	Aeshna tuberculifera	NL	NL
American Emerald	Cordulia shurtleffii	NL	NL
Dot-tailed Whiteface	Leucorrhinia intacta	NL	NL
A Cave Mite	Poecilophysis weyerensis	NL	NL
A Cave Pseudoscorpion	Apochthonius coecus	NL	NL
A Cave Pseudoscorpion	Kleptochthonius sp. 1	NL	NL
A Cave Spider	Bathyphantes weyeri	NL	NL
Brook Floater	Alasmidonta varicosa	NL	LE

COMMON NAME	SCIENTIFIC NAME	FEDERAL STATUS*	STATE STATUS*
Grand Caverns Blind Cave Millipede	Trichopetalum weyeriensis	NL	NL
Luray Caverns Blind Cave Millipede	Trichopetalum whitei	NL	NL
A Millipede	Striaria sp. 1	NL	NL
A Millipede	Semionellus placidus	NL	NL
PLANTS			
Rattlesnake-master	Eryngium yuccifolium var. yuccifolium	NL	NL
Bristly Sarsaparilla	Aralia hispida	NL	NL
	Boltonia montana	NL	NL
Virginia Sneezeweed	Helenium virginicum	LT	LE
Bog Goldenrod	Solidago uliginosa var. uliginosa	NL	NL
Great Indian-plantain	Arnoglossum muehlenbergii	NL	NL
Rough-leaved Aster	Eurybia radula	NL	NL
Speckled Alder	Alnus incana ssp. rugosa	NL	NL
Mountain Paper Birch	Betula cordifolia	NL	NL
Shale-barren Rockcress	Arabis serotina	LE	LT
Plains Frostweed	Helianthemum bicknellii	NL	NL
Low Frostweed	Helianthemum propinquum	NL	NL
Northern St. John's-wort	Hypericum boreale	NL	NL
Roundleaf Dogwood	Cornus rugosa	NL	NL
Hazel Dodder	Cuscuta coryli	NL	NL
Pretty Dodder	Cuscuta indecora	NL	NL
Smartweed Dodder	Cuscuta polygonorum	NL	NL
Large Cranberry	Vaccinium macrocarpon	NL	NL
Velvetleaf Blueberry	Vaccinium myrtilloides	NL	NL
Sessile-leaf Tick-trefoil	Desmodium sessilifolium	NL	NL
Vetchling	Lathyrus palustris	NL	NL
Slender Marsh Pink	Sabatia campanulata	NL	NL
Epling's Hedge-nettle	Stachys eplingii	NL	NL
Fibrous Bladderwort	Utricularia striata	NL	NL
Winged-loosestrife	Lythrum alatum	NL	NL
Buckbean	Menyanthes trifoliata	NL	NL
Sword-leaved Phlox	Phlox buckleyi	NL	NL
Lance-leaf Loosestrife	Lysimachia hybrida	NL	NL
Four-flowered Loosestrife	Lysimachia quadriflora	NL	NL
Trailing Loosestrife	Lysimachia radicans	NL	NL

COMMON NAME	SCIENTIFIC NAME	FEDERAL STATUS*	STATE STATUS*
Shinleaf	<i>Pyrola elliptica</i>	NL	NL
Satin-curls	<i>Clematis catesbyana</i>	NL	NL
Queen-of-the-prairie	<i>Filipendula rubra</i>	NL	NL
Rough Avens	<i>Geum laciniatum</i> var. <i>trichocarpum</i>	NL	NL
Tall Cinquefoil	<i>Potentilla arguta</i>	NL	NL
Red Raspberry	<i>Rubus idaeus</i> ssp. <i>strigosus</i>	NL	NL
Canada Bluets	<i>Houstonia canadensis</i>	NL	NL
Pussy Willow	<i>Salix discolor</i>	NL	NL
Northern Purple Pitcher-plant	<i>Sarracenia purpurea</i> ssp. <i>purpurea</i>	NL	NL
White Alumroot	<i>Heuchera alba</i>	NL	NL
Large-leaved Grass-of-parnassus	<i>Parnassia grandifolia</i>	NL	NL
Marsh-speedwell	<i>Veronica scutellata</i>	NL	NL
Sandpaper Vervain	<i>Verbena scabra</i>	NL	NL
Dwarf Burhead	<i>Echinodorus tenellus</i>	NL	NL
Sessile-fruited Arrowhead	<i>Sagittaria rigida</i>	NL	NL
Aquatic Sedge	<i>Carex aquatilis</i>	NL	NL
Barratt's Sedge	<i>Carex barrattii</i>	NL	NL
Brown Bog Sedge	<i>Carex buxbaumii</i>	NL	NL
Inland Sedge	<i>Carex interior</i>	NL	NL
Lake-bank Sedge	<i>Carex lacustris</i>	NL	NL
Slender Sedge	<i>Carex lasiocarpa</i> var. <i>americana</i>	NL	NL
A Sedge	<i>Carex ormostachya</i>	NL	NL
Variable Sedge	<i>Carex polymorpha</i>	NL	NL
Prairie Sedge	<i>Carex prairea</i>	NL	NL
Roan Mountain Sedge	<i>Carex roanensis</i>	NL	NL
Schweinitz's Sedge	<i>Carex schweinitzii</i>	NL	NL
Sterile Sedge	<i>Carex sterilis</i>	NL	NL
Toothed Sedge	<i>Cyperus dentatus</i>	NL	NL
Black-fruited Spikerush	<i>Eleocharis melanocarpa</i>	NL	NL
Robbins Spikerush	<i>Eleocharis robbinsii</i>	NL	NL
Hardstemmed Bulrush	<i>Schoenoplectus acutus</i> var. <i>acutus</i>	NL	NL
Northeastern Bulrush	<i>Scirpus ancistrochaetus</i>	LE	LE
Water Bulrush	<i>Schoenoplectus subterminalis</i>	NL	NL
Torrey's Bulrush	<i>Schoenoplectus torreyi</i>	NL	NL
Whorled Nutrush	<i>Scleria verticillata</i>	NL	NL
White Buttons	<i>Eriocaulon aquaticum</i>	NL	NL

COMMON NAME	SCIENTIFIC NAME	FEDERAL STATUS*	STATE STATUS*
Carolina Redroot	<i>Lachnanthes carolina</i>	NL	NL
Baltic Rush	<i>Juncus balticus</i> var. <i>littoralis</i>	NL	NL
Small-head Rush	<i>Juncus brachycephalus</i>	NL	NL
Knotted Rush	<i>Juncus nodosus</i>	NL	NL
Swamp-pink	<i>Helonias bullata</i>	LT	LE
Starflower False Solomon's-seal	<i>Maianthemum stellatum</i>	NL	NL
Virginia Least Trillium	<i>Trillium pusillum</i> var. <i>virginianum</i>	NL	NL
Dragon's Mouth	<i>Arethusa bulbosa</i>	NL	NL
Large Purple-fringe Orchis	<i>Platanthera grandiflora</i>	NL	NL
Prairie White-fringe Orchis	<i>Platanthera leucophaea</i>	LT	LT
Shining Ladies'-tresses	<i>Spiranthes lucida</i>	NL	NL
Slender Wheatgrass	<i>Elymus trachycaulus</i> ssp. <i>trachycaulus</i>	NL	NL
Common Northern Sweet Grass	<i>Hierochloa odorata</i> ssp. <i>arctica</i>	NL	NL
Marsh Muhly	<i>Muhlenbergia glomerata</i>	NL	NL
Maidencane	<i>Panicum hemitomon</i>	NL	NL
Walter Paspalum	<i>Paspalum dissectum</i>	NL	NL
Fowl Bluegrass	<i>Poa palustris</i>	NL	NL
A Bluegrass	<i>Poa saltuensis</i>	NL	NL
Freshwater Cordgrass	<i>Spartina pectinata</i>	NL	NL
Longleaf Dropseed	<i>Sporobolus compositus</i> var. <i>compositus</i>	NL	NL
Oakes Pondweed	<i>Potamogeton oakesianus</i>	NL	NL
Tennessee Pondweed	<i>Potamogeton tennesseensis</i>	NL	NL
Water Horsetail	<i>Equisetum fluviatile</i>	NL	NL
Virginia Quillwort	<i>Isoetes virginica</i>	NL	NL
NATURAL COMMUNITIES			
Mountain / Piedmont Acidic Seepage Swamp	Mountain / Piedmont Acidic Seepage Swamp		
Montane Depression Wetlands	Montane Depression Wetlands		
Calcareous Fen / Seep	Calcareous Fen / Seep		
Mesic / Wet-mesic Prairie	Mesic / Wet-mesic Prairie		
Wet Prairie / Prairie Fen	Wet Prairie / Prairie Fen		
	Calcareous Spring Marsh / Muck Fen		
Calcareous Spring Marsh / Muck Fen	Fen		
Appalachian Karst Phreatic Community	Appalachian Karst Phreatic Community		
Appalachian Terrestrial Dung/transitory Organic Matter Cave	Appalachian Terrestrial Dung / Transitory Organic Matter Cave		

COMMON NAME	SCIENTIFIC NAME	FEDERAL STATUS*	STATE STATUS*
Community	Community		
Northern Red Oak Forest	Northern Red Oak Forest		
High-elevation Boulderfield Forest / Woodland	High-elevation Boulderfield Forest / Woodland		
Eastern Hemlock - Hardwood Forest	Eastern Hemlock - Hardwood Forest		
Low-elevation Boulderfield Forest / Woodland	Low-elevation Boulderfield Forest / Woodland		
Pine-oak / Heath Woodland	Pine - Oak / Heath Woodland		
Oak / Heath Forest	Oak / Heath Forest		
Montane Mixed Oak / Oak - Hickory Forest	Montane Mixed Oak / Oak - Hickory Forest		
Mountain / Piedmont Basic Woodland	Mountain / Piedmont Basic Woodland		
High-elevation Outcrop Barren	High-elevation Outcrop Barren		
Low-elevation Basic Outcrop Barren	Low-elevation Basic Outcrop Barren		
Limestone / Dolomite Barren	Limestone / Dolomite Barren		
Central Appalachian Shale Barren	Central Appalachian Shale Barren		
Mountain/Piedmont Acidic Woodland	Mountain / Piedmont Acidic Woodland		
OTHER			
Significant cave	Significant cave		

FEDERAL LEGAL STATUS

The Division of Natural Heritage uses the standard abbreviations for Federal endangerment developed by the U.S. Fish and Wildlife Service, Division of Endangered Species and Habitat Conservation.

LE - Listed Endangered

LT - Listed Threatened

PE - Proposed Endangered

PT - Proposed Threatened

C - Candidate (formerly C1 - Candidate category 1)

E(S/A) - treat as endangered because of similarity of appearance

T(S/A) - treat as threatened because of similarity of appearance

SOC - Species of Concern species that merit special concern (**not a regulatory category**)

NL – no federal legal status

STATE LEGAL STATUS

The Division of Natural Heritage uses similar abbreviations for State endangerment.

LE - Listed Endangered

PE - Proposed Endangered

SC - Special Concern - animals that merit special concern according to VDGIF (not a regulatory category)

LT - Listed Threatened

PT - Proposed Threatened

C - Candidate

NL - no state legal status

For information on the laws pertaining to threatened or endangered species, please contact:

U.S. Fish and Wildlife Service for all **FEDERALLY** listed species;

Department of Agriculture and Consumer Services, Plant Protection Bureau for **STATE** listed plants and insects

Department of Game and Inland Fisheries for all other **STATE** listed animals

TABLE A-14: 2006 IMPAIRED WATERS FOR AUGUSTA COUNTY (DEQ)

ID305B	LOCATION	WATER_NAME	USE_DESC	IMPAIRMENT_NAME	RIVER_SIZE	RES-ERVOIR_SIZE	SIZE_UNIT
VAV-B10R_XDN01A00	Cockran Spring Branch from the spring downstream to its confluence with Middle River.	Cockran Spring Branch	Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	0.8		MILES
VAV-B10R_MDL01A00	Middle River from its confluence with Back Creek downstream to its confluence with Eidson Creek.	Middle River	Recreation	Escherichia coli	4.7		MILES
VAV-B10R_MDL02A00	Middle River from its confluence with Cockran Spring Branch downstream to its confluence with Back Creek.	Middle River	Recreation	Escherichia coli	9.15		MILES
VAV-B10R_MDL03A00	Middle River from the headwaters downstream to its confluence with Cockran Spring Branch.	Middle River	Recreation	Escherichia coli	1.86		MILES
VAV-B11R_MDL01A00	Middle River from its confluence with Buffalo Creek downstream to its confluence with Jennings Branch.	Middle River	Recreation	Fecal Coliform	3.35		MILES
VAV-B11R_MDL02A00	Middle River from its confluence with Eidson Creek downstream to its confluence with Buffalo Branch.	Middle River	Recreation	Fecal Coliform	3.32		MILES
VAV-B10R_MDL01A00	Middle River from its confluence with Back Creek downstream to its confluence with Eidson Creek.	Middle River	Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	4.7		MILES
VAV-B10R_MDL02A00	Middle River from its confluence with Cockran Spring Branch downstream to its confluence with Back Creek.	Middle River	Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	9.15		MILES

ID305B	LOCATION	WATER_NAME	USE_DESC	IMPAIRMENT_NAME	RIVER_SIZE	RES-ERVOIR_SIZE	SIZE_UNIT
VAV-B10R_MDL03A00	Middle River from the headwaters downstream to its confluence with Cockran Spring Branch.	Middle River	Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	1.86		MILES
VAV-B10R_BAK01A00	Back Creek from the headwaters downstream to its confluence with Middle River.	Back Creek	Recreation	Fecal Coliform	8.39		MILES
VAV-B10R_EDN01A00	Eidson Creek from the headwaters downstream to its confluence with Middle River.	Eidson Creek	Recreation	Fecal Coliform	8.66		MILES
VAV-B11R_XED01A02	Falls Hollow from the headwaters downstream to its confluence with Buffalo Branch.	Falls Hollow	Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	3.52		MILES
VAV-B12R_LEW01A00	Lewis Creek south of the Staunton City boundary near the power line crossing downstream to its confluence with Middle River.	Lewis Creek	Recreation	Escherichia coli	9.73		MILES
VAV-B12R_LEW01A00	Lewis Creek south of the Staunton City boundary near the power line crossing downstream to its confluence with Middle River.	Lewis Creek	Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	9.73		MILES
VAV-B12R_LEW01A00	Lewis Creek south of the Staunton City boundary near the power line crossing downstream to its confluence with Middle River.	Lewis Creek	Fish Consumption	PCB in Fish Tissue	9.73		MILES
VAV-B13R_MFT01A00	Moffett Creek from the headwaters downstream to its confluence with Middle River.	Moffett Creek	Recreation	Fecal Coliform	9.53		MILES

ID305B	LOCATION	WATER_NAME	USE_DESC	IMPAIRMENT_NAME	RIVER_SIZE	RES-ERVOIR_SIZE	SIZE_UNIT
VAV-B13R_MFT01A00	Moffett Creek from the headwaters downstream to its confluence with Middle River.	Moffett Creek	Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	9.53		MILES
VAV-B13R_ELK01A00	Elk Run from the headwaters downstream to its confluence with Moffett Creek.	Elk Run	Recreation	Fecal Coliform	3.98		MILES
VAV-B13R_XEI02A02	Tunnel Hollow x-trib from the headwaters downstream to its confluence with Tunnel Hollow.	Tunnel Hollow x-trib	Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	0.2		MILES
VAV-B14R_CST02A00	Christians Creek from the headwaters downstream to its confluence with Barterbrook Branch.	Christians Creek	Recreation	Escherichia coli	14.91		MILES
VAV-B14R_CST01A00	Christians Creek from its confluence with Barterbrook Branch downstream to its confluence with Middle River.	Christians Creek	Recreation	Escherichia coli	16.64		MILES
VAV-B14R_LMR01A00	Long Meadow Run and tributary from the headwaters downstream to its confluence with Christians Creek.	Long Meadow Run	Recreation	Escherichia coli	10.08		MILES
VAV-B14R_CST02A00	Christians Creek from the headwaters downstream to its confluence with Barterbrook Branch.	Christians Creek	Recreation	Fecal Coliform	14.91		MILES
VAV-B14R_CST01A00	Christians Creek from its confluence with Barterbrook Branch downstream to its confluence with Middle River.	Christians Creek	Recreation	Fecal Coliform	16.64		MILES

ID305B	LOCATION	WATER_NAME	USE_DESC	IMPAIRMENT_NAME	RIVER_SIZE	RES-ERVOIR_SIZE	SIZE_UNIT
VAV-B14R_CST01A00	Christians Creek from its confluence with Barterbrook Branch downstream to its confluence with Middle River.	Christians Creek	Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	16.64		MILES
VAV-B14R_CST02A00	Christians Creek from the headwaters downstream to its confluence with Barterbrook Branch.	Christians Creek	Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	14.91		MILES
VAV-B14R_FMC01A00	Folly Mills Creek including tributary from the headwaters downstream to its confluence with Christians Creek.	Folly Mills Creek	Recreation	Fecal Coliform	13.14		MILES
VAV-B14R_LMR01A00	Long Meadow Run and tributary from the headwaters downstream to its confluence with Christians Creek.	Long Meadow Run	Aquatic Life	Temperature, water	10.08		MILES
VAV-B15R_MDL01A00	Middle River from its confluence with Christians Creek downstream to its confluence with North River.	Middle River	Recreation	Fecal Coliform	17.57		MILES
VAV-B15R_PCD01A00	Polecat Draft and tributary from the headwaters downstream to its confluence with Middle River.	Polecat Draft	Recreation	Fecal Coliform	7.47		MILES
VAV-B16L_NTH01A04	Elkhorn Lake	Elkhorn Lake	Aquatic Life	Oxygen, Dissolved		49.63	ACRES
VAV-B16L_NTH01A04	Elkhorn Lake	Elkhorn Lake	Aquatic Life	pH		49.63	ACRES
VAV-B16L_01	Staunton Dam Lake	Staunton Dam Lake	Aquatic Life	Oxygen, Dissolved		23.21	ACRES

ID305B	LOCATION	WATER_NAME	USE_DESC	IMPAIRMENT_NAME	RIVER_SIZE	RES-ERVOIR_SIZE	SIZE_UNIT
VAV-B16L_01	Staunton Dam Lake	Staunton Dam Lake	Aquatic Life	pH		23.21	ACRES
VAV-B16R_NTH01A00	North River from the Staunton Reservoir downstream to its confluence with Little River.	North River	Aquatic Life	pH	6		MILES
VAV-B16R_NTH03A00	North River from the headwaters downstream to the upper end of Elkhorn Lake.	North River	Aquatic Life	pH	16.36		MILES
VAV-B17R_NTH04A00	North River from its confluence with Little River downstream to its confluence with Freemason Run.	North River	Aquatic Life	pH	4.46		MILES
VAV-B16R_NTH02A00	North River from the Elkhorn Lake Dam downstream to the upper end of the Staunton Reservoir.	North River	Aquatic Life	pH	1.21		MILES
VAV-B23R_NTH01A04	North River from its confluence with Naked Creek downstream to its confluence with South River.	North River	Recreation	Escherichia coli	8.79		MILES
VAV-B23R_NTH01A04	North River from its confluence with Naked Creek downstream to its confluence with South River.	North River	Recreation	Fecal Coliform	8.79		MILES
VAV-B17R_TRN01A00	Thorny Branch and tributaries from the headwaters downstream to its confluence with North River.	Thorny Branch	Recreation	Fecal Coliform	7.1		MILES
VAV-B18R_WFR01A02	Wolf Run from the Forest Service Road crossing downstream to its confluence with Briery Branch.	Wolf Run	Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	1.13		MILES
VAV-B18R_WFR02A02	Wolf Run from the headwaters downstream to the Forest Service Road crossing.	Wolf Run	Aquatic Life	Benthic-Macroinvertebrate Bioassessments	1.98		MILES

ID305B	LOCATION	WATER_NAME	USE_DESC	IMPAIRMENT_NAME (Streams)	RIVER_SIZE	RES-ERVOIR_SIZE	SIZE_UNIT
VAV-B18R_WFR01A02	Wolf Run from the Forest Service Road crossing downstream to its confluence with Briery Branch.	Wolf Run	Aquatic Life	pH	1.13		MILES
VAV-B18R_WFR02A02	Wolf Run from the headwaters downstream to the Forest Service Road crossing.	Wolf Run	Aquatic Life	pH	1.98		MILES
VAV-B18R_BRY03A00	Briery Branch from the headwaters downstream to its confluence with Hone Quarry Run.	Briery Branch	Aquatic Life	pH	6.99		MILES
VAV-B19R_MSS02A00	Mossy Creek from the headwaters downstream to the 5 mile upper limit for the PWS designation for the Bridgewater Public Water Intake.	Mossy Creek	Recreation	Escherichia coli	7.91		MILES
VAV-B19R_MSS01A00	Mossy Creek from the 5 mile upper limit for the Bridgewater Public Water Intake downstream to its confluence with North River.	Mossy Creek	Recreation	Escherichia coli	2.21		MILES
VAV-B19R_MSS01A00	Mossy Creek from the 5 mile upper limit for the Bridgewater Public Water Intake downstream to its confluence with North River.	Mossy Creek	Recreation	Fecal Coliform	2.21		MILES
VAV-B19R_MSS02A00	Mossy Creek from the headwaters downstream to the 5 mile upper limit for the PWS designation for the Bridgewater Public Water Intake.	Mossy Creek	Recreation	Fecal Coliform	7.91		MILES

ID305B	LOCATION	WATER_NAME	USE_DESC	IMPAIRMENT_NAME	RIVER_SIZE	RES-ERVOIR_SIZE	SIZE_UNIT
VAV-B19R_MSS02A00	Mossy Creek from the headwaters downstream to the 5 mile upper limit for the PWS designation for the Bridgwater Public Water Intake.	Mossy Creek	Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	7.91		MILES
VAV-B19R_MSS01A00	Mossy Creek from the 5 mile upper limit for the Bridgewater Public Water Intake downstream to its confluence with North River.	Mossy Creek	Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	2.21		MILES
VAV-B23R_NTH01A04	North River from its confluence with Naked Creek downstream to its confluence with South River.	North River	Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	8.79		MILES
VAV-B24R_LGC01A00	Long Glade Creek from the headwaters downstream to its confluence with North River.	Long Glade Creek	Recreation	Fecal Coliform	10.75		MILES
VAV-B28R_NKD01A00	Naked Creek from the headwaters downstream to its confluence with North River.	Naked Creek	Recreation	Escherichia coli	6.85		MILES
VAV-B28R_NKD01A00	Naked Creek from the headwaters downstream to its confluence with North River.	Naked Creek	Recreation	Fecal Coliform	6.85		MILES
VAV-B30R_STH01A00	South River from the headwaters downstream to its confluence with Stony Run.	South River	Recreation	Fecal Coliform	11.79		MILES
VAV-B30R_LOV01A00	Loves Run from the headwaters downstream to its confluence with South River.	Loves Run	Aquatic Life	pH	5.06		MILES
VAV-B30R_PNE01A00	Pine Run and tributaries from the headwaters downstream to its confluence with South River.	Pine Run	Recreation	Escherichia coli	15.76		MILES

ID305B	LOCATION	WATER_NAME	USE_DESC	IMPAIRMENT_NAME	RIVER_SIZE	RES-ERVOIR_SIZE	SIZE_UNIT
VAV-B31R_BCK01A00	Back Creek from the headwaters downstream to its confluence with South River.	Back Creek	Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	13.36		MILES
VAV-B31R_MLS01A02	Mills Creek from the headwaters downstream to its confluence with Back Creek.	Mills Creek	Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	8.5		MILES
VAV-B31R_TMS01A02	Toms Branch from the headwaters downstream to its confluence with an unnamed tributary above the upper end of normal pool of the Toms Branch Dam.	Toms Branch	Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	2.69		MILES
VAV-B31R_CLS01A00	Coles Run from the headwaters downstream to its confluence with South River.	Coles Run	Aquatic Life	pH	6.12		MILES
VAV-B31R_JHN01A00	Johns Run from the headwaters downstream to its confluence with South River.	Johns Run	Aquatic Life	pH	4.89		MILES
VAV-B31R_KND01A00	Kennedy Creek and tributaries from the headwaters downstream to its confluence with Coles Run.	Kennedy Creek	Aquatic Life	pH	8.05		MILES
VAV-B31R_ORE01A02	Orebrank Creek from the headwaters downstream to its confluence with Back Creek.	Orebrank Creek	Aquatic Life	pH	3		MILES
VAV-B32R_STH03A04	South River from the INVISTA discharge downstream to its confluence with Sawmill Run.	South River	Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	5.44		MILES

ID305B	LOCATION	WATER_NAME	USE_DESC	IMPAIRMENT_NAME	RIVER_SIZE	RES-ERVOIR_SIZE	SIZE_UNIT
VAV-B32R_STH02A04	South River from its confluence with Sawmill Run downstream to its confluence with Stull Run.	South River	Recreation	Escherichia coli	13.95		MILES
VAV-B32R_STH05A04	South River from its confluence with Back Creek downstream to its confluence with Coiner Spring intermittent run.	South River	Recreation	Escherichia coli	2.95		MILES
VAV-B32R_STH01A04	South River from its confluence with Stull Run downstream to its confluence with North River.	South River	Recreation	Fecal Coliform	5.32		MILES
VAV-B32R_STH03A04	South River from the INVISTA discharge downstream to its confluence with Sawmill Run.	South River	Recreation	Fecal Coliform	5.44		MILES
VAV-B32R_STH02A04	South River from its confluence with Sawmill Run downstream to its confluence with Stull Run.	South River	Recreation	Fecal Coliform	13.95		MILES
VAV-B32R_PAN01A00	Paine Run from the headwaters downstream to its confluence with South River.	Paine Run	Aquatic Life	pH	6.25		MILES
VAV-B32R_MDW01A00	Meadow Run from the headwaters downstream to the end of surface flow.	Meadow Run	Aquatic Life	pH	6.87		MILES
VAV-B32R_STH03A04	South River from the INVISTA discharge downstream to its confluence with Sawmill Run.	South River	Fish Consumption	Mercury in Fish Tissue	5.44		MILES
VAV-B32R_STH01A04	South River from its confluence with Stull Run downstream to its confluence with North River.	South River	Fish Consumption	Mercury in Fish Tissue	5.32		MILES

ID305B	LOCATION	WATER_NAME	USE_DESC	IMPAIRMENT_NAME	RIVER_SIZE	RES-ERVOIR_SIZE	SIZE_UNIT
VAV-B32R_STH02A04	South River from its confluence with Sawmill Run downstream to its confluence with Stull Run.	South River	Fish Consumption	Mercury in Fish Tissue	13.95		MILES
VAV-I30R_CFP02A00	Calfpasture River from its confluence with Tizzle Branch downstream to its confluence with Brattons Run.	Calfpasture River	Recreation	Escherichia coli	23.6		MILES
VAV-I32R_XMO01A00	Wallace Mill Stream from the Castaline Trout Farm discharge downstream to its confluence with the Little Calfpasture River.	Wallace Mill Stream	Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	1.89		MILES
VAV-I32R_LCF03A00	Little Calfpasture River from the headwaters downstream to its confluence with Smith Creek.	Little Calfpasture River	Recreation	Fecal Coliform	10.33		MILES
VAV-I34R_MOF01A00	Moffatts Creek from the headwaters downstream to its confluence with Hays Creek.	Moffatts Creek	Recreation	Fecal Coliform	7.65		MILES
VAV-I34R_HYS01A00	Hays Creek from its confluence with Moffatts Creek downstream to its confluence with the Maury River.	Hays Creek	Recreation	Fecal Coliform	11.99		MILES
VAV-I34R_HYS01A00	Hays Creek from its confluence with Moffatts Creek downstream to its confluence with the Maury River.	Hays Creek	Aquatic Life	Temperature, water	11.99		MILES
VAV-I34R_MOF01A00	Moffatts Creek from the headwaters downstream to its confluence with Hays Creek.	Moffatts Creek	Aquatic Life	Temperature, water	7.65		MILES

ID305B	LOCATION	WATER_NAME	USE_DESC	IMPAIRMENT_NAME	RIVER_SIZE	RES-ERVOIR_SIZE	SIZE_UNIT
VAV-I34R_WKS01A06	Walker Creek and headwater tributaries from the headwaters downstream to its confluence with Hays Creek	Walker Creek	Recreation	Escherichia coli	11.62		MILES
VAV-I36R_SMR01A00	Saint Marys River from a point 1.77 miles above its confluence with Cellar Hollow downstream to its confluence with Cellar Hollow.	Saint Marys River	Aquatic Life	pH	1.77		MILES