

Table 2. Stream Impacts
Individual Permit Application
Mountain Valley Pipeline Project

Stream ID	NHD Stream Name ¹	County	USACE District	Latitude ²	Longitude ²	Flow Regime	Water Type ³	Stream Designation ⁴	HUC 8	Impact Type	Temporary Impact (linear ft)	Permanent Impact (linear ft)	Temporary Impact Area (acres) ⁵	Permanent Impact Area (acres) ⁵	Temporary Fill (cubic yard) ⁶	Permanent Fill (cubic yard) ⁷	Figure
S-J62	Right Fork Big Elk Creek	Harrison	Pittsburgh	39.445033	-80.482635	Perennial	RPW	Warmwater Fishery, Tier 2	05020002	Timber Mat Crossing	20	-	0.0037	-	18	-	4-35
S-B75/F49	UNT to Goose Run	Harrison	Pittsburgh	39.436571	-80.475198	Intermittent	RPW	Warmwater Fishery, Tier 2	05020002	Timber Mat Crossing	20	-	0.0028	-	13	-	4-36
S-B74	Goose Run	Harrison	Pittsburgh	39.436245	-80.474976	Intermittent	RPW	Warmwater Fishery, Tier 2	05020002	Timber Mat Crossing	20	-	0.0018	-	9	-	4-36
S-B79	UNT to Big Elk Creek	Harrison	Pittsburgh	39.423571	-80.476278	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05020002	Temporary Access Road	11	-	0.0004	-	2	-	4-39
S-B79	UNT to Big Elk Creek	Harrison	Pittsburgh	39.423499	-80.476392	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05020002	Permanent Access Road	-	60	-	0.0021	-	7	4-39
S-B79	UNT to Big Elk Creek	Harrison	Pittsburgh	39.423434	-80.476486	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05020002	Temporary Access Road	24	-	0.0008	-	4	-	4-39
S-J54	UNT to Little Tenmile Creek	Harrison	Pittsburgh	39.400324	-80.479967	Perennial	RPW	Warmwater Fishery, Tier 1	05020002	Permanent Access Road	-	26	-	0.0048	-	23	4-43
S-J51	Little Tenmile Creek	Harrison	Pittsburgh	39.398116	-80.477174	Perennial	RPW	Warmwater Fishery, Tier 1	05020002	Timber Mat Crossing	20	-	0.0138	-	67	-	4-43
S-A10a	Little Rockcamp Run	Harrison	Pittsburgh	39.370005	-80.484974	Perennial	RPW	Warmwater Fishery, Tier 1	05020002	Timber Mat Crossing	20	-	0.0055	-	27	-	4-49
S-B2a	UNT to Rockcamp Run	Harrison	Pittsburgh	39.359262	-80.493290	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05020002	Pipeline ROW	115	-	0.0211	-	341	-	4-51
S-B3a	Rockcamp Run	Harrison	Pittsburgh	39.358871	-80.493707	Perennial	RPW	Warmwater Fishery, Tier 1	05020002	Pipeline ROW	97	-	0.0445	-	719	-	4-51
S-A128	Rockcamp Run	Harrison	Pittsburgh	39.355569	-80.4901	Perennial	RPW	Warmwater Fishery, Tier 1	05020002	Permanent Access Road	-	29	-	0.032	-	155	4-51
S-RR22	UNT to Grass Run	Harrison	Pittsburgh	39.342166	-80.512422	Perennial	RPW	Warmwater Fishery, Tier 1	05020002	Timber Mat Crossing	20	-	0.0055	-	27	-	4-55
S-A11a	Grass Run	Harrison	Pittsburgh	39.335511	-80.522421	Perennial	RPW	Warmwater Fishery, Tier 1	05020002	Pipeline ROW	113	-	0.0311	-	502	-	4-56
S-A11a-Braid-1	Grass Run	Harrison	Pittsburgh	39.335500	-80.522502	Intermittent	RPW	Warmwater Fishery, Tier 1	05020002	Pipeline ROW	11	-	0.0015	-	7	-	4-56
S-A11a-Braid-2	Grass Run	Harrison	Pittsburgh	39.335410	-80.522360	Intermittent	RPW	Warmwater Fishery, Tier 1	05020002	Pipeline ROW	77	-	0.0088	-	143	-	4-56
S-OP8	UNT to Indian Run	Harrison	Pittsburgh	39.320959	-80.526445	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05020002	Temporary Access Road	-	41	-	0.0047	-	23	4-59
S-OP9	UNT to Indian Run	Harrison	Pittsburgh	39.320682	-80.526449	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05020002	Temporary Access Road	-	36	-	0.0025	-	12	4-59
S-B6a	Indian Run	Harrison	Pittsburgh	39.317309	-80.527175	Perennial	RPW	Warmwater Fishery, Tier 1	05020002	Temporary Access Road	30	-	0.0207	-	100	-	4-59
S-B6a	Indian Run	Harrison	Pittsburgh	39.317023	-80.526157	Perennial	RPW	Warmwater Fishery, Tier 1	05020002	Timber Mat Crossing	20	-	0.0138	-	67	-	4-59
S-B7a	UNT to Indian Run	Harrison	Pittsburgh	39.316755	-80.526222	Intermittent	RPW	Warmwater Fishery, Tier 2	05020002	Timber Mat Crossing	20	-	0.0018	-	9	-	4-59
S-UU3	Salem Fork	Harrison	Pittsburgh	39.289870	-80.517903	Perennial	RPW	Warmwater Fishery, Tier 1	05020002	Pipeline ROW	76	-	0.1047	-	1,689	-	4-66
S-UU5	Halls Run	Harrison	Pittsburgh	39.253041	-80.540508	Perennial	RPW	Warmwater Fishery, Tier 2	05020002	Pipeline ROW	79	-	0.0073	-	117	-	4-74
S-K73	Coburn Fork	Harrison	Pittsburgh	39.243691	-80.553966	Perennial	RPW	Warmwater Fishery, Tier 1	05020002	Pipeline ROW	110	-	0.0126	-	204	-	4-77
S-K74	UNT to Coburn Fork	Harrison	Pittsburgh	39.243647	-80.553903	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05020002	Pipeline ROW	36	-	0.0021	-	10	-	4-77
S-K75	UNT to Coburn Fork	Harrison	Pittsburgh	39.243509	-80.554028	Intermittent	RPW	Warmwater Fishery, Tier 2	05020002	Pipeline ROW	96	-	0.0066	-	107	-	4-77
S-K80	UNT to Turtletree Fork	Harrison	Pittsburgh	39.225747	-80.550164	Intermittent	RPW	Warmwater Fishery, Tier 2	05020002	Timber Mat Crossing	20	-	0.0014	-	7	-	4-80
S-CV9	UNT to Turtletree Fork	Harrison	Pittsburgh	39.22369	-80.548273	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05020002	Timber Mat Crossing	20	-	0.0009	-	4	-	4-81
S-K81	Turtletree Fork	Harrison	Pittsburgh	39.223263	-80.547928	Perennial	RPW	Warmwater Fishery, Tier 1	05020002	Timber Mat Crossing	30	-	0.0028	-	13	-	4-81
S-CV10	UNT to Turtletree Fork	Harrison	Pittsburgh	39.221719	-80.546951	Perennial	RPW	Warmwater Fishery, Tier 2	05020002	Timber Mat Crossing	20	-	0.0014	-	7	-	4-81
S-A106	UNT to Kincheloe Creek	Harrison	Pittsburgh	39.168435	-80.577625	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05020002	Timber Mat Crossing	168	-	0.001	-	47	-	4-92
S-A105	UNT to Kincheloe Creek	Harrison	Pittsburgh	39.168266	-80.577815	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05020002	Timber Mat Crossing	20	-	0.0018	-	9	-	4-92
S-K94	Kincheloe Creek	Lewis	Pittsburgh	39.167831	-80.578867	Perennial	RPW	Warmwater Fishery, Tier 1	05020002	Temporary Access Road	18	-	0.0083	-	40	-	4-92
S-K82	UNT to Kincheloe Creek	Harrison	Pittsburgh	39.167753	-80.578181	Perennial	RPW	Warmwater Fishery, Tier 2	05020002	Pipeline ROW	110	-	0.0101	-	49	-	4-92
S-K94	Kincheloe Creek	Lewis	Pittsburgh	39.167575	-80.578144	Perennial	RPW	Warmwater Fishery, Tier 1	05020002	Pipeline ROW	79	-	0.0363	-	585	-	4-92
S-I67	Smoke Camp Run	Lewis	Pittsburgh	39.137145	-80.577026	Perennial	RPW	Warmwater Fishery, Tier 2	05020002	Timber Mat Crossing	22	-	0.0040	-	20	-	4-99
S-J43	Right Fork Freemans Creek	Lewis	Pittsburgh	39.120579	-80.581328	Perennial	RPW	Warmwater Fishery, Tier 1	05020002	Timber Mat Crossing	22	-	0.0126	-	61	-	4-102
S-J44	UNT to Right Fork Freemans Creek	Lewis	Pittsburgh	39.114730	-80.586203	Perennial	RPW	Warmwater Fishery, Tier 2	05020002	Pipeline ROW	79	-	0.0073	-	117	-	4-103
S-K46	UNT to Left Fork Freemans Creek	Lewis	Pittsburgh	39.080252	-80.581430	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05020002	Pipeline ROW	93	-	0.0043	-	21	-	4-109
S-B67	Left Fork Freemans Creek	Lewis	Pittsburgh	39.079556	-80.581346	Perennial	RPW	Warmwater Fishery, Tier 1	05020002	Timber Mat Crossing	22	-	0.0061	-	29	-	4-110
S-B69	UNT to Left Fork Freemans Creek	Lewis	Pittsburgh	39.077790	-80.582932	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05020002	Temporary Access Road	86	-	0.0030	-	14	-	4-110
S-H184	UNT to Left Fork Freemans Creek	Lewis	Pittsburgh	39.069684	-80.580583	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05020002	Timber Mat Crossing	22	-	0.0051	-	24	-	4-111
S-H184a	UNT to Left Fork Freemans Creek	Lewis	Pittsburgh	39.069645	-80.580591	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05020002	Timber Mat Crossing	22	-	0.0051	-	24	-	4-111
S-H180	UNT to Left Fork Freemans Creek	Lewis	Pittsburgh	39.068217	-80.581025	Intermittent	RPW	Warmwater Fishery, Tier 2	05020002	Pipeline ROW	68	-	0.0203	-	327	-	4-111
S-ST18	UNT to Mobley Run	Wetzel	Huntington	39.561766	-80.540136	Intermittent	RPW	Warmwater Fishery, Tier 1	05030201	Permanent Access Road	21	-	0.0049	-	23	-	4-2
S-WX3	UNT to Mobley Run	Wetzel	Huntington	39.560611	-80.545823	Intermittent	RPW	Warmwater Fishery, Tier 1	05030201	ATWS	21	-	0.0024	-	12	-	4-1
S-A1a	North Fork Fishing Creek	Wetzel	Huntington	39.553946	-80.545046	Perennial	RPW	Warmwater Fishery, Tier 1	05030201	Pipeline ROW	80	-	0.0641	-	1,034	-	4-3
S-A3a	UNT to North Fork Fishing Creek	Wetzel	Huntington	39.551814	-80.545633	Intermittent	RPW	Warmwater Fishery, Tier 2	05030201	Pipeline ROW	80	-	0.0166	-	267	-	4-4
S-J66	UNT to North Fork Fishing Creek	Wetzel	Huntington	39.546030	-80.544314	Intermittent	RPW	Warmwater Fishery, Tier 2	05030201	Timber Mat Crossing	20	-	0.0014	-	7	-	4-5
S-A5a	UNT to Fallen Timber Run	Wetzel	Huntington	39.534241	-80.540995	Intermittent	RPW	Warmwater Fishery, Tier 2	05030201	Timber Mat Crossing	30	-	0.0028	-	13	-	4-8
S-A6a	Fallen Timber Run	Wetzel	Huntington	39.534023	-80.540889	Perennial	RPW	Warmwater Fishery, Tier 1	05030201	Timber Mat Crossing	20	-	0.0092	-	44	-	4-9
S-A125	Price Run	Wetzel	Huntington	39.503477	-80.532902	Perennial	RPW	Warmwater Fishery, Tier 1	05030201	Timber Mat Crossing	20	-	0.0161	-	78	-	4-19
S-A124	UNT to Price Run	Wetzel	Huntington	39.503288	-80.532680	Intermittent	RPW	Warmwater Fishery, Tier 2	05030201	Pipeline ROW	100	-	0.0276	-	445	-	4-19
S-A118	UNT to Price Run	Wetzel	Huntington	39.502399	-80.523520	Intermittent	RPW	Warmwater Fishery, Tier 2	05030201	Pipeline ROW	79	-	0.0109	-	176	-	4-20
S-A120	Stout Run	Wetzel	Huntington	39.489914	-80.522135	Intermittent	RPW	Warmwater Fishery, Tier 1	05030201	Temporary Access Road	8	-	0.0011	-	5	-	4-23
S-A120	Stout Run	Wetzel	Huntington	39.489890	-80.522083	Intermittent	RPW	Warmwater Fishery, Tier 1	05030201	Permanent Access Road	-	26	-	0.0036	-	15	4-23
S-A120	Stout Run	Wetzel	Huntington	39.489866	-80.522029	Intermittent	RPW	Warmwater Fishery, Tier 1	05030201	Temporary Access Road	9	-	0.0012	-	6	-	4-23
S-A120	Stout Run	Wetzel	Huntington	39.489712	-80.520728	Intermittent	RPW	Warmwater Fishery, Tier 1	05030201	Timber Mat Crossing	20	-	0.0028	-	13	-	4-23
S-A119	UNT to Stout Run	Wetzel	Huntington	39.489589	-80.520532	Intermittent	RPW	Warmwater Fishery, Tier 2	05030201	Timber Mat Crossing	134	-	0.0154	-	74	-	4-23

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Stream ID	NHD Stream Name ¹	County	USACE District	Latitude ²	Longitude ²	Flow Regime	Water Type ³	Stream Designation ⁴	HUC 8	Impact Type	Temporary Impact (linear ft)	Permanent Impact (linear ft)	Temporary Impact Area (acres) ⁵	Permanent Impact Area (acres) ⁵	Temporary Fill (cubic yard) ⁶	Permanent Fill (cubic yard) ⁷	Figure
S-QR34	UNT to Stout Run	Wetzel	Huntington	39.489140	-80.520658	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05030201	Permanent Access Road	-	125	-	0.0072	-	24	4-23
S-QR34	UNT to Stout Run	Wetzel	Huntington	39.489062	-80.520519	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05030201	Temporary Access Road	8	-	0.0004	-	2	-	4-23
S-J60	Sams Run	Wetzel	Huntington	39.474354	-80.511825	Perennial	RPW	Warmwater Fishery, Tier 2	05030201	Timber Mat Crossing	20	-	0.0064	-	31	-	4-26
S-J56	Manion Run	Wetzel	Huntington	39.464315	-80.502077	Perennial	RPW	Warmwater Fishery, Tier 2	05030201	Timber Mat Crossing	20	-	0.0046	-	22	-	4-28
S-J56	Manion Run	Wetzel	Huntington	39.464105	-80.502318	Perennial	RPW	Warmwater Fishery, Tier 2	05030201	Temporary Access Road	23	-	0.0054	-	26	-	4-28
S-J56	Manion Run	Wetzel	Huntington	39.463899	-80.502594	Perennial	RPW	Warmwater Fishery, Tier 2	05030201	Permanent Access Road	-	41	-	0.0095	-	46	4-28
S-J59	UNT to Manion Run	Wetzel	Huntington	39.462705	-80.504726	Intermittent	RPW	Warmwater Fishery, Tier 2	05030201	Permanent Access Road	-	7	-	0.0005	-	2	4-28
S-J59	UNT to Manion Run	Wetzel	Huntington	39.462684	-80.504736	Intermittent	RPW	Warmwater Fishery, Tier 2	05030201	Temporary Access Road	10	-	0.0007	-	3	-	4-28
S-J58	UNT to Manion Run	Wetzel	Huntington	39.462546	-80.505386	Perennial	RPW	Warmwater Fishery, Tier 2	05030201	Permanent Access Road	26	-	0.0030	-	14	-	4-28
S-K77	Traugh Fork	Doddridge	Huntington	39.229029	-80.552534	Intermittent	RPW	Warmwater Fishery, Tier 2	05030201	Pipeline ROW	37	-	0.0034	-	54	-	4-80
S-K77	Traugh Fork	Doddridge	Huntington	39.228942	-80.552437	Intermittent	RPW	Warmwater Fishery, Tier 2	05030201	Pipeline ROW	93	-	0.0085	-	137	-	4-80
S-K67	UNT to Big Issac Creek	Doddridge	Huntington	39.210269	-80.553179	Intermittent	RPW	Warmwater Fishery, Tier 2	05030201	Pipeline ROW	77	-	0.0177	-	285	-	4-84
S-K65	UNT to Big Issac Creek	Doddridge	Huntington	39.209813	-80.552450	Intermittent	RPW	Warmwater Fishery, Tier 2	05030201	Pipeline ROW	90	-	0.0165	-	267	-	4-84
S-K54	UNT to Big Issac Creek	Doddridge	Huntington	39.207673	-80.552957	Intermittent	RPW	Warmwater Fishery, Tier 2	05030201	Timber Mat Crossing	20	-	0.0032	-	16	-	4-84
S-K58	UNT to Big Issac Creek	Doddridge	Huntington	39.205595	-80.553224	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05030201	Timber Mat Crossing	20	-	0.0011	-	6	-	4-84
S-K59	UNT to Big Issac Creek	Doddridge	Huntington	39.204704	-80.553272	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05030201	Timber Mat Crossing	20	-	0.0011	-	6	-	4-84
S-K60	UNT to Big Issac Creek	Doddridge	Huntington	39.203779	-80.553410	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05030201	Timber Mat Crossing	20	-	0.0018	-	9	-	4-84
S-A110/K62	UNT to Laural Run	Doddridge	Huntington	39.201316	-80.553306	Intermittent	RPW	Warmwater Fishery, Tier 2	05030201	Permanent Access Road	-	25	-	0.0040	-	13	4-85
S-A110/K62	UNT to Laural Run	Doddridge	Huntington	39.201286	-80.553425	Intermittent	RPW	Warmwater Fishery, Tier 2	05030201	Pipeline ROW	59	-	0.0095	-	154	-	4-85
S-A111	Laural Run	Doddridge	Huntington	39.200749	-80.553190	Perennial	RPW	Warmwater Fishery, Tier 1	05030201	Pipeline ROW	77	-	0.0247	-	399	-	4-85
S-J46	Fink Creek	Lewis	Huntington	39.094778	-80.584828	Perennial	RPW	Warmwater Fishery, Tier 1	05030203	Timber Mat Crossing	22	-	0.0076	-	37	-	4-106
S-J47b	UNT to Fink Creek	Lewis	Huntington	39.094003	-80.585481	Intermittent	RPW	Warmwater Fishery, Tier 2	05030203	Timber Mat Crossing	22	-	0.0015	-	7	-	4-106
S-I64	Leading Creek	Lewis	Huntington	39.052748	-80.582213	Perennial	RPW	Warmwater Fishery, Tier 2	05030203	Timber Mat Crossing	22	-	0.0020	-	10	-	4-114
S-KK3a	UNT to Laurel Run	Lewis	Huntington	39.019605	-80.597895	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05030203	Timber Mat Crossing	22	-	0.0010	-	5	-	4-119
S-KK5	UNT to Laurel Run	Lewis	Huntington	39.017783	-80.596853	Intermittent	RPW	Warmwater Fishery, Tier 2	05030203	Timber Mat Crossing	22	-	0.0015	-	7	-	4-119
S-KK5	UNT to Laurel Run	Lewis	Huntington	39.017738	-80.597017	Intermittent	RPW	Warmwater Fishery, Tier 2	05030203	Timber Mat Crossing	22	-	0.0015	-	7	-	4-119
S-KK5	UNT to Laurel Run	Lewis	Huntington	39.017718	-80.597027	Intermittent	RPW	Warmwater Fishery, Tier 2	05030203	Timber Mat Crossing	22	-	0.0015	-	7	-	4-119
S-KK6	UNT Laurel Run	Lewis	Huntington	39.017621	-80.596939	Intermittent	RPW	Warmwater Fishery, Tier 2	05030203	Timber Mat Crossing	22	-	0.0015	-	7	-	4-119
S-KK7	Laurel Run	Lewis	Huntington	39.017519	-80.597010	Perennial	RPW	Warmwater Fishery, Tier 2	05030203	Timber Mat Crossing	22	-	0.0030	-	15	-	4-119
S-K45	UNT to Cove Lick	Lewis	Huntington	39.002598	-80.595591	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05030203	ATWS	50	-	0.0011	-	6	-	4-121
S-K43	Cove Lick	Lewis	Huntington	39.002111	-80.595843	Perennial	RPW	Warmwater Fishery, Tier 2	05030203	Permanent Access Road	-	27	-	0.0043	-	21	4-121
S-K43	Cove Lick	Lewis	Huntington	39.002045	-80.596098	Perennial	RPW	Warmwater Fishery, Tier 2	05030203	Timber Mat Crossing	22	-	0.0035	-	17	-	4-121
S-K38	UNT to Rock Run	Lewis	Huntington	38.992357	-80.592929	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05030203	Timber Mat Crossing	22	-	0.0015	-	7	-	4-123
S-I63	Sand Fork	Lewis	Huntington	38.969369	-80.593138	Perennial	RPW	Non-listed mussels, Warmwater Fishery, Tier 1	05030203	Pipeline ROW	60	-	0.0275	-	444	-	4-128
S-I63	Sand Fork	Lewis	Huntington	38.969290	-80.593203	Perennial	RPW	Non-listed mussels, Warmwater Fishery, Tier 1	05030203	Permanent Access Road	-	26	-	0.0119	-	58	4-128
S-I63	Sand Fork	Lewis	Huntington	38.969239	-80.593244	Perennial	RPW	Non-listed mussels, Warmwater Fishery, Tier 1	05030203	Temporary Access Road	8	-	0.0037	-	18	-	4-128
S-H160	Indian Fork	Lewis	Huntington	38.933179	-80.584562	Perennial	RPW	Warmwater Fishery, Tier 1	05030203	Timber Mat Crossing	23	-	0.0106	-	59	-	4-135
S-L76	Indian Fork	Lewis	Huntington	38.929761	-80.575251	Perennial	RPW	Warmwater Fishery, Tier 1	05030203	Permanent Access Road	33	-	0.0115	-	56	-	4-137
S-H153	UNT to Sugar Camp Run	Lewis	Huntington	38.922846	-80.579227	Perennial	RPW	Warmwater Fishery, Tier 2	05030203	Pipeline ROW	76	-	0.0262	-	423	-	4-136
S-H145	UNT to Indian Fork	Lewis	Huntington	38.918986	-80.573838	Perennial	RPW	Warmwater Fishery, Tier 2	05030203	Pipeline ROW	91	-	0.0313	-	505	-	4-140
S-H165	UNT to Indian Fork	Lewis	Huntington	38.918602	-80.573256	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05030203	Pipeline ROW	144	-	0.0198	-	320	-	4-140
S-CV3	Threelick Run	Lewis	Huntington	38.913415	-80.571854	Perennial	RPW	Warmwater Fishery, Tier 1	05030203	Timber Mat Crossing	22	-	0.0030	-	15	-	4-142
S-CD16	UNT to Second Big Run	Lewis	Huntington	38.904135	-80.563719	Intermittent	RPW	Warmwater Fishery, Tier 2	05030203	Timber Mat Crossing	173	-	0.0318	-	154	-	4-144
S-VV13	Second Big Run	Lewis	Huntington	38.903930	-80.563537	Perennial	RPW	Warmwater Fishery, Tier 2	05030203	Timber Mat Crossing	80	-	0.0275	-	133	-	4-144
S-VV11	UNT to Second Big Run	Lewis	Huntington	38.903610	-80.563186	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05030203	Pipeline ROW	7	-	0.0007	-	3	-	4-144
S-VV12	UNT to Second Big Run	Lewis	Huntington	38.903575	-80.563308	Perennial	RPW	Warmwater Fishery, Tier 2	05030203	Pipeline ROW	77	-	0.0211	-	341	-	4-144
S-VV13d	Second Big Run	Lewis	Huntington	38.902549	-80.564778	Perennial	RPW	Warmwater Fishery, Tier 2	05030203	Temporary Access Road	61	-	0.0210	-	102	-	4-144
S-VV20	UNT to Second Big Run	Lewis	Huntington	38.900233	-80.563491	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05030203	Temporary Access Road	40	-	0.0028	-	13	-	4-145
S-VV19	UNT to Second Big Run	Lewis	Huntington	38.899505	-80.563925	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05030203	Temporary Access Road	62	-	0.0043	-	21	-	4-146
S-VV13b	Second Big Run	Lewis	Huntington	38.898431	-80.568250	Perennial	RPW	Warmwater Fishery, Tier 2	05030203	Temporary Access Road	42	-	0.0143	-	69	-	4-146
S-VV18	UNT to Second Big Run	Lewis	Huntington	38.897028	-80.567634	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05030203	Temporary Access Road	41	-	0.0075	-	36	-	4-146
S-VV16	UNT to Second Big Run	Lewis	Huntington	38.896271	-80.566551	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05030203	Temporary Access Road	293	-	0.0202	-	98	-	4-146
S-VV16	UNT to Second Big Run	Lewis	Huntington	38.895455	-80.566432	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05030203	Temporary Access Road	211	-	0.0145	-	70	-	4-146
S-UV11	Oil Creek	Lewis	Huntington	38.893014	-80.556192	Perennial	RPW	Warmwater Fishery, Tier 2	05030203	Pipeline ROW	51	-	0.0351	-	567	-	4-148
S-UV11	Oil Creek	Lewis	Huntington	38.893014	-80.556192	Perennial	RPW	Warmwater Fishery, Tier 2	05030203	Permanent Access Road	-	25	-	-	0	-	4-148
S-VV22	UNT to Oil Creek	Lewis	Huntington	38.890411	-80.550986	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05030203	Temporary Access Road	43	-	0.0029	-	12	-	4-148
S-VV21	UNT to Oil Creek	Lewis	Huntington	38.890221	-80.553817	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05030203	Temporary Access Road	18	-	0.0012	-	5	-	4-148
S-L61	Crooked Run	Lewis	Huntington	38.880040	-80.563579	Intermittent	RPW	Warmwater Fishery, Tier 2	05030203	Permanent Access Road	-	30	-	0.0069	-	33	4-151
S-L61	Crooked Run	Lewis	Huntington	38.879034	-80.564307	Intermittent	RPW	Warmwater Fishery, Tier 2	05030203	Permanent Access Road	-	28	-	0.0064	-	31	4-151

Table 2. Stream Impacts
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Stream ID	NHD Stream Name ¹	County	USACE District	Latitude ²	Longitude ²	Flow Regime	Water Type ³	Stream Designation ⁴	HUC 8	Impact Type	Temporary Impact (linear ft)	Permanent Impact (linear ft)	Temporary Impact Area (acres) ⁵	Permanent Impact Area (acres) ⁵	Temporary Fill (cubic yard) ⁶	Permanent Fill (cubic yard) ⁷	Figure
S-VV9	UNT to Clover Fork	Lewis	Huntington	38.863254	-80.525763	Perennial	RPW	Warmwater Fishery, Tier 2	05030203	Timber Mat Crossing	22	-	0.0051	-	24	-	4-158
S-L51	Barbecue Run	Braxton	Huntington	38.839355	-80.519693	Perennial	RPW	Warmwater Fishery, Tier 2	05030203	Timber Mat Crossing	22	-	0.0101	-	49	-	4-161
S-J37	UNT to Barbecue Run	Braxton	Huntington	38.839133	-80.519716	Intermittent	RPW	Warmwater Fishery, Tier 2	05030203	Timber Mat Crossing	22	-	0.0015	-	7	-	4-162
S-L57	UNT to Barbecue Run	Braxton	Huntington	38.828310	-80.525753	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05030203	Temporary Access Road	-	26	-	0.0024	-	12	4-165
S-L57	UNT to Barbecue Run	Braxton	Huntington	38.828300	-80.525691	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05030203	Temporary Access Road/ATWS	25	-	0.0023	-	11	-	4-165
S-L60	Left Fork Knawl Creek	Braxton	Huntington	38.824034	-80.524988	Perennial	RPW	Warmwater Fishery, Tier 2	05030203	Pipeline ROW	75	-	0.0517	-	833	-	4-165
S-LL1	Knawl Creek	Braxton	Huntington	38.823595	-80.525342	Perennial	RPW	Warmwater Fishery, Tier 2	05030203	Pipeline ROW	88	-	0.0607	-	980	-	4-165
S-IJ27	Little Knawl Creek	Braxton	Huntington	38.809593	-80.541252	Perennial	RPW	Warmwater Fishery, Tier 2	05030203	Permanent Access Road	-	34	-	0.0156	-	76	4-168
S-IJ32	UNT to Little Knawl Creek	Braxton	Huntington	38.809568	-80.537319	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05030203	Permanent Access Road	-	26	-	0.0030	-	14	4-168
S-IJ27	Little Knawl Creek	Braxton	Huntington	38.808878	-80.543272	Perennial	RPW	Warmwater Fishery, Tier 2	05030203	Permanent Access Road	-	50	-	0.0230	-	111	4-168
S-QR30	UNT to Little Knawl Creek	Braxton	Huntington	38.807940	-80.535715	Perennial	RPW	Warmwater Fishery, Tier 2	05030203	Pipeline ROW	79	-	0.0274	-	442	-	4-168
S-JJ1	UNT to Keith Run	Braxton	Huntington	38.786930	-80.530028	Perennial	RPW	Warmwater Fishery, Tier 2	05030203	Timber Mat Crossing	22	-	0.0071	-	34	-	4-172
S-I60	UNT to Falls Run	Braxton	Huntington	38.781068	-80.524577	Intermittent	RPW	Warmwater Fishery, Tier 2	05030203	Timber Mat Crossing	22	-	0.0020	-	10	-	4-174
S-J70	Falls Run	Braxton	Huntington	38.778955	-80.525862	Perennial	RPW	Warmwater Fishery, Tier 2	05030203	Pipeline ROW	77	-	0.0530	-	854	-	4-174
S-K34	Hemp Patch Run	Braxton	Huntington	38.766123	-80.520308	Intermittent	RPW	Warmwater Fishery, Tier 2	05030203	Timber Mat Crossing	22	-	0.0025	-	12	-	4-178
S-K33	UNT to Hemp Patch Run	Braxton	Huntington	38.765714	-80.520032	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05030203	Timber Mat Crossing	22	-	0.0010	-	5	-	4-178
S-H123	UNT to Elliott Run	Braxton	Huntington	38.761197	-80.514887	Perennial	RPW	Warmwater Fishery, Tier 2	05030203	Pipeline ROW	82	-	0.0113	-	183	-	4-178
S-H123	UNT to Elliott Run	Braxton	Huntington	38.760426	-80.513624	Perennial	RPW	Warmwater Fishery, Tier 2	05030203	Pipeline ROW	82	-	0.0113	-	182	-	4-178
S-H127	UNT to Elliott Run	Braxton	Huntington	38.755029	-80.513692	Intermittent	RPW	Warmwater Fishery, Tier 2	05030203	Timber Mat Crossing	22	-	0.0020	-	10	-	4-180
S-H132	Little Kanawha River	Braxton	Huntington	38.751499	-80.514919	Perennial	RPW	Warmwater Fishery, Tier 2	05030203	Timber Mat Crossing	120	-	0.0606	-	293	-	4-180
S-H129	UNT to Little Kanawha River	Braxton	Huntington	38.749321	-80.514337	Intermittent	RPW	Warmwater Fishery, Tier 2	05030203	Timber Mat Crossing	22	-	0.0010	-	5	-	4-183
S-H131	UNT to Little Kanawha River	Braxton	Huntington	38.749215	-80.514370	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05030203	Timber Mat Crossing	22	-	0.0010	-	5	-	4-183
S-H117	Stonecoal Run	Braxton	Huntington	38.731020	-80.506280	Perennial	RPW	Warmwater Fishery, Tier 2	05030203	Pipeline ROW	82	-	0.0283	-	456	-	4-188
S-L46	UNT to Laurel Run	Braxton	Huntington	38.721880	-80.499258	Perennial	RPW	Warmwater Fishery, Tier 2	05030203	Pipeline ROW	78	-	0.0267	-	431	-	4-190
S-L44	UNT to Laurel Run	Braxton	Huntington	38.716945	-80.494589	Perennial	RPW	Warmwater Fishery, Tier 2	05030203	Pipeline ROW	81	-	0.0185	-	298	-	4-193
S-I57	Mudlick Run	Braxton	Huntington	38.697413	-80.489560	Perennial	RPW	Warmwater Fishery, Tier 2	05050007	Pipeline ROW	77	-	0.0528	-	852	-	4-196
S-A96/A103	UNT to Left Fork Holly River	Webster	Huntington	38.688706	-80.478590	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050007	Pipeline ROW	83	-	0.0114	-	185	-	4-198
S-A97	UNT to Left Fork Holly River	Webster	Huntington	38.688329	-80.478406	Intermittent	RPW	Warmwater Fishery, Tier 2	05050007	Pipeline ROW	125	-	0.0229	-	370	-	4-198
S-A99	UNT to Left Fork Holly River	Webster	Huntington	38.688120	-80.478371	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050007	Pipeline ROW	34	-	0.0039	-	19	-	4-198
S-A98	UNT to Left Fork Holly River	Webster	Huntington	38.687906	-80.478024	Intermittent	RPW	Warmwater Fishery, Tier 2	05050007	Pipeline ROW/Temporary Access Road	392	-	0.0629	-	1015	-	4-198
S-A100	Left Fork Holly River	Webster	Huntington	38.676643	-80.477940	Perennial	RPW	Category B-2 Trout Waters, Tier 2	05050007	Timber Mat Crossing	22	-	0.0404	-	196	-	4-200
S-E78/E82/R1	UNT to Left Fork Holly River	Webster	Huntington	38.676223	-80.477663	Perennial	RPW	Category B-2 Trout Waters, Tier 2	05050007	Pipeline ROW	102	-	0.0094	-	151	-	4-200
S-E76	UNT to Left Fork Holly River	Webster	Huntington	38.674988	-80.477360	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050007	Timber Mat Crossing	22	-	0.0015	-	7	-	4-200
S-KK2	UNT to Left Fork Holly River	Webster	Huntington	38.672226	-80.476315	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050007	Pipeline ROW	75	-	0.0052	-	84	-	4-200
S-KK3b	UNT to Left Fork Holly River	Webster	Huntington	38.672110	-80.476515	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050007	Pipeline ROW	100	-	0.0069	-	111	-	4-201
S-KK4b	UNT to Left Fork Holly River	Webster	Huntington	38.671976	-80.476825	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050007	Pipeline ROW	88	-	0.0061	-	98	-	4-201
S-E74	UNT to Left Fork Holly River	Webster	Huntington	38.671971	-80.476990	Perennial	RPW	Warmwater Fishery, Tier 2	05050007	Pipeline ROW	68	-	0.0062	-	30	-	4-200
S-F40	Oldlick Creek	Webster	Huntington	38.667943	-80.479023	Perennial	RPW	Category B-2 Trout Waters, Tier 2	05050007	Timber Mat Crossing	22	-	0.0126	-	61	-	4-201
S-S1	UNT to Oldlick Creek	Webster	Huntington	38.667020	-80.478624	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050007	Pipeline ROW	21	-	0.0010	-	5	-	4-201
S-S4	UNT to Oldlick Creek	Webster	Huntington	38.664389	-80.484709	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050007	Temporary Access Road	45	-	0.0021	-	10	-	4-204
S-F43	UNT to Oldlick Creek	Webster	Huntington	38.663706	-80.478644	Perennial	RPW	Category B-2 Trout Waters, Tier 2	05050007	Pipeline ROW	101	-	0.0232	-	375	-	4-202
S-E67	Right Fork Holly Creek	Webster	Huntington	38.648021	-80.489704	Perennial	RPW	Category B-2 Trout Waters, Tier 2	05050007	Pipeline ROW	92	-	0.1803	-	2910	-	4-206
S-B62	Narrows Run	Webster	Huntington	38.646185	-80.486813	Perennial	RPW	Warmwater Fishery, Tier 2	05050007	ATWS	15	-	0.0103	-	50	-	4-215
S-B62	Narrows Run	Webster	Huntington	38.643910	-80.485213	Perennial	RPW	Warmwater Fishery, Tier 2	05050007	Permanent Access Road	-	29	-	0.0200	-	97	4-215
S-E71	UNT to Elk River	Webster	Huntington	38.614405	-80.506004	Intermittent	RPW	Warmwater Fishery, Tier 2	05050007	Pipeline ROW	44	-	0.0020	-	33	-	4-218
S-H111	UNT to Elk River	Webster	Huntington	38.613367	-80.504620	Intermittent	RPW	Warmwater Fishery, Tier 2	05050007	Timber Mat Crossing	22	-	0.0020	-	10	-	4-218
S-H111	UNT to Elk River	Webster	Huntington	38.613341	-80.504620	Intermittent	RPW	Warmwater Fishery, Tier 2	05050007	Timber Mat Crossing	22	-	0.0020	-	10	-	4-218
S-H114	UNT to Elk River	Webster	Huntington	38.613259	-80.504243	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050007	Timber Mat Crossing	22	-	0.0010	-	5	-	4-218
S-H112	UNT to Elk River	Webster	Huntington	38.613163	-80.504012	Intermittent	RPW	Warmwater Fishery, Tier 2	05050007	Timber Mat Crossing	22	-	0.0015	-	7	-	4-218
S-H113	UNT to Elk River	Webster	Huntington	38.612982	-80.503647	Perennial	RPW	Warmwater Fishery, Tier 2	05050007	Pipeline ROW	74	-	0.0203	-	327	-	4-218
S-H113	UNT to Elk River	Webster	Huntington	38.612878	-80.503687	Perennial	RPW	Warmwater Fishery, Tier 2	05050007	Pipeline ROW	9	-	0.0026	-	42	-	4-218
S-H113	UNT to Elk River	Webster	Huntington	38.612874	-80.503682	Perennial	RPW	Warmwater Fishery, Tier 2	05050007	Pipeline ROW	9	-	0.0026	-	41	-	4-218
S-H110	UNT to Houston Run	Webster	Huntington	38.587200	-80.509634	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050007	Timber Mat Crossing	22	-	0.0015	-	7	-	4-222
S-T29	Houston Run	Webster	Huntington	38.579092	-80.525620	Perennial	RPW	Warmwater Fishery, Tier 2	05050007	Pipeline ROW	76	-	0.0525	-	847	-	4-230
S-A83/A91	UNT to Camp Creek	Webster	Huntington	38.557064	-80.535592	Perennial	RPW	Category B-2 Trout Waters, Tier 2	05050007	Pipeline ROW	75	-	0.0518	-	835	-	4-235
S-A93	UNT to Camp Creek	Webster	Huntington	38.556823	-80.535751	Ephemeral	NRPW	Category B-2 Trout Waters, Tier 2	05050007	Temporary Access Road	13	-	0.0025	-	12	-	4-235
S-A93	UNT to Camp Creek	Webster	Huntington	38.556682	-80.535572	Ephemeral	NRPW	Category B-2 Trout Waters, Tier 2	05050007	Pipeline ROW	105	-	0.0193	-	312	-	4-235
S-A92	UNT to Camp Creek	Webster	Huntington	38.556658	-80.535607	Ephemeral	NRPW	Category B-2 Trout Waters, Tier 2	05050007	Pipeline ROW	59	-	0.0175	-	282	-	4-235
S-H108	Lower Laurel Fork	Webster	Huntington	38.549358	-80.539260	Perennial	RPW	Category B-2 Trout Waters, Tier 2	05050007	Pipeline ROW	78	-	0.0251	-	405	-	4-236

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S-H105	UNT to Camp Creek	Webster	Huntington	38.548824	-80.539644	Perennial	RPW	Category B-2 Trout Waters, Tier 2	05050007	Pipeline ROW	121	-	0.0083	-	135	-	4-236
S-H107	UNT to Camp Creek	Webster	Huntington	38.548467	-80.540073	Intermittent	RPW	Category B-2 Trout Waters, Tier 2	05050007	Pipeline ROW	10	-	0.0003	-	5	-	4-236
S-H107	UNT to Camp Creek	Webster	Huntington	38.548463	-80.540050	Intermittent	RPW	Category B-2 Trout Waters, Tier 2	05050007	Permanent Access Road	-	30	-	0.0010	-	3	4-236
S-H107	UNT to Camp Creek	Webster	Huntington	38.548378	-80.539980	Intermittent	RPW	Category B-2 Trout Waters, Tier 2	05050007	Pipeline ROW	90	-	0.0031	-	50	-	4-236
S-H104	Camp Creek	Webster	Huntington	38.548121	-80.540431	Perennial	RPW	Category B-2 Trout Waters, Tier 2	05050007	Pipeline ROW	104	-	0.0360	-	580	-	4-236
S-H103	UNT to Camp Creek	Webster	Huntington	38.545817	-80.542972	Intermittent	RPW	Category B-2 Trout Waters, Tier 2	05050007	Pipeline ROW	37	-	0.0034	-	16	-	4-248
S-B34	Amos Run	Webster	Huntington	38.493956	-80.560990	Perennial	RPW	Warmwater Fishery, Tier 2	05050007	Pipeline ROW	81	-	0.0561	-	904	-	4-260
S-B35	UNT to Amos Run	Webster	Huntington	38.493884	-80.560969	Intermittent	RPW	Warmwater Fishery, Tier 2	05050007	Pipeline ROW	80	-	0.0037	-	59	-	4-260
S-B36	UNT to Amos Run	Webster	Huntington	38.493819	-80.560919	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050007	Pipeline ROW	72	-	0.0033	-	53	-	4-260
S-B37	UNT to Amos Run	Webster	Huntington	38.493750	-80.560898	Intermittent	RPW	Warmwater Fishery, Tier 2	05050007	Pipeline ROW	82	-	0.0038	-	61	-	4-260
S-B38	UNT to Amos Run	Webster	Huntington	38.493723	-80.560843	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050007	Pipeline ROW	43	-	0.0020	-	32	-	4-260
S-B42	UNT to Amos Run	Webster	Huntington	38.493645	-80.560892	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050007	Pipeline ROW	101	-	0.0046	-	75	-	4-260
S-B39b	UNT to Amos Run	Webster	Huntington	38.493532	-80.560792	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050007	Pipeline ROW	142	-	0.0008	-	13	-	4-260
S-B45	UNT to Amos Run	Webster	Huntington	38.493394	-80.560786	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050007	Pipeline ROW	177	-	0.0122	-	196	-	4-260
S-B39a/B46	UNT to Amos Run	Webster	Huntington	38.493363	-80.560657	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050007	Pipeline ROW	110	-	0.0076	-	122	-	4-260
S-B39b	UNT to Amos Run	Webster	Huntington	38.493352	-80.560574	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050007	Pipeline ROW	3	-	0.0002	-	0	-	4-260
S-B39a/B46	UNT to Amos Run	Webster	Huntington	38.493227	-80.560529	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050007	Pipeline ROW	11	-	0.0007	-	12	-	4-260
S-O4	Lost Run	Webster	Huntington	38.483002	-80.556464	Perennial	RPW	Warmwater Fishery, Tier 2	05050007	Pipeline ROW	92	-	0.0379	-	612	-	4-263
S-O5	UNT to Laurel Creek	Webster	Huntington	38.482251	-80.555499	Ephemeral	NRPW	Category B-2 Trout Waters, Tier 2	05050007	Timber Mat Crossing	22	-	0.0010	-	5	-	4-263
S-A81	UNT to Laurel Creek	Webster	Huntington	38.481219	-80.554668	Ephemeral	NRPW	Category B-2 Trout Waters, Tier 2	05050007	Temporary Access Road	81	-	0.0037	-	18	-	4-263
S-A79	Laurel Creek	Webster	Huntington	38.480782	-80.554682	Perennial	RPW	Category B-2 Trout Waters, Tier 2	05050007	Timber Mat Crossing	55	-	0.0278	-	134	-	4-263
S-A80	UNT to Laurel Creek	Webster	Huntington	38.480687	-80.554061	Intermittent	RPW	Category B-2 Trout Waters, Tier 2	05050007	Temporary Access Road	104	-	0.0096	-	46	-	4-263
S-E58	Little Glade Run	Webster	Huntington	38.443669	-80.551989	Perennial	RPW	Warmwater Fishery, Tier 2	05050007	Timber Mat Crossing	22	-	0.0040	-	20	-	4-269
S-E55	UNT to Laurel Creek	Webster	Huntington	38.440270	-80.559955	Ephemeral	NRPW	Category B-2 Trout Waters, Tier 2	05050007	Timber Mat Crossing	22	-	0.0010	-	5	-	4-271
S-F35	UNT to Birch River	Webster	Huntington	38.424082	-80.570710	Perennial	RPW	Warmwater Fishery, Tier 2	05050007	Timber Mat Crossing	22	-	0.0025	-	12	-	4-278
S-F34	UNT to Birch River	Webster	Huntington	38.423988	-80.570680	Perennial	RPW	Warmwater Fishery, Tier 2	05050007	Timber Mat Crossing	22	-	0.0025	-	12	-	4-278
S-F36a	UNT to Birch River	Webster	Huntington	38.422056	-80.569457	Perennial	RPW	Warmwater Fishery, Tier 2	05050007	Temporary Access Road	5	-	0.0006	-	11	-	4-278
S-F36a	UNT to Birch River	Webster	Huntington	38.421474	-80.570012	Perennial	RPW	Warmwater Fishery, Tier 2	05050007	Temporary Access Road	23	-	0.0027	-	13	-	4-278
S-F36a	UNT to Birch River	Webster	Huntington	38.418662	-80.573898	Perennial	RPW	Warmwater Fishery, Tier 2	05050007	Temporary Access Road	23	-	0.0027	-	13	-	4-278
S-F36a	UNT to Birch River	Webster	Huntington	38.418122	-80.574566	Perennial	RPW	Warmwater Fishery, Tier 2	05050007	Temporary Access Road	20	-	0.0023	-	3	-	4-278
S-F36b	UNT to Birch River	Webster	Huntington	38.417934	-80.576775	Perennial	RPW	Warmwater Fishery, Tier 2	05050007	Temporary Access Road	65	-	0.0300	-	145	-	4-279
S-F36b	UNT to Birch River	Webster	Huntington	38.417774	-80.576635	Perennial	RPW	Warmwater Fishery, Tier 2	05050007	Pipeline ROW	78	-	0.0359	-	580	-	4-279
S-F36b	UNT to Birch River	Webster	Huntington	38.417693	-80.576495	Perennial	RPW	Warmwater Fishery, Tier 2	05050007	Temporary Access Road	16	-	0.0074	-	36	-	4-279
S-F37	UNT to Birch River	Webster	Huntington	38.417651	-80.576431	Perennial	RPW	Warmwater Fishery, Tier 2	05050007	Temporary Access Road	20	-	0.0018	-	9	-	4-279
S-C49	UNT to Birch River	Webster	Huntington	38.416587	-80.577890	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050007	Timber Mat Crossing	22	-	0.0015	-	7	-	4-279
S-B33	UNT to Meadow Fork	Webster	Huntington	38.408941	-80.589063	Intermittent	RPW	Warmwater Fishery, Tier 2	05050007	Timber Mat Crossing	22	-	0.0051	-	24	-	4-281
S-B32-Braid	UNT to Meadow Fork	Webster	Huntington	38.405871	-80.591069	Perennial	RPW	Warmwater Fishery, Tier 2	05050007	Timber Mat Crossing	22	-	0.0035	-	17	-	4-281
S-B32	UNT to Meadow Fork	Webster	Huntington	38.405683	-80.591116	Perennial	RPW	Warmwater Fishery, Tier 2	05050007	Timber Mat Crossing	22	-	0.0035	-	17	-	4-281
S-EF40	UNT to Meadow Fork	Webster	Huntington	38.400883	-80.597787	Intermittent	RPW	Warmwater Fishery, Tier 2	05050007	Anode Bed	52	-	0.0084	-	41	-	4-282
S-B30	UNT to Meadow Fork	Webster	Huntington	38.399733	-80.597536	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050007	Anode Bed	27	-	0.0024	-	12	-	4-282
S-B29	Meadow Fork	Webster	Huntington	38.399618	-80.597332	Perennial	RPW	Warmwater Fishery, Tier 1	05050007	Pipeline ROW	85	-	0.0136	-	220	-	4-282
S-E50	UNT to Gauley River	Webster	Huntington	38.370597	-80.611921	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	93	-	0.0085	-	138	-	4-289
S-E52	UNT to Gauley River	Webster	Huntington	38.369110	-80.611761	Intermittent	RPW	Warmwater Fishery, Tier 2	05050005	Timber Mat Crossing	22	-	0.0015	-	7	-	4-290
S-E50	UNT to Gauley River	Webster	Huntington	38.367280	-80.612317	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	82	-	0.0075	-	122	-	4-289
S-E49	UNT to Gauley River	Nicholas	Huntington	38.365574	-80.613141	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	88	-	0.0020	-	33	-	4-290
S-E46	Strouds Creek	Webster	Huntington	38.363374	-80.617277	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Timber Mat Crossing	22	-	0.0152	-	73	-	4-291
S-E46	Strouds Creek	Webster	Huntington	38.363326	-80.616955	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Temporary Access Road	43	-	0.0296	-	143	-	4-291
S-F21	Barn Run	Nicholas	Huntington	38.355859	-80.633328	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Timber Mat Crossing	22	-	0.0020	-	10	-	4-293
S-F20	Barn Run	Nicholas	Huntington	38.355800	-80.633223	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Timber Mat Crossing	22	-	0.0051	-	24	-	4-293
S-IJ57	UNT to Barn Run	Nicholas	Huntington	38.352362	-80.636401	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	82	-	0.0094	-	152	-	4-293
S-IJ59	UNT to Barn Run	Nicholas	Huntington	38.348372	-80.641152	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050005	Timber Mat Crossing	22	-	0.0035	-	17	-	4-295
S-IJ60	UNT to Rockcamp Run	Nicholas	Huntington	38.343699	-80.644721	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	77	-	0.0141	-	227	-	4-296
S-IJ62	UNT to Cherry Run	Nicholas	Huntington	38.343547	-80.647035	Intermittent	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	79	-	0.0054	-	88	-	4-296
S-B28	Cherry Run	Nicholas	Huntington	38.340083	-80.655413	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Timber Mat Crossing	22	-	0.0051	-	24	-	4-298
S-B26	UNT to Cherry Run	Nicholas	Huntington	38.339012	-80.659609	Intermittent	RPW	Warmwater Fishery, Tier 2	05050005	Temporary Access Road	43	-	0.0039	-	19	-	4-299
S-J32	Big Beaver Creek	Nicholas	Huntington	38.331763	-80.670342	Perennial	RPW	Warmwater Fishery, Tier 1	05050005	Timber Mat Crossing	22	-	0.0177	-	86	-	4-301
S-A76	UNT to Big Beaver Creek	Nicholas	Huntington	38.329126	-80.671211	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	77	-	0.0106	-	172	-	4-301
S-A75	UNT to Big Beaver Creek	Nicholas	Huntington	38.326001	-80.670358	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	84	-	0.0193	-	311	-	4-302
S-A74	UNT to Big Beaver Creek	Nicholas	Huntington	38.325540	-80.670150	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	75	-	0.0069	-	112	-	4-302

Table 2. Stream Impacts
Individual Permit Application
Mountain Valley Pipeline Project

Stream ID	NHD Stream Name ¹	County	USACE District	Latitude ²	Longitude ²	Flow Regime	Water Type ³	Stream Designation ⁴	HUC 8	Impact Type	Temporary Impact (linear ft)	Permanent Impact (linear ft)	Temporary Impact Area (acres) ⁵	Permanent Impact Area (acres) ⁵	Temporary Fill (cubic yard) ⁶	Permanent Fill (cubic yard) ⁷	Figure
S-A73	UNT to Big Beaver Creek	Nicholas	Huntington	38.323815	-80.670069	Intermittent	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	83	-	0.0114	-	184	-	4-302
S-A72	UNT to Big Beaver Creek	Nicholas	Huntington	38.321687	-80.670952	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050005	Timber Mat Crossing	22	-	0.0020	-	10	-	4-302
S-A71	UNT to Big Beaver Creek	Nicholas	Huntington	38.321572	-80.670958	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Timber Mat Crossing	22	-	0.0020	-	10	-	4-302
S-A71-Braid	UNT to Big Beaver Creek	Nicholas	Huntington	38.321548	-80.670969	Intermittent	RPW	Warmwater Fishery, Tier 2	05050005	Timber Mat Crossing	22	-	0.0040	-	20	-	4-302
S-A67	UNT to Big Beaver Creek	Nicholas	Huntington	38.317575	-80.671553	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	76	-	0.0121	-	196	-	4-303
S-A69	UNT to Big Beaver Creek	Nicholas	Huntington	38.317217	-80.671495	Intermittent	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	82	-	0.0113	-	183	-	4-303
S-A69	UNT to Big Beaver Creek	Nicholas	Huntington	38.317089	-80.671565	Intermittent	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	16	-	0.0022	-	36	-	4-303
S-H99	UNT to Big Beaver Creek	Nicholas	Huntington	38.312952	-80.673145	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	96	-	0.0088	-	142	-	4-304
S-H96	UNT to Big Beaver Creek	Nicholas	Huntington	38.309759	-80.675706	Intermittent	RPW	Warmwater Fishery, Tier 2	05050005	Temporary Access Road	39	-	0.0018	-	9	-	4-304
S-H95	UNT to Big Beaver Creek	Nicholas	Huntington	38.309738	-80.675733	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050005	Temporary Access Road	259	-	0.0178	-	86	-	4-304
S-A65	Big Beaver Creek	Nicholas	Huntington	38.308183	-80.675347	Perennial	RPW	Warmwater Fishery, Tier 1	05050005	Pipeline ROW	77	-	0.1240	-	2000	-	4-304
S-A64	UNT to Granny Run	Nicholas	Huntington	38.304538	-80.673827	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	54	-	0.0086	-	139	-	4-306
S-N15	UNT to Granny Run	Nicholas	Huntington	38.301571	-80.674776	Intermittent	RPW	Warmwater Fishery, Tier 2	05050005	Timber Mat Crossing	22	-	0.0061	-	29	-	4-306
S-N14	Granny Run	Nicholas	Huntington	38.297014	-80.676341	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Timber Mat Crossing	22	-	0.0040	-	20	-	4-307
S-N14	Granny Run	Nicholas	Huntington	38.296646	-80.676258	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Timber Mat Crossing	22	-	0.0040	-	20	-	4-307
S-I43	UNT to Big Run	Nicholas	Huntington	38.293473	-80.677158	Intermittent	RPW	Warmwater Fishery, Tier 2	05050005	Timber Mat Crossing	22	-	0.0051	-	24	-	4-308
S-I44	Big Run	Nicholas	Huntington	38.291332	-80.679265	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Timber Mat Crossing	22	-	0.0040	-	20	-	4-308
S-I45	UNT to Big Run	Nicholas	Huntington	38.290061	-80.680304	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Timber Mat Crossing	22	-	0.0030	-	15	-	4-308
S-I47	UNT to Gauley River	Nicholas	Huntington	38.284291	-80.685885	Intermittent	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	80	-	0.0037	-	59	-	4-310
S-I48	UNT to Gauley River	Nicholas	Huntington	38.280116	-80.687738	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Timber Mat Crossing	22	-	0.0051	-	22	-	4-310
S-J28	UNT to Little Laurel Creek	Nicholas	Huntington	38.263235	-80.687908	Intermittent	RPW	Category B-2 Trout Waters, Tier 2	05050005	Pipeline ROW	79	-	0.0091	-	147	-	4-315
S-J25	UNT to Little Laurel Creek	Nicholas	Huntington	38.256682	-80.687348	Ephemeral	NRPW	Category B-2 Trout Waters, Tier 2	05050005	Pipeline ROW	77	-	0.0089	-	143	-	4-317
S-J24	UNT to Little Laurel Creek	Nicholas	Huntington	38.256302	-80.687350	Perennial	RPW	Category B-2 Trout Waters, Tier 1	05050005	Pipeline ROW	76	-	0.0261	-	422	-	4-317
S-J24	UNT to Little Laurel Creek	Nicholas	Huntington	38.256248	-80.687358	Perennial	RPW	Category B-2 Trout Waters, Tier 1	05050005	Pipeline ROW	76	-	0.0261	-	421	-	4-317
S-J23-EPH	UNT to Little Laurel Creek	Nicholas	Huntington	38.234331	-80.707513	Ephemeral	NRPW	Category B-2 Trout Waters, Tier 2	05050005	Pipeline ROW	109	-	0.0025	-	41	-	4-326
S-J22	UNT to Little Laurel Creek	Nicholas	Huntington	38.233718	-80.708268	Intermittent	RPW	Category B-2 Trout Waters, Tier 2	05050005	Pipeline ROW	85	-	0.0058	-	94	-	4-326
S-N10	Skelt Run	Nicholas	Huntington	38.231025	-80.710633	Perennial	RPW	Category B-2 Trout Waters, Tier 2	05050005	Pipeline ROW	78	-	0.0071	-	115	-	4-327
S-N10-Braid	Skelt Run	Nicholas	Huntington	38.230934	-80.710804	Intermittent	RPW	Category B-2 Trout Waters, Tier 2	05050005	Pipeline ROW	101	-	0.0069	-	112	-	4-327
S-EE1	UNT to Skelt Run	Nicholas	Huntington	38.228924	-80.713076	Ephemeral	NRPW	Category B-2 Trout Waters, Tier 2	05050005	Timber Mat Crossing	22	-	0.0020	-	10	-	4-327
S-N13-Braid	UNT to Skelt Run	Nicholas	Huntington	38.226869	-80.715487	Intermittent	RPW	Category B-2 Trout Waters, Tier 2	05050005	Pipeline ROW	37	-	0.0050	-	24	-	4-328
S-N13	UNT to Skelt Run	Nicholas	Huntington	38.226851	-80.715393	Intermittent	RPW	Category B-2 Trout Waters, Tier 2	05050005	Pipeline ROW	89	-	0.0041	-	66	-	4-328
S-L41	Jims Creek	Nicholas	Huntington	38.220793	-80.717100	Perennial	RPW	Category B-2 Trout Waters, Tier 2	05050005	Pipeline ROW	76	-	0.0349	-	564	-	4-328
S-L38	UNT to Riley Branch	Nicholas	Huntington	38.205534	-80.718246	Perennial	RPW	Category B-2 Trout Waters, Tier 2	05050005	Pipeline ROW	75	-	0.0052	-	83	-	4-340
S-L35	Riley Branch	Nicholas	Huntington	38.203887	-80.719122	Perennial	RPW	Category B-2 Trout Waters, Tier 2	05050005	Temporary Access Road	52	-	0.0048	-	31	-	4-341
S-L35	Riley Branch	Nicholas	Huntington	38.203887	-80.719122	Perennial	RPW	Category B-2 Trout Waters, Tier 2	05050005	Pipeline ROW	86	-	0.0079	-	128	-	4-341
S-L35	Riley Branch	Nicholas	Huntington	38.203097	-80.719248	Perennial	RPW	Category B-2 Trout Waters, Tier 2	05050005	Pipeline ROW	87	-	0.0080	-	129	-	4-341
S-L35	Riley Branch	Nicholas	Huntington	38.200338	-80.717177	Perennial	RPW	Category B-2 Trout Waters, Tier 2	05050005	Pipeline ROW	79	-	0.0072	-	117	-	4-341
S-I37	UNT to Hominy Creek	Nicholas	Huntington	38.196644	-80.718856	Ephemeral	NRPW	Category B-2 Trout Waters, Tier 2	05050005	Pipeline ROW	40	-	0.0056	-	27	-	4-342
S-I38	UNT to Hominy Creek	Nicholas	Huntington	38.194221	-80.719357	Intermittent	RPW	Category B-2 Trout Waters, Tier 2	05050005	Pipeline ROW	77	-	0.0089	-	143	-	4-342
S-I39	UNT to Hominy Creek	Nicholas	Huntington	38.194025	-80.719298	Intermittent	RPW	Category B-2 Trout Waters, Tier 2	05050005	Pipeline ROW	79	-	0.0126	-	204	-	4-342
S-I40	UNT to Hominy Creek	Nicholas	Huntington	38.187582	-80.723025	Intermittent	RPW	Category B-2 Trout Waters, Tier 2	05050005	Pipeline ROW	82	-	0.0133	-	214	-	4-343
S-I41	UNT to Hominy Creek	Nicholas	Huntington	38.179384	-80.729497	Intermittent	RPW	Category B-2 Trout Waters, Tier 2	05050005	Pipeline ROW	78	-	0.0143	-	231	-	4-344
S-I36	Hominy Creek	Nicholas	Huntington	38.178889	-80.729790	Perennial	RPW	Category B-2 Trout Waters, Tier 2	05050005	Pipeline ROW	77	-	0.0976	-	1575	-	4-347
S-I31	UNT to Hominy Creek	Nicholas	Huntington	38.163802	-80.730743	Ephemeral	NRPW	Category B-2 Trout Waters, Tier 2	05050005	Pipeline ROW	73	-	0.0033	-	54	-	4-355
S-N8a	UNT to Hominy Creek	Nicholas	Huntington	38.162363	-80.733602	Perennial	RPW	Category B-2 Trout Waters, Tier 2	05050005	Timber Mat Crossing	22	-	0.0020	-	10	-	4-355
S-VV1	UNT to Hominy Creek	Nicholas	Huntington	38.161064	-80.735022	Intermittent	RPW	Category B-2 Trout Waters, Tier 2	05050005	Timber Mat Crossing	22	-	0.0020	-	10	-	4-355
S-H88	Sugar Branch	Nicholas	Huntington	38.136744	-80.730560	Perennial	RPW	Category B-2 Trout Waters, Tier 2	05050005	Pipeline ROW	76	-	0.0697	-	1125	-	4-359
S-H71	UNT to Hominy Creek	Nicholas	Huntington	38.124315	-80.735783	Perennial	RPW	Category B-2 Trout Waters, Tier 2	05050005	Pipeline ROW	93	-	0.0257	-	415	-	4-362
S-H67	UNT to Hominy Creek	Nicholas	Huntington	38.120580	-80.736772	Perennial	RPW	Category B-2 Trout Waters, Tier 2	05050005	Pipeline ROW	85	-	0.0235	-	379	-	4-363
S-H64	UNT to Hominy Creek	Nicholas	Huntington	38.116279	-80.735319	Intermittent	RPW	Category B-2 Trout Waters, Tier 2	05050005	Pipeline ROW	87	-	0.0060	-	96	-	4-364
S-V3	UNT to Hominy Creek	Nicholas	Huntington	38.115823	-80.730960	Perennial	RPW	Category B-2 Trout Waters, Tier 2	05050005	Timber Mat Crossing	22	-	0.0061	-	29	-	4-365
S-EF41	UNT to Hominy Creek	Nicholas	Huntington	38.107549	-80.726284	Intermittent	RPW	Category B-2 Trout Waters, Tier 2	05050005	Pipeline ROW	82	-	0.0038	-	61	-	4-366
S-I19	UNT to Meadow Creek	Greenbrier	Huntington	38.028599	-80.743623	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050005	Timber Mat Crossing	22	-	0.0010	-	5	-	4-382
S-J20	UNT to Meadow Creek	Greenbrier	Huntington	38.023801	-80.747266	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Timber Mat Crossing	22	-	0.0152	-	73	-	4-385
S-I25	UNT to Meadow Creek	Greenbrier	Huntington	38.020430	-80.753194	Intermittent	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	75	-	0.0086	-	139	-	4-390
S-I26	UNT to Meadow Creek	Greenbrier	Huntington	38.019129	-80.755220	Intermittent	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	78	-	0.0090	-	145	-	4-390
S-I27	UNT to Meadow Creek	Greenbrier	Huntington	38.018031	-80.755999	Intermittent	RPW	Warmwater Fishery, Tier 2	05050005	Timber Mat Crossing	22	-	0.0025	-	12	-	4-390
S-I28	Meadow River	Greenbrier	Huntington	37.982078	-80.755369	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Timber Mat Crossing	22	-	0.0253	-	122	-	4-397
S-L26	UNT to Meadow River	Greenbrier	Huntington	37.981900	-80.755213	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	205	-	0.0141	-	227	-	4-397

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Mountain Valley Pipeline Project

Stream ID	NHD Stream Name ¹	County	USACE District	Latitude ²	Longitude ²	Flow Regime	Water Type ³	Stream Designation ⁴	HUC 8	Impact Type	Temporary Impact (linear ft)	Permanent Impact (linear ft)	Temporary Impact Area (acres) ⁵	Permanent Impact Area (acres) ⁵	Temporary Fill (cubic yard) ⁶	Permanent Fill (cubic yard) ⁷	Figure
S-L26	UNT to Meadow River	Greenbrier	Huntington	37.980598	-80.754872	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	166	-	0.0114	-	184	-	4-397
S-EF38	UNT to Little Sewell Creek	Greenbrier	Huntington	37.963259	-80.733162	Intermittent	RPW	Warmwater Fishery, Tier 2	05050005	Timber Mat Crossing	22	-	0.0015	-	7	-	4-400
S-L24	UNT to Little Sewell Creek	Greenbrier	Huntington	37.963068	-80.733141	Intermittent	RPW	Warmwater Fishery, Tier 2	05050005	Timber Mat Crossing	22	-	0.0020	-	10	-	4-400
S-L27	UNT to Little Sewell Creek	Greenbrier	Huntington	37.960725	-80.732852	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Timber Mat Crossing	22	-	0.0010	-	5	-	4-401
S-L30	UNT to Little Sewell Creek	Greenbrier	Huntington	37.954276	-80.739708	Intermittent	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	136	-	0.0093	-	151	-	4-402
S-L22	Little Sewell Creek	Greenbrier	Huntington	37.954035	-80.739868	Perennial	RPW	Warmwater Fishery, Tier 1	05050005	Pipeline ROW	75	-	0.0517	-	834	-	4-402
S-L20	UNT to Little Sewell Creek	Greenbrier	Huntington	37.949579	-80.742646	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	96	-	0.0111	-	179	-	4-403
S-L10	UNT to Boggs Creek	Greenbrier	Huntington	37.938308	-80.747009	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	103	-	0.0071	-	115	-	4-405
S-L11	UNT to Boggs Creek	Greenbrier	Huntington	37.938229	-80.746912	Intermittent	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	26	-	0.0018	-	9	-	4-405
S-I21	UNT to Boggs Creek	Greenbrier	Huntington	37.918228	-80.736774	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	30	-	0.0034	-	55	-	4-409
S-I21	UNT to Boggs Creek	Greenbrier	Huntington	37.918164	-80.736852	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	77	-	0.0089	-	143	-	4-409
S-I22	UNT to Boggs Creek	Greenbrier	Huntington	37.918041	-80.736833	Intermittent	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	94	-	0.0043	-	70	-	4-409
S-I23a	UNT to Boggs Creek	Greenbrier	Huntington	37.917347	-80.738534	Intermittent	RPW	Warmwater Fishery, Tier 2	05050005	Permanent Access Road	-	33	-	0.0030	-	10	4-409
S-IJ54	UNT to Boggs Creek	Greenbrier	Huntington	37.917125	-80.742425	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050005	Permanent Access Road	-	31	-	0.0036	-	17	4-410
S-IJ53	UNT to Boggs Creek	Greenbrier	Huntington	37.916234	-80.744156	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Permanent Access Road	-	20	-	0.0055	-	27	4-410
S-HH8	UNT to Buffalo Creek	Greenbrier	Huntington	37.865308	-80.753802	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050005	ATWS	15	-	0.0007	-	3	-	4-421
S-K25/K18	UNT to Buffalo Creek	Greenbrier	Huntington	37.863772	-80.756993	Intermittent	RPW	Warmwater Fishery, Tier 2	05050005	ATWS	70	-	0.0096	-	156	-	4-421
S-K17	Buffalo Creek	Greenbrier	Huntington	37.863065	-80.757391	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	75	-	0.0432	-	698	-	4-420
S-K19	UNT to Buffalo Creek	Greenbrier	Huntington	37.860940	-80.757825	Intermittent	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	93	-	0.0107	-	172	-	4-421
S-K21	UNT to Buffalo Creek	Greenbrier	Huntington	37.858566	-80.755584	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	82	-	0.0189	-	304	-	4-422
S-K22	UNT to Buffalo Creek	Greenbrier	Huntington	37.858315	-80.755546	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	78	-	0.0125	-	202	-	4-422
S-UV6	UNT to Morris Fork	Greenbrier	Huntington	37.854386	-80.754981	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	88	-	0.0161	-	260	-	4-422
S-UV2	Morris Fork	Greenbrier	Huntington	37.851099	-80.752978	Perennial	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	88	-	0.0324	-	523	-	4-423
S-U22	UNT to Meadow River	Greenbrier	Huntington	37.839558	-80.748496	Intermittent	RPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	80	-	0.0221	-	356	-	4-425
S-FF1	UNT to Meadow River	Greenbrier	Huntington	37.837560	-80.751903	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050005	Temporary Access Road	11	-	0.0008	-	4	-	4-425
S-FF1	UNT to Meadow River	Greenbrier	Huntington	37.837519	-80.751898	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050005	Temporary Access Road	-	31	-	0.0021	-	10	4-425
S-EE4	UNT to Red Spring Branch	Summers	Huntington	37.813881	-80.748817	Intermittent	RPW	Warmwater Fishery, Tier 2	05050004	Pipeline ROW	137	-	0.0079	-	127	-	4-429
S-M6	UNT to Red Spring Branch	Summers	Huntington	37.807650	-80.746173	Intermittent	RPW	Warmwater Fishery, Tier 2	05050004	Pipeline ROW	110	-	0.0101	-	163	-	4-430
S-J13	UNT to Patterson Creek	Summers	Huntington	37.797484	-80.733605	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	92	-	0.0085	-	137	-	4-432
S-J13	UNT to Patterson Creek	Summers	Huntington	37.796572	-80.732397	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	96	-	0.0088	-	142	-	4-432
S-J13	UNT to Patterson Creek	Summers	Huntington	37.795915	-80.731850	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050005	Pipeline ROW	124	-	0.0114	-	183	-	4-432
S-M5	Red Spring Branch	Summers	Huntington	37.792243	-80.728802	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050004	Timber Mat Crossing	22	-	0.0030	-	15	-	4-433
S-M4	UNT to Red Spring Branch	Summers	Huntington	37.786834	-80.728719	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050004	Temporary Access Road	47	-	0.0032	-	16	-	4-434
S-I13	UNT to Lick Creek	Summers	Huntington	37.782534	-80.719085	Intermittent	RPW	Warmwater Fishery, Tier 2	05050004	Timber Mat Crossing	22	-	0.0076	-	37	-	4-437
S-I14	UNT to Lick Creek	Summers	Huntington	37.781099	-80.719318	Intermittent	RPW	Warmwater Fishery, Tier 2	05050004	Timber Mat Crossing	22	-	0.0035	-	17	-	4-437
S-I15	UNT to Lick Creek	Summers	Huntington	37.779878	-80.720470	Intermittent	RPW	Warmwater Fishery, Tier 2	05050004	Timber Mat Crossing	22	-	0.0051	-	24	-	4-437
S-I16	UNT to Lick Creek	Summers	Huntington	37.779381	-80.721388	Intermittent	RPW	Warmwater Fishery, Tier 2	05050004	Timber Mat Crossing	22	-	0.0020	-	10	-	4-440
S-I12	Lick Creek	Summers	Huntington	37.775891	-80.710797	Intermittent	RPW	Warmwater Fishery, Tier 1	05050004	Permanent Access Road	-	38	-	0.0035	-	11	4-438
S-I17	UNT to Lick Creek	Summers	Huntington	37.775160	-80.728058	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050004	Pipeline ROW	78	-	0.0045	-	72	-	4-441
S-I10	UNT to Lick Creek	Summers	Huntington	37.772437	-80.713781	Intermittent	RPW	Warmwater Fishery, Tier 2	05050004	Permanent Access Road	-	26	-	0.0018	-	9	4-439
S-I19	Lick Creek	Summers	Huntington	37.772089	-80.732901	Perennial	RPW	Warmwater Fishery, Tier 1	05050004	Pipeline ROW	77	-	0.0265	-	428	-	4-441
S-I20	UNT to Lick Creek	Summers	Huntington	37.771406	-80.733241	Perennial	RPW	Warmwater Fishery, Tier 2	05050004	Pipeline ROW	92	-	0.0212	-	342	-	4-441
S-N5	UNT to Hungard Creek	Summers	Huntington	37.704240	-80.744827	Perennial	RPW	Warmwater Fishery, Tier 2	05050003	Pipeline ROW	87	-	0.0040	-	65	-	4-459
S-K14	UNT to Righthand Fork Hungard Creek	Summers	Huntington	37.696788	-80.739242	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050003	Pipeline ROW	97	-	0.0089	-	143	-	4-460
S-N3	UNT to Hungard Creek	Summers	Huntington	37.694776	-80.736952	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050003	Timber Mat Crossing	22	-	0.0025	-	12	-	4-461
S-N2	Hungard Creek	Summers	Huntington	37.694507	-80.736682	Perennial	RPW	Warmwater Fishery, Tier 1	05050003	Timber Mat Crossing	22	-	0.0101	-	49	-	4-461
S-CD23	UNT to Hungard Creek	Summers	Huntington	37.694228	-80.736099	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050003	Timber Mat Crossing	22	-	0.0045	-	22	-	4-461
S-N4	UNT to Hungard Creek	Summers	Huntington	37.693961	-80.735841	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050003	Timber Mat Crossing	22	-	0.0015	-	7	-	4-461
S-KL29	Right Fork Hungard Creek	Summers	Huntington	37.692932	-80.733839	Perennial	RPW	Warmwater Fishery, Tier 1	05050003	Pipeline ROW	75	-	0.0863	-	1392	-	4-461
S-M3	Hungard Creek	Summers	Huntington	37.692868	-80.734247	Perennial	RPW	Warmwater Fishery, Tier 2	05050003	Pipeline ROW	80	-	0.0183	-	295	-	4-461
S-CV17	UNT to Greenbrier River	Summers	Huntington	37.681865	-80.730095	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050003	Pipeline ROW	76	-	0.0070	-	34	-	4-464
S-EF53	UNT to Greenbrier River	Summers	Huntington	37.681323	-80.729672	Intermittent	RPW	Warmwater Fishery, Tier 2	05050003	Temporary Access Road	51	-	0.0095	-	46	-	4-464
S-I9	UNT to Greenbrier River	Summers	Huntington	37.675977	-80.732822	Intermittent	RPW	Warmwater Fishery, Tier 2	05050003	Timber Mat Crossing	22	-	0.0035	-	17	-	4-465
S-K10	UNT to Greenbrier River	Summers	Huntington	37.675079	-80.734384	Intermittent	RPW	Warmwater Fishery, Tier 2	05050003	Temporary Access Road	9	-	0.0013	-	6	-	4-465
S-K10	UNT to Greenbrier River	Summers	Huntington	37.675070	-80.734447	Intermittent	RPW	Warmwater Fishery, Tier 2	05050003	Permanent Access Road	-	31	-	0.0043	-	21	4-465
S-K10	UNT to Greenbrier River	Summers	Huntington	37.675058	-80.734522	Intermittent	RPW	Warmwater Fishery, Tier 2	05050003	Temporary Access Road	9	-	0.0013	-	6	-	4-465
S-L4	UNT to Greenbrier River	Summers	Huntington	37.673213	-80.729772	Perennial	RPW	Warmwater Fishery, Tier 2	05050003	Pipeline ROW	77	-	0.0176	-	284	-	4-465
S-L2	UNT to Greenbrier River	Summers	Huntington	37.671392	-80.728311	Intermittent	RPW	Warmwater Fishery, Tier 2	05050003	Pipeline ROW	88	-	0.0081	-	130	-	4-467
S-L1	UNT to Kelly Creek	Summers	Huntington	37.668076	-80.723470	Perennial	RPW	Warmwater Fishery, Tier 2	05050003	Pipeline ROW	76	-	0.0104	-	168	-	4-468

Table 2. Stream Impacts
Individual Permit Application
Mountain Valley Pipeline Project

Stream ID	NHD Stream Name ¹	County	USACE District	Latitude ²	Longitude ²	Flow Regime	Water Type ³	Stream Designation ⁴	HUC 8	Impact Type	Temporary Impact (linear ft)	Permanent Impact (linear ft)	Temporary Impact Area (acres) ⁵	Permanent Impact Area (acres) ⁵	Temporary Fill (cubic yard) ⁶	Permanent Fill (cubic yard) ⁷	Figure
S-J5	Kelly Creek	Summers	Huntington	37.666864	-80.721794	Perennial	RPW	Warmwater Fishery, Tier 1	05050003	Pipeline ROW	103	-	0.0471	-	759	-	4-468
S-K4	UNT to Keller Creek	Summers	Huntington	37.665806	-80.725709	Intermittent	RPW	Warmwater Fishery, Tier 2	05050003	Temporary Access Road	-	22	-	0.0010	-	4	4-468
S-J4	UNT to Keller Creek	Summers	Huntington	37.663926	-80.715460	Intermittent	RPW	Warmwater Fishery, Tier 2	05050003	Timber Mat Crossing	22	-	0.0025	-	12	-	4-469
S-G47	UNT to Wind Creek	Summers	Huntington	37.654112	-80.702579	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050003	Timber Mat Crossing	22	-	0.0010	-	5	-	4-471
S-G52	UNT to Wind Creek	Monroe	Huntington	37.627537	-80.695593	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050003	Timber Mat Crossing	22	-	0.0010	-	5	-	4-479
S-G49	UNT to Wind Creek	Monroe	Huntington	37.627381	-80.695679	Perennial	RPW	Warmwater Fishery, Tier 2	05050003	Timber Mat Crossing	22	-	0.0101	-	49	-	4-479
S-G48	Wind Creek	Monroe	Huntington	37.627308	-80.695759	Perennial	RPW	Warmwater Fishery, Tier 2	05050003	Timber Mat Crossing	22	-	0.0101	-	49	-	4-479
S-H61	UNT to Stoney Creek	Monroe	Huntington	37.618426	-80.699138	Perennial	RPW	Warmwater Fishery, Tier 2	05050003	Timber Mat Crossing	22	-	0.0126	-	61	-	4-483
S-OP1	Stony Creek	Monroe	Huntington	37.600003	-80.700509	Perennial	RPW	Warmwater Fishery, Tier 2	05050003	Pipeline ROW	78	-	0.0090	-	145	-	4-487
S-IJ64	UNT to Little Stony Creek	Monroe	Huntington	37.591822	-80.705874	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050003	Timber Mat Crossing	22	-	0.0030	-	15	-	4-488
S-A63	Slate Run	Monroe	Huntington	37.560706	-80.709825	Perennial	RPW	Warmwater Fishery, Tier 2	05050002	Permanent Access Road	-	25	-	0.0057	-	28	4-492
S-A63	Slate Run	Monroe	Huntington	37.560460	-80.710233	Perennial	RPW	Warmwater Fishery, Tier 2	05050002	Pipeline ROW	88	-	0.0203	-	327	-	4-492
S-A61	UNT to Slate Run	Monroe	Huntington	37.559351	-80.709683	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050002	Temporary Access Road	8	-	0.0012	-	6	-	4-493
S-A61	UNT to Slate Run	Monroe	Huntington	37.559334	-80.709736	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050002	Permanent Access Road	-	26	-	0.0041	-	14	4-493
S-A61	UNT to Slate Run	Monroe	Huntington	37.559328	-80.709792	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050002	Temporary Access Road	8	-	0.0013	-	6	-	4-493
S-A61	UNT to Slate Run	Monroe	Huntington	37.559320	-80.710037	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050002	Pipeline ROW	81	-	0.0131	-	211	-	4-493
S-A60	Slate Run	Monroe	Huntington	37.558698	-80.709966	Perennial	RPW	Warmwater Fishery, Tier 2	05050002	Pipeline ROW	87	-	0.0358	-	578	-	4-492
S-CV26	UNT to Slate Run	Monroe	Huntington	37.556445	-80.708883	Perennial	RPW	Warmwater Fishery, Tier 2	05050002	Permanent Access Road	-	32	-	0.0044	-	21	4-493
S-D31	Indian Creek	Monroe	Huntington	37.554163	-80.710853	Perennial	RPW	Warmwater Fishery, Tier 1	05050002	Pipeline ROW	75	-	0.1120	-	1807	-	4-493
S-D29	UNT to Hans Creek	Monroe	Huntington	37.547394	-80.712099	Intermittent	RPW	Warmwater Fishery, Tier 2	05050002	Timber Mat Crossing	22	-	0.0020	-	10	-	4-494
S-D25	UNT to Hans Creek	Monroe	Huntington	37.538768	-80.718855	Intermittent	RPW	Warmwater Fishery, Tier 2	05050002	Timber Mat Crossing	22	-	0.0020	-	10	-	4-496
S-F18	UNT to Hans Creek	Monroe	Huntington	37.538273	-80.719070	Perennial	RPW	Warmwater Fishery, Tier 2	05050002	Temporary Access Road	-	26	-	0.0107	-	52	4-496
S-F18	UNT to Hans Creek	Monroe	Huntington	37.536872	-80.716923	Perennial	RPW	Warmwater Fishery, Tier 2	05050002	Timber Mat Crossing	22	-	0.0091	-	44	-	4-496
S-Z5	UNT to Hans Creek	Monroe	Huntington	37.524333	-80.711450	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050002	Pipeline ROW	75	-	0.0034	-	56	-	4-499
S-Z4	UNT to Hans Creek	Monroe	Huntington	37.524302	-80.711444	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050002	Pipeline ROW	75	-	0.0043	-	69	-	4-499
S-MN2	UNT to Hans Creek	Monroe	Huntington	37.520012	-80.707606	Perennial	RPW	Warmwater Fishery, Tier 2	05050002	Pipeline ROW	81	-	0.0130	-	210	-	4-500
S-CV19	Hans Creek	Monroe	Huntington	37.500284	-80.691498	Perennial	RPW	Warmwater Fishery, Tier 1	05050002	Pipeline ROW	77	-	0.0619	-	998	-	4-505
S-MN38	UNT to Blue Lick Creek	Monroe	Huntington	37.487721	-80.681929	Intermittent	RPW	Warmwater Fishery, Tier 2	05050002	Pipeline ROW	22	-	0.0030	-	48	-	4-510
S-MN37	UNT to Blue Lick Creek	Monroe	Huntington	37.487584	-80.681992	Intermittent	RPW	Warmwater Fishery, Tier 2	05050002	Pipeline ROW	95	-	0.0040	-	65	-	4-510
S-MN40	UNT to Blue Lick Creek	Monroe	Huntington	37.487519	-80.681996	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050002	Pipeline ROW	37	-	0.0010	-	16	-	4-510
S-G44	UNT to Hans Creek	Monroe	Huntington	37.474870	-80.676267	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050002	Pipeline ROW	86	-	0.0079	-	128	-	4-511
S-G43	UNT to Hans Creek	Monroe	Huntington	37.473139	-80.675738	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050002	Timber Mat Crossing	22	-	0.0025	-	12	-	4-511
S-G42	UNT to Hans Creek	Monroe	Huntington	37.472602	-80.675456	Intermittent	RPW	Warmwater Fishery, Tier 2	05050002	Pipeline ROW	79	-	0.0055	-	88	-	4-512
S-MN45	UNT to Hans Creek	Monroe	Huntington	37.462878	-80.670284	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050002	Pipeline ROW	87	-	0.0040	-	65	-	4-513
S-CV27	UNT to Hans Creek	Monroe	Huntington	37.462850	-80.669582	Intermittent	RPW	Warmwater Fishery, Tier 2	05050002	Pipeline ROW	37	-	0.0017	-	8	-	4-513
S-E43	UNT to Dry Creek	Monroe	Huntington	37.453834	-80.664417	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050002	Pipeline ROW	92	-	0.0147	-	237	-	4-515
S-E45	UNT to Dry Creek	Monroe	Huntington	37.453798	-80.664266	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050002	Pipeline ROW	101	-	0.0069	-	112	-	4-515
S-E45	UNT to Dry Creek	Monroe	Huntington	37.453718	-80.664097	Ephemeral	NRPW	Warmwater Fishery, Tier 2	05050002	Pipeline ROW	7	-	0.0005	-	8	-	4-515
S-E40	Dry Creek	Monroe	Huntington	37.451003	-80.667795	Perennial	RPW	Warmwater Fishery, Tier 1	05050002	Temporary Access Road	43	-	0.0117	-	57	-	4-515
S-E40	Dry Creek	Monroe	Huntington	37.450757	-80.667719	Perennial	RPW	Warmwater Fishery, Tier 1	05050002	Pipeline ROW	82	-	0.0227	-	366	-	4-515
S-E41	UNT to Dry Creek	Monroe	Huntington	37.450692	-80.667650	Intermittent	RPW	Warmwater Fishery, Tier 2	05050002	Pipeline ROW	23	-	0.0010	-	5	-	4-516
S-C38	UNT to Painter Run	Monroe	Huntington	37.427033	-80.694254	Intermittent	RPW	Warmwater Fishery, Tier 2	05050002	Pipeline ROW	25	-	0.0041	-	66	-	4-521
S-C38	UNT to Painter Run	Monroe	Huntington	37.426915	-80.694499	Intermittent	RPW	Warmwater Fishery, Tier 2	05050002	Pipeline ROW	89	-	0.0143	-	231	-	4-521
S-C39	Painter Run	Monroe	Huntington	37.426686	-80.694499	Perennial	RPW	Warmwater Fishery, Tier 1	05050002	Pipeline ROW	109	-	0.0125	-	202	-	4-521
S-C41	UNT to Painter Run	Monroe	Huntington	37.426161	-80.694592	Intermittent	RPW	Warmwater Fishery, Tier 2	05050002	Pipeline ROW	143	-	0.0100	-	161	-	4-521
S-C40	UNT to Painter Run	Monroe	Huntington	37.425372	-80.693417	Perennial	RPW	Warmwater Fishery, Tier 2	05050002	Temporary Access Road	77	-	0.0053	-	26	-	4-521
S-Q12	UNT to Kimballton Branch	Giles	Norfolk	37.375311	-80.680878	Ephemeral	NRPW	Natural Trout, Coldwater Fishery	05050002	Pipeline ROW	86	-	0.0079	-	127	-	4-531
S-Q13	Kimballton Branch	Giles	Norfolk	37.374377	-80.682038	Perennial	RPW	Natural Trout, Coldwater Fishery	05050002	Pipeline ROW	90	-	0.0310	-	500	-	4-532
S-P6	UNT to Stony Creek	Giles	Norfolk	37.362202	-80.688092	Ephemeral	NRPW	Natural Trout, Coldwater Fishery	05050002	Pipeline ROW	78	-	0.0107	-	173	-	4-535
S-S5-Braid-2	Stony Creek	Giles	Norfolk	37.360325	-80.684214	Ephemeral	NRPW	Natural Trout, Coldwater Fishery	05050002	Timber Mat Crossing	20	-	0.0028	-	13	-	4-536
S-S5-Braid-1	Stony Creek	Giles	Norfolk	37.360276	-80.684193	Ephemeral	NRPW	Natural Trout, Coldwater Fishery	05050002	Timber Mat Crossing	20	-	0.0032	-	16	-	4-536
S-S5	Stony Creek	Giles	Norfolk	37.360071	-80.683960	Perennial	RPW	Candy darter, Green floater, pistol grip, Natural Trout, Coldwater Fishery, Stockable Trout	05050002	Timber Mat Crossing	40	-	0.0184	-	178	-	4-536
S-G29	UNT to Dry Branch	Giles	Norfolk	37.350430	-80.658259	Ephemeral	NRPW	-	05050002	Pipeline ROW	30	-	0.0028	-	13	-	4-541
S-G30	UNT to Dry Branch	Giles	Norfolk	37.350373	-80.658230	Ephemeral	NRPW	-	05050002	Pipeline ROW	85	-	0.0156	-	252	-	4-541
S-G32	Dry Branch	Giles	Norfolk	37.349095	-80.652040	Intermittent	RPW	-	05050002	Pipeline ROW	110	-	0.0152	-	244	-	4-542
S-G33	UNT to Dry Branch	Giles	Norfolk	37.348641	-80.647225	Perennial	RPW	-	05050002	Pipeline ROW	99	-	0.0182	-	293	-	4-542
S-G35	UNT to Little Stony Creek	Giles	Norfolk	37.344876	-80.633426	Perennial	RPW	Natural Trout, Coldwater Fishery	05050002	Timber Mat Crossing	25	-	0.0115	-	69	-	4-544
S-SS4	UNT to Little Stony Creek	Giles	Norfolk	37.344859	-80.631295	Ephemeral	NRPW	Natural Trout, Coldwater Fishery	05050002	Timber Mat Crossing	20	-	0.0014	-	7	-	4-544
S-G35	UNT to Little Stony Creek	Giles	Norfolk	37.344779	-80.633379	Perennial	RPW	Natural Trout, Coldwater Fishery	05050002	Timber Mat Crossing	25	-	0.0115	-	69	-	4-544

Table 2. Stream Impacts
Individual Permit Application
Mountain Valley Pipeline Project

Stream ID	NHD Stream Name ¹	County	USACE District	Latitude ²	Longitude ²	Flow Regime	Water Type ³	Stream Designation ⁴	HUC 8	Impact Type	Temporary Impact (linear ft)	Permanent Impact (linear ft)	Temporary Impact Area (acres) ⁵	Permanent Impact Area (acres) ⁵	Temporary Fill (cubic yard) ⁶	Permanent Fill (cubic yard) ⁷	Figure
S-Z7	UNT to Little Stony Creek	Giles	Norfolk	37.344278	-80.626185	Intermittent	RPW	Natural Trout, Coldwater Fishery	05050002	Timber Mat Crossing	20	-	0.0014	-	7	-	4-545
S-Z7-Braid-1	UNT to Little Stony Creek	Giles	Norfolk	37.344277	-80.626113	Ephemeral	NRPW	Natural Trout, Coldwater Fishery	05050002	Timber Mat Crossing	20	-	0.0014	-	7	-	4-545
S-Z9	UNT to Little Stony Creek	Giles	Norfolk	37.344163	-80.628400	Perennial	RPW	Natural Trout, Coldwater Fishery	05050002	Timber Mat Crossing	20	-	0.0018	-	9	-	4-544
S-Z10	UNT to Little Stony Creek	Giles	Norfolk	37.342351	-80.620823	Intermittent	RPW	Natural Trout, Coldwater Fishery	05050002	Timber Mat Crossing	20	-	0.0055	-	27	-	4-545
S-Z11	UNT to Little Stony Creek	Giles	Norfolk	37.342236	-80.620542	Perennial	RPW	Natural Trout, Coldwater Fishery, Stockable Trout	05050002	Timber Mat Crossing	20	-	0.0023	-	11	-	4-545
S-Z12-EPH	UNT to Little Stony Creek	Giles	Norfolk	37.342214	-80.620312	Ephemeral	RPW	Natural Trout, Coldwater Fishery	05050002	Timber Mat Crossing	20	-	0.0028	-	13	-	4-545
S-Z13	Little Stony Creek	Giles	Norfolk	37.342172	-80.620090	Perennial	RPW	Natural Trout, Coldwater Fishery, Stockable Trout	05050002	Timber Mat Crossing	25	-	0.0115	-	69	-	4-545
S-Z14	UNT to Little Stony Creek	Giles	Norfolk	37.340977	-80.618031	Intermittent	RPW	Natural Trout, Coldwater Fishery	05050002	Timber Mat Crossing	20	-	0.0018	-	9	-	4-545
S-YZ1	Doe Creek	Giles	Norfolk	37.338952	-80.614618	Intermittent	RPW	-	05050002	Temporary Access Road	102	-	0.0234	-	113	-	4-546
S-A34	UNT to Doe Creek	Giles	Norfolk	37.337763	-80.606008	Ephemeral	NRPW	-	05050002	Pipeline ROW	86	-	0.0138	-	223	-	4-548
S-A33	UNT to Doe Creek	Giles	Norfolk	37.337639	-80.605571	Ephemeral	NRPW	-	05050002	Pipeline ROW	111	-	0.0178	-	288	-	4-548
S-YZ1	Doe Creek	Giles	Norfolk	37.337562	-80.614711	Intermittent	RPW	-	05050002	Temporary Access Road	92	-	0.0211	-	102	-	4-546
S-YZ1	Doe Creek	Giles	Norfolk	37.337048	-80.614625	Intermittent	RPW	-	05050002	Temporary Access Road	121	-	0.0278	-	134	-	4-546
S-A32	UNT to Doe Creek	Giles	Norfolk	37.335094	-80.596868	Perennial	RPW	-	05050002	Pipeline ROW	78	-	0.0287	-	462	-	4-549
S-QQ2	Sinking Creek	Craig	Norfolk	37.333152	-80.429438	Perennial	RPW	Natural Trout, Coldwater Fishery, Stockable Trout	05050002	Temporary Access Road	40	-	0.0321	-	156	-	4-581
S-MN11-Upstream	UNT to Sinking Creek	Giles	Norfolk	37.332869	-80.559168	Ephemeral	NRPW	-	05050002	Temporary Access Road	15	-	0.0014	-	7	-	4-554
S-MN11-Upstream	UNT to Sinking Creek	Giles	Norfolk	37.332191	-80.559979	Ephemeral	NRPW	-	05050002	Temporary Access Road	30	-	0.0028	-	13	-	4-554
S-MN11-Downstream	UNT to Sinking Creek	Giles	Norfolk	37.332146	-80.560079	Ephemeral	NRPW	-	05050002	Temporary Access Road	37	-	0.0042	-	21	-	4-554
S-Y3	UNT to Doe Creek	Giles	Norfolk	37.331748	-80.583355	Ephemeral	NRPW	-	05050002	Timber Mat Crossing	20	-	0.0046	-	22	-	4-551
S-Y2	Doe Creek	Giles	Norfolk	37.331332	-80.583047	Perennial	RPW	-	05050002	Timber Mat Crossing	25	-	0.0115	-	69	-	4-551
S-PP4	UNT to Sinking Creek	Craig	Norfolk	37.328329	-80.422810	Intermittent	RPW	Natural Trout, Coldwater Fishery	05050002	Pipeline ROW	84	-	0.0039	-	62	-	4-579
S-PP3	UNT to Sinking Creek	Craig	Norfolk	37.326705	-80.425803	Perennial	RPW	Natural Trout, Coldwater Fishery	05050002	Pipeline ROW	82	-	0.0056	-	91	-	4-579
S-RR4	UNT to Sinking Creek	Giles	Norfolk	37.326015	-80.556831	Perennial	RPW	-	05050002	Temporary Access Road	85	-	0.0059	-	28	-	4-556
S-E24	UNT to Sinking Creek	Giles	Norfolk	37.325728	-80.565082	Perennial	RPW	Natural Trout, Coldwater Fishery	05050002	Pipeline ROW	81	-	0.0372	-	600	-	4-553
S-E25-Downstream	UNT to Sinking Creek	Giles	Norfolk	37.325638	-80.564680	Perennial	RPW	Natural Trout, Coldwater Fishery	05050002	Timber Mat Crossing	20	-	0.0037	-	18	-	4-553
S-E25-Upstream	UNT to Sinking Creek	Giles	Norfolk	37.325607	-80.564373	Perennial	RPW	Natural Trout, Coldwater Fishery	05050002	Pipeline ROW	15	-	0.0034	-	17	-	4-553
S-E25-Downstream	UNT to Sinking Creek	Giles	Norfolk	37.325566	-80.564634	Perennial	RPW	Natural Trout, Coldwater Fishery	05050002	Timber Mat Crossing	20	-	0.0037	-	18	-	4-553
S-PP1	UNT to Sinking Creek	Craig	Norfolk	37.324781	-80.431446	Intermittent	RPW	Natural Trout, Coldwater Fishery	05050002	Pipeline ROW	86	-	0.0059	-	96	-	4-578
S-RR5	UNT to Sinking Creek	Giles	Norfolk	37.323702	-80.555627	Perennial	RPW	Natural Trout, Coldwater Fishery	05050002	Pipeline ROW	83	-	0.0191	-	307	-	4-555
S-PA07	UNT to Sinking Creek	Giles	Norfolk	37.323533	-80.555257	Intermittent	RPW	-	05050002	Pipeline ROW	115	-	0.0053	-	85	-	4-555
S-IJ18-EPH	UNT to Sinking Creek	Giles	Norfolk	37.322737	-80.552396	Ephemeral	NRPW	-	05050002	Pipeline ROW	74	-	0.0102	-	164	-	4-555
S-IJ19	UNT to Sinking Creek	Giles	Norfolk	37.322194	-80.553058	Ephemeral	NRPW	-	05050002	Temporary Access Road	43	-	0.0039	-	19	-	4-555
S-IJ19	UNT to Sinking Creek	Giles	Norfolk	37.321823	-80.55311	Ephemeral	NRPW	-	05050002	Temporary Access Road	9	-	0.0008	-	4	-	4-555
S-IJ18-INT	UNT to Sinking Creek	Giles	Norfolk	37.321756	-80.553011	Intermittent	RPW	-	05050002	Temporary Access Road	44	-	0.0040	-	20	-	4-555
S-PP22	UNT to Craig Creek	Montgomery	Norfolk	37.321090	-80.412831	Intermittent	RPW	Atlantic Pigtoe, Coldwater Fishery	02080201	Timber Mat Crossing	44	-	0.0040	-	20	-	4-584
S-OO12	UNT to Sinking Creek	Giles	Norfolk	37.318956	-80.440648	Ephemeral	NRPW	Natural Trout, Coldwater Fishery	05050002	Pipeline ROW	25	-	0.0011	-	6	-	4-577
S-OO13	UNT to Sinking Creek	Giles	Norfolk	37.318930	-80.440930	Perennial	RPW	Natural Trout, Coldwater Fishery	05050002	Pipeline ROW	77	-	0.0354	-	570	-	4-577
S-OO14	UNT to Sinking Creek	Giles	Norfolk	37.318647	-80.441619	Perennial	RPW	Natural Trout, Coldwater Fishery	05050002	Pipeline ROW	86	-	0.0079	-	127	-	4-577
S-IJ17	UNT to Sinking Creek	Giles	Norfolk	37.318324	-80.547720	Ephemeral	NRPW	Natural Trout, Coldwater Fishery	05050002	Pipeline ROW	31	-	0.0057	-	28	-	4-558
S-IJ16-b	UNT to Sinking Creek	Giles	Norfolk	37.318246	-80.547711	Ephemeral	NRPW	Natural Trout, Coldwater Fishery	05050002	Pipeline ROW	78	-	0.0179	-	289	-	4-558
S-PP21	UNT to Craig Creek	Montgomery	Norfolk	37.317187	-80.409235	Perennial	RPW	Atlantic Pigtoe, Coldwater Fishery	02080201	Timber Mat Crossing	20	-	0.0018	-	9	-	4-584
S-PP20	UNT to Craig Creek	Montgomery	Norfolk	37.316523	-80.408646	Perennial	RPW	Atlantic Pigtoe, Coldwater Fishery	02080201	Timber Mat Crossing	20	-	0.0028	-	13	-	4-584
S-RR13	Craig Creek	Montgomery	Norfolk	37.314504	-80.402613	Perennial	RPW	Atlantic Pigtoe, Stockable Trout, Coldwater Fishery	02080201	Temporary Access Road	41	-	0.0329	-	159	-	4-585
S-HH18	UNT to Craig Creek	Montgomery	Norfolk	37.313910	-80.398683	Perennial	RPW	Atlatnic pigtoe, orangefin madtom Coldwater Fishery	02080201	Timber Mat Crossing	20	-	0.0028	-	13	-	4-586
S-RR14	UNT to Craig Creek	Montgomery	Norfolk	37.313615	-80.402521	Ephemeral	NRPW	Atlantic Pigtoe, Coldwater Fishery	02080201	Timber Mat Crossing	20	-	0.0032	-	16	-	4-585
S-OO6	Craig Creek	Montgomery	Norfolk	37.313511	-80.404606	Perennial	RPW	Atlantic Pigtoe, Stockable Trout, Coldwater Fishery	02080201	Timber Mat Crossing	35	-	0.0161	-	136	-	4-585
S-QQ3	UNT to Sinking Creek	Giles	Norfolk	37.311869	-80.532365	Ephemeral	NRPW	-	05050002	Temporary Access Road	15	-	0.0007	-	3	-	4-560
S-IJ16-a	UNT to Sinking Creek	Giles	Norfolk	37.311730	-80.544091	Ephemeral	NRPW	-	05050002	Permanent Access Road	6	-	0.0010	-	5	-	4-559
S-IJ16-a	UNT to Sinking Creek	Giles	Norfolk	37.311730	-80.544091	Ephemeral	NRPW	-	05050002	Permanent Access Road	-	45	-	0.0072	-	35	4-559
S-NN17	Sinking Creek	Giles	Norfolk	37.311616	-80.515786	Perennial	RPW	Green floater, Non-listed mussels, Natural Trout, Coldwater Fishery, Stockable Trout	05050002	Timber Mat Crossing	55	-	0.0253	-	336	-	4-564
S-KL43	UNT to Sinking Creek	Giles	Norfolk	37.307524	-80.466665	Perennial	RPW	Natural Trout, Coldwater Fishery	05050002	Pipeline ROW	75	-	0.0172	-	278	-	4-573
S-NN11	UNT to Sinking Creek	Giles	Norfolk	37.305508	-80.467231	Intermittent	RPW	Natural Trout, Coldwater Fishery	05050002	Pipeline ROW	84	-	0.0096	-	156	-	4-573
S-MN12	UNT to Sinking Creek	Giles	Norfolk	37.300454	-80.472911	Ephemeral	NRPW	Natural Trout, Coldwater Fishery	05050002	Pipeline ROW	88	-	0.0040	-	65	-	4-571
S-MN21	UNT to Mill Creek	Montgomery	Norfolk	37.299397	-80.391243	Perennial	RPW	Orangefin madtom, Natural Trout, Coldwater Fishery	03010101	Pipeline ROW	80	-	0.0129	-	207	-	4-588
S-MM17	UNT to Sinking Creek	Giles	Norfolk	37.298226	-80.480624	Perennial	RPW	-	05050002	Temporary Access Road	49	-	0.0022	-	11	-	4-569
S-MN22	UNT to Mill Creek	Montgomery	Norfolk	37.297166	-80.386612	Ephemeral	NRPW	Orangefin madtom, Natural Trout, Coldwater Fishery	03010101	Pipeline ROW	96	-	0.0044	-	71	-	4-589
S-RR2	Greenbriar Branch	Giles	Norfolk	37.296666	-80.494174	Perennial	RPW	Natural Trout, Coldwater Fishery	05050002	Timber Mat Crossing	20	-	0.0037	-	18	-	4-567
S-YZ6	UNT to Greenbriar Branch	Giles	Norfolk	37.296612	-80.494165	Intermittent	RPW	Natural Trout, Coldwater Fishery	05050002	Timber Mat Crossing	20	-	0.0028	-	13	-	4-567
S-EF62	UNT to Mill Creek	Montgomery	Norfolk	37.296356	-80.375118	Perennial	RPW	Orangefin madtom, Natural Trout, Coldwater Fishery	03010101	Pipeline ROW	76	-	0.0192	-	310	-	4-590

Table 2. Stream Impacts
Individual Permit Application
Mountain Valley Pipeline Project

Stream ID	NHD Stream Name ¹	County	USACE District	Latitude ²	Longitude ²	Flow Regime	Water Type ³	Stream Designation ⁴	HUC 8	Impact Type	Temporary Impact (linear ft)	Permanent Impact (linear ft)	Temporary Impact Area (acres) ⁵	Permanent Impact Area (acres) ⁵	Temporary Fill (cubic yard) ⁶	Permanent Fill (cubic yard) ⁷	Figure	
S-MM18	UNT to Sinking Creek	Giles	Norfolk	37.296226	-80.481455	Ephemeral	NRPW	Natural Trout, Coldwater Fishery	05050002	Pipeline ROW	88	-	0.0101	-	163	-	4-569	
S-IJ52	UNT to Mill Creek	Montgomery	Norfolk	37.296153	-80.367510	Perennial	RPW	Orangefin madtom, Natural Trout, Coldwater Fishery	03010101	Pipeline ROW	84	-	0.0309	-	498	-	4-591	
S-EF65	Mill Creek	Montgomery	Norfolk	37.295743	-80.375921	Intermittent	RPW	Orangefin madtom, Non-listed mussels, Natural Trout, Coldwater Fishery, Stockable Trout	03010101	Pipeline ROW	152	-	0.0209	-	338	-	4-590	
S-G36	North Fork Roanoke River	Montgomery	Norfolk	37.268586	-80.313161	Perennial	RPW	Roanoke logperch, Orangefin madtom, Non-listed mussels, Natural Trout, Coldwater Fishery	03010101	Temporary Access Road	26	-	0.0119	-	58	-	4-602	
S-G38	UNT to North Fork Roanoke River	Montgomery	Norfolk	37.267002	-80.312898	Ephemeral	NRPW	Natural Trout, Coldwater Fishery	03010101	Timber Mat Crossing	20	-	0.0014	-	7	-	4-603	
S-G40	UNT to North Fork Roanoke River	Montgomery	Norfolk	37.264882	-80.307302	Perennial	RPW	Orangefin madtom, Natural Trout, Coldwater Fishery	03010101	Timber Mat Crossing	20	-	0.0014	-	7	-	4-603	
S-PP23	UNT to North Fork Roanoke River	Montgomery	Norfolk	37.264858	-80.307151	Ephemeral	NRPW	Natural Trout, Coldwater Fishery	03010101	Timber Mat Crossing	20	-	0.0011	-	6	-	4-604	
S-G39	UNT to North Fork Roanoke River	Montgomery	Norfolk	37.264817	-80.308486	Intermittent	RPW	Natural Trout, Coldwater Fishery	03010101	Pipeline ROW	82	-	0.0113	-	182	-	4-604	
S-MM14	UNT to Flatwoods Branch	Montgomery	Norfolk	37.258717	-80.293210	Ephemeral	NRPW	-	03010101	Pipeline ROW	105	-	0.0169	-	272	-	4-608	
S-MM15	UNT to Flatwoods Branch	Montgomery	Norfolk	37.258673	-80.296446	Intermittent	RPW	-	03010101	Pipeline ROW	82	-	0.0113	-	182	-	4-608	
S-MM11	UNT to Flatwoods Branch	Montgomery	Norfolk	37.258403	-80.288186	Ephemeral	NRPW	-	03010101	Pipeline ROW	80	-	0.0147	-	237	-	4-609	
S-F15	UNT to Flatwoods Branch	Montgomery	Norfolk	37.258198	-80.286029	Intermittent	RPW	-	03010101	Pipeline ROW	129	-	0.0178	-	287	-	4-609	
S-MM13	UNT to Flatwoods Branch	Montgomery	Norfolk	37.258176	-80.289222	Ephemeral	NRPW	-	03010101	Pipeline ROW	85	-	0.0098	-	157	-	4-608	
S-F16a/F16b	UNT to Flatwoods Branch	Montgomery	Norfolk	37.257998	-80.284735	Ephemeral	NRPW	-	03010101	Pipeline ROW	81	-	0.0056	-	90	-	4-609	
S-C36	UNT to Flatwoods Branch	Montgomery	Norfolk	37.257260	-80.281611	Intermittent	RPW	-	03010101	Pipeline ROW	96	-	0.0066	-	107	-	4-609	
S-C36	UNT to Flatwoods Branch	Montgomery	Norfolk	37.257133	-80.281475	Intermittent	RPW	-	03010101	Pipeline ROW	36	-	0.0025	-	40	-	4-609	
S-MM31	UNT to Flatwoods Branch	Montgomery	Norfolk	37.256959	-80.280329	Ephemeral	NRPW	-	03010101	Timber Mat Crossing	20	-	0.0018	-	9	-	4-609	
S-C29	Flatwoods Branch	Montgomery	Norfolk	37.256387	-80.278021	Ephemeral	NRPW	-	03010101	Pipeline ROW	46	-	0.0013	-	20	-	4-610	
S-C25	UNT to Bradshaw Creek	Montgomery	Norfolk	37.254342	-80.267895	Intermittent	RPW	Natural Trout, Coldwater Fishery	03010101	Pipeline ROW	115	-	0.0079	-	128	-	4-611	
S-C24	UNT to Bradshaw Creek	Montgomery	Norfolk	37.254135	-80.266743	Intermittent	RPW	Natural Trout, Coldwater Fishery	03010101	Pipeline ROW	108	-	0.0074	-	120	-	4-611	
S-C21	Bradshaw Creek	Montgomery	Norfolk	37.251791	-80.258990	Perennial	RPW	Roanoke logperch, Orangefin madtom, Natural Trout, Coldwater Fishery	03010101	Timber Mat Crossing	25	-	0.0115	-	69	-	4-613	
S-NN19	UNT to Roanoke River	Montgomery	Norfolk	37.244319	-80.206995	Intermittent	RPW	-	03010101	Pipeline ROW	76	-	0.0061	-	99	-	4-627	
S-AB16	UNT to Roanoke River	Montgomery	Norfolk	37.231693	-80.198778	Intermittent	RPW	-	03010101	Timber Mat Crossing	20	-	0.0023	-	11	-	4-631	
S-I1	UNT to Roanoke River	Montgomery	Norfolk	37.231179	-80.198460	Intermittent	RPW	-	03010101	Timber Mat Crossing	20	-	0.0064	-	31	-	4-631	
S-CD12b	UNT to South Fork Roanoke River	Montgomery	Norfolk	37.229764	-80.201144	Perennial	RPW	Natural Trout, Coldwater Fishery	03010101	Timber Mat Crossing	20	-	0.0028	-	13	-	4-631	
S-EF19	UNT to Indian Run	Montgomery	Norfolk	37.216102	-80.197390	Ephemeral	NRPW	Warmwater Fishery, Tier 2	03010101	Pipeline ROW	79	-	0.0091	-	146	-	4-634	
S-EF20a	UNT to Roanoke River	Montgomery	Norfolk	37.210922	-80.193318	Perennial	RPW	Orangefin madtom, Non-listed mussels	03010101	Pipeline ROW	80	-	0.0110	-	178	-	4-635	
S-MM22	UNT to Roanoke River	Montgomery	Norfolk	37.205284	-80.187282	Perennial	RPW	Orangefin madtom, Non-listed mussels	03010101	Pipeline ROW	175	-	0.0603	-	972	-	4-637	
S-IJ50	UNT to Roanoke River	Roanoke	Norfolk	37.194064	-80.167933	Perennial	RPW	Orangefin madtom, Non-listed mussels	03010101	Pipeline ROW	77	-	0.0442	-	713	-	4-641	
S-Y13	UNT to Bottom Creek	Roanoke	Norfolk	37.187687	-80.151146	Intermittent	RPW	Natural Trout, Coldwater Fishery	03010101	Pipeline ROW	85	-	0.0156	-	252	-	4-644	
S-Y14	UNT to Bottom Creek	Roanoke	Norfolk	37.187568	-80.151049	Perennial	RPW	Orangefin madtom, Non-listed mussels, Natural Trout, Coldwater Fishery	03010101	Pipeline ROW	77	-	0.0247	-	399	-	4-644	
S-EF57	UNT to Bottom Creek	Roanoke	Norfolk	37.181736	-80.148948	Intermittent	RPW	Natural Trout, Coldwater Fishery	03010101	Temporary Access Road	42	-	0.0077	-	37	-	4-645	
S-EF55	UNT to Bottom Creek	Roanoke	Norfolk	37.181506	-80.149497	Intermittent	RPW	Natural Trout, Coldwater Fishery	03010101	Pipeline ROW	33	-	0.0061	-	98	-	4-645	
S-EF34b	UNT to Bottom Creek	Roanoke	Norfolk	37.181385	-80.149140	Perennial	RPW	Orangefin madtom, Natural Trout, Coldwater Fishery	03010101	Pipeline ROW	81	-	0.0186	-	300	-	4-645	
S-EF33	UNT to Bottom Creek	Roanoke	Norfolk	37.179186	-80.141000	Intermittent	RPW	Natural Trout, Coldwater Fishery	03010101	Pipeline ROW	148	-	0.0306	-	493	-	4-647	
S-IJ82	UNT to Bottom Creek	Roanoke	Norfolk	37.170458	-80.138216	Intermittent	RPW	Natural Trout, Coldwater Fishery	03010101	Timber Mat Crossing	20	-	0.0069	-	33	-	4-648	
S-IJ85	UNT to Bottom Creek	Roanoke	Norfolk	37.169474	-80.130356	Perennial	RPW	Natural Trout, Coldwater Fishery	03010101	Permanent Access Road	-	50	-	0.0092	-	44	-	4-650
S-IJ83	UNT to Bottom Creek	Roanoke	Norfolk	37.169211	-80.138258	Intermittent	RPW	Natural Trout, Coldwater Fishery	03010101	Timber Mat Crossing	148	-	0.0170	-	82	-	4-649	
S-IJ88	Bottom Creek	Roanoke	Norfolk	37.168395	-80.138295	Perennial	RPW	Orangefin madtom, Natural Trout, Coldwater Fishery	03010101	Timber Mat Crossing	30	-	0.0450	-	726	-	4-649	
S-IJ84	UNT to Bottom Creek	Roanoke	Norfolk	37.168361	-80.138381	Perennial	RPW	Orangefin madtom, Natural Trout, Coldwater Fishery	03010101	Timber Mat Crossing	35	-	0.0121	-	58	-	4-649	
S-IJ89	UNT to Bottom Creek	Roanoke	Norfolk	37.165862	-80.139317	Perennial	RPW	Orangefin madtom, Natural Trout, Coldwater Fishery	03010101	Timber Mat Crossing	20	-	0.0046	-	22	-	4-649	
S-IJ90	UNT to Bottom Creek	Roanoke	Norfolk	37.165685	-80.139378	Intermittent	RPW	Natural Trout, Coldwater Fishery	03010101	Timber Mat Crossing	20	-	0.0023	-	11	-	4-649	
S-KL25	UNT to Mill Creek	Roanoke	Norfolk	37.160173	-80.134799	Intermittent	RPW	Natural Trout, Coldwater Fishery	03010101	Pipeline ROW	82	-	0.0094	-	152	-	4-651	
S-ST9b	UNT to Mill Creek	Roanoke	Norfolk	37.154424	-80.129179	Perennial	RPW	Orangefin madtom, Natural Trout, Coldwater Fishery	03010101	Pipeline ROW	20	-	0.0069	-	33	-	4-652	
S-ST9b	UNT to Mill Creek	Roanoke	Norfolk	37.154424	-80.129179	Perennial	RPW	Orangefin madtom, Natural Trout, Coldwater Fishery	03010101	Timber Mat Crossing	20	-	0.0069	-	33	-	4-652	
S-KL55	UNT to Mill Creek	Roanoke	Norfolk	37.150009	-80.13246	Perennial	RPW	Orangefin madtom, Natural Trout, Coldwater Fishery	03010101	Timber Mat Crossing	20	-	0.0069	-	33	-	4-653	
S-IJ12	UNT to Mill Creek	Roanoke	Norfolk	37.148333	-80.133919	Perennial	RPW	Orangefin madtom, Natural Trout, Coldwater Fishery	03010101	Timber Mat Crossing	20	-	0.0060	-	29	-	4-653	
S-EF44	UNT to Bottom Creek	Roanoke	Norfolk	37.143003	-80.138399	Intermittent	RPW	Natural Trout, Coldwater Fishery	03010101	Timber Mat Crossing	20	-	0.0032	-	16	-	4-654	
S-IJ43	Mill Creek	Roanoke	Norfolk	37.138636	-80.139715	Perennial	RPW	Orangefin madtom, Stockable Trout, Natural Trout, Coldwater Fishery	03010101	Timber Mat Crossing	20	-	0.0083	-	40	-	4-655	
S-Y9	UNT to Mill Creek	Roanoke	Norfolk	37.134576	-80.137649	Intermittent	RPW	Natural Trout, Coldwater Fishery	03010101	Timber Mat Crossing	44	-	0.0040	-	20	-	4-656	
S-Y7	UNT to Mill Creek	Roanoke	Norfolk	37.134481	-80.137622	Intermittent	RPW	Natural Trout, Coldwater Fishery	03010101	Timber Mat Crossing	32	-	0.0029	-	14	-	4-656	
S-Y8	UNT to Mill Creek	Roanoke	Norfolk	37.134176	-80.137484	Perennial	RPW	Orangefin madtom, Natural Trout, Coldwater Fishery	03010101	Timber Mat Crossing	20	-	0.0018	-	9	-	4-656	
S-B22	UNT to Mill Creek	Roanoke	Norfolk	37.128922	-80.133769	Perennial	RPW	Orangefin madtom, Natural Trout, Coldwater Fishery	03010101	Timber Mat Crossing	20	-	0.0018	-	9	-	4-659	
S-B23	UNT to Mill Creek	Roanoke	Norfolk	37.128853	-80.133910	Intermittent	RPW	Natural Trout, Coldwater Fishery	03010101	Timber Mat Crossing	14	-	0.0006	-	3	-	4-659	
S-B25	UNT to Mill Creek	Roanoke	Norfolk	37.128490	-80.132601	Intermittent	RPW	Natural Trout, Coldwater Fishery	03010101	Timber Mat Crossing	76	-	0.0087	-	42	-	4-659	
S-B21	UNT to Mill Creek	Roanoke	Norfolk	37.128484	-80.130943	Perennial	RPW	Orangefin madtom, Natural Trout, Coldwater Fishery	03010101	Pipeline ROW	92	-	0.0084	-	136	-	4-659	
S-H1	Green Creek	Franklin	Norfolk	37.127733	-80.116787	Perennial	RPW	Orangefin madtom, Natural Trout, Coldwater Fishery	03010101	Timber Mat Crossing	20	-	0.0046	-	22	-	4-661	
S-G26	UNT to Green Creek	Franklin	Norfolk	37.127077	-80.111387	Intermittent	RPW	-	03010101	Timber Mat Crossing	20	-	0.0032	-	16	-	4-662	
S-G27	UNT to Green Creek	Franklin	Norfolk	37.126962	-80.111052	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0032	-	16	-	4-662	

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S-G24	UNT to Green Creek	Franklin	Norfolk	37.126412	-80.121398	Intermittent	RPW	-	03010101	Pipeline ROW	75	-	0.0103	-	167	-	4-661
S-G25	UNT to Green Creek	Franklin	Norfolk	37.125398	-80.121401	Intermittent	RPW	-	03010101	Pipeline ROW	42	-	0.0067	-	33	-	4-661
S-RR18	UNT to Green Creek	Franklin	Norfolk	37.125055	-80.113578	Intermittent	RPW	-	03010101	Permanent Access Road	8	-	0.0004	-	2	-	4-662
S-D11	UNT to North Fork Blackwater River	Franklin	Norfolk	37.124137	-80.086182	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0046	-	22	-	4-666
S-D8	North Fork Blackwater River	Franklin	Norfolk	37.123098	-80.074673	Perennial	RPW	Natural Trout, Coldwater Fishery	03010101	Pipeline ROW	78	-	0.0216	-	349	-	4-667
S-D12	UNT to North Fork Blackwater River	Franklin	Norfolk	37.121558	-80.085642	Intermittent	RPW	-	03010101	Pipeline ROW	54	-	0.0074	-	120	-	4-666
S-D13	UNT to North Fork Blackwater River	Franklin	Norfolk	37.121513	-80.085680	Intermittent	RPW	-	03010101	Pipeline ROW	117	-	0.0107	-	173	-	4-666
S-D14	UNT to North Fork Blackwater River	Franklin	Norfolk	37.121473	-80.088457	Intermittent	RPW	-	03010101	Pipeline ROW	234	-	0.0161	-	260	-	4-666
S-II4	UNT to North Fork Blackwater River	Franklin	Norfolk	37.115679	-80.060300	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0069	-	33	-	4-670
S-GH7	UNT to North Fork Blackwater River	Franklin	Norfolk	37.106614	-80.054219	Perennial	RPW	-	03010101	Timber Mat Crossing	20	-	0.0041	-	20	-	4-672
S-GH15	UNT to North Fork Blackwater River	Franklin	Norfolk	37.106177	-80.050105	Intermittent	RPW	-	03010101	Pipeline ROW	75	-	0.0069	-	111	-	4-674
S-GH14	UNT to North Fork Blackwater River	Franklin	Norfolk	37.105883	-80.048861	Perennial	RPW	Orangefin madtom	03010101	Pipeline ROW	76	-	0.0070	-	113	-	4-674
S-GH11	UNT to North Fork Blackwater River	Franklin	Norfolk	37.104707	-80.046220	Intermittent	RPW	-	03010101	Pipeline ROW	77	-	0.0053	-	86	-	4-674
S-GH9	UNT to North Fork Blackwater River	Franklin	Norfolk	37.104329	-80.045343	Perennial	RPW	Orangefin madtom	03010101	Pipeline ROW	78	-	0.0072	-	116	-	4-674
S-RR08	UNT to North Fork Blackwater River	Franklin	Norfolk	37.103290	-80.041868	Ephemeral	NRPW	-	03010101	Timber Mat Crossing	20	-	0.0032	-	16	-	4-674
S-RR09	UNT to North Fork Blackwater River	Franklin	Norfolk	37.102491	-80.041046	Ephemeral	NRPW	-	03010101	Pipeline ROW	77	-	0.0159	-	257	-	4-675
S-RR11	UNT to North Fork Blackwater River	Franklin	Norfolk	37.101127	-80.039653	Ephemeral	NRPW	-	03010101	Pipeline ROW	77	-	0.0124	-	200	-	4-675
S-IJ1	UNT to North Fork Blackwater River	Franklin	Norfolk	37.093062	-80.027724	Perennial	RPW	Orangefin madtom	03010101	Pipeline ROW	107	-	0.0295	-	476	-	4-677
S-IJ2	UNT to North Fork Blackwater River	Franklin	Norfolk	37.092891	-80.027593	Intermittent	RPW	-	03010101	Pipeline ROW	40	-	0.0023	-	37	-	4-677
S-II6	UNT to Little Creek	Franklin	Norfolk	37.092697	-79.978402	Intermittent	NRPW	-	03010101	Timber Mat Crossing	20	-	0.0014	-	7	-	4-685
S-IJ3	UNT to North Fork Blackwater River	Franklin	Norfolk	37.092600	-80.027231	Intermittent	RPW	-	03010101	Pipeline ROW	77	-	0.0088	-	143	-	4-677
S-GH6	UNT to Little Creek	Franklin	Norfolk	37.092397	-79.983227	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0014	-	7	-	4-684
S-II12	UNT to Little Creek	Franklin	Norfolk	37.091608	-79.987839	Intermittent	RPW	-	03010101	Timber Mat Crossing	20	-	0.0009	-	4	-	4-684
S-II11	UNT to Little Creek	Franklin	Norfolk	37.091564	-79.988051	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0018	-	9	-	4-684
S-II8	UNT to Little Creek	Franklin	Norfolk	37.091413	-79.993944	Intermittent	RPW	-	03010101	Timber Mat Crossing	20	-	0.0009	-	4	-	4-683
S-II9	UNT to Little Creek	Franklin	Norfolk	37.091382	-79.990620	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0092	-	44	-	4-683
S-II7	UNT to Little Creek	Franklin	Norfolk	37.091354	-79.992013	Intermittent	RPW	-	03010101	Timber Mat Crossing	20	-	0.0018	-	9	-	4-683
S-IJ4	UNT to North Fork Blackwater River	Franklin	Norfolk	37.091189	-80.024366	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0018	-	9	-	4-677
S-KL2	UNT to Little Creek	Franklin	Norfolk	37.090361	-79.996354	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0017	-	8	-	4-682
S-GH2	UNT to Teels Creek	Franklin	Norfolk	37.090153	-79.953936	Intermittent	RPW	-	03010101	Timber Mat Crossing	20	-	0.0009	-	4	-	4-689
S-GH4	UNT to Teels Creek	Franklin	Norfolk	37.089812	-79.956077	Perennial	RPW	-	03010101	Timber Mat Crossing	20	-	0.0023	-	11	-	4-688
S-GH3	UNT to Teels Creek	Franklin	Norfolk	37.089745	-79.956042	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0028	-	13	-	4-688
S-IJ10	Little Creek	Franklin	Norfolk	37.089179	-80.005026	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0014	-	7	-	4-681
S-E29	UNT to Teels Creek	Franklin	Norfolk	37.089178	-79.950110	Perennial	RPW	Orangefin madtom	03010101	Pipeline ROW	80	-	0.0147	-	237	-	4-689
S-E28	Teels Creek	Franklin	Norfolk	37.089047	-79.9613	Perennial	RPW	-	03010101	Pipeline ROW	82	-	0.0226	-	364	-	4-687
S-E28	Teels Creek	Franklin	Norfolk	37.085247	-79.948057	Perennial	RPW	-	03010101	Pipeline ROW	76	-	0.0209	-	338	-	4-687
S-E28	Teels Creek	Franklin	Norfolk	37.082875	-79.945556	Perennial	RPW	-	03010101	Timber Mat Crossing	101	-	0.0278	-	449	-	4-687
S-EF4	UNT to Teels Creek	Franklin	Norfolk	37.078963	-79.941911	Perennial	RPW	Orangefin madtom	03010101	Pipeline ROW	80	-	0.0202	-	326	-	4-691
S-EF7	UNT to Teels Creek	Franklin	Norfolk	37.074664	-79.941123	Ephemeral	NRPW	-	03010101	Timber Mat Crossing	20	-	0.0009	-	4	-	4-692
S-EF7	UNT to Teels Creek	Franklin	Norfolk	37.074636	-79.941336	Ephemeral	NRPW	-	03010101	ATWS	22	-	0.0010	-	5	-	4-692
S-EF12	Teels Creek	Franklin	Norfolk	37.073367	-79.939865	Perennial	RPW	-	03010101	Pipeline ROW	79	-	0.0363	-	585	-	4-692
S-MM42	UNT to Teels Creek	Franklin	Norfolk	37.070703	-79.937069	Ephemeral	NRPW	-	03010101	Pipeline ROW	81	-	0.0037	-	60	-	4-693
S-D23	Teels Creek	Franklin	Norfolk	37.070322	-79.931039	Perennial	RPW	-	03010101	Pipeline ROW	92	-	0.0479	-	772	-	4-694
S-D22	UNT to Teels Creek	Franklin	Norfolk	37.070101	-79.929732	Intermittent	RPW	-	03010101	Pipeline ROW	83	-	0.0152	-	246	-	4-694
S-D18	UNT to Teels Creek	Franklin	Norfolk	37.069560	-79.926213	Ephemeral	NRPW	-	03010101	Pipeline ROW	30	-	0.0014	-	7	-	4-694
S-RR15	UNT to Teels Creek	Franklin	Norfolk	37.069542	-79.933892	Perennial	RPW	-	03010101	Timber Mat Crossing	20	-	0.0006	-	31	-	4-694
S-D20	UNT to Teels Creek	Franklin	Norfolk	37.069485	-79.926230	Intermittent	RPW	-	03010101	Pipeline ROW	76	-	0.0140	-	225	-	4-694
S-EF48	UNT to Blackwater River	Franklin	Norfolk	37.064748	-79.874420	Intermittent	RPW	-	03010101	Pipeline ROW	86	-	0.0039	-	64	-	4-705
S-YZ4	UNT to Blackwater River	Franklin	Norfolk	37.064723	-79.878190	Ephemeral	NRPW	-	03010101	Pipeline ROW	84	-	0.0058	-	93	-	4-704
S-C14	Teels Creek	Franklin	Norfolk	37.063956	-79.921985	Perennial	RPW	-	03010101	Pipeline ROW	90	-	0.0839	-	1,353	-	4-696
S-YZ5	UNT to Blackwater River	Franklin	Norfolk	37.063464	-79.878281	Ephemeral	NRPW	-	03010101	Pipeline ROW	86	-	0.0079	-	127	-	4-704
S-KL41	UNT to Blackwater River	Franklin	Norfolk	37.062262	-79.862639	Perennial	RPW	Orangefin madtom	03010101	Pipeline ROW	75	-	0.0207	-	333	-	4-706
S-KL39	UNT to Blackwater River	Franklin	Norfolk	37.061193	-79.880018	Perennial	RPW	Orangefin madtom	03010101	Pipeline ROW	121	-	0.0181	-	291	-	4-704
S-C16	UNT to Teels Creek	Franklin	Norfolk	37.060610	-79.921179	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0069	-	33	-	4-696
S-KL54	UNT to Maggodee Creek	Franklin	Norfolk	37.059535	-79.840624	Perennial	RPW	Orangefin madtom	03010101	Pipeline ROW	76	-	0.0174	-	281	-	4-710
S-C8	UNT to Blackwater River	Franklin	Norfolk	37.059098	-79.853595	Intermittent	RPW	-	03010101	Pipeline ROW	86	-	0.0099	-	159	-	4-708
S-F4	UNT to Blackwater River	Franklin	Norfolk	37.059060	-79.853379	Ephemeral	NRPW	-	03010101	Pipeline ROW	82	-	0.0188	-	91	-	4-708
S-C17	Teels Creek	Franklin	Norfolk	37.058390	-79.918015	Perennial	RPW	-	03010101	Timber Mat Crossing	30	-	0.0138	-	100	-	4-696
S-KL52	UNT to Maggodee Creek	Franklin	Norfolk	37.058165	-79.844877	Ephemeral	NRPW	-	03010101	Pipeline ROW	105	-	0.0024	-	39	-	4-709

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S-S11	UNT to Maggodee Creek	Franklin	Norfolk	37.057776	-79.838583	Perennial	RPW	-	03010101	Temporary Access Road	41	-	0.0104	-	50	-	4-710
S-F8	UNT to Maggodee Creek	Franklin	Norfolk	37.057724	-79.836406	Perennial	RPW	Orangefin madtom	03010101	Pipeline ROW	83	-	0.0572	-	922	-	4-710
S-CD6	Little Creek	Franklin	Norfolk	37.057584	-79.913921	Perennial	RPW	-	03010101	Pipeline ROW	77	-	0.1016	-	1,639	-	4-698
S-HH4	UNT to Maggodee Creek	Franklin	Norfolk	37.056594	-79.835785	Intermittent	RPW	-	03010101	Pipeline ROW	97	-	0.0200	-	323	-	4-711
S-KL51	UNT to Blackwater River	Franklin	Norfolk	37.056084	-79.850384	Perennial	RPW	Orangefin madtom	03010101	Pipeline ROW	67	-	0.0085	-	136	-	4-708
S-KL38	UNT to Blackwater River	Franklin	Norfolk	37.055912	-79.883177	Perennial	RPW	Orangefin madtom	03010101	Pipeline ROW	78	-	0.0125	-	202	-	4-702
S-C20	UNT to Maggodee Creek	Franklin	Norfolk	37.055193	-79.833881	Ephemeral	NRPW	-	03010101	Timber Mat Crossing	20	-	0.0018	-	9	-	4-711
S-C19	Maggodee Creek	Franklin	Norfolk	37.055147	-79.830098	Perennial	RPW	-	03010101	Pipeline ROW	75	-	0.0690	-	1,113	-	4-711
S-KL36	UNT to Blackwater River	Franklin	Norfolk	37.053336	-79.884604	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0034	-	17	-	4-702
S-F11	Blackwater River	Franklin	Norfolk	37.052843	-79.825711	Perennial	TNW	Non-listed mussels	03010101	Pipeline ROW	91	-	0.1553	-	2,506	-	4-712
S-KL35	UNT to Blackwater River	Franklin	Norfolk	37.052125	-79.886182	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	35	-	0.0020	-	10	-	4-702
S-F9b	UNT to Blackwater River	Franklin	Norfolk	37.049238	-79.817223	Perennial	RPW	Orangefin madtom	03010101	Pipeline ROW	76	-	0.0262	-	422	-	4-713
S-II2	Little Creek	Franklin	Norfolk	37.049219	-79.908513	Perennial	RPW	-	03010101	Pipeline ROW	76	-	0.0745	-	1,203	-	4-699
S-F10	UNT to Blackwater River	Franklin	Norfolk	37.048037	-79.813934	Ephemeral	NRPW	-	03010101	Timber Mat Crossing	20	-	0.0041	-	20	-	4-713
S-CD1	UNT to Blackwater River	Franklin	Norfolk	37.047765	-79.897636	Perennial	RPW	Orangefin madtom	03010101	Pipeline ROW	104	-	0.0084	-	135	-	4-701
S-F9a	UNT to Blackwater River	Franklin	Norfolk	37.047172	-79.813000	Intermittent	RPW	-	03010101	Timber Mat Crossing	20	-	0.0069	-	33	-	4-713
S-MM29	UNT to Maple Branch	Franklin	Norfolk	37.043871	-79.822898	Perennial	RPW	-	03010101	Temporary Access Road	42	-	0.0145	-	70	-	4-714
S-MM23	Maple Branch	Franklin	Norfolk	37.043854	-79.822974	Perennial	RPW	-	03010101	Temporary Access Road	78	-	0.0358	-	173	-	4-714
S-GG4	UNT to Blackwater River	Franklin	Norfolk	37.042742	-79.809015	Ephemeral	NRPW	-	03010101	Timber Mat Crossing	20	-	0.0046	-	22	-	4-716
S-A36	UNT to Foul Ground Creek	Franklin	Norfolk	37.037916	-79.804237	Ephemeral	NRPW	-	03010101	Pipeline ROW	77	-	0.0071	-	114	-	4-717
S-A38	UNT to Foul Ground Creek	Franklin	Norfolk	37.036271	-79.799442	Intermittent	RPW	-	03010101	Timber Mat Crossing	30	-	0.0062	-	30	-	4-718
S-A40	UNT to Foul Ground Creek	Franklin	Norfolk	37.036173	-79.799240	Intermittent	RPW	-	03010101	Timber Mat Crossing	13	-	0.0017	-	8	-	4-718
S-A41	Foul Ground Creek	Franklin	Norfolk	37.031714	-79.788213	Perennial	RPW	Orangefin madtom	03010101	Pipeline ROW	76	-	0.0209	-	338	-	4-720
S-GH36	UNT to Foul Ground Creek	Franklin	Norfolk	37.031063	-79.778588	Intermittent	RPW	-	03010101	Timber Mat Crossing	20	-	0.0014	-	7	-	4-721
S-KL17	UNT to Foul Ground Creek	Franklin	Norfolk	37.031011	-79.778435	Intermittent	RPW	-	03010101	Timber Mat Crossing	20	-	0.0023	-	11	-	4-721
S-GH37	UNT to Foul Ground Creek	Franklin	Norfolk	37.030974	-79.778190	Intermittent	RPW	-	03010101	Pipeline ROW	46	-	0.0032	-	15	-	4-721
S-GH38	UNT to Foul Ground Creek	Franklin	Norfolk	37.030972	-79.778083	Intermittent	RPW	-	03010101	Pipeline ROW	7	-	0.0005	-	2	-	4-721
S-GH39	UNT to Foul Ground Creek	Franklin	Norfolk	37.030861	-79.778069	Intermittent	RPW	-	03010101	Pipeline ROW	103	-	0.0095	-	153	-	4-721
S-GH40	UNT to Foul Ground Creek	Franklin	Norfolk	37.028893	-79.774785	Ephemeral	NRPW	-	03010101	Pipeline ROW	89	-	0.0061	-	99	-	4-721
S-GH44	UNT to Foul Ground Creek	Franklin	Norfolk	37.028392	-79.773359	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	103	-	0.0142	-	69	-	4-721
S-G22	UNT to Poplar Camp Creek	Franklin	Norfolk	37.019612	-79.761958	Perennial	RPW	Orangefin madtom	03010101	Pipeline ROW	80	-	0.0220	-	356	-	4-723
S-G23	UNT to Poplar Camp Creek	Franklin	Norfolk	37.019526	-79.762002	Intermittent	RPW	-	03010101	Pipeline ROW	42	-	0.0029	-	14	-	4-723
S-G21	UNT to Poplar Camp Creek	Franklin	Norfolk	37.019359	-79.761643	Intermittent	RPW	-	03010101	Pipeline ROW	54	-	0.0037	-	18	-	4-723
S-G20	Poplar Camp Creek	Franklin	Norfolk	37.017364	-79.760000	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0046	-	22	-	4-724
S-G18	UNT to Blackwater River	Franklin	Norfolk	37.009236	-79.754238	Intermittent	RPW	-	03010101	Pipeline ROW	81	-	0.0037	-	60	-	4-725
S-G17	UNT to Blackwater River	Franklin	Norfolk	37.005496	-79.752655	Ephemeral	NRPW	-	03010101	Timber Mat Crossing	20	-	0.0023	-	11	-	4-726
S-E18	UNT to Blackwater River	Franklin	Norfolk	37.001271	-79.747749	Perennial	RPW	Orangefin madtom	03010101	Pipeline ROW	94	-	0.0151	-	244	-	4-727
S-E17	UNT to Blackwater River	Franklin	Norfolk	37.000529	-79.742760	Perennial	RPW	Orangefin madtom	03010101	Pipeline ROW	95	-	0.0174	-	281	-	4-727
S-E14	UNT to Blackwater River	Franklin	Norfolk	36.995814	-79.735144	Perennial	RPW	Orangefin madtom	03010101	Pipeline ROW	82	-	0.0376	-	607	-	4-728
S-H38	UNT to Jacks Creek	Franklin	Norfolk	36.989430	-79.722366	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0055	-	27	-	4-730
S-H32	UNT to Jacks Creek	Franklin	Norfolk	36.988273	-79.708199	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0046	-	22	-	4-732
S-H37	UNT to Jacks Creek	Franklin	Norfolk	36.988031	-79.717450	Ephemeral	NRPW	-	03010101	Pipeline ROW	82	-	0.0113	-	182	-	4-731
S-H34	UNT to Jacks Creek	Franklin	Norfolk	36.988009	-79.711881	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0014	-	7	-	4-732
S-H36	UNT to Jacks Creek	Franklin	Norfolk	36.988008	-79.714922	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0014	-	7	-	4-731
S-H30	UNT to Jacks Creek	Franklin	Norfolk	36.987961	-79.702711	Intermittent	RPW	-	03010101	Pipeline ROW	4	-	0.0001	-	1	-	4-734
S-A18	UNT to Jacks Creek	Franklin	Norfolk	36.987818	-79.700634	Intermittent	RPW	-	03010101	Pipeline ROW	87	-	0.0052	-	84	-	4-734
S-A19/H26	UNT to Jacks Creek	Franklin	Norfolk	36.987719	-79.698901	Intermittent	RPW	-	03010101	Pipeline ROW	212	-	0.0341	-	550	-	4-734
S-A20	UNT to Jacks Creek	Franklin	Norfolk	36.987715	-79.698555	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0032	-	16	-	4-734
S-H28	UNT to Jacks Creek	Franklin	Norfolk	36.985174	-79.692272	Ephemeral	NRPW	-	03010101	Pipeline ROW	16	-	0.0022	-	11	-	4-735
S-H27	UNT to Jacks Creek	Franklin	Norfolk	36.985124	-79.692272	Ephemeral	NRPW	-	03010101	Pipeline ROW	36	-	0.0083	-	40	-	4-735
S-A22	UNT to Jacks Creek	Franklin	Norfolk	36.984846	-79.691870	Intermittent	RPW	-	03010101	Timber Mat Crossing	20	-	0.0037	-	18	-	4-735
S-MM44	UNT to Little Jacks Creek	Franklin	Norfolk	36.982507	-79.687818	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0018	-	9	-	4-735
S-MM46	UNT to Little Jacks Creek	Franklin	Norfolk	36.982240	-79.687500	Intermittent	RPW	-	03010101	Timber Mat Crossing	9	-	0.0006	-	3	-	4-735
S-MM45	UNT to Little Jacks Creek	Franklin	Norfolk	36.981971	-79.686901	Ephemeral	NRPW	-	03010101	Timber Mat Crossing	33	-	0.0030	-	15	-	4-735
S-MM48	UNT to Little Jacks Creek	Franklin	Norfolk	36.979223	-79.684192	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	25	-	0.0040	-	19	-	4-736
S-H25	Little Jacks Creek	Franklin	Norfolk	36.978529	-79.682186	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0032	-	16	-	4-736
S-H24	UNT to Little Jacks Creek	Franklin	Norfolk	36.978025	-79.680682	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0046	-	22	-	4-736
S-H23	UNT to Turkey Creek	Franklin	Norfolk	36.976421	-79.677525	Ephemeral	NRPW	-	03010101	Pipeline ROW	92	-	0.0106	-	170	-	4-738
S-HH1	UNT to Turkey Creek	Franklin	Norfolk	36.974647	-79.674453	Ephemeral	NRPW	-	03010101	Pipeline ROW	18	-	0.0021	-	10	-	4-738

Table 2. Stream Impacts
Individual Permit Application
Mountain Valley Pipeline Project

Stream ID	NHD Stream Name ¹	County	USACE District	Latitude ²	Longitude ²	Flow Regime	Water Type ³	Stream Designation ⁴	HUC 8	Impact Type	Temporary Impact (linear ft)	Permanent Impact (linear ft)	Temporary Impact Area (acres) ⁵	Permanent Impact Area (acres) ⁵	Temporary Fill (cubic yard) ⁶	Permanent Fill (cubic yard) ⁷	Figure
S-A13	Turkey Creek	Franklin	Norfolk	36.973282	-79.673075	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0037	-	18	-	4-738
S-A11	UNT to Turkey Creek	Franklin	Norfolk	36.973237	-79.669898	Ephemeral	NRPW	-	03010101	Pipeline ROW	55	-	0.0038	-	18	-	4-740
S-H17	Dinner Creek	Franklin	Norfolk	36.972125	-79.662987	Intermittent	RPW	-	03010101	Pipeline ROW	101	-	0.0185	-	299	-	4-741
S-A7	UNT to Dinner Creek	Franklin	Norfolk	36.972032	-79.662504	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0028	-	13	-	4-741
S-SS8	Polecat Creek	Franklin	Norfolk	36.970904	-79.657370	Perennial	RPW	Orangefin madtom,	03010101	Timber Mat Crossing	20	-	0.0037	-	18	-	4-741
S-CD8	UNT to Owens Creek	Franklin	Norfolk	36.970522	-79.653726	Intermittent	RPW	-	03010101	Pipeline ROW	78	-	0.0081	-	130	-	4-742
S-AB8	UNT to Owens Creek	Franklin	Norfolk	36.970133	-79.651328	Intermittent	RPW	-	03010101	Pipeline ROW	84	-	0.0077	-	124	-	4-742
S-DD3	Owens Creek	Franklin	Norfolk	36.969118	-79.645042	Intermittent	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0069	-	33	-	4-743
S-G16	Strawfield Creek	Franklin	Norfolk	36.968640	-79.642174	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	30	-	0.0138	-	100	-	4-743
S-G15	UNT to Parrot Branch	Franklin	Norfolk	36.967711	-79.636590	Intermittent	RPW	-	03010101	Pipeline ROW	88	-	0.0182	-	293	-	4-744
S-G13	Parrot Branch	Franklin	Norfolk	36.967025	-79.630747	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0037	-	18	-	4-744
S-D3	UNT to Jonnikin Creek	Pittsylvania	Norfolk	36.965631	-79.605542	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0046	-	22	-	4-747
S-D4	UNT to Jonnikin Creek	Pittsylvania	Norfolk	36.965600	-79.604894	Intermittent	RPW	-	03010101	Pipeline ROW	105	-	0.0145	-	233	-	4-747
S-D2	Jonnikin Creek	Pittsylvania	Norfolk	36.965405	-79.599130	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0083	-	40	-	4-748
S-D7	UNT to Jonnikin Creek	Franklin	Norfolk	36.964763	-79.617043	Intermittent	RPW	-	03010101	Pipeline ROW	80	-	0.0147	-	237	-	4-746
S-D1-EPH	UNT to Jonnikin Creek	Pittsylvania	Norfolk	36.964430	-79.595691	Ephemeral	NRPW	-	03010101	Pipeline ROW	61	-	0.0140	-	226	-	4-748
S-D1-INT	UNT to Jonnikin Creek	Pittsylvania	Norfolk	36.964407	-79.595841	Intermittent	RPW	-	03010101	Pipeline ROW	29	-	0.0067	-	32	-	4-748
S-G11	UNT to Jonnikin Creek	Pittsylvania	Norfolk	36.962420	-79.590500	Intermittent	RPW	-	03010101	Pipeline ROW	77	-	0.0106	-	171	-	4-749
S-G9	UNT to Jonnikin Creek	Pittsylvania	Norfolk	36.959361	-79.586437	Intermittent	RPW	-	03010101	Pipeline ROW	79	-	0.0073	-	117	-	4-751
S-G8	UNT to Jonnikin Creek	Pittsylvania	Norfolk	36.957805	-79.583545	Intermittent	RPW	-	03010101	Pipeline ROW	90	-	0.0083	-	133	-	4-751
S-Q15	UNT to Jonnikin Creek	Pittsylvania	Norfolk	36.957580	-79.583492	Ephemeral	NRPW	-	03010101	Pipeline ROW	103	-	0.0118	-	191	-	4-751
S-A6	UNT to Rocky Creek	Pittsylvania	Norfolk	36.952275	-79.580460	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0023	-	11	-	4-750
S-H11-Braid	UNT to Rocky Creek	Pittsylvania	Norfolk	36.949615	-79.579553	Ephemeral	NRPW	-	03010101	Pipeline ROW	85	-	0.0039	-	19	-	4-750
S-F2	UNT to Rocky Creek	Pittsylvania	Norfolk	36.944049	-79.571442	Ephemeral	NRPW	-	03010101	Timber Mat Crossing	20	-	0.0032	-	16	-	4-753
S-C7	UNT to Rocky Creek	Pittsylvania	Norfolk	36.944016	-79.571517	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0092	-	44	-	4-753
S-C3	Harpen Creek	Pittsylvania	Norfolk	36.929762	-79.526109	Perennial	RPW	Roanoke logperch, Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0083	-	40	-	4-758
S-C4	UNT to Harpen Creek	Pittsylvania	Norfolk	36.929745	-79.526290	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	58	-	0.0053	-	26	-	4-758
S-H13	Harpen Creek	Pittsylvania	Norfolk	36.925105	-79.517350	Perennial	RPW	Orangefin madtom	03010101	Pipeline ROW	77	-	0.0354	-	570	-	4-759
S-G6	UNT to Harpen Creek	Pittsylvania	Norfolk	36.920737	-79.505898	Intermittent	RPW	-	03010101	Pipeline ROW	80	-	0.0110	-	178	-	4-761
S-G5	UNT to Harpen Creek	Pittsylvania	Norfolk	36.917694	-79.496604	Ephemeral	NRPW	-	03010101	Pipeline ROW	77	-	0.0106	-	171	-	4-762
S-G4	Harpen Creek	Pittsylvania	Norfolk	36.916463	-79.492669	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	30	-	0.0138	-	100	-	4-762
S-G3	UNT to Harpen Creek	Pittsylvania	Norfolk	36.915658	-79.490029	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0041	-	20	-	4-762
S-CC16	UNT to Harpen Creek	Pittsylvania	Norfolk	36.913003	-79.487838	Perennial	RPW	Orangefin madtom	03010101	Timber Mat Crossing	20	-	0.0051	-	24	-	4-763
S-CC14	UNT to Cherrystone Creek	Pittsylvania	Norfolk	36.905329	-79.471492	Intermittent	RPW	-	03010105	Timber Mat Crossing	20	-	0.0037	-	18	-	4-765
S-CC13	UNT to Cherrystone Creek	Pittsylvania	Norfolk	36.905307	-79.471574	Intermittent	RPW	-	03010105	Timber Mat Crossing	20	-	0.0032	-	16	-	4-765
S-MM8	UNT to Cherrystone Creek	Pittsylvania	Norfolk	36.902991	-79.468220	Perennial	RPW	Orangefin madtom	03010105	Timber Mat Crossing	20	-	0.0028	-	13	-	4-766
S-CC15	UNT to Cherrystone Creek	Pittsylvania	Norfolk	36.901941	-79.466535	Perennial	RPW	Orangefin madtom	03010105	Timber Mat Crossing	20	-	0.0028	-	13	-	4-766
S-CC8	UNT to Cherrystone Creek	Pittsylvania	Norfolk	36.899437	-79.462685	Intermittent	RPW	-	03010105	Timber Mat Crossing	20	-	0.0037	-	18	-	4-766
S-CC5	UNT to Cherrystone Creek	Pittsylvania	Norfolk	36.899411	-79.462483	Perennial	RPW	Orangefin madtom	03010105	Timber Mat Crossing	20	-	0.0055	-	27	-	4-766
S-CC5	UNT to Cherrystone Creek	Pittsylvania	Norfolk	36.899248	-79.462396	Perennial	RPW	Orangefin madtom	03010105	Timber Mat Crossing	54	-	0.0149	-	240	-	4-766
S-CC9	UNT to Cherrystone Creek	Pittsylvania	Norfolk	36.897740	-79.458046	Ephemeral	NRPW	-	03010105	Pipeline ROW	81	-	0.0102	-	165	-	4-767
S-CC10	UNT to Cherrystone Creek	Pittsylvania	Norfolk	36.897315	-79.456119	Intermittent	RPW	-	03010105	Pipeline ROW	78	-	0.0161	-	260	-	4-767
S-MM10	UNT to Cherrystone Creek	Pittsylvania	Norfolk	36.895915	-79.452960	Intermittent	RPW	-	03010105	Pipeline ROW	9	-	0.0014	-	7	-	4-768
S-CC11	UNT to Cherrystone Creek	Pittsylvania	Norfolk	36.895808	-79.452920	Perennial	RPW	Orangefin madtom	03010105	Pipeline ROW	87	-	0.0160	-	258	-	4-768
S-CC1	Cherrystone Creek	Pittsylvania	Norfolk	36.894043	-79.445744	Perennial	RPW	Orangefin madtom	03010105	Pipeline ROW	82	-	0.0282	-	456	-	4-769
S-CC3	UNT to Cherrystone Creek	Pittsylvania	Norfolk	36.893727	-79.444763	Ephemeral	NRPW	-	03010105	Pipeline ROW	91	-	0.0167	-	270	-	4-769
S-P5	UNT to Cherrystone Creek	Pittsylvania	Norfolk	36.892751	-79.440053	Ephemeral	NRPW	-	03010105	Timber Mat Crossing	20	-	0.0023	-	11	-	4-769
S-U35-EPH	UNT to Pole Bridge Branch	Pittsylvania	Norfolk	36.891451	-79.433781	Ephemeral	NRPW	-	03010105	Pipeline ROW	171	-	0.0157	-	253	-	4-770
S-Q4	UNT to Pole Bridge Branch	Pittsylvania	Norfolk	36.886114	-79.430914	Perennial	RPW	Orangefin madtom	03010105	Timber Mat Crossing	20	-	0.0023	-	11	-	4-771
S-Q3	Pole Bridge Branch	Pittsylvania	Norfolk	36.884444	-79.428220	Perennial	RPW	Orangefin madtom	03010105	Pipeline ROW	75	-	0.0430	-	694	-	4-771
S-Q2	UNT to Pole Bridge Branch	Pittsylvania	Norfolk	36.884284	-79.427914	Perennial	RPW	Orangefin madtom	03010105	Timber Mat Crossing	20	-	0.0032	-	16	-	4-771
S-B6	UNT to Pole Bridge Branch	Pittsylvania	Norfolk	36.879063	-79.420189	Ephemeral	NRPW	-	03010105	Pipeline ROW	84	-	0.0193	-	311	-	4-772
S-B8	UNT to Pole Bridge Branch	Pittsylvania	Norfolk	36.877937	-79.417992	Intermittent	RPW	-	03010105	Pipeline ROW	82	-	0.0075	-	121	-	4-773
S-B9	UNT to Pole Bridge Branch	Pittsylvania	Norfolk	36.877416	-79.416255	Perennial	RPW	Orangefin madtom	03010105	Pipeline ROW	78	-	0.0125	-	202	-	4-773
S-DD4-Braid-1	UNT to Mill Creek	Pittsylvania	Norfolk	36.871651	-79.404061	Intermittent	RPW	Natural Trout, Coldwater Fishery	03010105	Pipeline ROW	67	-	0.0092	-	149	-	4-775
S-DD4	UNT to Mill Creek	Pittsylvania	Norfolk	36.871478	-79.403907	Intermittent	RPW	Natural Trout, Coldwater Fishery	03010105	Pipeline ROW	147	-	0.0202	-	327	-	4-775
S-KL27	UNT to Mill Creek	Pittsylvania	Norfolk	36.866534	-79.400511	Ephemeral	NRPW	Natural Trout, Coldwater Fishery	03010105	Pipeline ROW	84	-	0.0019	-	31	-	4-776
S-C1	Mill Creek	Pittsylvania	Norfolk	36.863513	-79.397914	Intermittent	RPW	Natural Trout, Coldwater Fishery	03010105	Pipeline ROW	92	-	0.0127	-	204	-	4-777
S-G2	Little Cherrystone Creek	Pittsylvania	Norfolk	36.851931	-79.386051	Perennial	RPW	Orangefin madtom	03010105	Timber Mat Crossing	20	-	0.0032	-	16	-	4-779

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Stream ID	NHD Stream Name ¹	County	USACE District	Latitude ²	Longitude ²	Flow Regime	Water Type ³	Stream Designation ⁴	HUC 8	Impact Type	Temporary Impact (linear ft)	Permanent Impact (linear ft)	Temporary Impact Area (acres) ⁵	Permanent Impact Area (acres) ⁵	Temporary Fill (cubic yard) ⁶	Permanent Fill (cubic yard) ⁷	Figure
S-B2	UNT to Little Cherrystone Creek	Pittsylvania	Norfolk	36.849394	-79.377780	Ephemeral	NRPW	-	03010105	Timber Mat Crossing	20	-	0.0023	-	11	-	4-780
S-H55	UNT to Little Cherrystone Creek	Pittsylvania	Norfolk	36.843486	-79.369222	Ephemeral	NRPW	-	03010105	Timber Mat Crossing	20	-	0.0014	-	7	-	4-781
S-H54	UNT to Little Cherrystone Creek	Pittsylvania	Norfolk	36.841112	-79.366848	Perennial	RPW	Orangefin madtom	03010105	Timber Mat Crossing	20	-	0.0055	-	27	-	4-781
S-GG11	UNT to Little Cherrystone Creek	Pittsylvania	Norfolk	36.841093	-79.366942	Perennial	RPW	-	03010105	Timber Mat Crossing	46	-	0.0084	-	41	-	4-781
S-H3	UNT to Little Cherrystone Creek	Pittsylvania	Norfolk	36.834501	-79.360244	Intermittent	RPW	-	03010105	Pipeline ROW	18	-	0.0025	-	12	-	4-783
S-H5	UNT to Little Cherrystone Creek	Pittsylvania	Norfolk	36.833412	-79.359823	Perennial	RPW	Orangefin madtom	03010105	Pipeline ROW	83	-	0.0152	-	246	-	4-783
S-OO1	UNT to Little Cherrystone Creek	Pittsylvania	Norfolk	36.830285	-79.356618	Intermittent	RPW	-	03010105	Pipeline ROW	84	-	0.0096	-	156	-	4-783
S-H44	UNT to Little Cherrystone Creek	Pittsylvania	Norfolk	36.829823	-79.346016	Perennial	RPW	Orangefin madtom	03010105	Timber Mat Crossing	33	-	0.0061	-	29	-	4-785
S-H42	UNT to Little Cherrystone Creek	Pittsylvania	Norfolk	36.828993	-79.344442	Perennial	RPW	Orangefin madtom	03010105	Permanent Access Road	-	15	-	0.0017	-	11	4-785
S-H42	UNT to Little Cherrystone Creek	Pittsylvania	Norfolk	36.828958	-79.344315	Perennial	RPW	Orangefin madtom	03010105	Timber Mat Crossing	20	-	0.0032	-	16	-	4-785
S-OO2	UNT to Little Cherrystone Creek	Pittsylvania	Norfolk	36.828831	-79.353849	Intermittent	RPW	-	03010105	Pipeline ROW	78	-	0.0090	-	144	-	4-784
S-EF26	Little Cherrystone Creek	Pittsylvania	Norfolk	36.828207	-79.349814	Perennial	RPW	Orangefin madtom	03010105	Timber Mat Crossing	20	-	0.0092	-	44	-	4-784

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 Section 1.9.2 and Section 4.2 for more information
- 5
- Impact acerages are rounded to 4 decimal places.
- 6
- Temporary fill discharge into waters of the U.S. Cubic yards rounded to the nerest whole number.
- 7
- Permanent fill associated with the construction of Permanent access road and facilities. Cubic yards rounded to the nerest whole number.