

Table 2.2 Field Survey Stream Impacts  
Revised December 2017

Stream ID	NHD Stream Name <sup>1</sup>	County	Latitude <sup>2</sup>	Longitude <sup>2</sup>	Flow Regime	Water Type <sup>3</sup>	Top of Bank Width (ft)	Cowardin <sup>4</sup>	Stream Designation <sup>5</sup>	RTE <sup>6</sup>	HUC 8	HUC 8 Name	Impact Type	Temporary Impact (linear ft) <sup>7</sup>	Permanent Impact (linear ft) <sup>7</sup>	Temporary Impact Area (square ft)	Permanent Impact Area (square ft)	Depth of fill (ft)	Temporary Fill (cubic yard) <sup>8</sup>	Permanent Fill (cubic yard) <sup>9</sup>	Figure
S-PP14	Kimballton Branch	Giles	37.392796	-80.694250	Perennial	RPW	14	R2RB1	-	-	05050002	Middle New	Permanent Access Road	50	11	700	154	3	78	17	6
S-Q13	Kimballton Branch	Giles	37.374377	-80.682038	Perennial	RPW	15	R2UB1	-	-	05050002	Middle New	Pipeline ROW	90	-	1350	-	10	500	-	17
<b>S-PP14 &amp; S-Q13 Total</b>	<b>Kimballton Branch</b>													<b>140</b>	<b>11</b>	<b>2050</b>	<b>154</b>	<b>-</b>	<b>578</b>	<b>17</b>	
S-PP15	UNT to Kimballton Branch	Giles	37.392640	-80.690062	Perennial	RPW	6	R3UB1	-	-	05050002	Middle New	Permanent Access Road	15	11	90	66	3	10	7	5
S-PP17	UNT to New River	Giles	37.386777	-80.70045	Intermittent	RPW	2	R4SB3	-	-	05050002	Middle New	Permanent Access Road	-	14	-	28	3	-	3	7
S-MN20	UNT to New River	Giles	37.386744	-80.700408	Intermittent	RPW	2	R4SB3	-	-	05050002	Middle New	Permanent Access Road	-	11	-	22	3	-	2	12
S-PP18	Curve Branch	Giles	37.385534	-80.708752	Perennial	RPW	4	R2UB1	-	-	05050002	Middle New	Permanent Access Road	-	19	-	76	3	-	8	9
S-PP19	UNT to Curve Branch	Giles	37.382172	-80.714021	Intermittent	RPW	3	R4SB5	-	-	05050002	Middle New	Permanent Access Road	-	16	-	48	3	-	5	9
S-UU9	Clendennin Creek	Giles	37.381343	-80.719468	Perennial	RPW	5	R2UB1	-	-	05050002	Middle New	Permanent Access Road	-	11	-	55	3	-	6	10
S-HH16	UNT to Clendennin Creek	Giles	37.376315	-80.725811	Intermittent	RPW	5	R4SB2	-	-	05050002	Middle New	Permanent Access Road	55	-	275	-	3	31	-	11
S-Q12	UNT to Kimballton Branch	Giles	37.375311	-80.680878	Ephemeral	NRPW	4	R6	-	-	05050002	Middle New	Pipeline ROW	86	-	344	-	10	127	-	16
S-MN17	UNT to Clendennin Creek	Giles	37.373941	-80.732093	Intermittent	RPW	3	R4SB3	-	-	05050002	Middle New	Permanent Access Road	42	-	126	-	3	14	-	12
S-HH15	UNT to Clendennin Creek	Giles	37.370772	-80.737181	Perennial	RPW	5	R3UB1	-	-	05050002	Middle New	Permanent Access Road	-	14	-	70	3	-	8	13
S-HH14	UNT to Clendennin Creek	Giles	37.370751	-80.73801	Intermittent	RPW	3	R4SB5	-	-	05050002	Middle New	Permanent Access Road	-	14	-	42	3	-	5	13
S-HH13	UNT to Clendennin Creek	Giles	37.366272	-80.744608	Perennial	RPW	8	R3RB2	-	-	05050002	Middle New	Permanent Access Road	-	11	-	88	3	-	10	14
S-HH12	UNT to Clendennin Creek	Giles	37.366134	-80.746301	Ephemeral	NRPW	3	R6	-	-	05050002	Middle New	Permanent Access Road	-	11	-	33	3	-	4	14
S-SS2	UNT to Clendennin Creek	Giles	37.365662	-80.749208	Intermittent	RPW	10	R4SB3	-	-	05050002	Middle New	Permanent Access Road	-	14	-	140	3	-	16	14
S-P6	UNT to Stony Creek	Giles	37.362202	-80.688092	Ephemeral	NRPW	6	R6	-	-	05050002	Middle New	Pipeline ROW	78	-	468	-	10	173	-	20
S-S5-Braid-1	Stony Creek	Giles	37.360276	-80.684193	Ephemeral	NRPW	7	R6	-	Green floater; Candy darter; Pistolgrip	05050002	Middle New	Pipeline ROW	81	-	324	-	10	120	-	21
S-S5-Braid-2	Stony Creek	Giles	37.360325	-80.684214	Ephemeral	NRPW	6	R6	-	Green floater; Candy darter; Pistolgrip	05050002	Middle New	Pipeline ROW	61	-	183	-	10	68	-	21
S-S5	Stony Creek	Giles	37.360071	-80.683960	Perennial	RPW	40	R2UB1	Class V - vi (Stockable)	Green floater; Candy darter; Pistolgrip	05050002	Middle New	Pipeline ROW	78	-	2739	-	10	1014	-	21
<b>S-S5 Total</b>	<b>Stony Creek</b>													<b>220</b>	<b>-</b>	<b>3246</b>	<b>-</b>	<b>-</b>	<b>1202</b>	<b>-</b>	
S-G29	UNT to Dry Branch	Giles	37.350430	-80.658259	Ephemeral	NRPW	4	R6	-	-	05050002	Middle New	Pipeline ROW	30	-	120	-	3	13	-	26
S-G30	UNT to Dry Branch	Giles	37.350373	-80.658230	Ephemeral	NRPW	8	R6	-	-	05050002	Middle New	Pipeline ROW	85	-	680	-	10	252	-	26
S-G32	Dry Branch	Giles	37.349095	-80.652040	Intermittent	RPW	6	R4SB5	-	-	05050002	Middle New	Pipeline ROW	110	-	660	-	10	244	-	27
S-G33	UNT to Dry Branch	Giles	37.348641	-80.647225	Perennial	RPW	8	R3RB2	-	-	05050002	Middle New	Pipeline ROW	99	-	792	-	10	293	-	27
S-G35	UNT to Little Stony Creek	Giles	37.344876	-80.633426	Perennial	RPW	25	R3RB2	Class VI - ii (Good)	-	05050002	Middle New	Pipeline ROW	40	-	1000	-	10	370	-	29
S-G35	UNT to Little Stony Creek	Giles	37.344786	-80.633485	Perennial	RPW	25	R3RB2	Class VI - ii (Good)	-	05050002	Middle New	Pipeline ROW	52	-	1300	-	10	481	-	29
S-G35	UNT to Little Stony Creek	Giles	37.344779	-80.633379	Perennial	RPW	25	R3RB2	Class VI - ii (Good)	-	05050002	Middle New	Pipeline ROW	38	-	950	-	10	352	-	29
<b>S-G35 Total</b>	<b>UNT to Little Stony Creek</b>													<b>130</b>	<b>-</b>	<b>3250</b>	<b>-</b>	<b>-</b>	<b>1204</b>	<b>-</b>	
S-SS4	UNT to Little Stony Creek	Giles	37.344859	-80.631295	Ephemeral	NRPW	3	R6	-	-	05050002	Middle New	Pipeline ROW	78	-	234	-	10	87	-	29
S-Z7	UNT to Little Stony Creek	Giles	37.344278	-80.626185	Intermittent	RPW	3	R4SB3	-	-	05050002	Middle New	Pipeline ROW	76	-	228	-	10	84	-	30
S-Z7-Braid-1	UNT to Little Stony Creek	Giles	37.344277	-80.626113	Ephemeral	NRPW	3	R6	-	-	05050002	Middle New	Pipeline ROW	73	-	219	-	10	81	-	30
<b>S-Z7 &amp; S-Z7-Braid-1 Total</b>	<b>UNT to Little Stony Creek</b>													<b>149</b>	<b>-</b>	<b>447</b>	<b>-</b>	<b>-</b>	<b>166</b>	<b>-</b>	
S-Z9	UNT to Little Stony Creek	Giles	37.344163	-80.628400	Perennial	RPW	4	R3UB1	-	-	05050002	Middle New	Pipeline ROW	86	-	344	-	10	127	-	29
S-Z10	UNT to Little Stony Creek	Giles	37.342351	-80.620823	Intermittent	RPW	12	R4SB3	-	-	05050002	Middle New	Pipeline ROW	76	-	912	-	10	338	-	30
S-Z11	UNT to Little Stony Creek	Giles	37.342236	-80.620542	Perennial	RPW	5	R3UB2	-	-	05050002	Middle New	Pipeline ROW	88	-	440	-	10	163	-	30
S-Z12-EPH	UNT to Little Stony Creek	Giles	37.342214	-80.620312	Ephemeral	RPW	6	R6	-	-	05050002	Middle New	Pipeline ROW	80	-	480	-	10	178	-	30
S-Z13	Little Stony Creek	Giles	37.342172	-80.620090	Perennial	RPW	25	R2RB2	Class VI - ii (Good); Brook & Rainbow Trout	-	05050002	Middle New	Pipeline ROW	77	-	1383	-	10	512	-	30
S-Z14	UNT to Little Stony Creek	Giles	37.340977	-80.618031	Intermittent	RPW	4	R4SB3	-	-	05050002	Middle New	Pipeline ROW	109	-	436	-	10	161	-	31
S-YZ1	Doe Creek	Giles	37.338952	-80.614618	Intermittent	RPW	10	R2RB2	-	-	05050002	Middle New	Temporary Access Road	102	-	1020	-	3	113	-	31
S-YZ1	Doe Creek	Giles	37.337562	-80.614711	Intermittent	RPW	10	R2RB2	-	-	05050002	Middle New	Temporary Access Road	92	-	920	-	3	102	-	31

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S-YZ1	Doe Creek	Giles	37.337048	-80.614625	Intermittent	RPW	10	R2RB2	-	-	05050002	Middle New	Temporary Access Road	121	-	1210	-	3	134	-	31
S-Y2	Doe Creek	Giles	37.331332	-80.583047	Perennial	RPW	25	R2UB2	-	-	05050002	Middle New	Pipeline ROW	79	-	1975	-	10	731	-	36
<b>S-YZ1 &amp; S-Y2 Total</b>	<b>Doe Creek</b>													<b>394</b>	<b>-</b>	<b>5125</b>	<b>-</b>	<b>-</b>	<b>1081</b>	<b>-</b>	
S-A34	UNT to Doe Creek	Giles	37.337763	-80.606008	Ephemeral	NRPW	7	R6	-	-	05050002	Middle New	Pipeline ROW	86	-	602	-	10	223	-	33
S-A33	UNT to Doe Creek	Giles	37.337639	-80.605571	Ephemeral	NRPW	7	R6	-	-	05050002	Middle New	Pipeline ROW	111	-	777	-	10	288	-	33
S-A32	UNT to Doe Creek	Giles	37.335094	-80.596868	Perennial	RPW	16	R3RB1	-	-	05050002	Middle New	Pipeline ROW	78	-	1248	-	10	462	-	34
S-QQ2	Sinking Creek	Craig	37.333152	-80.429438	Perennial	RPW	35	R2UB1	Class V - vi (Stockable)	-	05050002	Middle New	Temporary Access Road	40	-	1400	-	3	156	-	67
S-NN17	Sinking Creek	Giles	37.311616	-80.515786	Perennial	RPW	55	R2UB1	Class V - v (Stockable)	-	05050002	Middle New	Pipeline ROW	77	-	2620	-	10	970	-	50
<b>S-QQ2 &amp; S-NN17 Total</b>	<b>Sinking Creek</b>													<b>117</b>	<b>-</b>	<b>4020</b>	<b>-</b>	<b>-</b>	<b>1126</b>	<b>-</b>	
S-MN11-Upstream	UNT to Sinking Creek	Giles	37.332869	-80.559168	Ephemeral	NRPW	4	R6	-	-	05050002	Middle New	Temporary Access Road	15	-	60	-	3	7	-	39
S-MN11-Downstream	UNT to Sinking Creek	Giles	37.332191	-80.559979	Ephemeral	NRPW	4	R6	-	-	05050002	Middle New	Temporary Access Road	30	-	120	-	3	13	-	39
<b>S-MN11 Total</b>	<b>UNT to Sinking Creek</b>													<b>82</b>	<b>-</b>	<b>365</b>	<b>-</b>	<b>-</b>	<b>41</b>	<b>-</b>	
S-Y3	UNT to Doe Creek	Giles	37.331748	-80.583355	Ephemeral	NRPW	10	R6	-	-	05050002	Middle New	Pipeline ROW	77	-	770	-	10	285	-	36
S-PP4	UNT to Sinking Creek	Craig	37.328329	-80.422810	Intermittent	RPW	2	R4SB5	-	-	05050002	Middle New	Pipeline ROW	84	-	168	-	10	62	-	65
S-PP3	UNT to Sinking Creek	Craig	37.326705	-80.425803	Perennial	RPW	3	R3UB1	-	-	05050002	Middle New	Pipeline ROW	82	-	246	-	10	91	-	65
S-RR4	UNT to Sinking Creek	Giles	37.326015	-80.556831	Perennial	RPW	3	R3RB2	-	-	05050002	Middle New	Temporary Access Road	85	-	255	-	3	28	-	42
S-E24	UNT to Sinking Creek	Giles	37.325728	-80.565082	Perennial	RPW	20	R3UB2	-	-	05050002	Middle New	Pipeline ROW	81	-	1620	-	10	600	-	38
S-E25-Downstream	UNT to Sinking Creek	Giles	37.325638	-80.564680	Perennial	RPW	8	R3RB2	-	-	05050002	Middle New	Pipeline ROW	96	-	768	-	10	284	-	38
S-E25-Upstream	UNT to Sinking Creek	Giles	37.325607	-80.564373	Perennial	RPW	10	R3UB1	-	-	05050002	Middle New	Pipeline ROW	15	-	150	-	3	17	-	38
S-E25-Downstream	UNT to Sinking Creek	Giles	37.325605	-80.564465	Perennial	RPW	8	R3RB2	-	-	05050002	Middle New	Pipeline ROW	48	-	384	-	10	142	-	38
S-E25-Downstream	UNT to Sinking Creek	Giles	37.325566	-80.564634	Perennial	RPW	8	R3RB2	-	-	05050002	Middle New	Pipeline ROW	63	-	504	-	10	187	-	38
<b>S-E25 Total</b>	<b>UNT to Sinking Creek</b>													<b>222</b>	<b>-</b>	<b>1806</b>	<b>-</b>	<b>-</b>	<b>630</b>	<b>-</b>	
S-PP1	UNT to Sinking Creek	Craig	37.324781	-80.431446	Intermittent	RPW	3	R4SB3	-	-	05050002	Middle New	Pipeline ROW	86	-	258	-	10	96	-	64
S-RR5	UNT to Sinking Creek	Giles	37.323702	-80.555627	Perennial	RPW	10	R3UB2	-	-	05050002	Middle New	Pipeline ROW	83	-	830	-	10	307	-	41
S-IJ19	UNT to Sinking Creek	Giles	37.322194	-80.553058	Ephemeral	NRPW	4	R6	-	-	05050002	Middle New	Temporary Access Road	43	-	172	-	3	19	-	41
S-IJ19	UNT to Sinking Creek	Giles	37.321823	-80.55311	Ephemeral	NRPW	4	R6	-	-	05050002	Middle New	Temporary Access Road	9	-	36	-	3	4	-	41
<b>S-IJ19 Total</b>	<b>UNT to Sinking Creek</b>													<b>52</b>	<b>-</b>	<b>208</b>	<b>-</b>	<b>-</b>	<b>23</b>	<b>-</b>	
S-IJ18	UNT to Sinking Creek	Giles	37.321756	-80.553011	Intermittent	RPW	4	R4SB2	-	-	05050002	Middle New	Temporary Access Road	44	-	176	-	3	20	-	41
S-PP22	UNT to Craig Creek	Montgomery	37.321090	-80.412831	Intermittent	RPW	2.5	R4SB5	-	-	02080201	Upper James	Pipeline ROW	83	-	207.5	-	3	23	-	70
S-CD14	UNT to Sinking Creek	Craig	37.320922	-80.435866	Ephemeral	NRPW	5.5	R6	-	-	05050002	Middle New	Pipeline ROW	6	-	33	-	3	4	-	64
S-OO12	UNT to Sinking Creek	Giles	37.318956	-80.440648	Ephemeral	NRPW	2	R6	-	-	05050002	Middle New	Pipeline ROW	25	-	50	-	3	6	-	63
S-OO13	UNT to Sinking Creek	Giles	37.318930	-80.440930	Perennial	RPW	20	R3RB2	-	-	05050002	Middle New	Pipeline ROW	77	-	1540	-	10	570	-	63
S-OO14	UNT to Sinking Creek	Giles	37.318647	-80.441619	Perennial	RPW	4	R3RB2	-	-	05050002	Middle New	Pipeline ROW	86	-	344	-	10	127	-	63
S-IJ17	UNT to Sinking Creek	Giles	37.318324	-80.547720	Ephemeral	NRPW	8	R6	-	-	05050002	Middle New	Pipeline ROW	31	-	248	-	3	28	-	44
S-IJ16-b	UNT to Sinking Creek	Giles	37.318246	-80.547711	Ephemeral	NRPW	10	R6	-	-	05050002	Middle New	Pipeline ROW	78	-	780	-	10	289	-	44
S-PP21	UNT to Craig Creek	Montgomery	37.317187	-80.409235	Perennial	RPW	4	R3UB1	-	-	02080201	Upper James	Pipeline ROW	97	-	388	-	10	144	-	70
S-PP20	UNT to Craig Creek	Montgomery	37.316523	-80.408646	Perennial	RPW	6	R3UB1	-	-	02080201	Upper James	Pipeline ROW	89	-	534	-	10	198	-	70
S-RR13	Craig Creek	Montgomery	37.314504	-80.402613	Perennial	RPW	35	R2UB1	Class V - vi (Stockable)	James spiny mussel; Atlantic pigtoe	02080201	Upper James	Temporary Access Road	41	-	1435	-	3	159	-	71
S-OO6	Craig Creek	Montgomery	37.313511	-80.404606	Perennial	RPW	35	R2UB1	Class V - vi (Stockable)	James spiny mussel; Atlantic pigtoe	02080201	Upper James	Pipeline ROW	76	-	2286	-	10	847	-	71
<b>S-RR13 &amp; S-OO6 Total</b>	<b>Craig Creek</b>													<b>117</b>	<b>-</b>	<b>3721</b>	<b>-</b>	<b>-</b>	<b>1006</b>	<b>-</b>	
S-HH18	UNT to Craig Creek	Montgomery	37.313910	-80.398683	Perennial	RPW	6	R3RB1	-	James spiny mussel; Atlantic pigtoe	02080201	Upper James	Pipeline ROW	78	-	468	-	10	173	-	72
S-RR14	UNT to Craig Creek	Montgomery	37.313615	-80.402521	Ephemeral	NRPW	7	R6	-	-	02080201	Upper James	Pipeline ROW	78	-	546	-	10	202	-	71

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S-QQ3	UNT to Sinking Creek	Giles	37.311869	-80.532365	Ephemeral	NRPW	2	R6	-	-	05050002	Middle New	Temporary Access Road	106	-	212	-	3	24	-	46
S-QQ3	UNT to Sinking Creek	Giles	37.311306	-80.532112	Ephemeral	NRPW	2	R6	-	-	05050002	Middle New	Temporary Access Road	79	-	158	-	3	18	-	46
S-QQ3-b	UNT to Sinking Creek	Giles	37.310375	-80.532266	Ephemeral	NRPW	4.5	R6	-	-	05050002	Middle New	Temporary Access Road	2	-	9	-	3	1	-	47
<b>S-QQ3 Total</b>	<b>UNT to Sinking Creek</b>													<b>187</b>	<b>-</b>	<b>379</b>	<b>-</b>	<b>-</b>	<b>42</b>	<b>-</b>	
S-IJ16-a	UNT to Sinking Creek	Giles	37.311730	-80.544091	Ephemeral	NRPW	7	R6	-	-	05050002	Middle New	Permanent Access Road	6	45	42	315	3	5	35	45
S-KL43	UNT to Sinking Creek	Giles	37.307524	-80.466665	Perennial	RPW	10	R3UB1	-	-	05050002	Middle New	Pipeline ROW	75	-	750	-	10	278	-	59
S-NN11	UNT to Sinking Creek	Giles	37.305508	-80.467231	Intermittent	RPW	5	R4SB1	-	-	05050002	Middle New	Pipeline ROW	84	-	420	-	10	156	-	59
S-NN12	UNT to Sinking Creek	Giles	37.300454	-80.472911	Ephemeral	NRPW	2	R6	-	-	05050002	Middle New	Pipeline ROW	88	-	176	-	10	65	-	57
S-MN21	UNT to Mill Creek	Montgomery	37.299397	-80.391243	Perennial	RPW	7	R3US1	-	-	03010101	Upper Roanoke	Pipeline ROW	80	-	560	-	10	207	-	74
S-MM17	UNT to Sinking Creek	Giles	37.298226	-80.480624	Perennial	RPW	2	R3UB1	-	-	05050002	Middle New	Temporary Access Road	49	-	98	-	3	11	-	55
S-MN22	UNT to Mill Creek	Montgomery	37.297166	-80.386612	Ephemeral	NRPW	2	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	96	-	192	-	10	71	-	75
S-RR2	Greenbriar Branch	Giles	37.296666	-80.494174	Perennial	RPW	8	R3RB2	-	-	05050002	Middle New	Pipeline ROW	85	-	680	-	10	252	-	53
S-YZ6	UNT to Greenbriar Branch	Giles	37.296612	-80.494165	Intermittent	RPW	6	R4SB5	-	-	05050002	Middle New	Pipeline ROW	38	-	228	-	3	25	-	53
S-EF62	UNT to Mill Creek	Montgomery	37.296356	-80.375118	Perennial	RPW	11	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	76	-	836	-	10	310	-	76
S-MM18	UNT to Sinking Creek	Giles	37.296226	-80.481455	Ephemeral	NRPW	5	R6	-	-	05050002	Middle New	Pipeline ROW	88	-	440	-	10	163	-	55
S-IJ52	UNT to Mill Creek	Montgomery	37.296153	-80.367510	Perennial	RPW	16	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	84	-	1344	-	10	498	-	77
S-EF65	Mill Creek	Montgomery	37.295743	-80.375921	Intermittent	RPW	6	R4SB3	Class VI - ii (Good); Brown Trout	Orangefin madtom	03010101	Upper Roanoke	Pipeline ROW	152	-	912	-	10	338	-	76
S-IJ43	Mill Creek	Roanoke	37.138636	-80.139715	Perennial	RPW	18	R2UB2	Class V - vi (Stockable)	Orangefin madtom	03010101	Upper Roanoke	Pipeline ROW	78	-	1182	-	10	438	-	141
<b>S-EF65 &amp; S-IJ43 Total</b>	<b>Mill Creek</b>													<b>230</b>	<b>-</b>	<b>2094</b>	<b>-</b>	<b>-</b>	<b>776</b>	<b>-</b>	
S-AD1	UNT to Dry Run	Montgomery	37.291414	-80.335537	Intermittent	RPW	3	R4SB5	-	-	03010101	Upper Roanoke	Temporary Access Road	9	-	27	-	3	3	-	81
S-AD1	UNT to Dry Run	Montgomery	37.291127	-80.336628	Intermittent	RPW	3	R4SB5	-	-	03010101	Upper Roanoke	Temporary Access Road	158	-	474	-	3	53	-	81
<b>S-AD1</b>	<b>UNT to Dry Run</b>													<b>167</b>	<b>-</b>	<b>501</b>	<b>-</b>	<b>-</b>	<b>56</b>	<b>-</b>	
S-OO10	Bradshaw Creek	Montgomery	37.274247	-80.251506	Perennial	RPW	15	R2UB1	-	Roanoke logperch; Orangefin madtom	03010101	Upper Roanoke	Temporary Access Road	41	-	615	-	3	68	-	105
S-OO9	UNT to Bradshaw Creek	Montgomery	37.271766	-80.248788	Intermittent	RPW	3	R4SB3	-	-	03010101	Upper Roanoke	Temporary Access Road	41	-	123	-	3	14	-	105
S-G36	North Fork Roanoke River	Montgomery	37.268586	-80.313161	Perennial	RPW	20	R2UB1	-	Roanoke logperch; Orangefin madtom	03010101	Upper Roanoke	Permanent Access Road	26	-	520	-	3	58	-	89
S-G36	North Fork Roanoke River	Montgomery	37.268562	-80.314416	Perennial	RPW	20	R2UB1	-	Roanoke logperch; Orangefin madtom	03010101	Upper Roanoke	Pipeline ROW	94	-	1687	-	10	625	-	89
<b>S-G36 Total</b>	<b>North Fork Roanoke River</b>													<b>120</b>	<b>-</b>	<b>2207</b>	<b>-</b>	<b>-</b>	<b>683</b>	<b>-</b>	
S-G38	UNT to North Fork Roanoke River	Montgomery	37.267002	-80.312898	Ephemeral	NRPW	3	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	89	-	267	-	10	99	-	89
S-G40	UNT to North Fork Roanoke River	Montgomery	37.264882	-80.307302	Perennial	RPW	3	R3RB2	-	-	03010101	Upper Roanoke	Pipeline ROW	117	-	351	-	10	130	-	90
S-PP23	UNT to North Fork Roanoke River	Montgomery	37.264858	-80.307151	Ephemeral	NRPW	2.5	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	85	-	212.5	-	10	79	-	90
S-G39	UNT to North Fork Roanoke River	Montgomery	37.264817	-80.308486	Intermittent	RPW	6	R4SB1	-	-	03010101	Upper Roanoke	Pipeline ROW	82	-	492	-	10	182	-	90
S-MM14	UNT to Flatwoods Branch	Montgomery	37.258717	-80.293210	Ephemeral	NRPW	7	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	105	-	735	-	10	272	-	94
S-MM15	UNT to Flatwoods Branch	Montgomery	37.258673	-80.296446	Intermittent	RPW	6	R4SB4	-	-	03010101	Upper Roanoke	Pipeline ROW	82	-	492	-	10	182	-	94
S-MM11	UNT to Flatwoods Branch	Montgomery	37.258403	-80.288186	Ephemeral	NRPW	8	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	80	-	640	-	10	237	-	95
S-F15	UNT to Flatwoods Branch	Montgomery	37.258198	-80.286029	Intermittent	RPW	6	R4SB3	-	-	03010101	Upper Roanoke	Pipeline ROW	129	-	774	-	10	287	-	95
S-MM13	UNT to Flatwoods Branch	Montgomery	37.258176	-80.289222	Ephemeral	NRPW	5	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	85	-	425	-	10	157	-	94
S-F16a/F16b	UNT to Flatwoods Branch	Montgomery	37.257998	-80.284735	Ephemeral	NRPW	3	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	81	-	243	-	10	90	-	95
S-C36	UNT to Flatwoods Branch	Montgomery	37.257260	-80.281611	Intermittent	RPW	3	R4SB4	-	-	03010101	Upper Roanoke	Pipeline ROW	96	-	288	-	10	107	-	95
S-C36	UNT to Flatwoods Branch	Montgomery	37.257133	-80.281475	Intermittent	RPW	3	R4SB4	-	-	03010101	Upper Roanoke	Pipeline ROW	36	-	108	-	10	40	-	95
<b>S-C36 Total</b>	<b>UNT to Flatwoods Branch</b>													<b>132</b>	<b>-</b>	<b>396</b>	<b>-</b>	<b>-</b>	<b>147</b>	<b>-</b>	
S-C33	UNT to Flatwoods Branch	Montgomery	37.257205	-80.281765	Perennial	RPW	6	R3UB3	-	-	03010101	Upper Roanoke	Pipeline ROW	23	-	138	-	3	15	-	95
S-MM31	UNT to Flatwoods Branch	Montgomery	37.256959	-80.280329	Ephemeral	NRPW	4	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	81	-	324	-	10	120	-	95
S-C29	Flatwoods Branch	Montgomery	37.256387	-80.278021	Ephemeral	NRPW	1.2	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	46	-	55.2	-	10	20	-	96

Table 2.2 Field Survey Stream Impacts  
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Stream ID	NHD Stream Name <sup>1</sup>	County	Latitude <sup>2</sup>	Longitude <sup>2</sup>	Flow Regime	Water Type <sup>3</sup>	Top of Bank Width (ft)	Cowardin <sup>4</sup>	Stream Designation <sup>5</sup>	RTE <sup>6</sup>	HUC 8	HUC 8 Name	Impact Type	Temporary Impact (linear ft) <sup>7</sup>	Permanent Impact (linear ft) <sup>7</sup>	Temporary Impact Area (square ft)	Permanent Impact Area (square ft)	Depth of fill (ft)	Temporary Fill (cubic yard) <sup>8</sup>	Permanent Fill (cubic yard) <sup>9</sup>	Figure
S-C25	UNT to Bradshaw Creek	Montgomery	37.254342	-80.267895	Intermittent	RPW	3	R4SB3	-	-	03010101	Upper Roanoke	Pipeline ROW	115	-	345	-	10	128	-	97
S-C24	UNT to Bradshaw Creek	Montgomery	37.254135	-80.266743	Intermittent	RPW	3	R4SB1	-	-	03010101	Upper Roanoke	Pipeline ROW	108	-	324	-	10	120	-	97
S-C21	Bradshaw Creek	Montgomery	37.251791	-80.258990	Perennial	RPW	25	R2UB1	-	Roanoke logperch; Orangefin madtom	03010101	Upper Roanoke	Pipeline ROW	89	-	1983	-	10	734	-	99
S-OO11	UNT to Bradshaw Creek	Montgomery	37.251660	-80.257426	Ephemeral	NRPW	2	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	258	-	516	-	10	191	-	99
S-MN34	UNT to Roanoke River	Roanoke	37.250443	-80.204941	Intermittent	RPW	5	R4SB3	-	-	03010101	Upper Roanoke	Permanent Access Road	4	57	20	285	3	2	32	113
S-MN33	UNT to Roanoke River	Roanoke	37.24955	-80.206204	Ephemeral	NRPW	5	R6	-	-	03010101	Upper Roanoke	Permanent Access Road	5	41	25	205	3	3	23	112
S-MN32	UNT to Roanoke River	Montgomery	37.248577	-80.207762	Perennial	RPW	11	R3UB1	-	-	03010101	Upper Roanoke	Permanent Access Road	9	55	99	605	3	11	67	112
S-OO16	UNT to Roanoke River	Montgomery	37.245214	-80.208659	Perennial	RPW	4	R3RB	-	-	03010101	Upper Roanoke	Pipeline ROW	76	-	304	-	10	113	-	114
S-NN19	UNT to Roanoke River	Montgomery	37.244319	-80.206995	Intermittent	RPW	3.5	R4SB3	-	-	03010101	Upper Roanoke	Pipeline ROW	76	-	266	-	10	99	-	114
S-NN16	Roanoke River	Montgomery	37.233402	-80.197942	Perennial	TNW	70	R2UB1	Class V - ***	Roanoke logperch; Orangefin madtom	03010101	Upper Roanoke	Pipeline ROW	86	-	4308	-	10	1596	-	118
S-AB16	UNT to Roanoke River	Montgomery	37.231693	-80.198778	Intermittent	RPW	5	R4SB5	-	-	03010101	Upper Roanoke	Pipeline ROW	75	-	375	-	10	139	-	118
S-I1	UNT to Roanoke River	Montgomery	37.231179	-80.198460	Intermittent	RPW	14	R4SB3	-	-	03010101	Upper Roanoke	Pipeline ROW	75	-	1050	-	10	389	-	118
S-CD12	UNT to South Fork Roanoke River	Montgomery	37.228043	-80.200000	Perennial	RPW	18	R3UB3	-	-	03010101	Upper Roanoke	Pipeline ROW	74	-	1332	-	10	493	-	119
S-EF19	UNT to Indian Run	Montgomery	37.216102	-80.197390	Ephemeral	NRPW	5	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	79	-	395	-	10	146	-	120
S-EF20a	UNT to Roanoke River	Montgomery	37.210922	-80.193318	Perennial	RPW	6	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	109	-	654	-	10	242	-	121
S-MM22	UNT to Roanoke River	Montgomery	37.205284	-80.187282	Perennial	RPW	15	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	175	-	2625	-	10	972	-	123
S-IJ50	UNT to Roanoke River	Roanoke	37.194064	-80.167933	Perennial	RPW	25	R3RB1	-	-	03010101	Upper Roanoke	Pipeline ROW	77	-	1925	-	10	713	-	127
S-Y13	UNT to Bottom Creek	Roanoke	37.187687	-80.151146	Intermittent	RPW	8	R4SB3	-	-	03010101	Upper Roanoke	Pipeline ROW	85	-	680	-	10	252	-	130
S-Y14	UNT to Bottom Creek	Roanoke	37.187568	-80.151049	Perennial	RPW	14	R3UB1	Class VI - ii (Good); Brook Trout	Orangefin madtom	03010101	Upper Roanoke	Pipeline ROW	77	-	1078	-	10	399	-	130
S-EF34	UNT to Bottom Creek	Roanoke	37.180909	-80.143500	Perennial	RPW	10	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	138	-	1380	-	10	511	-	132
S-EF34	UNT to Bottom Creek	Roanoke	37.180332	-80.140475	Perennial	RPW	10	R3UB1	-	-	03010101	Upper Roanoke	ATWS	17	-	170	-	3	19	-	132
<b>S-EF34 Total</b>	<b>UNT to Bottom Creek</b>													<b>155</b>	<b>-</b>	<b>1550</b>	<b>-</b>	<b>-</b>	<b>530</b>	<b>-</b>	
S-EF35	UNT to Bottom Creek	Roanoke	37.179397	-80.141344	Intermittent	RPW	8	R4SB3	-	-	03010101	Upper Roanoke	Pipeline ROW	111	-	888	-	10	329	-	132
S-EF33	UNT to Bottom Creek	Roanoke	37.179186	-80.141000	Intermittent	RPW	9	R4SB3	-	-	03010101	Upper Roanoke	Pipeline ROW	148	-	1332	-	10	493	-	132
S-IJ81	UNT to Bottom Creek	Roanoke	37.172484	-80.138972	Intermittent	RPW	3	R4SB4	-	-	03010101	Upper Roanoke	Pipeline ROW	14	-	42	-	3	5	-	133
S-IJ82	UNT to Bottom Creek	Roanoke	37.170458	-80.138216	Intermittent	RPW	15	R4SB4	-	-	03010101	Upper Roanoke	Pipeline ROW	224	-	3360	-	10	1244	-	134
S-IJ85	UNT to Bottom Creek	Roanoke	37.169474	-80.130356	Perennial	RPW	8	R3UB2	-	-	03010101	Upper Roanoke	Permanent Access Road	-	50	-	400	3	-	44	135
S-IJ83	UNT to Bottom Creek	Roanoke	37.169211	-80.138258	Intermittent	RPW	5	R4SB4	-	-	03010101	Upper Roanoke	Pipeline ROW	361	-	1805	-	10	669	-	135
S-IJ88	Bottom Creek	Roanoke	37.168395	-80.138295	Perennial	RPW	20	R3UB1	Class VI - ii (Good); Brook Trout	-	03010101	Upper Roanoke	Pipeline ROW	98	-	1960	-	10	726	-	134
S-IJ84	UNT to Bottom Creek	Roanoke	37.168361	-80.138381	Perennial	RPW	15	R3UB2	-	-	03010101	Upper Roanoke	Pipeline ROW	35	-	525	-	3	58	-	134
S-IJ89	UNT to Bottom Creek	Roanoke	37.165862	-80.139317	Perennial	RPW	10	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	79	-	790	-	10	293	-	134
S-IJ90	UNT to Bottom Creek	Roanoke	37.165685	-80.139378	Intermittent	RPW	5	R4SB3	-	-	03010101	Upper Roanoke	Pipeline ROW	78	-	390	-	10	144	-	134
S-KL25	UNT to Mill Creek	Roanoke	37.160173	-80.134799	Intermittent	RPW	5	R4SB5	-	-	03010101	Upper Roanoke	Pipeline ROW	82	-	410	-	10	152	-	136
S-ST9b	UNT to Mill Creek	Roanoke	37.154424	-80.129179	Perennial	RPW	15	R3UB2	-	-	03010101	Upper Roanoke	Pipeline ROW	89	-	1335	-	10	494	-	137
S-EF51	UNT to Bottom Creek	Roanoke	37.150901	-80.138742	Intermittent	RPW	3	R4SB3	-	-	03010101	Upper Roanoke	Temporary Access Road	44	-	132	-	3	15	-	139
S-KL55	UNT to Mill Creek	Roanoke	37.150009	-80.13246	Perennial	RPW	15	R3UB2	-	-	03010101	Upper Roanoke	Pipeline ROW	82	-	1230	-	10	456	-	138
S-MN27	UNT to Bottom Creek	Roanoke	37.149753	-80.138125	Ephemeral	NRPW	2	R6	-	-	03010101	Upper Roanoke	Temporary Access Road	11	-	22	-	3	2	-	139
S-EF52	UNT to Bottom Creek	Roanoke	37.149741	-80.138067	Intermittent	RPW	8	R4SB3	-	-	03010101	Upper Roanoke	Temporary Access Road	390	-	3120	-	3	347	-	139
S-IJ12	UNT to Mill Creek	Roanoke	37.148333	-80.133919	Perennial	RPW	13	R3UB2	-	-	03010101	Upper Roanoke	Pipeline ROW	83	-	1079	-	10	400	-	138
S-EF44	UNT to Bottom Creek	Roanoke	37.143003	-80.138399	Intermittent	RPW	7	R4SB3	-	-	03010101	Upper Roanoke	Pipeline ROW	76	-	532	-	10	197	-	140
S-Y9	UNT to Mill Creek	Roanoke	37.134576	-80.137649	Intermittent	RPW	4	R4SB5	-	-	03010101	Upper Roanoke	Pipeline ROW	44	-	176	-	3	20	-	142
S-Y7	UNT to Mill Creek	Roanoke	37.134481	-80.137622	Intermittent	RPW	4	R4SB5	-	-	03010101	Upper Roanoke	Pipeline ROW	173	-	692	-	10	256	-	142
S-Y8	UNT to Mill Creek	Roanoke	37.134176	-80.137484	Perennial	RPW	4	R3UB3	-	-	03010101	Upper Roanoke	Pipeline ROW	84	-	336	-	10	124	-	142

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Stream ID	NHD Stream Name <sup>1</sup>	County	Latitude <sup>2</sup>	Longitude <sup>2</sup>	Flow Regime	Water Type <sup>3</sup>	Top of Bank Width (ft)	Cowardin <sup>4</sup>	Stream Designation <sup>5</sup>	RTE <sup>6</sup>	HUC 8	HUC 8 Name	Impact Type	Temporary Impact (linear ft) <sup>7</sup>	Permanent Impact (linear ft) <sup>7</sup>	Temporary Impact Area (square ft)	Permanent Impact Area (square ft)	Depth of fill (ft)	Temporary Fill (cubic yard) <sup>8</sup>	Permanent Fill (cubic yard) <sup>9</sup>	Figure
S-B22	UNT to Mill Creek	Roanoke	37.128922	-80.133769	Perennial	RPW	4	R3UB2	-	-	03010101	Upper Roanoke	Pipeline ROW	107	-	428	-	10	159	-	145
S-B23	UNT to Mill Creek	Roanoke	37.128853	-80.133910	Intermittent	RPW	2	R4SB4	-	-	03010101	Upper Roanoke	Pipeline ROW	14	-	28	-	3	3	-	145
S-B25	UNT to Mill Creek	Roanoke	37.128490	-80.132601	Ephemeral	NRPW	5	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	147	-	735	-	10	272	-	145
S-B21	UNT to Mill Creek	Roanoke	37.128484	-80.130943	Perennial	RPW	4	R3UB2	-	-	03010101	Upper Roanoke	Pipeline ROW	92	-	368	-	10	136	-	145
S-H1	Green Creek	Franklin	37.127733	-80.116787	Perennial	RPW	10	R2UB2	-	Orangefin madtom	03010101	Upper Roanoke	Pipeline ROW	78	-	780	-	10	289	-	147
S-G26	UNT to Green Creek	Franklin	37.127077	-80.111387	Intermittent	RPW	7	R4RB2	-	-	03010101	Upper Roanoke	Pipeline ROW	79	-	553	-	10	205	-	148
S-G27	UNT to Green Creek	Franklin	37.126962	-80.111052	Perennial	RPW	7	R3RB2	-	-	03010101	Upper Roanoke	Pipeline ROW	79	-	553	-	10	205	-	148
S-G24	UNT to Green Creek	Franklin	37.126412	-80.121398	Intermittent	RPW	6	R4RB3	-	-	03010101	Upper Roanoke	Pipeline ROW	75	-	450	-	10	167	-	147
S-G25	UNT to Green Creek	Franklin	37.125398	-80.121401	Intermittent	RPW	7	R4RB4	-	-	03010101	Upper Roanoke	Pipeline ROW	42	-	294	-	3	33	-	147
S-RR18	UNT to Green Creek	Franklin	37.125055	-80.113578	Intermittent	RPW	2	R3UB3	-	-	03010101	Upper Roanoke	Permanent Access Road	8	-	16	-	3	2	-	148
S-D8	North Fork Blackwater River	Franklin	37.123098	-80.074673	Perennial	RPW	18	R2UB1	-	Roanoke logperch	03010101	Upper Roanoke	Pipeline ROW	78	-	942	-	10	349	-	153 & 154
S-D9	UNT to North Fork Blackwater River	Franklin	37.123074	-80.07596	Intermittent	RPW	7	R4RB4	-	-	03010101	Upper Roanoke	ATWS	25	-	175	-	3	19	-	153
S-D9	UNT to North Fork Blackwater River	Franklin	37.122702	-80.075859	Intermittent	RPW	7	R4RB4	-	-	03010101	Upper Roanoke	ATWS	25	-	175	-	3	19	-	153
S-D9	UNT to North Fork Blackwater River	Franklin	37.122585	-80.075797	Intermittent	RPW	7	R4RB4	-	-	03010101	Upper Roanoke	Pipeline ROW	80	-	560	-	10	207	-	153
<b>S-D9 Total</b>	<b>UNT to North Fork Blackwater River</b>													<b>130</b>	<b>-</b>	<b>910</b>	<b>-</b>	<b>-</b>	<b>246</b>	<b>-</b>	
S-D10	UNT to North Fork Blackwater River	Franklin	37.122301	-80.075957	Intermittent	RPW	8	R4RB3	-	-	03010101	Upper Roanoke	Pipeline ROW	77	-	616	-	10	228	-	153
S-D11	UNT to North Fork Blackwater River	Franklin	37.121687	-80.083866	Perennial	RPW	10	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	81	-	810	-	10	300	-	152
S-D12	UNT to North Fork Blackwater River	Franklin	37.121558	-80.085642	Intermittent	RPW	6	R4RB4	-	-	03010101	Upper Roanoke	Pipeline ROW	54	-	324	-	10	120	-	152
S-MM26	UNT to North Fork Blackwater River	Franklin	37.12155	-80.07619	Perennial	RPW	7	R3UB2	-	-	03010101	Upper Roanoke	Pipeline ROW	78	-	546	-	10	202	-	153
S-MM26	UNT to North Fork Blackwater River	Franklin	37.121211	-80.08152	Perennial	RPW	7	R3UB2	-	-	03010101	Upper Roanoke	Pipeline ROW	92	-	644	-	10	239	-	153
<b>S-MM26 Total</b>	<b>UNT to North Fork Blackwater River</b>													<b>170</b>	<b>-</b>	<b>1190</b>	<b>-</b>	<b>-</b>	<b>441</b>	<b>-</b>	
S-D13	UNT to North Fork Blackwater River	Franklin	37.121513	-80.085680	Intermittent	RPW	4	R4RB4	-	-	03010101	Upper Roanoke	Pipeline ROW	117	-	468	-	10	173	-	152
S-D17	UNT to North Fork Blackwater River	Franklin	37.121324	-80.087926	Intermittent	RPW	7	R4RB3	-	-	03010101	Upper Roanoke	Pipeline ROW	542	-	3794	-	10	1405	-	152
S-D17	UNT to North Fork Blackwater River	Franklin	37.121108	-80.087060	Intermittent	RPW	7	R4RB3	-	-	03010101	Upper Roanoke	Permanent Access Road	31	34	217	238	3	24	26	152
S-D17	UNT to North Fork Blackwater River	Franklin	37.121103	-80.086852	Intermittent	RPW	7	R4RB3	-	-	03010101	Upper Roanoke	Pipeline ROW	61	-	427	-	10	158	-	152
<b>S-D17 Total</b>	<b>UNT to North Fork Blackwater River</b>													<b>634</b>	<b>34</b>	<b>4438</b>	<b>238</b>	<b>-</b>	<b>1587</b>	<b>-</b>	
S-II4	UNT to North Fork Blackwater River	Franklin	37.115679	-80.060300	Perennial	RPW	15	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	80	-	1200	-	10	444	-	156
S-EF18	UNT to Green Creek	Franklin	37.114845	-80.097650	Intermittent	RPW	2	R4SB3	-	-	03010101	Upper Roanoke	ATWS	95	-	190	-	3	21	-	151
S-GH7	UNT to North Fork Blackwater River	Franklin	37.106614	-80.054219	Perennial	RPW	9	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	119	-	1071	-	10	397	-	158
S-GH15	UNT to North Fork Blackwater River	Franklin	37.106177	-80.050105	Intermittent	RPW	4	R4SB5	-	-	03010101	Upper Roanoke	Pipeline ROW	75	-	300	-	10	111	-	159
S-GH14	UNT to North Fork Blackwater River	Franklin	37.105883	-80.048861	Perennial	RPW	4	R3UB3	-	-	03010101	Upper Roanoke	Pipeline ROW	76	-	304	-	10	113	-	159
S-GH11	UNT to North Fork Blackwater River	Franklin	37.104707	-80.046220	Intermittent	RPW	3	R4SB4	-	-	03010101	Upper Roanoke	Pipeline ROW	77	-	231	-	10	86	-	159
S-GH9	UNT to North Fork Blackwater River	Franklin	37.104329	-80.045343	Perennial	RPW	4	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	78	-	312	-	10	116	-	159
S-RR08	UNT to North Fork Blackwater River	Franklin	37.103290	-80.041868	Ephemeral	NRPW	7	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	76	-	532	-	10	197	-	159
S-RR09	UNT to North Fork Blackwater River	Franklin	37.102491	-80.041046	Ephemeral	NRPW	9	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	77	-	693	-	10	257	-	160
S-RR11	UNT to North Fork Blackwater River	Franklin	37.101127	-80.039653	Ephemeral	NRPW	7	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	77	-	539	-	10	200	-	160
S-IJ1	UNT to North Fork Blackwater River	Franklin	37.093062	-80.027724	Perennial	RPW	12	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	107	-	1284	-	10	476	-	162
S-IJ2	UNT to North Fork Blackwater River	Franklin	37.092891	-80.027593	Intermittent	RPW	2.5	R4SB3	-	-	03010101	Upper Roanoke	Pipeline ROW	40	-	100	-	10	37	-	162
S-II6	UNT to Little Creek	Franklin	37.092697	-79.978402	Intermittent	NRPW	3	R4RB5	-	-	03010101	Upper Roanoke	Pipeline ROW	76	-	228	-	10	84	-	170
S-IJ3	UNT to North Fork Blackwater River	Franklin	37.092600	-80.027231	Intermittent	RPW	5	R4SB5	-	-	03010101	Upper Roanoke	Pipeline ROW	77	-	385	-	10	143	-	162
S-GH6	UNT to Little Creek	Franklin	37.092397	-79.983227	Perennial	RPW	3	R4SB4	-	-	03010101	Upper Roanoke	Pipeline ROW	81	-	243	-	10	90	-	169
S-II12	UNT to Little Creek	Franklin	37.091608	-79.987839	Intermittent	RPW	2	R4RB4	-	-	03010101	Upper Roanoke	Pipeline ROW	85	-	170	-	10	63	-	170
S-II11	UNT to Little Creek	Franklin	37.091564	-79.988051	Perennial	RPW	4	R3UB2	-	-	03010101	Upper Roanoke	Pipeline ROW	98	-	392	-	10	145	-	170

Table 2.2 Field Survey Stream Impacts  
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Stream ID	NHD Stream Name <sup>1</sup>	County	Latitude <sup>2</sup>	Longitude <sup>2</sup>	Flow Regime	Water Type <sup>3</sup>	Top of Bank Width (ft)	Cowardin <sup>4</sup>	Stream Designation <sup>5</sup>	RTE <sup>6</sup>	HUC 8	HUC 8 Name	Impact Type	Temporary Impact (linear ft) <sup>7</sup>	Permanent Impact (linear ft) <sup>7</sup>	Temporary Impact Area (square ft)	Permanent Impact Area (square ft)	Depth of fill (ft)	Temporary Fill (cubic yard) <sup>8</sup>	Permanent Fill (cubic yard) <sup>9</sup>	Figure
S-II8	UNT to Little Creek	Franklin	37.091413	-79.993944	Intermittent	RPW	2	R4RB4	-	-	03010101	Upper Roanoke	Pipeline ROW	78	-	156	-	10	58	-	168
S-II9	UNT to Little Creek	Franklin	37.091382	-79.990620	Perennial	RPW	20	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	81	-	1620	-	10	600	-	168
S-II7	UNT to Little Creek	Franklin	37.091354	-79.992013	Intermittent	RPW	4	R4RB4	-	-	03010101	Upper Roanoke	Pipeline ROW	76	-	304	-	10	113	-	168
S-IJ4	UNT to North Fork Blackwater River	Franklin	37.091189	-80.024366	Perennial	RPW	4	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	101	-	404	-	10	150	-	162
S-KL1	UNT to Little Creek	Franklin	37.090405	-79.996415	Perennial	RPW	4.5	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	29	-	130.5	-	3	14	-	167
S-KL2	UNT to Little Creek	Franklin	37.090361	-79.996354	Perennial	RPW	3.7	R3UB2	-	-	03010101	Upper Roanoke	Pipeline ROW	76	-	281.2	-	10	104	-	167
S-GH2	UNT to Teels Creek	Franklin	37.090153	-79.953936	Intermittent	RPW	2	R4SB4	-	-	03010101	Upper Roanoke	Pipeline ROW	85	-	170	-	10	63	-	176
S-GH4	UNT to Teels Creek	Franklin	37.089812	-79.956077	Perennial	RPW	5	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	27	-	135	-	3	15	-	175
S-GH3	UNT to Teels Creek	Franklin	37.089745	-79.956042	Perennial	RPW	6	R4SB3	-	-	03010101	Upper Roanoke	Pipeline ROW	76	-	456	-	10	169	-	175
S-IJ8	UNT to Little Creek	Franklin	37.089249	-80.018301	Ephemeral	NRPW	1.5	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	29	-	43.5	-	3	5	-	163
S-IJ10	Little Creek	Franklin	37.089179	-80.005026	Perennial	RPW	3	R3RB1	-	-	03010101	Upper Roanoke	Pipeline ROW	77	-	231	-	10	86	-	166
S-CD6	Little Creek	Franklin	37.057584	-79.913921	Perennial	RPW	70	R2UB1	-	Roanoke loggerch	03010101	Upper Roanoke	Pipeline ROW	77	-	4424	-	10	1639	-	185
S-II2	Little Creek	Franklin	37.049219	-79.908513	Perennial	RPW	60	R2RB1	-	Roanoke loggerch	03010101	Upper Roanoke	Pipeline ROW	76	-	3247	-	10	1203	-	186
<b>S-IJ10, S-CD6, &amp; S-II2 Total</b>	<b>Little Creek</b>													<b>230</b>	<b>-</b>	<b>7902</b>	<b>-</b>	<b>-</b>	<b>2927</b>	<b>-</b>	
S-E29	UNT to Teels Creek	Franklin	37.089178	-79.950110	Perennial	RPW	8	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	80	-	640	-	10	237	-	176
S-E28	Teels Creek	Franklin	37.089047	-79.9613	Perennial	RPW	12	R2UB2	-	Roanoke loggerch	03010101	Upper Roanoke	Pipeline ROW	82	-	984	-	10	364	-	172
S-E28	Teels Creek	Franklin	37.085247	-79.948057	Perennial	RPW	12	R2UB2	-	Roanoke loggerch	03010101	Upper Roanoke	Pipeline ROW	76	-	912	-	10	338	-	172
S-E28	Teels Creek	Franklin	37.082875	-79.945556	Perennial	RPW	12	R2UB2	-	Roanoke loggerch	03010101	Upper Roanoke	Pipeline ROW	101	-	1212	-	10	449	-	172
S-EF12	Teels Creek	Franklin	37.073367	-79.939865	Perennial	RPW	20	R2UB1	-	Roanoke loggerch	03010101	Upper Roanoke	Pipeline ROW	79	-	1580	-	10	585	-	179
S-D23	Teels Creek	Franklin	37.070322	-79.931039	Perennial	RPW	20	R2UB2	-	Roanoke loggerch	03010101	Upper Roanoke	Pipeline ROW	92	-	2085	-	10	772	-	181
S-C14	Teels Creek	Franklin	37.063956	-79.921985	Perennial	RPW	50	R2UB1	-	Roanoke loggerch	03010101	Upper Roanoke	Pipeline ROW	90	-	3653	-	10	1353	-	183
S-C17	Teels Creek	Franklin	37.058390	-79.918015	Perennial	RPW	30	R2UB1	-	Roanoke loggerch	03010101	Upper Roanoke	Pipeline ROW	93	-	1585	-	10	587	-	185
<b>S-E28, S-EF12, S-D23, S-C14 &amp; S-C17 Total</b>	<b>Teels Creek</b>													<b>613</b>	<b>-</b>	<b>12011</b>	<b>-</b>	<b>-</b>	<b>4449</b>	<b>-</b>	
S-EF4	UNT to Teels Creek	Franklin	37.078963	-79.941911	Perennial	RPW	11	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	80	-	880	-	10	326	-	178
S-EF7	UNT to Teels Creek	Franklin	37.074664	-79.941123	Ephemeral	NRPW	2	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	106	-	212	-	10	79	-	179
S-EF7	UNT to Teels Creek	Franklin	37.074636	-79.941336	Ephemeral	NRPW	2	R6	-	-	03010101	Upper Roanoke	ATWS	22	-	44	-	3	5	-	179
<b>S-EF7 Total</b>	<b>UNT to Teels Creek</b>													<b>128</b>	<b>-</b>	<b>256</b>	<b>-</b>	<b>-</b>	<b>83</b>	<b>-</b>	
S-MM42	UNT to Teels Creek	Franklin	37.070703	-79.937069	Ephemeral	NRPW	2	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	81	-	162	-	10	60	-	180
S-D22	UNT to Teels Creek	Franklin	37.070101	-79.929732	Intermittent	RPW	8	R4RB4	-	-	03010101	Upper Roanoke	Pipeline ROW	83	-	664	-	10	246	-	181
S-D18	UNT to Teels Creek	Franklin	37.069560	-79.926213	Ephemeral	NRPW	2	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	30	-	60	-	3	7	-	181
S-RR15	UNT to Teels Creek	Franklin	37.069542	-79.933892	Perennial	RPW	14	R3UB3	-	-	03010101	Upper Roanoke	Pipeline ROW	97	-	1358	-	10	503	-	181
S-D20	UNT to Teels Creek	Franklin	37.069485	-79.926230	Intermittent	RPW	8	R4RB4	-	-	03010101	Upper Roanoke	Pipeline ROW	76	-	608	-	10	225	-	181
S-KL61	UNT to Blackwater River	Franklin	37.064794	-79.872477	Ephemeral	NRPW	4	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	28	-	112	-	3	12	-	192
S-EF48	UNT to Blackwater River	Franklin	37.064748	-79.874420	Intermittent	RPW	2	R4SB3	-	-	03010101	Upper Roanoke	Pipeline ROW	86	-	172	-	10	64	-	192
S-YZ4	UNT to Blackwater River	Franklin	37.064723	-79.878190	Ephemeral	NRPW	3	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	84	-	252	-	10	93	-	191
S-YZ5	UNT to Blackwater River	Franklin	37.063464	-79.878281	Ephemeral	NRPW	4	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	86	-	344	-	10	127	-	191
S-KL41	UNT to Blackwater River	Franklin	37.062262	-79.862639	Perennial	RPW	12	R3RB1	-	-	03010101	Upper Roanoke	Pipeline ROW	75	-	900	-	10	333	-	193
S-KL39	UNT to Blackwater River	Franklin	37.061193	-79.880018	Perennial	RPW	6.5	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	121	-	786.5	-	10	291	-	191
S-C16	UNT to Teels Creek	Franklin	37.060610	-79.921179	Perennial	RPW	15	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	75	-	1125	-	10	417	-	183
S-KL54	UNT to Maggoodee Creek	Franklin	37.059535	-79.840624	Perennial	RPW	10	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	76	-	760	-	10	281	-	197
S-C8	UNT to Blackwater River	Franklin	37.059098	-79.853595	Intermittent	RPW	5	R4RB5	-	-	03010101	Upper Roanoke	Pipeline ROW	86	-	430	-	10	159	-	195
S-F4	UNT to Blackwater River	Franklin	37.059060	-79.853379	Ephemeral	NRPW	10	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	82	-	820	-	3	91	-	195
S-KL52	UNT to Maggoodee Creek	Franklin	37.058165	-79.844877	Ephemeral	NRPW	1	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	105	-	105	-	10	39	-	196

Table 2.2 Field Survey Stream Impacts  
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Stream ID	NHD Stream Name <sup>1</sup>	County	Latitude <sup>2</sup>	Longitude <sup>2</sup>	Flow Regime	Water Type <sup>3</sup>	Top of Bank Width (ft)	Cowardin <sup>4</sup>	Stream Designation <sup>5</sup>	RTE <sup>6</sup>	HUC 8	HUC 8 Name	Impact Type	Temporary Impact (linear ft) <sup>7</sup>	Permanent Impact (linear ft) <sup>7</sup>	Temporary Impact Area (square ft)	Permanent Impact Area (square ft)	Depth of fill (ft)	Temporary Fill (cubic yard) <sup>8</sup>	Permanent Fill (cubic yard) <sup>9</sup>	Figure
S-S10	UNT to Maggoodee Creek	Franklin	37.057820	-79.838616	Perennial	RPW	11	R3UB2	-	-	03010101	Upper Roanoke	Temporary Access Road	8	-	88	-	3	10	-	197
S-S11	UNT to Maggoodee Creek	Franklin	37.057776	-79.838583	Perennial	RPW	11	R3UB3	-	-	03010101	Upper Roanoke	Temporary Access Road	41	-	451	-	3	50	-	197
S-F8	UNT to Maggoodee Creek	Franklin	37.057724	-79.836406	Perennial	RPW	30	R3RB1	-	-	03010101	Upper Roanoke	Pipeline ROW	83	-	2490	-	10	922	-	197
S-HH4	UNT to Maggoodee Creek	Franklin	37.056594	-79.835785	Intermittent	RPW	9	R4RB3	-	-	03010101	Upper Roanoke	Pipeline ROW	97	-	873	-	10	323	-	198
S-KL51	UNT to Blackwater River	Franklin	37.056084	-79.850384	Perennial	RPW	5.5	R3UB2	-	-	03010101	Upper Roanoke	Pipeline ROW	67	-	368.5	-	10	136	-	195
S-KL38	UNT to Blackwater River	Franklin	37.055912	-79.883177	Perennial	RPW	7	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	78	-	546	-	10	202	-	190
S-C20	UNT to Maggoodee Creek	Franklin	37.055193	-79.833881	Ephemeral	NRPW	4	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	75	-	300	-	10	111	-	198
S-C20	UNT to Maggoodee Creek	Franklin	37.054793	-79.833875	Ephemeral	NRPW	4	R6	-	-	03010101	Upper Roanoke	Temporary Access Road	28	-	112	-	3	12	-	198
<b>S-C20 Total</b>	<b>UNT to Maggoodee Creek</b>													<b>103</b>	<b>-</b>	<b>412</b>	<b>-</b>	<b>-</b>	<b>124</b>	<b>-</b>	
S-C19	Maggoodee Creek	Franklin	37.055147	-79.830098	Perennial	RPW	45	R2UB1	-	Roanoke loggerch	03010101	Upper Roanoke	Pipeline ROW	75	-	3005	-	10	1113	-	198
S-KL36	UNT to Blackwater River	Franklin	37.053336	-79.884604	Perennial	RPW	7.5	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	80	-	600	-	10	222	-	189
S-F11	Blackwater River	Franklin	37.052843	-79.825711	Perennial	TNW	90	R2	-	Roanoke loggerch	03010101	Upper Roanoke	Pipeline ROW	91	-	6766	-	10	2506	-	199
S-KL35	UNT to Blackwater River	Franklin	37.052125	-79.886182	Perennial	RPW	2.5	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	116	-	290	-	10	107	-	189
S-F9b	UNT to Blackwater River	Franklin	37.049238	-79.817223	Perennial	RPW	15	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	76	-	1140	-	10	422	-	200
S-F10	UNT to Blackwater River	Franklin	37.048037	-79.813934	Ephemeral	NRPW	9	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	86	-	774	-	10	287	-	200
S-CD1	UNT to Blackwater River	Franklin	37.047765	-79.897636	Perennial	RPW	3.5	R3UB2	-	-	03010101	Upper Roanoke	Pipeline ROW	104	-	364	-	10	135	-	188
S-F9a	UNT to Blackwater River	Franklin	37.047172	-79.813000	Intermittent	RPW	15	R4RB3	-	-	03010101	Upper Roanoke	Pipeline ROW	55	-	825	-	10	306	-	200
S-MM29	UNT to Maple Branch	Franklin	37.043871	-79.822898	Perennial	RPW	15	R3RB1	-	-	03010101	Upper Roanoke	Temporary Access Road	42	-	630	-	3	70	-	201
S-MM23	Maple Branch	Franklin	37.043854	-79.822974	Perennial	RPW	20	R2RB1	-	-	03010101	Upper Roanoke	Temporary Access Road	78	-	1560	-	3	173	-	201
S-GG4	UNT to Blackwater River	Franklin	37.042742	-79.809015	Ephemeral	NRPW	5	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	86	-	430	-	10	159	-	203
S-A36	UNT to Foul Ground Creek	Franklin	37.037916	-79.804237	Ephemeral	NRPW	4	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	77	-	308	-	10	114	-	204
S-A38	UNT to Foul Ground Creek	Franklin	37.036271	-79.799442	Intermittent	RPW	9	R4RB4	-	-	03010101	Upper Roanoke	Pipeline ROW	142	-	1278	-	10	473	-	205
S-A40	UNT to Foul Ground Creek	Franklin	37.036173	-79.799240	Intermittent	RPW	5.8	R4RB4	-	-	03010101	Upper Roanoke	Pipeline ROW	13	-	75.4	-	3	8	-	205
S-A41	Foul Ground Creek	Franklin	37.031714	-79.788213	Perennial	RPW	12	R2UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	76	-	912	-	10	338	-	207
S-GH36	UNT to Foul Ground Creek	Franklin	37.031063	-79.778588	Intermittent	RPW	3	R4SB5	-	-	03010101	Upper Roanoke	Pipeline ROW	83	-	249	-	10	92	-	208
S-KL17	UNT to Foul Ground Creek	Franklin	37.031011	-79.778435	Intermittent	RPW	5	R4SB3	-	-	03010101	Upper Roanoke	Pipeline ROW	77	-	385	-	10	143	-	208
S-GH37	UNT to Foul Ground Creek	Franklin	37.030974	-79.778190	Intermittent	RPW	3	R4SB3	-	-	03010101	Upper Roanoke	Pipeline ROW	46	-	138	-	3	15	-	208
S-GH38	UNT to Foul Ground Creek	Franklin	37.030972	-79.778083	Intermittent	RPW	3	R4SB4	-	-	03010101	Upper Roanoke	Pipeline ROW	7	-	21	-	3	2	-	208
S-GH39	UNT to Foul Ground Creek	Franklin	37.030861	-79.778069	Intermittent	RPW	4	R4SB4	-	-	03010101	Upper Roanoke	Pipeline ROW	103	-	412	-	10	153	-	208
S-GH40	UNT to Foul Ground Creek	Franklin	37.028893	-79.774785	Ephemeral	NRPW	3	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	89	-	267	-	10	99	-	208
S-GH44	UNT to Foul Ground Creek	Franklin	37.028392	-79.773359	Perennial	RPW	6	R3UB2	-	-	03010101	Upper Roanoke	Pipeline ROW	176	-	1056	-	10	391	-	209
S-IJ47	UNT to Foul Ground Creek	Franklin	37.028373	-79.773383	Ephemeral	NRPW	2	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	16	-	32	-	3	4	-	209
S-G22	UNT to Poplar Camp Creek	Franklin	37.019612	-79.761958	Perennial	RPW	12	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	80	-	960	-	10	356	-	210
S-G23	UNT to Poplar Camp Creek	Franklin	37.019526	-79.762002	Intermittent	RPW	3	R4RB2	-	-	03010101	Upper Roanoke	Pipeline ROW	42	-	126	-	3	14	-	210
S-G21	UNT to Poplar Camp Creek	Franklin	37.019359	-79.761643	Intermittent	RPW	3	R4RB4	-	-	03010101	Upper Roanoke	Pipeline ROW	54	-	162	-	3	18	-	210
S-G20	Poplar Camp Creek	Franklin	37.017364	-79.760000	Perennial	RPW	10	R2UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	80	-	800	-	10	296	-	211
S-G18	UNT to Blackwater River	Franklin	37.009236	-79.754238	Intermittent	RPW	2	R4RB4	-	-	03010101	Upper Roanoke	Pipeline ROW	81	-	162	-	10	60	-	212
S-G17	UNT to Blackwater River	Franklin	37.005496	-79.752655	Ephemeral	NRPW	5	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	78	-	390	-	10	144	-	213
S-G17	UNT to Blackwater River	Franklin	37.005446	-79.753184	Ephemeral	NRPW	5	R6	-	-	03010101	Upper Roanoke	Temporary Access Road	13	-	65	-	3	7	-	213
<b>S-G17 Total</b>	<b>UNT to Blackwater River</b>													<b>91</b>	<b>-</b>	<b>455</b>	<b>-</b>	<b>-</b>	<b>152</b>	<b>-</b>	
S-E18	UNT to Blackwater River	Franklin	37.001271	-79.747749	Perennial	RPW	7	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	94	-	658	-	10	244	-	214
S-E17	UNT to Blackwater River	Franklin	37.000529	-79.742760	Perennial	RPW	8	R3RB1	-	-	03010101	Upper Roanoke	Pipeline ROW	95	-	760	-	10	281	-	214
S-E14	UNT to Blackwater River	Franklin	36.995814	-79.735144	Perennial	RPW	20	R2UB2	-	-	03010101	Upper Roanoke	Pipeline ROW	82	-	1640	-	10	607	-	215

Table 2.2 Field Survey Stream Impacts  
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Stream ID	NHD Stream Name <sup>1</sup>	County	Latitude <sup>2</sup>	Longitude <sup>2</sup>	Flow Regime	Water Type <sup>3</sup>	Top of Bank Width (ft)	Cowardin <sup>4</sup>	Stream Designation <sup>5</sup>	RTE <sup>6</sup>	HUC 8	HUC 8 Name	Impact Type	Temporary Impact (linear ft) <sup>7</sup>	Permanent Impact (linear ft) <sup>7</sup>	Temporary Impact Area (square ft)	Permanent Impact Area (square ft)	Depth of fill (ft)	Temporary Fill (cubic yard) <sup>8</sup>	Permanent Fill (cubic yard) <sup>9</sup>	Figure
S-H38	UNT to Jacks Creek	Franklin	36.989430	-79.722366	Perennial	RPW	12	R3UB2	-	-	03010101	Upper Roanoke	Pipeline ROW	95	-	1140	-	10	422	-	217
S-H32	UNT to Jacks Creek	Franklin	36.988273	-79.708199	Perennial	RPW	10	R3UB2	-	Orangefin madtom	03010101	Upper Roanoke	Pipeline ROW	81	-	810	-	10	300	-	219
S-H37	UNT to Jacks Creek	Franklin	36.988031	-79.717450	Ephemeral	NRPW	6	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	82	-	492	-	10	182	-	218
S-H34	UNT to Jacks Creek	Franklin	36.988009	-79.711881	Perennial	RPW	3	R3UB2	-	-	03010101	Upper Roanoke	Pipeline ROW	92	-	276	-	10	102	-	219
S-H36	UNT to Jacks Creek	Franklin	36.988008	-79.714922	Perennial	RPW	3	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	124	-	372	-	10	138	-	218
S-H30	UNT to Jacks Creek	Franklin	36.987961	-79.702711	Intermittent	RPW	1	R4RB5	-	-	03010101	Upper Roanoke	Pipeline ROW	4	-	4	-	3	0	-	221
S-A18	UNT to Jacks Creek	Franklin	36.987818	-79.700634	Intermittent	RPW	2.6	R4RB5	-	-	03010101	Upper Roanoke	Pipeline ROW	87	-	226.2	-	10	84	-	221
S-A19/H26	UNT to Jacks Creek	Franklin	36.987719	-79.698901	Intermittent	RPW	7	R4SB4	-	-	03010101	Upper Roanoke	Pipeline ROW	212	-	1484	-	10	550	-	221
S-A20	UNT to Jacks Creek	Franklin	36.987715	-79.698555	Perennial	RPW	7	R3RB1	-	Orangefin madtom	03010101	Upper Roanoke	Pipeline ROW	98	-	686	-	10	254	-	221
S-H28	UNT to Jacks Creek	Franklin	36.985174	-79.692272	Ephemeral	NRPW	6	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	16	-	96	-	3	11	-	222
S-H27	UNT to Jacks Creek	Franklin	36.985124	-79.692272	Ephemeral	NRPW	10	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	36	-	360	-	3	40	-	222
S-A22	UNT to Jacks Creek	Franklin	36.984846	-79.691870	Intermittent	RPW	8	R4RB4	-	-	03010101	Upper Roanoke	Pipeline ROW	95	-	760	-	10	281	-	222
S-MM44	UNT to Little Jacks Creek	Franklin	36.982507	-79.687818	Perennial	RPW	4	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	94	-	376	-	10	139	-	222
S-MM46	UNT to Little Jacks Creek	Franklin	36.982240	-79.687500	Intermittent	RPW	3	R4SB5	-	-	03010101	Upper Roanoke	Pipeline ROW	9	-	27	-	3	3	-	222
S-MM45	UNT to Little Jacks Creek	Franklin	36.981971	-79.686901	Ephemeral	NRPW	4	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	33	-	132	-	3	15	-	222
S-MM48	UNT to Little Jacks Creek	Franklin	36.979223	-79.684192	Perennial	RPW	7	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	133	-	931	-	10	345	-	223
S-H25	Little Jacks Creek	Franklin	36.978529	-79.682186	Perennial	RPW	7	R2UB2	-	-	03010101	Upper Roanoke	Pipeline ROW	80	-	560	-	10	207	-	223
S-H24	UNT to Little Jacks Creek	Franklin	36.978025	-79.680682	Perennial	RPW	10	R3UB2	-	-	03010101	Upper Roanoke	Pipeline ROW	119	-	1190	-	10	441	-	223
S-H23	UNT to Turkey Creek	Franklin	36.976421	-79.677525	Ephemeral	NRPW	5	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	92	-	460	-	10	170	-	225
S-HH1	UNT to Turkey Creek	Franklin	36.974647	-79.674453	Ephemeral	NRPW	5	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	18	-	90	-	3	10	-	225
S-A13	Turkey Creek	Franklin	36.973282	-79.673075	Perennial	RPW	8	R2UB1	-	Orangefin madtom	03010101	Upper Roanoke	Pipeline ROW	92	-	736	-	10	273	-	225
S-A11	UNT to Turkey Creek	Franklin	36.973237	-79.669898	Ephemeral	NRPW	3	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	55	-	165	-	3	18	-	227
S-H17	Dinner Creek	Franklin	36.972125	-79.662987	Intermittent	RPW	8	R4RB4	-	-	03010101	Upper Roanoke	Pipeline ROW	101	-	808	-	10	299	-	228
S-A7	UNT to Dinner Creek	Franklin	36.972032	-79.662504	Perennial	RPW	6	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	97	-	582	-	10	216	-	228
S-SS8	Polecat Creek	Franklin	36.970904	-79.657370	Perennial	RPW	8	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	94	-	752	-	10	279	-	228
S-CD8	UNT to Owens Creek	Franklin	36.970522	-79.653726	Intermittent	RPW	4.5	R4SB4	-	-	03010101	Upper Roanoke	Pipeline ROW	78	-	351	-	10	130	-	229
S-AB8	UNT to Owens Creek	Franklin	36.970133	-79.651328	Intermittent	RPW	4	R4SB3	-	-	03010101	Upper Roanoke	Pipeline ROW	84	-	336	-	10	124	-	229
S-DD3	Owens Creek	Franklin	36.969118	-79.645042	Intermittent	RPW	15	R4RB3	-	Orangefin madtom	03010101	Upper Roanoke	Pipeline ROW	111	-	1665	-	10	617	-	230
S-G16	Strawfield Creek	Franklin	36.968640	-79.642174	Perennial	RPW	30	R3RB1	-	Orangefin madtom	03010101	Upper Roanoke	Pipeline ROW	75	-	2250	-	10	833	-	230
S-G15	UNT to Parrot Branch	Franklin	36.967711	-79.636590	Intermittent	RPW	9	R4RB3	-	-	03010101	Upper Roanoke	Pipeline ROW	88	-	792	-	10	293	-	231
S-G13	Parrot Branch	Franklin	36.967025	-79.630747	Perennial	RPW	8	R2UB1	-	Orangefin madtom	03010101	Upper Roanoke	Pipeline ROW	79	-	632	-	10	234	-	231
S-D3	UNT to Jonnikin Creek	Pittsylvania	36.965631	-79.605542	Perennial	RPW	10	R2UB1	-	Orangefin madtom	03010101	Upper Roanoke	Pipeline ROW	77	-	770	-	10	285	-	235
S-D4	UNT to Jonnikin Creek	Pittsylvania	36.965600	-79.604894	Intermittent	RPW	6	R4SB5	-	-	03010101	Upper Roanoke	Pipeline ROW	105	-	630	-	10	233	-	235
S-D2	Jonnikin Creek	Pittsylvania	36.965405	-79.599130	Perennial	RPW	18	R3UB1	-	Orangefin madtom	03010101	Upper Roanoke	Pipeline ROW	78	-	1404	-	10	520	-	236
S-D7	UNT to Jonnikin Creek	Franklin	36.964763	-79.617043	Intermittent	RPW	8	R4RB3	-	-	03010101	Upper Roanoke	Pipeline ROW	80	-	640	-	10	237	-	233
S-D1-EPH	UNT to Jonnikin Creek	Pittsylvania	36.964430	-79.595691	Ephemeral	NRPW	10	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	61	-	610	-	10	226	-	236
S-D1-INT	UNT to Jonnikin Creek	Pittsylvania	36.964407	-79.595841	Intermittent	RPW	10	R4SB5	-	-	03010101	Upper Roanoke	Pipeline ROW	29	-	290	-	3	32	-	236
<b>S-D1 Total</b>	<b>UNT to Rocky Creek</b>													<b>90</b>	<b>-</b>	<b>900</b>	<b>-</b>	<b>-</b>	<b>258</b>	<b>-</b>	
S-G11	UNT to Jonnikin Creek	Pittsylvania	36.962420	-79.590500	Intermittent	RPW	6	R4SB3	-	-	03010101	Upper Roanoke	Pipeline ROW	77	-	462	-	10	171	-	237
S-G9	UNT to Jonnikin Creek	Pittsylvania	36.959361	-79.586437	Intermittent	RPW	4	R4SB3	-	-	03010101	Upper Roanoke	Pipeline ROW	79	-	316	-	10	117	-	239
S-G8	UNT to Jonnikin Creek	Pittsylvania	36.957805	-79.583545	Intermittent	RPW	4	R4SB3	-	-	03010101	Upper Roanoke	Pipeline ROW	90	-	360	-	10	133	-	239
S-Q15	UNT to Jonnikin Creek	Pittsylvania	36.957580	-79.583492	Ephemeral	NRPW	5	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	103	-	515	-	10	191	-	239
S-A5	UNT to Rocky Creek	Pittsylvania	36.954125	-79.580870	Ephemeral	NRPW	8	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	13	-	104	-	3	12	-	238
S-A6	UNT to Rocky Creek	Pittsylvania	36.952275	-79.580460	Perennial	RPW	5	R3UB3	-	-	03010101	Upper Roanoke	Pipeline ROW	83	-	415	-	10	154	-	238



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S-H11-Braid	UNT to Rocky Creek	Pittsylvania	36.949615	-79.579553	Ephemeral	NRPW	2	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	85	-	170	-	3	19	-	238
S-H11	UNT to Rocky Creek	Pittsylvania	36.949582	-79.579537	Ephemeral	NRPW	3	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	151	-	453	-	3	50	-	238
S-H11	UNT to Rocky Creek	Pittsylvania	36.948718	-79.578866	Ephemeral	NRPW	3	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	35	-	105	-	3	12	-	238
<b>S-H11 Total</b>	<b>UNT to Rocky Creek</b>													<b>271</b>	<b>-</b>	<b>728</b>	<b>-</b>	<b>-</b>	<b>81</b>	<b>-</b>	
S-F2	UNT to Rocky Creek	Pittsylvania	36.944049	-79.571442	Ephemeral	NRPW	7	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	50	-	350	-	10	130	-	241
S-C7	UNT to Rocky Creek	Pittsylvania	36.944016	-79.571517	Perennial	RPW	20	R3UB3	-	Orangefin madtom	03010101	Upper Roanoke	Pipeline ROW	99	-	1980	-	10	733	-	241
S-E12	UNT to Pigg River	Pittsylvania	36.935998	-79.549329	Ephemeral	NRPW	3	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	1	-	3	-	3	0	-	243
S-E11 <sup>6</sup>	Pigg River	Pittsylvania	36.933353	-79.538293	Perennial	RPW	100	R2UB3	-	Roanoke logperch; Yellow lampmussel; Orangefin Madtom	03010101	Upper Roanoke	Pipeline ROW	100	-	7131	-	10	2641	-	244
S-H8 <sup>6</sup>	UNT to Pigg River	Pittsylvania	36.932497	-79.535087	Ephemeral	NRPW	6	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	77	-	462	-	10	171	-	245
S-A4 <sup>6</sup>	UNT to Pigg River	Pittsylvania	36.932251	-79.532989	Perennial	RPW	8	R3UB2	-	-	03010101	Upper Roanoke	Pipeline ROW	122	-	976	-	3	108	-	245
S-H7 <sup>7</sup>	UNT to Pigg River	Pittsylvania	36.932182	-79.532963	Intermittent	RPW	5	R4SB4	-	-	03010101	Upper Roanoke	Pipeline ROW	69	-	345	-	10	128	-	245
S-C3	Harpen Creek	Pittsylvania	36.929762	-79.526109	Perennial	RPW	18	R2UB2	-	Roanoke logperch; Orangefin madtom	03010101	Upper Roanoke	Pipeline ROW	81	-	1064	-	10	394	-	246
S-H13	Harpen Creek	Pittsylvania	36.925105	-79.517350	Perennial	RPW	20	R2UB2	-	Orangefin madtom	03010101	Upper Roanoke	Pipeline ROW	77	-	1540	-	10	570	-	247
S-G4	Harpen Creek	Pittsylvania	36.916463	-79.492669	Perennial	RPW	30	R2UB1	-	Orangefin madtom	03010101	Upper Roanoke	Pipeline ROW	88	-	2640	-	10	978	-	250
<b>S-C3, S-H13 &amp; S-G4 Total</b>	<b>Harpen Creek</b>													<b>246</b>	<b>-</b>	<b>5244</b>	<b>-</b>	<b>-</b>	<b>1942</b>	<b>-</b>	
S-C4	UNT to Harpen Creek	Pittsylvania	36.929745	-79.526290	Perennial	RPW	4	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	129	-	516	-	10	191	-	246
S-G6	UNT to Harpen Creek	Pittsylvania	36.920737	-79.505898	Intermittent	RPW	6	R4SB4	-	-	03010101	Upper Roanoke	Pipeline ROW	80	-	480	-	10	178	-	249
S-G5	UNT to Harpen Creek	Pittsylvania	36.917694	-79.496604	Ephemeral	NRPW	6	R6	-	-	03010101	Upper Roanoke	Pipeline ROW	77	-	462	-	10	171	-	250
S-G3	UNT to Harpen Creek	Pittsylvania	36.915658	-79.490029	Perennial	RPW	9	R3UB1	-	-	03010101	Upper Roanoke	Pipeline ROW	82	-	738	-	10	273	-	251
S-CC16	UNT to Harpen Creek	Pittsylvania	36.913003	-79.487838	Perennial	RPW	11	R3US2	-	-	03010101	Upper Roanoke	Pipeline ROW	83	-	913	-	10	338	-	251
S-CC14	UNT to Cherrystone Creek	Pittsylvania	36.905329	-79.471492	Intermittent	RPW	8	R4SB5	-	-	03010105	Banister	Pipeline ROW	77	-	616	-	10	228	-	253
S-CC13	UNT to Cherrystone Creek	Pittsylvania	36.905307	-79.471574	Intermittent	RPW	7	R4SB5	-	-	03010105	Banister	Pipeline ROW	61	-	427	-	10	158	-	253
S-MM8	UNT to Cherrystone Creek	Pittsylvania	36.902991	-79.468220	Perennial	RPW	6	R3UB2	-	-	03010105	Banister	Pipeline ROW	75	-	450	-	10	167	-	254
S-CC15	UNT to Cherrystone Creek	Pittsylvania	36.901941	-79.466535	Perennial	RPW	6	R3UB2	-	-	03010105	Banister	Pipeline ROW	82	-	492	-	10	182	-	254
S-CC8	UNT to Cherrystone Creek	Pittsylvania	36.899437	-79.462685	Intermittent	RPW	8	R4SB4	-	-	03010105	Banister	Pipeline ROW	21	-	168	-	3	19	-	254
S-CC5	UNT to Cherrystone Creek	Pittsylvania	36.899411	-79.462483	Perennial	RPW	12	R3UB1	-	-	03010105	Banister	Pipeline ROW	97	-	1164	-	10	431	-	254
S-CC5	UNT to Cherrystone Creek	Pittsylvania	36.899248	-79.462396	Perennial	RPW	12	R3UB1	-	-	03010105	Banister	Pipeline ROW	54	-	648	-	10	240	-	254
<b>S-CC5 Total</b>	<b>UNT to Cherrystone Creek</b>													<b>151</b>	<b>-</b>	<b>1812</b>	<b>-</b>	<b>-</b>	<b>671</b>	<b>-</b>	
S-CC9	UNT to Cherrystone Creek	Pittsylvania	36.897740	-79.458046	Ephemeral	NRPW	5.5	R6	-	-	03010105	Banister	Pipeline ROW	81	-	445.5	-	10	165	-	255
S-CC10	UNT to Cherrystone Creek	Pittsylvania	36.897315	-79.456119	Intermittent	RPW	9	R4SB5	-	-	03010105	Banister	Pipeline ROW	78	-	702	-	10	260	-	255
S-MM10	UNT to Cherrystone Creek	Pittsylvania	36.895915	-79.452960	Intermittent	RPW	7	R4SB3	-	-	03010105	Banister	Pipeline ROW	9	-	63	-	3	7	-	256
S-CC11	UNT to Cherrystone Creek	Pittsylvania	36.895808	-79.452920	Perennial	RPW	8	R3UB2	-	-	03010105	Banister	Pipeline ROW	87	-	696	-	10	258	-	256
S-CC1	Cherrystone Creek	Pittsylvania	36.894043	-79.445744	Perennial	RPW	15	R2UB1	-	-	03010105	Banister	Pipeline ROW	82	-	1230	-	10	456	-	257
S-CC3	UNT to Cherrystone Creek	Pittsylvania	36.893727	-79.444763	Ephemeral	NRPW	8	R6	-	-	03010105	Banister	Pipeline ROW	91	-	728	-	10	270	-	257
S-P5	UNT to Cherrystone Creek	Pittsylvania	36.892751	-79.440053	Ephemeral	NRPW	5	R6	-	-	03010105	Banister	Pipeline ROW	108	-	540	-	10	200	-	257
S-IJ35-EPH	UNT to Pole Bridge Branch	Pittsylvania	36.891451	-79.433781	Ephemeral	NRPW	4	R6	-	-	03010105	Banister	Pipeline ROW	171	-	684	-	10	253	-	258
S-Q4	UNT to Pole Bridge Branch	Pittsylvania	36.886114	-79.430914	Perennial	RPW	5	R3UB2	-	-	03010105	Banister	Pipeline ROW	91	-	455	-	10	169	-	259
S-Q3	Pole Bridge Branch	Pittsylvania	36.884444	-79.428220	Perennial	RPW	25	R2UB1	-	-	03010105	Banister	Pipeline ROW	75	-	1875	-	10	694	-	259
S-Q2	UNT to Pole Bridge Branch	Pittsylvania	36.884284	-79.427914	Perennial	RPW	7	R3UB3	-	-	03010105	Banister	Pipeline ROW	114	-	798	-	10	296	-	259
S-Q1	UNT to Pole Bridge Branch	Pittsylvania	36.883448	-79.425169	Ephemeral	NRPW	4	R6	-	-	03010105	Banister	Pipeline ROW	13	-	52	-	3	6	-	260
S-B6	UNT to Pole Bridge Branch	Pittsylvania	36.879063	-79.420189	Ephemeral	NRPW	10	R6	-	-	03010105	Banister	Pipeline ROW	84	-	840	-	10	311	-	260
S-B8	UNT to Pole Bridge Branch	Pittsylvania	36.877937	-79.417992	Intermittent	RPW	4	R4SB3	-	-	03010105	Banister	Pipeline ROW	82	-	328	-	10	121	-	261
S-B9	UNT to Pole Bridge Branch	Pittsylvania	36.877416	-79.416255	Perennial	RPW	7	R3UB1	-	-	03010105	Banister	Pipeline ROW	78	-	546	-	10	202	-	261

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S-DD4	UNT to Mill Creek	Pittsylvania	36.871478	-79.403907	Intermittent	RPW	6	R4SB4	-	-	03010105	Banister	Pipeline ROW	41	-	246	-	10	91	-	263
S-DD4	UNT to Mill Creek	Pittsylvania	36.870963	-79.402714	Intermittent	RPW	6	R4SB4	-	-	03010105	Banister	Pipeline ROW	79	-	474	-	10	176	-	263
<b>S-DD4 Total</b>	<b>UNT to Mill Creek</b>													<b>120</b>	<b>-</b>	<b>720</b>	<b>-</b>	<b>-</b>	<b>267</b>	<b>-</b>	
S-KL27	UNT to Mill Creek	Pittsylvania	36.866534	-79.400511	Ephemeral	NRPW	1	R6	-	-	03010105	Banister	Pipeline ROW	84	-	84	-	10	31	-	264
S-C1	Mill Creek	Pittsylvania	36.863513	-79.397914	Intermittent	RPW	6	R4SB4	-	-	03010105	Banister	Pipeline ROW	92	-	552	-	10	204	-	265
S-G2	Little Cherrystone Creek	Pittsylvania	36.851931	-79.386051	Perennial	RPW	7	R2UB2	-	-	03010105	Banister	Pipeline ROW	77	-	539	-	10	200	-	267
S-B2	UNT to Little Cherrystone Creek	Pittsylvania	36.849394	-79.377780	Ephemeral	NRPW	5	R6	-	-	03010105	Banister	Pipeline ROW	76	-	380	-	10	141	-	268
S-H55	UNT to Little Cherrystone Creek	Pittsylvania	36.843486	-79.369222	Ephemeral	NRPW	3	R6	-	-	03010105	Banister	Pipeline ROW	59	-	177	-	10	66	-	269
S-H54	UNT to Little Cherrystone Creek	Pittsylvania	36.841112	-79.366848	Perennial	RPW	12	R3UB1	-	-	03010105	Banister	Pipeline ROW	90	-	1080	-	10	400	-	270
S-GG11	UNT to Little Cherrystone Creek	Pittsylvania	36.841093	-79.366942	Perennial	RPW	8	R3UB1	-	-	03010105	Banister	Pipeline ROW	46	-	368	-	3	41	-	270
S-H3	UNT to Little Cherrystone Creek	Pittsylvania	36.834501	-79.360244	Intermittent	RPW	6	R4SB4	-	-	03010105	Banister	Pipeline ROW	18	-	108	-	3	12	-	271
S-H5	UNT to Little Cherrystone Creek	Pittsylvania	36.833412	-79.359823	Perennial	RPW	8	R3UB2	-	-	03010105	Banister	Pipeline ROW	83	-	664	-	10	246	-	271
S-OO1	UNT to Little Cherrystone Creek	Pittsylvania	36.830285	-79.356618	Intermittent	RPW	5	R4SB3	-	-	03010105	Banister	Pipeline ROW	84	-	420	-	10	156	-	271
S-H44	UNT to Little Cherrystone Creek	Pittsylvania	36.829823	-79.346016	Perennial	RPW	8	R3UB2	-	-	03010105	Banister	Pipeline ROW	120	-	960	-	10	356	-	273
S-H42	UNT to Little Cherrystone Creek	Pittsylvania	36.828993	-79.344442	Perennial	RPW	5	R3UB2	-	-	03010105	Banister	Permanent Access Road	-	39	-	195	3	-	22	273
S-H42	UNT to Little Cherrystone Creek	Pittsylvania	36.828958	-79.344315	Perennial	RPW	5	R3UB2	-	-	03010105	Banister	Pipeline ROW	52	-	260	-	3	29	-	273
<b>S-H42 Total</b>	<b>UNT to Little Cherrystone Creek</b>													<b>52</b>	<b>39</b>	<b>260</b>	<b>195</b>	<b>-</b>	<b>29</b>	<b>22</b>	
S-OO2	UNT to Little Cherrystone Creek	Pittsylvania	36.828831	-79.353849	Intermittent	RPW	5	R4SB3	-	-	03010105	Banister	Pipeline ROW	78	-	390	-	10	144	-	272
S-EF26	Little Cherrystone Creek	Pittsylvania	36.828207	-79.349814	Perennial	RPW	20	R2UB1	-	-	03010105	Banister	Pipeline ROW	79	-	1580	-	10	585	-	272
<b>Total</b>														<b>28677</b>	<b>478</b>	<b>258559</b>	<b>3065</b>	<b>-</b>	<b>89058</b>	<b>341</b>	

Notes:

- 1 - For identified streams without a NHD (National Hydrography Dataset) name, the identified stream was given the name, "Unidentified Tributary (UNT)", of the first named receiving waterbody
- 2 - In decimal degrees
- 3 - RPW = Relatively Permanent Waters  
- NRPW = Non-Relatively Permanent Waters  
- TNW = Traditional Navigable Waters
- 4 - See Cowardin et al., 1979
- 5 - Trout Waters - Virginia Department of Environmental Quality Office of Water Monitoring and Assessment. VEGIS Dataset. <http://www.deq.virginia.gov/ConnectWithDEQ/VEGIS/VEGISDatasets.aspx>. 2014\_Integrated\_WQ\_Report\_Rivers. File Date: 6/2016. File download: 6/2017.  
- Wild Trout - VA DGIF Trout Stream Classification Class I-IV (VA DEQ Natural trout waters Class VI)  
- Stockable Trout - VA DGIF Trout Stream Classification Class V-VI (VA DEQ Stockable trout waters Class V)  
- Tier III Exceptional Waterbodies - No Tier III Exceptional Waterbodies crossed by the Project.  
- Tier III data from: [http://www.deq.virginia.gov/Programs/Water/WaterQualityInformationTMDLs/WaterQualityStandards/ExceptionalStateWaters\(TierIII\).aspx](http://www.deq.virginia.gov/Programs/Water/WaterQualityInformationTMDLs/WaterQualityStandards/ExceptionalStateWaters(TierIII).aspx)  
- Anadromous Fish Use Areas - No Anadromous Fish Use Areas crossed by the Project.  
- Anadromous Fish Use Area data from: <https://www.dgif.virginia.gov/gis/data/download/>
- 6 - Green floater - *Lasmigona subviridis*; state threatened in Virginia  
- James spiny mussel - *Pleurobema collina*; federal endangered species  
- Orangefin madtom - *Noturus gilberti*; state threatened in Virginia  
- Roanoke logperch - *Percina rex*; federal endangered species  
- Yellow lampmussel - *Lampsilis cariosa*; state species of concern in Virginia
- 7 - No in-stream work is anticipated for stream crossings along access roads at existing culverts; therefore, streams crossing access roads in existing culverts will not be impacted and are not included on this table.
- 8 - Temporary fill discharge into waters of the U.S.
- 9 - Permanent fill associated with the construction of permanent access road and facilities
- # - The Federal Energy Regulatory Commission (FERC) recommended in its Final Environmental Impact Statement (June 2017) that MVP use a horizontal directional drill (HDD) as the preferred method to cross the Pigg River (S-E11), which incidentally also would affect adjacent streams S-H7, S-H8, and S-A4. The proposed impacts to these waters will not occur if the FERC-recommended HDD is completed successfully. If the HDD is unsuccessful for any reason, the dry open cut method will be utilized in accordance with an HDD Contingency Plan. The temporary impacts associated with the dry open cut crossing contingency are included here.