Streams with Multiple Seperate Crossings
Mountain Valley Pipeline Project

Stream ID	County	USACE District	Latitude[1]	Longitude[1]	HUC 12	HUC 12 Name	Flow Regime	Water Type[2]	Project Activity	Temporary Impact (linear ft)[3]	Permanent Impact (linear ft)[3]	Temporary Impact Area (acres)[3]	Permanent Impact Area (acres)[3]	Temporary Impact Area (square feet)[3]	Permanent Impact Area (square feet)[3]	Travel lane crossing Installed and remains in place[4]	Crossing Status[5]	Proposed/Remaining Crossing Method	Included in Individual Permit Application	Figure
S-A120	Wetzel	Huntington	39.489914	-80.522135	050302010201	Headwaters South Fork Fishing Creek	Intermittent	RPW	Temporary Access Road	8	-	0.0011	-	48	-	Yes	Installed, remains in place	Timber Mat	Yes	4-23
S-A120	Wetzel	Huntington	39.489890	-80.522083	050302010201	Headwaters South Fork Fishing Creek	Intermittent	RPW	Permanent Access Road	-	26	-	0.0036	-	157	Yes	Installed, remains in place	Permanent Fill	Yes	4-23
S-A120	Wetzel	Huntington	39.489866	-80.522029	050302010201	Headwaters South Fork Fishing Creek	Intermittent	RPW	Temporary Access Road	9	-	0.0012	-	52	-	Yes	Installed, remains in place	Timber Mat	Yes	4-23
S-A120	Wetzel	Huntington	39.489712	-80.520728	050302010201	Headwaters South Fork Fishing Creek	Intermittent	RPW	Timber Mat Crossing	20	-	0.0028	-	122	-	Yes	Proposed	Bore[9]	Yes	4-23
S-A120 Totals										**37**	**26**	**0.0051**	**0.0036**	**222**	**157**					
S-QR34	Wetzel	Huntington	39.489140	-80.520658	050302010201	Headwaters South Fork Fishing Creek	Ephemeral	NRPW	Permanent Access Road	-	125	-	0.0072	-	314	Yes	Installed, remains in place	Permanent Fill	Yes	4-23
S-QR34	Wetzel	Huntington	39.489062	-80.520519	050302010201	Headwaters South Fork Fishing Creek	Ephemeral	NRPW	Temporary Access Road	8	-	0.0004	-	17	-	Yes	Installed, remains in place	Timber Mat	Yes	4-23
S-QR34 Totals										**8**	**125**	**0.0004**	**0.0072**	**17**	**314**					
S-J56	Wetzel	Huntington	39.464315	-80.502077	050302010201	Headwaters South Fork Fishing Creek	Perennial	RPW	Timber Mat Crossing	20	-	0.0046	-	200	-	Yes	Installed, remains in place	Timber Mat	Yes	4-28
S-J56	Wetzel	Huntington	39.464105	-80.502318	050302010201	Headwaters South Fork Fishing Creek	Perennial	RPW	Temporary Access Road	23	-	0.0054	-	235	-	Yes	Installed, remains in place	Rock/Flume/Culvert	Yes	4-28
S-J56	Wetzel	Huntington	39.463899	-80.502594	050302010201	Headwaters South Fork Fishing Creek	Perennial	RPW	Permanent Access Road	-	41	-	0.0095	-	414	Yes	Installed, remains in place	Rock/Flume/Culvert	Yes	4-28
S-J56 Totals										**43**	**41**	**0.0100**	**0.0095**	**435**	**414**					
S-J59	Wetzel	Huntington	39.462705	-80.504726	050302010201	Headwaters South Fork Fishing Creek	Intermittent	RPW	Permanent Access Road	-	7	-	0.0005	-	22	Yes	Installed, remains in place	Culvert	Yes	4-28
S-J59	Wetzel	Huntington	39.462684	-80.504736	050302010201	Headwaters South Fork Fishing Creek	Intermittent	RPW	Temporary Access Road	10	-	0.0007	-	30	-	Yes	Installed, remains in place	Culvert	Yes	4-28
S-J59Totals										**10**	**7**	**0.0007**	**0.0005**	**30**	**22**					
S-B79	Harrison	Pittsburgh	39.423571	-80.476278	050200020503	Little Tenmile Creek	Ephemeral	NRPW	Temporary Access Road	11	-	0.0004	-	17	-	Yes	Installed, remains in place	Culvert	Yes	4-39
S-B79	Harrison	Pittsburgh	39.423499	-80.476392	050200020503	Little Tenmile Creek	Ephemeral	NRPW	Permanent Access Road	-	60	-	0.0021	-	91	Yes	Installed, remains in place	Culvert	Yes	4-39
S-B79	Harrison	Pittsburgh	39.423434	-80.476486	050200020503	Little Tenmile Creek	Ephemeral	NRPW	Temporary Access Road	24	-	0.0008	-	35	-	Yes	Installed, remains in place	Culvert	Yes	4-39
S-B79 Totals										**35**	**60**	**0.0012**	**0.0021**	**52**	**91**					
S-B3a	Harrison	Pittsburgh	39.358871	-80.493707	050200020504	Outlet Tenmile Creek	Perennial	RPW	Pipeline ROW	97	-	0.0445	-	1,938	-	Yes	Proposed	Open Cut	Yes	4-51
S-A128	Harrison	Pittsburgh	39.355569	-80.490100	050200020504	Outlet Tenmile Creek	Perennial	RPW	Permanent Access Road	-	29	-	0.0320	-	1,394	Yes	Installed, remains in place	Rock/Flume/Culvert/ Timber Mat	Yes	4-51
S-B3a/S-A128 Totals										**97**	**29**	**0.0445**	**0.0320**	**1,938**	**1,394**					
S-A11a	Harrison	Pittsburgh	39.335511	-80.522421	050200020502	Headwaters Tenmile Creek	Perennial	RPW	Pipeline ROW	113	-	0.0311	-	1,355	-	Yes	Proposed	Open Cut	Yes	4-56
S-A11a-Braid-1	Harrison	Pittsburgh	39.335500	-80.522502	050200020502	Headwaters Tenmile Creek	Intermittent	RPW	Pipeline ROW	11	-	0.0015	-	65	-	-	Proposed	Open Cut	Yes	4-56
S-A11a-Braid-2	Harrison	Pittsburgh	39.335410	-80.522360	050200020502	Headwaters Tenmile Creek	Intermittent	RPW	Pipeline ROW	77	-	0.0088	-	383	-	Yes	Proposed	Open Cut	Yes	4-56
S-A11a Totals										**201**	**-**	**0.0414**	**-**	**1,803**	**-**					
S-B6a	Harrison	Pittsburgh	39.317309	-80.527175	050200020502	Headwaters Tenmile Creek	Perennial	RPW	Temporary Access Road	30	-	0.0207	-	902	-	Yes	Installed, remains in place	Timber Mat	Yes	4-59
S-B6a	Harrison	Pittsburgh	39.317023	-80.526157	050200020502	Headwaters Tenmile Creek	Perennial	RPW	Timber Mat Crossing	20	-	0.0138	-	601	-	Yes	Installed, remains in place	Timber Mat	Yes	4-59
S-B6a Totals										**50**	**-**	**0.0345**	**-**	**1,503**	**-**					
S-K77	Doddridge	Huntington	39.229029	-80.552534	050302010402	Buckeye Creek	Intermittent	RPW	Pipeline ROW	37	-	0.0034	-	148	-	-	Proposed	Open Cut	Yes	4-80
S-K77	Doddridge	Huntington	39.228942	-80.552437	050302010402	Buckeye Creek	Intermittent	RPW	Pipeline ROW	93	-	0.0085	-	370	-	Yes	Proposed	Open Cut	Yes	4-80
S-K77 Totals										**130**	**-**	**0.0119**	**-**	**518**	**-**					
S-A110/K62	Doddridge	Huntington	39.201316	-80.553306	050302010403	Meathouse Fork	Intermittent	RPW	Permanent Access Road	-	25	-	0.0040	-	174	-	Proposed	Permanent Fill	Yes	4-85
S-A110/K62	Doddridge	Huntington	39.201286	-80.553425	050302010403	Meathouse Fork	Intermittent	RPW	Pipeline ROW	59	-	0.0095	-	414	-	-	Proposed	Open Cut	Yes	4-85
S-A110/K62 Totals										**59**	**25**	**0.0095**	**0.0040**	**414**	**174**					
S-K94	Lewis	Pittsburgh	39.167831	-80.578867	050200020302	Kincheloe Creek	Perennial	RPW	Temporary Access Road	18	-	0.0083	-	362	-	Yes	Installed, remains in place	Timber Mat	Yes	4-92
S-K94	Lewis	Pittsburgh	39.167575	-80.578144	050200020302	Kincheloe Creek	Perennial	RPW	Pipeline ROW	79	-	0.0363	-	1,581	-	-	Proposed	Open Cut	Yes	4-92
S-K94 Totals										**77**	**-**	**0.0178**	**-**	**1,190**	**-**					
S-H184	Lewis	Pittsburgh	39.069684	-80.580583	050200020301	Freemans Creek	Ephemeral	NRPW	Timber Mat Crossing	22	-	0.0051	-	222	-	Yes	Installed, remains in place	Timber Mat	Yes	4-111
S-H184a	Lewis	Pittsburgh	39.069645	-80.580591	050200020301	Freemans Creek	Ephemeral	NRPW	Timber Mat Crossing	22	-	0.0051	-	222	-	Yes	Installed, remains in place	Timber Mat	Yes	4-111
S-H184 Totals										**44**	**-**	**0.0102**	**-**	**444**	**-**					
S-KK5	Lewis	Huntington	39.017783	-80.596853	050302030101	Headwaters Sand Fork	Intermittent	RPW	Timber Mat Crossing	22	-	0.0015	-	65	-	Yes	Installed, remains in place	Timber Mat	Yes	4-119
S-KK5	Lewis	Huntington	39.017738	-80.597017	050302030101	Headwaters Sand Fork	Intermittent	RPW	Timber Mat Crossing	16	-	0.0011	-	48	-	-	Proposed	Timber Mat	Yes	4-119
S-KK5	Lewis	Huntington	39.017718	-80.597027	050302030101	Headwaters Sand Fork	Intermittent	RPW	Timber Mat Crossing	16	-	0.0011	-	48	-	-	Proposed	Timber Mat	Yes	4-119
S-KK5 Totals										**54**	**-**	**0.0037**	**-**	**161**	**-**					
S-K43	Lewis	Huntington	39.002111	-80.595843	050302030101	Headwaters Sand Fork	Perennial	RPW	Permanent Access Road	-	27	-	0.0043	-	187	-	Proposed	Permanent Fill	Yes	4-121
S-K43	Lewis	Huntington	39.002045	-80.596098	050302030101	Headwaters Sand Fork	Perennial	RPW	Timber Mat Crossing	22	-	0.0035	-	152	-	Yes	Installed, remains in place	Timber Mat	Yes	4-121
S-K43 Totals										**22**	**27**	**0.0035**	**0.0043**	**152**	**187**					
S-I63	Lewis	Huntington	38.969369	-80.593138	050302030101	Headwaters Sand Fork	Perennial	RPW	Pipeline ROW	60	-	0.0275	-	1,198	-	-	Proposed	Open Cut	Yes	4-128
S-I63	Lewis	Huntington	38.969290	-80.593203	050302030101	Headwaters Sand Fork	Perennial	RPW	Permanent Access Road	-	26	-	0.0119	-	518	-	Proposed	Permanent Fill	Yes	4-128
S-I63	Lewis	Huntington	38.969239	-80.593244	050302030101	Headwaters Sand Fork	Perennial	RPW	Temporary Access Road	8	-	0.0037	-	161	-	Yes	Installed, remains in place	Timber Mat	Yes	4-128
S-I63 Totals										**68**	**26**	**0.0312**	**0.0119**	**1,359**	**518**					
S-H160	Lewis	Huntington	38.933179	-80.584562	050302030102	Indian Fork	Perennial	RPW	Timber Mat Crossing	23	-	0.0106	-	462	-	Yes	Proposed	Bore[9]	Yes	4-135
S-L76	Lewis	Huntington	38.929761	-80.575251	050302030102	Indian Fork	Perennial	RPW	Permanent Access Road	33	-	0.0115	-	501	-	Yes	Installed, remains in place	Timber Mat	Yes	4-137
S-H160/S-L76 Totals										**56**	**-**	**0.0221**	**-**	**963**	**-**					
S-VV13	Lewis	Huntington	38.903930	-80.563537	050302030306	Oil Creek	Perennial	RPW	Timber Mat Crossing	80	-	0.0275	-	1,198	-	Yes	Proposed	Bore[9]	Yes	4-144
S-VV13d	Lewis	Huntington	38.902549	-80.564778	050302030306	Oil Creek	Perennial	RPW	Temporary Access Road	61	-	0.0210	-	915	-	Yes	Installed, remains in place	Timber Mat	Yes	4-144
S-VV13b	Lewis	Huntington	38.898431	-80.568250	050302030306	Oil Creek	Perennial	RPW	Temporary Access Road	42	-	0.0143	-	623	-	Yes	Installed, remains in place	Flume	Yes	4-146
S-VV13/S-VV13d/ S-VV13b Totals										**183**	**-**	**0.0628**	**-**	**2,736**	**-**					

Streams with Multiple Seperate Crossings
Mountain Valley Pipeline Project

Stream ID	County	USACE District	Latitude[1]	Longitude[1]	HUC 12	HUC 12 Name	Flow Regime	Water Type[2]	Project Activity	Temporary Impact (linear ft)[3]	Permanent Impact (linear ft)[3]	Temporary Impact Area (acres)[3]	Permanent Impact Area (acres)[3]	Temporary Impact Area (square feet)[3]	Permanent Impact Area (square feet)[3]	Travel lane crossing Installed and remains in place[4]	Crossing Status[5]	Proposed/Remaining Crossing Method	Included in Individual Permit Application	Figure
S-VV16	Lewis	Huntington	38.896271	-80.566551	050302030306	Oil Creek	Ephemeral	NRPW	Temporary Access Road	293	-	0.0202	-	880	-	Yes	Installed, remains in place	Timber Mat	Yes	4-146
S-VV16	Lewis	Huntington	38.895455	-80.566432	050302030306	Oil Creek	Ephemeral	NRPW	Temporary Access Road	211	-	0.0145	-	632	-	Yes	Installed, remains in place	Timber Mat	Yes	4-146
S-VV16 Totals										**504**	**-**	**0.0347**	**-**	**1,512**	**-**					
S-UV11	Lewis	Huntington	38.893014	-80.556192	050302030306	Oil Creek	Perennial	RPW	Permanent Access Road	-	25	-	0.0172	-	749	Yes	Installed, remains in place	Permanent Fill	Yes	4-148
S-UV11	Lewis	Huntington	38.893014	-80.556192	050302030306	Oil Creek	Perennial	RPW	Pipeline ROW	51	-	0.0351	-	1,529	-	-	Proposed	Open Cut	Yes	4-148
S-UV11 Totals										**51**	**-**	**0.0351**	**-**	**1,529**	**-**					
S-L61	Lewis	Huntington	38.880040	-80.563579	050302030306	Oil Creek	Intermittent	RPW	Permanent Access Road	-	30	-	0.0069	-	301	Yes	Installed, remains in place	Permanent Fill	Yes	4-151
S-L61	Lewis	Huntington	38.879034	-80.564307	050302030306	Oil Creek	Intermittent	RPW	Permanent Access Road	-	28	-	0.0064	-	279	Yes	Installed, remains in place	Permanent Fill	Yes	4-151
S-L61 Totals										**-**	**58**	**-**	**0.0133**	**-**	**580**					
S-L57	Braxton	Huntington	38.828310	-80.525753	050302030305	Burnsville Lake-Little Kanawha River	Ephemeral	NRPW	Temporary Access Road	-	26	-	0.0024	-	105	Yes	Installed, remains in place	Timber Mat/Rock/Flume	Yes	4-165
S-L57	Braxton	Huntington	38.828300	-80.525691	050302030305	Burnsville Lake-Little Kanawha River	Ephemeral	NRPW	Temporary Access Road/ATWS	25	-	0.0023	-	100	-	Yes	Installed, remains in place	Timber Mat/Rock/Flume	Yes	4-165
S-L57 Totals										**25**	**26**	**0.0023**	**0.0024**	**100**	**105**					
S-IJ27	Braxton	Huntington	38.809593	-80.541252	050302030305	Burnsville Lake-Little Kanawha River	Perennial	RPW	Permanent Access Road	-	34	-	0.0156	-	680	-	Proposed	Permanent Fill	Yes	4-168
S-IJ27	Braxton	Huntington	38.808878	-80.543272	050302030305	Burnsville Lake-Little Kanawha River	Perennial	RPW	Permanent Access Road	-	50	-	0.0230	-	1,002	-	Proposed	Permanent Fill	Yes	4-168
S-IJ27 Totals										**-**	**84**	**-**	**0.0386**	**-**	**1,682**					
S-H123	Braxton	Huntington	38.761197	-80.514887	050302030303	Falls Run-Little Kanawha River	Perennial	RPW	Pipeline ROW	82	-	0.0113	-	492	-	Yes	Proposed	Open Cut	Yes	4-178
S-H123	Braxton	Huntington	38.760426	-80.513624	050302030303	Falls Run-Little Kanawha River	Perennial	RPW	Pipeline ROW	82	-	0.0113	-	492	-	Yes	Proposed	Open Cut	Yes	4-178
S-H123 Totals										**164**	**-**	**0.0226**	**-**	**984**	**-**					
S-B62	Webster	Huntington	38.646185	-80.486813	050500070303	Outlet Right Fork Holly River	Perennial	RPW	ATWS	15	-	0.0103	-	449	-	Yes	Proposed	Timber Mat/Metal Bridge	Yes	4-215
S-B62	Webster	Huntington	38.643910	-80.485213	050500070303	Outlet Right Fork Holly River	Perennial	RPW	Permanent Access Road	-	29	-	0.0200	-	871	Yes	Installed, remains in place	Permanent Fill/Timber Mat	Yes	4-215
S-B62 Totals										**15**	**29**	**0.0103**	**0.0200**	**449**	**871**					
S-H111	Webster	Huntington	38.613367	-80.504620	050500070602	Upper Sutton Lake-Elk River	Intermittent	RPW	Timber Mat Crossing	22	-	0.0020	-	87	-	Yes	Proposed	Bore[9]	Yes	4-218
S-H111	Webster	Huntington	38.613341	-80.504620	050500070602	Upper Sutton Lake-Elk River	Intermittent	RPW	Timber Mat Crossing	22	-	0.0020	-	87	-	Yes	Proposed	Bore[9]	Yes	4-218
S-H111 Totals										**44**	**-**	**0.0040**	**-**	**174**	**-**					
S-H113	Webster	Huntington	38.612982	-80.503647	050500070601	Big Run-Elk River	Perennial	RPW	Pipeline ROW	74	-	0.0203	-	884	-	Yes	Proposed	Open Cut	Yes	4-218
S-H113	Webster	Huntington	38.612878	-80.503687	050500070601	Big Run-Elk River	Perennial	RPW	Pipeline ROW	9	-	0.0026	-	113	-	Yes	Proposed	Open Cut	Yes	4-218
S-H113	Webster	Huntington	38.612874	-80.503682	050500070601	Big Run-Elk River	Perennial	RPW	Pipeline ROW	9	-	0.0026	-	113	-	Yes	Proposed	Open Cut	Yes	4-218
S-H113 Totals										**92**	**-**	**0.0255**	**-**	**1,110**	**-**					
S-A93	Webster	Huntington	38.556823	-80.535751	050500070202	Outlet Laurel Creek	Ephemeral	NRPW	Temporary Access Road	13	-	0.0025	-	109	-	-	Proposed	Timber Mat	Yes	4-235
S-A93	Webster	Huntington	38.556682	-80.535572	050500070202	Outlet Laurel Creek	Ephemeral	NRPW	Pipeline ROW	105	-	0.0193	-	841	-	-	Proposed	Open Cut	Yes	4-235
S-A93 Totals										**118**	**-**	**0.0218**	**-**	**950**	**-**					
S-H107	Webster	Huntington	38.548467	-80.540073	050500070202	Outlet Laurel Creek	Intermittent	RPW	Pipeline ROW	10	-	0.0003	-	13	-	-	Proposed	Open Cut	Yes	4-236
S-H107	Webster	Huntington	38.548463	-80.540050	050500070202	Outlet Laurel Creek	Intermittent	RPW	Permanent Access Road	-	30	-	0.0010	-	44	Yes	Installed, remains in place	Permanent Fill/Timber Mat	Yes	4-236
S-H107	Webster	Huntington	38.548378	-80.539980	050500070202	Outlet Laurel Creek	Intermittent	RPW	Pipeline ROW	90	-	0.0031	-	135	-	-	Proposed	Open Cut	Yes	4-236
S-H107 Totals										**100**	**30**	**0.0034**	**0.0010**	**148**	**44**					
S-B39b	Webster	Huntington	38.493532	-80.560792	050500070201	Headwaters Laurel Creek	Ephemeral	NRPW	Pipeline ROW	142	-	0.0008	-	35	-	-	Proposed	Open Cut	Yes	4-260
S-B39b	Webster	Huntington	38.493352	-80.560574	050500070201	Headwaters Laurel Creek	Ephemeral	NRPW	Pipeline ROW	3	-	0.0002	-	9	-	-	Proposed	Open Cut	Yes	4-260
S-B39b Totals										**145**	**-**	**0.0010**	**-**	**44**	**-**	**-**				
S-B39a/B46	Webster	Huntington	38.493363	-80.560657	050500070201	Headwaters Laurel Creek	Ephemeral	NRPW	Pipeline ROW	110	-	0.0076	-	331	-	-	Proposed	Open Cut	Yes	4-260
S-B39a/B46	Webster	Huntington	38.493227	-80.560529	050500070201	Headwaters Laurel Creek	Ephemeral	NRPW	Pipeline ROW	11	-	0.0007	-	30	-	-	Proposed	Open Cut	Yes	4-260
S-B39a/B46 Totals										**121**	**-**	**0.0083**	**-**	**361**	**-**	**-**				
S-F36a	Webster	Huntington	38.422056	-80.569457	050500070401	Upper Birch River	Perennial	RPW	Temporary Access Road	5	-	0.0006	-	26	-	Yes	Installed, remains in place	Timber Mat	Yes	4-278
S-F36a	Webster	Huntington	38.421474	-80.570012	050500070401	Upper Birch River	Perennial	RPW	Temporary Access Road	23	-	0.0027	-	118	-	Yes	Installed, remains in place	Timber Mat	Yes	4-278
S-F36a	Webster	Huntington	38.418662	-80.573898	050500070401	Upper Birch River	Perennial	RPW	Temporary Access Road	23	-	0.0027	-	118	-	Yes	Installed, remains in place	Culvert/Timber Mat	Yes	4-278
S-F36a	Webster	Huntington	38.418122	-80.574566	050500070401	Upper Birch River	Perennial	RPW	Temporary Access Road	20	-	0.0023	-	100	-	Yes	Installed, remains in place	Culvert/Timber Mat	Yes	4-278
S-F36a Totals										**71**	**-**	**0.0083**	**-**	**362**	**-**					
S-F36b	Webster	Huntington	38.417934	-80.576775	050500070401	Upper Birch River	Perennial	RPW	Temporary Access Road	65	-	0.0300	-	1,307	-	Yes	Installed, remains in place	Culvert/Timber Mat	Yes	4-279
S-F36b	Webster	Huntington	38.417774	-80.576635	050500070401	Upper Birch River	Perennial	RPW	Pipeline ROW	78	-	0.0359	-	1,564	-	-	Proposed	Open Cut	Yes	4-279
S-F36b	Webster	Huntington	38.417693	-80.576495	050500070401	Upper Birch River	Perennial	RPW	Temporary Access Road	16	-	0.0074	-	322	-	Yes	Installed, remains in place	Timber Mat	Yes	4-279
S-F36b Totals										**159**	**-**	**0.0733**	**-**	**3,193**	**-**					
S-B32-Braid	Webster	Huntington	38.405871	-80.591069	050500070401	Upper Birch River	Perennial	RPW	Timber Mat Crossing	22	-	0.0035	-	152	-	Yes	Proposed	Bore[9]	Yes	4-281
S-B32	Webster	Huntington	38.405683	-80.591116	050500070401	Upper Birch River	Perennial	RPW	Timber Mat Crossing	22	-	0.0035	-	152	-	Yes	Proposed	Bore[9]	Yes	4-281
S-B32 Totals										**44**	**-**	**0.0070**	**-**	**304**	**-**					
S-E50	Webster	Huntington	38.370597	-80.611921	050500050303	Big Laurel Creek-Gauley River	Perennial	RPW	Pipeline ROW	93	-	0.0085	-	370	-	Yes	Proposed	Open Cut	Yes	4-289
S-E50	Webster	Huntington	38.367280	-80.612317	050500050303	Big Laurel Creek-Gauley River	Perennial	RPW	Pipeline ROW	82	-	0.0075	-	327	-	-	Proposed	Open Cut	Yes	4-289
S-E50 Totals										**175**	**-**	**0.0160**	**-**	**697**	**-**					
S-E46	Webster	Huntington	38.363374	-80.617277	050500050303	Big Laurel Creek-Gauley River	Perennial	RPW	Timber Mat Crossing	22	-	0.0152	-	662	-	Yes	Proposed	Bore[9]	Yes	4-291
S-E46	Webster	Huntington	38.363326	-80.616955	050500050303	Big Laurel Creek-Gauley River	Perennial	RPW	Temporary Access Road	43	-	0.0296	-	1,289	-	Yes	Installed, remains in place	Timber Mat	Yes	4-291
S-E46 Totals										**65**	**-**	**0.0448**	**-**	**1,951**	**-**					

Streams with Multiple Seperate Crossings
Mountain Valley Pipeline Project

Stream ID	County	USACE District	Latitude[1]	Longitude[1]	HUC 12	HUC 12 Name	Flow Regime	Water Type[2]	Project Activity	Temporary Impact (linear ft)[3]	Permanent Impact (linear ft)[3]	Temporary Impact Area (acres)[3]	Permanent Impact Area (acres)[3]	Temporary Impact Area (square feet)[3]	Permanent Impact Area (square feet)[3]	Travel lane crossing Installed and remains in place[4]	Crossing Status[5]	Proposed/Remaining Crossing Method	Included in Individual Permit Application	Figure
S-F21	Nicholas	Huntington	38.355859	-80.633328	050500050303	Big Laurel Creek-Gauley River	Perennial	RPW	Timber Mat Crossing	18	-	0.0016	-	70	-	Yes	Installed, remains in place	Timber Mat/Culvert	Yes	4-293
S-F20	Nicholas	Huntington	38.355800	-80.633223	050500050303	Big Laurel Creek-Gauley River	Perennial	RPW	Timber Mat Crossing	22	-	0.0051	-	222	-	Yes	Proposed	Bore[9]	Yes	4-293
S-F21/S-F20 Totals										**40**	**-**	**0.0067**	**-**	**292**	**-**					
S-J32	Nicholas	Huntington	38.331763	-80.670342	050500050303	Big Laurel Creek-Gauley River	Perennial	RPW	Timber Mat Crossing	22	-	0.0177	-	771	-	Yes	Proposed	Bore[9]	Yes	4-301
S-A65	Nicholas	Huntington	38.308183	-80.675347	050500050801	Big Beaver Creek	Perennial	RPW	Pipeline ROW	77	-	0.1240	-	5,401	-	Yes	Proposed	Open Cut	Yes	4-304
S-J32/S-A65 Totals										**99**	**-**	**0.1417**	**-**	**6,172**	**-**					
S-A71	Nicholas	Huntington	38.321572	-80.670958	050500050801	Big Beaver Creek	Perennial	RPW	Timber Mat Crossing	22	-	0.0020	-	87	-	Yes	Proposed	Bore[9]	Yes	4-302
S-A71-Braid	Nicholas	Huntington	38.321548	-80.670969	050500050801	Big Beaver Creek	Intermittent	RPW	Timber Mat Crossing	22	-	0.0040	-	174	-	Yes	Proposed	Bore[9]	Yes	4-302
S-A71 Totals										**44**	**-**	**0.0060**	**-**	**261**	**-**					
S-A69	Nicholas	Huntington	38.317217	-80.671495	050500050801	Big Beaver Creek	Intermittent	RPW	Pipeline ROW	82	-	0.0113	-	492	-	Yes	Proposed	Open Cut	Yes	4-303
S-A69	Nicholas	Huntington	38.317089	-80.671565	050500050801	Big Beaver Creek	Intermittent	RPW	Pipeline ROW	16	-	0.0022	-	96	-	-	Proposed	Open Cut	Yes	4-303
S-A69 Totals										**98**	**-**	**0.0135**	**-**	**588**	**-**					
S-N14	Nicholas	Huntington	38.297014	-80.676341	050500050801	Big Beaver Creek	Perennial	RPW	Timber Mat Crossing	22	-	0.0040	-	174	-	Yes	Proposed	Bore[9]	Yes	4-307
S-N14	Nicholas	Huntington	38.296646	-80.676258	050500050801	Big Beaver Creek	Perennial	RPW	Timber Mat Crossing	22	-	0.0040	-	174	-	Yes	Proposed	Bore[9]	Yes	4-307
S-N14Totals										**44**	**-**	**0.0080**	**-**	**348**	**-**					
S-J24	Nicholas	Huntington	38.256302	-80.687350	050500050804	Panther Creek-Gauley River	Perennial	RPW	Pipeline ROW	76	-	0.0261	-	1,137	-	-	Proposed	Open Cut	Yes	4-317
S-J24	Nicholas	Huntington	38.256248	-80.687358	050500050804	Panther Creek-Gauley River	Perennial	RPW	Pipeline ROW	76	-	0.0261	-	1,137	-	Yes	Proposed	Open Cut	Yes	4-317
S-J24 Totals										**152**	**-**	**0.0522**	**-**	**2,274**	**-**					
S-N10	Nicholas	Huntington	38.231025	-80.710633	050500050502	Outlet Hominy Creek	Perennial	RPW	Pipeline ROW	78	-	0.0071	-	309	-	Yes	Proposed	Open Cut	Yes	4-327
S-N10-Braid	Nicholas	Huntington	38.230934	-80.710804	050500050502	Outlet Hominy Creek	Intermittent	RPW	Pipeline ROW	101	-	0.0069	-	301	-	Yes	Proposed	Open Cut	Yes	4-327
S-N10 Totals										**179**	**-**	**0.0140**	**-**	**610**	**-**					
S-N13-Braid	Nicholas	Huntington	38.226869	-80.715487	050500050502	Outlet Hominy Creek	Intermittent	RPW	Pipeline ROW	37	-	0.0050	-	218	-	Yes	Proposed	Open Cut	Yes	4-328
S-N13	Nicholas	Huntington	38.226851	-80.715393	050500050502	Outlet Hominy Creek	Intermittent	RPW	Pipeline ROW	89	-	0.0041	-	179	-	Yes	Proposed	Open Cut	Yes	4-328
S-N13 Totals										**126**	**-**	**0.0091**	**-**	**397**	**-**					
S-L35	Nicholas	Huntington	38.204372	-80.719778	050500050502	Outlet Hominy Creek	Perennial	RPW	Temporary Access Road	52	-	0.0048	-	209	-	Yes	Installed, remains in place	Timber Mat	Yes	4-341
S-L35	Nicholas	Huntington	38.203887	-80.719122	050500050502	Outlet Hominy Creek	Perennial	RPW	Pipeline ROW	86	-	0.0079	-	344	-	-	Proposed	Open Cut	Yes	4-341
S-L35	Nicholas	Huntington	38.203097	-80.719248	050500050502	Outlet Hominy Creek	Perennial	RPW	Pipeline ROW	87	-	0.0080	-	348	-	-	Proposed	Open Cut	Yes	4-341
S-L35	Nicholas	Huntington	38.200338	-80.717177	050500050502	Outlet Hominy Creek	Perennial	RPW	Pipeline ROW	79	-	0.0072	-	314	-	-	Proposed	Open Cut	Yes	4-341
S-L35 Totals										**304**	**-**	**0.0279**	**-**	**1,215**	**-**					
S-I21	Greenbrier	Huntington	37.918228	-80.736774	050500050604	Sewell Creek	Perennial	RPW	Pipeline ROW	30	-	0.0034	-	148	-	-	Proposed	Open Cut	Yes	4-409
S-I21	Greenbrier	Huntington	37.918164	-80.736852	050500050604	Sewell Creek	Perennial	RPW	Pipeline ROW	77	-	0.0089	-	388	-	Yes	Proposed	Open Cut	Yes	4-409
S-I21 Totals										**107**	**-**	**0.0123**	**-**	**536**	**-**					
S-UV2	Greenbrier	Huntington	37.851318	-80.751436	050500050602	Otter Creek-Meadow River	Perennial	RPW	Permanent Access Road	-	28	-	0.0103	-	449	-	Proposed	Permanent Fill	Yes	4-423
S-UV2	Greenbrier	Huntington	37.851099	-80.752978	050500050602	Otter Creek-Meadow River	Perennial	RPW	Pipeline ROW	88	-	0.0324	-	1,411	-	-	Proposed	Open Cut	Yes	4-423
S-UV2 Totals										**88**	**28**	**0.0324**	**0.0103**	**1,411**	**449**					
S-FF1	Greenbrier	Huntington	37.837560	-80.751903	050500050602	Otter Creek-Meadow River	Ephemeral	NRPW	Permanent Access Road	11	-	0.0008	-	35	-	-	Proposed	Timber Mat	Yes	4-425
S-FF1	Greenbrier	Huntington	37.837519	-80.751898	050500050602	Otter Creek-Meadow River	Ephemeral	NRPW	Permanent Access Road	-	31	-	0.0021	-	91	-	Proposed	Permanent Fill	Yes	4-425
S-FF1 Totals										**11**	**31**	**0.0008**	**0.0021**	**35**	**91**					
S-J13	Summers	Huntington	37.797484	-80.733605	050500050602	Otter Creek-Meadow River	Ephemeral	NRPW	Pipeline ROW	92	-	0.0085	-	370	-	Yes	Proposed	Open Cut	Yes	4-432
S-J13	Summers	Huntington	37.796572	-80.732397	050500050602	Otter Creek-Meadow River	Ephemeral	NRPW	Pipeline ROW	96	-	0.0088	-	383	-	Yes	Proposed	Open Cut	Yes	4-432
S-J13	Summers	Huntington	37.795915	-80.731850	050500050602	Otter Creek-Meadow River	Ephemeral	NRPW	Pipeline ROW	124	-	0.0114	-	497	-	Yes	Proposed	Open Cut	Yes	4-432
S-J13 Totals										**312**	**-**	**0.0287**	**-**	**1,250**	**-**					
S-I12	Summers	Huntington	37.775891	-80.710797	050500040204	Lick Creek	Intermittent	RPW	Permanent Access Road	-	38	-	0.0035	-	152	-	Proposed	Permanent Fill	Yes	4-438
S-I19	Summers	Huntington	37.772089	-80.732901	050500040204	Lick Creek	Perennial	RPW	Pipeline ROW	77	-	0.0265	-	1,154	-	Yes	Proposed	Open Cut	Yes	4-441
S-I12/ S-I19 Totals										**77**	**38**	**0.0265**	**0.0035**	**1,154**	**152**					
S-N2	Summers	Huntington	37.694507	-80.736682	050500030906	Hungard Creek-Greenbrier River	Perennial	RPW	Timber Mat Crossing	22	-	0.0101	-	440	-	Yes	Proposed	Bore[9]	Yes	4-461
S-M3	Summers	Huntington	37.692868	-80.734247	050500030906	Hungard Creek-Greenbrier River	Perennial	RPW	Pipeline ROW	80	-	0.0183	-	797	-	Yes	Proposed	Open Cut	Yes	4-461
S-N2/S-M3 Totals										**102**	**-**	**0.0284**	**-**	**1,237**	**-**					
S-K10	Summers	Huntington	37.675079	-80.734384	050500030906	Hungard Creek-Greenbrier River	Intermittent	RPW	Temporary Access Road	9	-	0.0013	-	57	-	-	Proposed	Timber Mat	Yes	4-465
S-K10	Summers	Huntington	37.675070	-80.734447	050500030906	Hungard Creek-Greenbrier River	Intermittent	RPW	Permanent Access Road	-	31	-	0.0043	-	187	-	Proposed	Permanent Fill	Yes	4-465
S-K10	Summers	Huntington	37.675058	-80.734522	050500030906	Hungard Creek-Greenbrier River	Intermittent	RPW	Temporary Access Road	9	-	0.0013	-	57	-	-	Proposed	Timber Mat	Yes	4-465
S-K10 Totals*										**18**	**31**	**0.0026**	**0.0043**	**114**	**187**					
S-A63	Monroe	Huntington	37.560706	-80.709825	050500020604	Middle Indian Creek	Perennial	RPW	Permanent Access Road	-	25	-	0.0057	-	248	-	Proposed	Permanent Fill	Yes	4-492
S-A63	Monroe	Huntington	37.560460	-80.710233	050500020604	Middle Indian Creek	Perennial	RPW	Pipeline ROW	88	-	0.0203	-	884	-	-	Proposed	Open Cut	Yes	4-492
S-A60	Monroe	Huntington	37.558698	-80.709966	050500020604	Middle Indian Creek	Perennial	RPW	Pipeline ROW	87	-	0.0358	-	1,559	-	Yes	Proposed	Open Cut	Yes	4-492
S-A63/S-A60 Totals										**175**	**25**	**0.0561**	**0.0057**	**2,443**	**248**					
S-A61	Monroe	Huntington	37.559351	-80.709683	050500020604	Middle Indian Creek	Ephemeral	NRPW	Temporary Access Road	8	-	0.0012	-	52	-	-	Proposed	Timber Mat	Yes	4-493
S-A61	Monroe	Huntington	37.559334	-80.709736	050500020604	Middle Indian Creek	Ephemeral	NRPW	Permanent Access Road	-	26	-	0.0041	-	179	-	Proposed	Permanent Fill	Yes	4-493
S-A61	Monroe	Huntington	37.559328	-80.709792	050500020604	Middle Indian Creek	Ephemeral	NRPW	Temporary Access Road	8	-	0.0013	-	57	-	-	Proposed	Timber Mat	Yes	4-493
S-A61	Monroe	Huntington	37.559320	-80.710037	050500020604	Middle Indian Creek	Ephemeral	NRPW	Pipeline ROW	81	-	0.0131	-	571	-	Yes	Proposed	Open Cut	Yes	4-493
S-A61 Totals										**97**	**26**	**0.0156**	**0.0041**	**680**	**179**					

Streams with Multiple Seperate Crossings
Mountain Valley Pipeline Project

Stream ID	County	USACE District	Latitude[1]	Longitude[1]	HUC 12	HUC 12 Name	Flow Regime	Water Type[2]	Project Activity	Temporary Impact (linear ft)[3]	Permanent Impact (linear ft)[3]	Temporary Impact Area (acres)[3]	Permanent Impact Area (acres)[3]	Temporary Impact Area (square feet)[3]	Permanent Impact Area (square feet)[3]	Travel lane crossing Installed and remains in place[4]	Crossing Status[5]	Proposed/Remaining Crossing Method	Included in Individual Permit Application	Figure
S-F18	Monroe	Huntington	37.538273	-80.719070	050500020604	Middle Indian Creek	Perennial	RPW	Permanent Access Road	-	26	-	0.0107	-	466	-	Proposed	Permanent Fill	Yes	4-496
S-F18	Monroe	Huntington	37.536872	-80.716923	050500020604	Middle Indian Creek	Perennial	RPW	Timber Mat Crossing	22	-	0.0091	-	396	-	Yes	Installed, remains in place	Timber Mat	Yes	4-496
S-F18 Totals										**22**	**26**	**0.0091**	**0.0107**	**396**	**466**					
S-E40	Monroe	Huntington	37.451003	-80.667795	050500020404	Rich Creek	Perennial	RPW	Temporary Access Road	43	-	0.0117	-	510	-	-	Installed, remains in place	Timber Mat	Yes	4-515
S-E40	Monroe	Huntington	37.450757	-80.667719	050500020404	Rich Creek	Perennial	RPW	Pipeline ROW	82	-	0.0227	-	989	-	Yes	Proposed	Open Cut	Yes	4-515
S-E40 Totals										**125**	**-**	**0.0344**	**-**	**1,499**	**-**					
S-S5-Braid-2	**Giles**	**Norfolk**	**37.360325**	**-80.684214**	**050500020602**	**Stony Creek**	**Ephemeral**	**NRPW**	**Pipeline ROW**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**Proposed**	**Bore**	**-**	**4-536**
S-S5-Braid-2	Giles	Norfolk	37.360325	-80.684214	050500020602	Stony Creek	Ephemeral	NRPW	Timber Mat Crossing	20	-	0.0028	-	122	-	-	Proposed	Timber Mat	Yes	4-536
S-S5-Braid-1	**Giles**	**Norfolk**	**37.360276**	**-80.684193**	**050500020602**	**Stony Creek**	**Ephemeral**	**NRPW**	**Pipeline ROW**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**Proposed**	**Bore**	**-**	**4-536**
S-S5-Braid-1	Giles	Norfolk	37.360276	-80.684193	050500020602	Stony Creek	Ephemeral	NRPW	Timber Mat Crossing	20	-	0.0032	-	139	-	-	Proposed	Timber Mat	Yes	4-536
S-S5	**Giles**	**Norfolk**	**37.360071**	**-80.683960**	**050500020602**	**Stony Creek**	**Perennial**	**RPW**	**Pipeline ROW**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**Proposed**	**Bore**	**-**	**4-536**
S-S5	Giles	Norfolk	37.360071	-80.683960	050500020602	Stony Creek	Perennial	RPW	Timber Mat Crossing	40	-	0.0184	-	802	-	-	Proposed	Timber Mat	Yes	4-536
S-S5 Totals										**80**	**-**	**0.0244**	**-**	**1,063**	**-**	**-**				
S-G35	Giles	Norfolk	37.344876	-80.633426	050500020602	Little Stony Creek-New River	Perennial	RPW	Timber Mat Crossing	25	-	0.0115	-	501	-	Yes	Installed, remains in place	Timber Mat	Yes	4-544
S-G35	Giles	Norfolk	37.344779	-80.633379	050500020602	Little Stony Creek-New River	Perennial	RPW	Timber Mat Crossing	25	-	0.0115	-	501	-	Yes	Proposed	Bore[9]	Yes	4-544
S-G35 Totals										**50**	**-**	**0.0230**	**-**	**1,002**	**-**					
S-Z7	Giles	Norfolk	37.344278	-80.626185	050500020602	Little Stony Creek-New River	Intermittent	RPW	Timber Mat Crossing	20	-	0.0014	-	61	-	Yes	Proposed	Bore[9]	Yes	4-545
S-Z7-Braid-1	Giles	Norfolk	37.344277	-80.626113	050500020602	Little Stony Creek-New River	Ephemeral	NRPW	Timber Mat Crossing	20	-	0.0014	-	61	-	Yes	Proposed	Bore[9]	Yes	4-545
S-Z7 Totals										**40**	**-**	**0.0028**	**-**	**122**	**-**					
S-YZ1	Giles	Norfolk	37.338952	-80.614618	050500020602	Little Stony Creek-New River	Intermittent	RPW	Temporary Access Road	102	-	0.0234	-	113	-	-	Proposed	Timber Mat	Yes	4-546
S-Y2	Giles	Norfolk	37.331332	-80.583047	050500020602	Little Stony Creek-New River	Perennial	RPW	Timber Mat Crossing	25	-	0.0115	-	501	-	Yes	Proposed	Bore[9]	Yes	4-551
S-YZ1/S-Y2 Totals										**127**	**-**	**0.0349**	**-**	**614**	**-**					
S-QQ2	Craig	Norfolk	37.333152	-80.429438	050500020303	Upper Sinking Creek	Perennial	RPW	Temporary Access Road	40	-	0.0321	-	1,398	-	Yes	Installed, remains in place	Timber Mat	Yes	4-581
S-NN17	**Giles**	**Norfolk**	**37.311616**	**-80.515786**	**050500020304**	**Lower Sinking Creek**	**Perennial**	**RPW**	**Pipeline ROW**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**Proposed**	**Bore**	**-**	**4-564**
S-NN17	Giles	Norfolk	37.311616	-80.515786	050500020304	Lower Sinking Creek	Perennial	RPW	Timber Mat Crossing	55	-	0.0253	-	1102	-	-	Proposed	Timber Mat	Yes	4-564
S-QQ2/S-NN17 Totals										**95**	**-**	**0.0574**	**-**	**2,500**	**-**					
S-MN11-Upstream	Giles	Norfolk	37.332869	-80.559168	050500020304	Lower Sinking Creek	Ephemeral	NRPW	Temporary Access Road	15	-	0.0014	-	61	-	Yes	Installed, remains in place	Timber Mat	Yes	4-554
S-MN11-Upstream	Giles	Norfolk	37.332191	-80.559979	050500020304	Lower Sinking Creek	Ephemeral	NRPW	Temporary Access Road	30	-	0.0028	-	122	-	Yes	Installed, remains in place	Timber Mat	Yes	4-554
S-MN11-Downstream	Giles	Norfolk	37.332146	-80.560079	050500020304	Lower Sinking Creek	Ephemeral	NRPW	Temporary Access Road	37	-	0.0042	-	183	-	Yes	Installed, remains in place	Timber Mat	Yes	4-554
S-MN11 Totals										**82**	**-**	**0.0084**	**-**	**366**	**-**					
S-E25-Downstream	Giles	Norfolk	37.325638	-80.564680	050500020304	Lower Sinking Creek	Perennial	RPW	Timber Mat Crossing	20	-	0.0037	-	161	-	Yes	Installed, remains in place	Timber Mat	Yes	4-553
S-E25-Upstream	Giles	Norfolk	37.325607	-80.564373	050500020304	Lower Sinking Creek	Perennial	RPW	Pipeline ROW	15	-	0.0034	-	148	-	-	Proposed	Timber Mat	Yes	4-553
S-E25-Downstream	Giles	Norfolk	37.325605	-80.564465	050500020304	Lower Sinking Creek	Perennial	RPW	Timber Mat Crossing	20	-	0.0037	-	161	-	Yes	Proposed	Bore[9]	Yes	4-553
S-E25 Totals										**55**	**-**	**0.0108**	**-**	**470**	**-**					
S-U18-EPH	Giles	Norfolk	37.322737	-80.552396	050500020304	Lower Sinking Creek	Ephemeral	NRPW	Pipeline ROW	74	-	0.0102	-	444	-	Yes	Proposed	Open Cut	Yes	4-555
S-IJ18-INT	Giles	Norfolk	37.321756	-80.553011	050500020304	Lower Sinking Creek	Intermittent	RPW	Temporary Access Road	44	-	0.0040	-	174	-	Yes	Installed, remains in place	Timber Mat	Yes	4-555
S-IJ18 Totals										**118**	**-**	**0.0142**	**-**	**618**	**-**					
S-IJ19	Giles	Norfolk	37.322194	-80.553058	050500020304	Lower Sinking Creek	Ephemeral	NRPW	Temporary Access Road	43	-	0.0039	-	170	-	Yes	Installed, remains in place	Timber Mat	Yes	4-555
S-IJ19	Giles	Norfolk	37.321823	-80.553110	050500020304	Lower Sinking Creek	Ephemeral	NRPW	Temporary Access Road	9	-	0.0008	-	35	-	Yes	Installed, remains in place	Timber Mat	Yes	4-555
S-IJ19 Totals										**52**	**-**	**0.0047**	**-**	**205**	**-**					
S-IJ16-b	Giles	Norfolk	37.318246	-80.547711	050500020304	Lower Sinking Creek	Ephemeral	NRPW	Pipeline ROW	78	-	0.0179	-	780	-	Yes	Proposed	Open Cut	Yes	4-558
S-IJ16-a	Giles	Norfolk	37.311730	-80.544091	050500020304	Lower Sinking Creek	Ephemeral	NRPW	Permanent Access Road	-	31	-	0.0050	-	217	Yes	Installed, remains in place	Permanent Fill/Timber Mat	Yes	4-559
S-IJ16-a	Giles	Norfolk	37.311730	-80.544091	050500020304	Lower Sinking Creek	Ephemeral	NRPW	Permanent Access Road	20	-	0.0032	-	140	-	Yes	Installed, remains in place	Timber Mat	Yes	4-559
S-IJ16-a Totals										**98**	**31**	**0.0211**	**0.0050**	**920**	**217**					
S-RR13	Montgomery	Norfolk	37.314504	-80.402613	020802011003	Trout Creek-Craig Creek	Perennial	RPW	Temporary Access Road	41	-	0.0329	-	1,433	-	Yes	Installed, remains in place	Timber Mat	Yes	4-585
S-OO6	**Montgomery**	**Norfolk**	**37.313511**	**-80.404606**	**020802011003**	**Trout Creek-Craig Creek**	**Perennial**	**RPW**	**Pipeline ROW**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**Proposed**	**Bore**	**-**	**4-585**
S-OO6	Montgomery	Norfolk	37.313511	-80.404606	020802011003	Trout Creek-Craig Creek	Perennial	RPW	Timber Mat Crossing	35	-	0.0161	-	701	-	-	Proposed	Timber Mat	Yes	4-585
S-RR13/S-OO6 Totals										**76**	**-**	**0.0490**	**-**	**2,134**	**-**					
S-C36	Montgomery	Norfolk	37.257260	-80.281611	030101010203	Wilson Creek-North Fork Roanoke River	Intermittent	RPW	Pipeline ROW	96	-	0.0066	-	287	-	Yes	Proposed	Open Cut	Yes	4-609
S-C36	Montgomery	Norfolk	37.257133	-80.281475	030101010203	Wilson Creek-North Fork Roanoke River	Intermittent	RPW	Pipeline ROW	36	-	0.0025	-	109	-	Yes	Proposed	Open Cut	Yes	4-609
S-C36 Totals										**132**	**-**	**0.0091**	**-**	**396**	**-**					
S-IJ10	Franklin	Norfolk	37.089179	-80.005026	030101010601	Madcap Creek-Blackwater River	Perennial	RPW	Timber Mat Crossing	20	-	0.0014	-	61	-	-	Proposed	Timber Mat	Yes	4-681
S-CD6	Franklin	Norfolk	37.057584	-79.913921	030101010601	Madcap Creek-Blackwater River	Perennial	RPW	Pipeline ROW	77	-	0.1016	-	4,426	-	Yes	Proposed	Open Cut	Yes	4-698
S-II2	Franklin	Norfolk	37.049219	-79.908513	030101010601	Madcap Creek-Blackwater River	Perennial	RPW	Pipeline ROW	76	-	0.0745	-	3,245	-	-	Proposed	Open Cut	Yes	4-699
S-IJ10/S-CD6/ S-II2 Totals										**173**	**-**	**0.1775**	**-**	**7,732**	**-**					

Streams with Multiple Seperate Crossings
Mountain Valley Pipeline Project

Stream ID	County	USACE District	Latitude[1]	Longitude[1]	HUC 12	HUC 12 Name	Flow Regime	Water Type[2]	Project Activity	Temporary Impact (linear ft)[3]	Permanent Impact (linear ft)[3]	Temporary Impact Area (acres)[3]	Permanent Impact Area (acres)[3]	Temporary Impact Area (square feet)[3]	Permanent Impact Area (square feet)[3]	Travel lane crossing Installed and remains in place[4]	Crossing Status[5]	Proposed/Remaining Crossing Method	Included in Individual Permit Application	Figure
S-E28	Franklin	Norfolk	37.089047	-79.961300	030101010601	Madcap Creek-Blackwater River	Perennial	RPW	Pipeline ROW	82	-	0.0226	-	984	-	Yes	Proposed	Open Cut	Yes	4-687
S-E28	Franklin	Norfolk	37.085247	-79.948057	030101010601	Madcap Creek-Blackwater River	Perennial	RPW	Pipeline ROW	76	-	0.0209	-	910	-	-	Proposed	Open Cut	Yes	4-690
S-E28	Franklin	Norfolk	37.082875	-79.945556	030101010601	Madcap Creek-Blackwater River	Perennial	RPW	Pipeline ROW	101	-	0.0278	-	1,211	-	Yes	Proposed	Open Cut	Yes	4-690
S-EF12	Franklin	Norfolk	37.073367	-79.939865	030101010601	Madcap Creek-Blackwater River	Perennial	RPW	Pipeline ROW	79	-	0.0363	-	1,581	-	Yes	Proposed	Open Cut	Yes	4-692
S-D23	Franklin	Norfolk	37.070322	-79.931039	030101010601	Madcap Creek-Blackwater River	Perennial	RPW	Pipeline ROW	92	-	0.0479	-	2,087	-	Yes	Proposed	Open Cut	Yes	4-694
S-C14	Franklin	Norfolk	37.063956	-79.921985	030101010601	Madcap Creek-Blackwater River	Perennial	RPW	Pipeline ROW	90	-	0.0839	-	3,655	-	Yes	Proposed	Open Cut	Yes	4-696
S-C17	Franklin	Norfolk	37.058390	-79.918015	030101010601	Madcap Creek-Blackwater River	Perennial	RPW	Timber Mat Crossing	30	-	0.0138	-	601	-	Yes	Proposed	Bore[9]	Yes	4-696
S-E28/S-EF12/ S-D23/S-C14/ S-C17 Totals										**550**	**-**	**0.2532**	**-**	**11,029**	**-**					
S-EF7	Franklin	Norfolk	37.074664	-79.941123	030101010601	Madcap Creek-Blackwater River	Ephemeral	NRPW	Timber Mat Crossing	20	-	0.0009	-	39	-	-	Proposed	Timber Mat	Yes	4-692
S-EF7	Franklin	Norfolk	37.074636	-79.941336	030101010601	Madcap Creek-Blackwater River	Ephemeral	NRPW	ATWS	22	-	0.0010	-	44	-	-	Proposed	Timber Mat	Yes	4-692
S-EF7 Totals										**42**	**-**	**0.0019**	**-**	**83**	**-**	**-**				
S-F9b	Franklin	Norfolk	37.049238	-79.817223	030101010603	Standiford Creek-Smith Mountain Lake	Perennial	RPW	Pipeline ROW	76	-	0.0262	-	1,141	-	Yes	Proposed	Open Cut	Yes	4-713
S-F9a	Franklin	Norfolk	37.047172	-79.813000	030101010603	Standiford Creek-Smith Mountain Lake	Intermittent	RPW	Timber Mat Crossing	20	-	0.0069	-	301	-	Yes	Proposed	Bore[9]	Yes	4-713
S-F9b/S-F9a Totals										**96**	**-**	**0.0331**	**-**	**1,442**	**-**					
S-D1-EPH	Pittsylvania	Norfolk	36.964430	-79.595691	030101011002	Tomahawk Creek-Pigg River	Ephemeral	NRPW	Pipeline ROW	61	-	0.0140	-	610	-	Yes	Proposed	Open Cut	Yes	4-748
S-D1-INT	Pittsylvania	Norfolk	36.964407	-79.595841	030101011002	Tomahawk Creek-Pigg River	Intermittent	RPW	Pipeline ROW	29	-	0.0067	-	292	-	Yes	Proposed	Open Cut	Yes	4-748
S-D1 Totals										**90**	**-**	**0.0207**	**-**	**902**	**-**					
S-C3	Pittsylvania	Norfolk	36.929762	-79.526109	030101011002	Tomahawk Creek-Pigg River	Perennial	RPW	Timber Mat Crossing	20	-	0.0083	-	362	-	Yes	Proposed	Bore[9]	Yes	4-758
S-H13	Pittsylvania	Norfolk	36.925105	-79.517350	030101011002	Tomahawk Creek-Pigg River	Perennial	RPW	Pipeline ROW	77	-	0.0354	-	1,542	-	Yes	Proposed	Open Cut	Yes	4-759
S-G4	Pittsylvania	Norfolk	36.916463	-79.492669	030101011002	Tomahawk Creek-Pigg River	Perennial	RPW	Timber Mat Crossing	30	-	0.0138	-	601	-	Yes	Proposed	Bore[9]	Yes	4-762
S-C3/S-H13/ S-G4 Totals										**127**	**-**	**0.0575**	**-**	**2,505**	**-**					
S-CC5	Pittsylvania	Norfolk	38.899411	-79.462483	030101050203	Cherrystone Creek	Perennial	RPW	Timber Mat Crossing	20	-	0.0055	-	240	-	Yes	Proposed	Bore[9]	Yes	4-766
S-CC5	Pittsylvania	Norfolk	36.899248	-79.462396	030101050203	Cherrystone Creek	Perennial	RPW	Timber Mat Crossing	54	-	0.0149	-	649	-	Yes	Proposed	Timber Mat	Yes	4-766
S-CC5 Totals										**74**	**-**	**0.0204**	**-**	**889**	**-**					
S-DD4-Braid-1	Pittsylvania	Norfolk	36.871651	-79.404061	030101050202	Mill Creek-Whitehorn Creek	Intermittent	RPW	Pipeline ROW	67	-	0.0092	-	401	-	Yes	Proposed	Open Cut	Yes	4-775
S-DD4	Pittsylvania	Norfolk	36.871478	-79.403907	030101050202	Mill Creek-Whitehorn Creek	Intermittent	RPW	Pipeline ROW	147	-	0.0202	-	880	-	Yes	Proposed	Open Cut	Yes	4-775
S-DD4	**Pittsylvania**	**Norfolk**	**36.870977**	**-79.402722**	**030101050202**	**Mill Creek-Whitehorn Creek**	**Intermittent**	**RPW**	**Pipeline ROW**	**-**	**-**	**-**	**-**	**-**	**-**	**Yes**	**Proposed**	**Bore**	**Yes**	**4-775**
S-DD4 Totals										**214**	**-**	**0.0294**	**-**	**1,281**	**-**					
S-H42	Pittsylvania	Norfolk	36.828993	-79.344442	030101050203	Cherrystone Creek	Perennial	RPW	Permanent Access Road	-	32	-	0.0051	-	224	Yes	Proposed	Permanent Fill	Yes	4-785
S-H42	Pittsylvania	Norfolk	36.828958	-79.344315	030101050203	Cherrystone Creek	Perennial	RPW	Timber Mat Crossing	20	-	0.0032	-	139	-	Yes	Proposed	Bore[9]	Yes	4-785
S-H42 Totals										**20**	**32**	**0.0032**	**0.0051**	**139**	**224**					
S-G2	Pittsylvania	Norfolk	36.851931	-79.386051	030101050203	Cherrystone Creek	Perennial	RPW	Timber Mat Crossing	20	-	0.0032	-	139	-	Yes	Proposed	Bore[9]	Yes	4-779
S-EF26	**Pittsylvania**	**Norfolk**	**36.828207**	**-79.349814**	**030101050203**	**Cherrystone Creek**	**Perennial**	**RPW**	**Pipeline ROW**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**Proposed**	**Bore**	**-**	**4-784**
S-EF26	Pittsylvania	Norfolk	36.828207	-79.349814	030101050203	Cherrystone Creek	Perennial	RPW	Timber Mat Crossing	20	-	0.0092	-	401	-	-	Proposed	Timber Mat	Yes	4-784
S-G2/S-EF26 Totals										**40**	**-**	**0.0124**	**-**	**540**	**-**					

*Stream S-K10 impacts were identified as 0.0056 acre in Attachment 6-2 of Mountain Valley's October 11, 2021 response to USACE's request for information. However, the correct total is 0.0069 acre.

Notes:

1 - In decimal degrees
2 - RPW = Relatively Permanent Waters
- NRPW = Non-Relatively Permanent Waters
- TNW = Traditional Navigable Waters
3 - Linear feet are rounded to the nearest whole number.
- Acres are rounded to four decimal places.
- Square feet are rounded to the nearest whole number.
4 - Travel lane crossing structures include timber mats, flumes, and culverts.
5 - Proposed - Proposed to be constructed under current request.
- Installed, remains in place - Constructed under prior authorization, remains in place.
- Completed - Constructed under prior authorization and completed. See Tables 10 and 11 in the Individual Permit Application.
6 - Crossings were associated with compressor stations and interconnect stations.
7 - Pipeline installation impacts were, or will be, avoided during construction.
8 - Station impacts were avoided during construction.
9 - Impacts associated with bores result from crossing structures used to facilitate equipment crossings.