

## Appendix 1 – Watershed tracking

Plan Name	Watershed	Sub Watershed	Sub Watershed	BMP/Action	Unit	Goal	Implemented	TMLD LRs	% Implemented	Pollutant ID	Unit	LR Achieved
Deckers Creek	Deckers Creek	WV Deckers Main	WV M-8	Aggregated BMP Load Reductions								
Deckers Creek	Deckers Creek	WV Deckers Main	WV M-8	Passive Treatment		1.00						
Deckers Creek	Deckers Creek	WV Deep Hollow	WV M-8-A.7	Passive Treatment		1.00						
Deckers Creek	Deckers Creek	WV Dilan Creek	WV M-8-G	Passive Treatment		1.00						
Deckers Creek	Deckers Creek	WV Hartman Run	WV M-8-O.5A	Passive Treatment		2.00						
Deckers Creek	Deckers Creek	WV Kanes Creek	WV M-8-I	Aggregated BMP Load Reductions				9,350.00		Metals (Aluminum)		52,929.00
Deckers Creek	Deckers Creek	WV Kanes Creek	WV M-8-I	Aggregated BMP Load Reductions				45,471.00		Metals (Iron)		72,119.00
Deckers Creek	Deckers Creek	WV Kanes Creek	WV M-8-I	Aggregated BMP Load Reductions						Acidity	LBS/YR	135,800.00
Deckers Creek	Deckers Creek	WV Kanes Creek	WV M-8-I	Constructed Wetland Aerobic	INDIVIDUAL UNITS	3.00	3.00		100			
Deckers Creek	Deckers Creek	WV Kanes Creek	WV M-8-I	Land Reconstruction, Abandoned Mined Land	UNITS	1.00	1.00		100			
Deckers Creek	Deckers Creek	WV Kanes Creek	WV M-8-I	Limestone Doser	UNITS	2.00	2.00		100			
Deckers Creek	Deckers Creek	WV Kanes Creek	WV M-8-I	Limestone Open Channel	UNITS	4.00	4.00		100			
Deckers Creek	Deckers Creek	WV Kanes Creek	WV M-8-I	Sulfate Reducing Bioreactor	UNITS	1.00	1.00		100			
Deckers Creek	Deckers Creek	WV Laurel Run	WV M-8-H	Passive Treatment		1.00						
Deckers Creek	Deckers Creek	WV Slab Camp Run	WV M-8-F	Aggregated BMP Load Reductions				4,974.00		Metals (Manganese)	LBS/YR	
Deckers Creek	Deckers Creek	WV Slab Camp Run	WV M-8-F	Aggregated BMP Load Reductions				192,500.00		Metals (Iron)	LBS/YR	50,300.00
Deckers Creek	Deckers Creek	WV Slab Camp Run	WV M-8-F	Aggregated BMP Load Reductions						Acidity	LBS/YR	82,000.00
Deckers Creek	Deckers Creek	WV Slab Camp Run	WV M-8-F	Aggregated BMP Load Reductions						Metals (Aluminum)	LBS/YR	45,300.00
Deckers Creek	Deckers Creek	WV Slab Camp Run	WV M-8-F	Aggregated BMP Load Reductions						pH	TONS/YR	305.37
Deckers Creek	Deckers Creek	WV Slab Camp Run	WV M-8-F	Constructed Wetland Anaerobic	UNITS	2.00	2.00		100			
Deckers Creek	Deckers Creek	WV Slab Camp Run	WV M-8-F	Limestone Leach Bed/Pond	UNITS	2.00	2.00		100			
Deckers Creek	Deckers Creek	WV Slab Camp Run	WV M-8-F	Limestone Open Channel	UNITS	1.00	1.00		100			
Deckers Creek	Deckers Creek	WV Slab Camp Run	WV M-8-F	Open Channel	FT	2,700.00	2,700.00		100			
Deckers Creek	Deckers Creek	WV Slab Camp Run	WV M-8-F	Vertical Flow Treatment System	UNITS	4.00	4.00		100			

Plan Name	Watershed	Sub Watershed	BMP/Action	Unit	Goal	Implemented	TMDL LR	% Implemented	Impairment ID	Pollutant ID	Unit	LR Achieved
Lamberts Run	Lamberts Run	WVLR1901	Aggregated BMP Load Reductions				2,140.00			Metals (Aluminum)		
Lamberts Run	Lamberts Run	WVLR1901	Aggregated BMP Load Reductions				8,878.00			Metals (Iron)		
Lamberts Run	Lamberts Run	WVLR1901	Aggregated BMP Load Reductions							Acidity	LBS/YR	0.00
Lamberts Run	Lamberts Run	WVLR1901	Constructed Wetland Aerobic	UNITS	3.00	0.00		0				
Lamberts Run	Lamberts Run	WVLR1901	Limestone Open Channel	UNITS	1.00	0.00		0				
Lamberts Run	Lamberts Run	WVLR1901	Lined Waterway or Outlet	UNITS	1.00	0.00		0				
Lamberts Run	Lamberts Run	WVLR1902	Aggregated BMP Load Reductions				273.00			Metals (Aluminum)		
Lamberts Run	Lamberts Run	WVLR1902	Aggregated BMP Load Reductions				1,416.00			Metals (Iron)		
Lamberts Run	Lamberts Run	WVLR1902			0.00	0.00						
Lamberts Run	Lamberts Run	WVLR1902			0.10							
Lamberts Run	Lamberts Run	WVLR1903	Aggregated BMP Load Reductions				735.00			Metals (Manganese)		8,200.00
Lamberts Run	Lamberts Run	WVLR1903	Aggregated BMP Load Reductions				1,937.00			Metals (Aluminum)		2,800.00
Lamberts Run	Lamberts Run	WVLR1903	Aggregated BMP Load Reductions				7,315.00			Metals (Iron)		40,420.00
Lamberts Run	Lamberts Run	WVLR1903	Constructed Wetland Aerobic	UNITS		3.00						
Lamberts Run	Lamberts Run	WVLR1903	Constructed Wetland Anaerobic	UNITS	1.00	1.00		100				
Lamberts Run	Lamberts Run	WVLR1903	Limestone Leach Bed/Pond	UNITS	1.00	1.00		100				
Lamberts Run	Lamberts Run	WVLR1903	Limestone Open Channel	UNITS	1.00	4.00		400				
Lamberts Run	Lamberts Run	WVLR1904	Aggregated BMP Load Reductions				1,067.00			Metals (Manganese)		
Lamberts Run	Lamberts Run	WVLR1904	Aggregated BMP Load Reductions				3,872.00			Metals (Aluminum)		400.00
Lamberts Run	Lamberts Run	WVLR1904	Aggregated BMP Load Reductions				4,153.00			Metals (Iron)		19,200.00
Lamberts Run	Lamberts Run	WVLR1904	Anoxic Limestone Drain	UNITS	4.00	4.00		100				
Lamberts Run	Lamberts Run	WVLR1904	Constructed Wetland Aerobic	UNITS	3.00	1.00		33				
Lamberts Run	Lamberts Run	WVLR1905	Aggregated BMP Load Reductions				659.00			Metals (Aluminum)		34,800.00
Lamberts Run	Lamberts Run	WVLR1905	Aggregated BMP Load Reductions				2,485.00			Metals (Iron)		34,600.00
Lamberts Run	Lamberts Run	WVLR1905	Constructed Wetland Aerobic	UNITS		1.00						
Lamberts Run	Lamberts Run	WVLR1905	Limestone Leach Bed/Pond	UNITS		1.00						
Lamberts Run	Lamberts Run	WVLR1905	Steel Slag Treatment	UNITS		1.00						


Plan Name	Watershed	Sub Watershed	BMP/Action	Unit	Goal	Implemented	Year	% Implemented	Pollutant ID	Target LR	Unit	LR Achieved	% LR Achieved
Lost River	Lost River	WV Lost River	Aggregated BMP Load Reductions		1.00		2011		Nitrogen	29,954.00	LBS/YR	6,738.00	22
Lost River	Lost River	WV Lost River	Aggregated BMP Load Reductions						Pathogens (Coliform)	2.39E+17	CFU	5.29E+18	2212
Lost River	Lost River	WV Lost River	Aggregated BMP Load Reductions						Phosphorus	5,300.00	TONS/YR	44,112.40	832
Lost River	Lost River	WV Lost River	Aggregated BMP Load Reductions						Sedimentation-Siltation	2,700.00	LBS/YR	7,048.00	261
Lost River	Lost River	WV Lost River	Alternative Water Sources		80.00								
Lost River	Lost River	WV Lost River	Barnyard Runoff Management	UNITS	13.00	1.00		8					
Lost River	Lost River	WV Lost River	Feed Management	INDIVIDUAL UNITS		2.00							
Lost River	Lost River	WV Lost River	Fence	FT		6,000.00							
Lost River	Lost River	WV Lost River	Grazing Planned Systems	UNITS		5.00							
Lost River	Lost River	WV Lost River	Natural Channel Restoration		10,000.00								
Lost River	Lost River	WV Lost River	Riparian Buffers - Vegetative	AC		13.80							
Lost River	Lost River	WV Lost River	Riparian Forest Buffer	AC	110.00	3.80		3					
Lost River	Lost River	WV Lost River	Sediment Basin	AC	100.00		2011						
Lost River	Lost River	WV Lost River	Tree/Shrub Establishment	AC	50.00		2011						
Lost River	Lost River	WV Lost River	Watering Facility	UNITS	5.00	0.00		0					
Lost River	Lost River	WV Lost River	Wetland Restoration	AC	10.00		2011						

## Appendix 2 - Watershed based plans

Watershed plan	HUC12	HUC12_name	Type	Year	Pollutant	PM	BC-Region	Status
Mill Creek - South Branch	020700010401	South Mill Creek	Restoration	2007	Bacteria	WVCA	Potomac	NA
	020700010402	Johnson Run-Mill Creek	Restoration	2007	Bacteria	WVCA	Potomac	
Anderson Run	020700010602	Anderson Run	Restoration	2019	Bacteria/sediment	WVCA	Potomac	A
Lost River	020700030502	Upper Cove Run - Lost River	Restoration	2006	Bacteria	WVCA	Potomac	NA
	020700030504	Kimsey Run - Lost River	Restoration	2006	Bacteria	WVCA	Potomac	
	020700030501	Cullers Run-Lost River	Restoration	2017	SWP	WVRC	Potomac	A
	020700030503	Baker Run	Restoration	2017	SWP	WVRC	Potomac	
Sleepy Creek	020700040201	Upper Sleepy Creek	Restoration	2008	Bacteria	WVCA	Potomac	A
	020700040202	Middle Fork Sleepy Creek	Restoration	2008	Bacteria	WVCA	Potomac	
	020700040203	Middle Sleepy Creek	Restoration	2008	Bacteria	WVCA	Potomac	
	020700040204	Meadow Branch	Restoration	2008	Bacteria	WVCA	Potomac	
	020700040205	Lower Sleepy Creek	Restoration	2008	Bacteria	WVCA	Potomac	
Back Creek	020700040404	Brush Creek - Back Creek	Protection	2014	None	WVCA	Potomac	A
	020700040405	Babbs Run	Protection	2014	None	WVCA	Potomac	
	020700040406	Warm Springs Hollow - Back Creek	Protection	2014	None	WVCA	Potomac	
	020700040407	Elk Branch - Back Creek	Protection	2014	None	WVCA	Potomac	
	020700040408	Tilhance Creek	Protection	2014	None	WVCA	Potomac	
	020700040409	Outlet Back Creek	Protection	2014	None	WVCA	Potomac	
Mill Creek - Opequon	020700040905	Mill Creek	Restoration	2008	Bacteria	CVI	Potomac	A
Tuscarora Creek	020700040907	Tuscarora Creek	Restoration	2013	Bacteria	CVI	Potomac	A
Elk Run	020700041107	Elk Run	Restoration	2013/17	Bacteria/SWP	WVCA	Potomac	A
South Fork Potts Creek	020802010301	Sweet Springs Creek - Cove Creek	Restoration	2012	Bacteria	WVCA	Southern	NA
	020802010401	South Fork Potts Creek	Restoration	2012	Bacteria	WVCA	Southern	
Upper Buckhannon River	050200010301	Left Fork Buckhannon River	Restoration	2006	Metals/pH	WVU/BRWA	Northern	A
	050200010302	Right Fork Buckhannon River	Restoration	2006	Metals/pH	WVU/BRWA	Northern	
	050200010303	French Creek	Restoration	2006	Metals/pH	WVU/BRWA	Northern	
	050200010304	Tenmile Creek - Buckhannon River	Restoration	2006	Metals/pH	WVU/BRWA	Northern	
Roaring Creek - Tygart Valley	050200010406	Roaring Creek	Restoration	2012	Metals/pH	WVU	Northern	A
Sandy Creek - Tygart Valley	050200010501	Little Sandy Creek	Restoration	2012	Metals/pH	STTWA	Northern	NA
	050200010502	Left Fork-Sandy Creek	Restoration	2012	Metals/pH	STTWA	Northern	
Three Forks Creek	050200010601	Headwaters Three Fork Creek	Restoration	2005	Metals/pH	STTWA	Northern	NA
	050200010602	Outlet Three Fork Creek	Restoration	2005	Metals/pH	STTWA	Northern	
Little Tenmile Creek	050200020502	Headwaters Tenmile Creek	Restoration	2015	Bacteria/Metals	WVU	Northern	A
	050200020503	Little Tenmile Creek	Restoration	2015	Bacteria/Metals	WVU	Northern	
	050200020504	Outlet Tenmile Creek	Restoration	2015	Bacteria/Metals	WVU	Northern	
Lamberts Run	050200020602	Limestone Run - West Fork River	Restoration	2004	Metals/pH	WVU/GWF	Northern	A

Watershed plan	HUC12	HUC12_name	Type	Year	Pollutant	PM	BC-Region	Status
Deckers Creek	050200030201	Headwaters Deckers Creek	Restoration	2015	Metals/pH	FODC	Northern	A
	050200030202	Outlet Deckers Creek	Restoration	2015	Metals/pH	FODC	Northern	
West Run	050200030309	West Run - Monongahela River	Restoration	2008	Metals/pH	WVU	Northern	NA
Beaver Creek	050200040202	Middle Blackwater River	Restoration	2019	Metals/pH	FOB	Northern	A
North Fork Blackwater	050200040203	Lower Blackwater River	Restoration	2016	Metals/pH	FOB	Northern	A
Big Sandy Creek	050200040604	Beaver Creek - Little Sandy Creek	Restoration	2019	Metals/pH	FOC	Northern	A
	050200040604	Middle Big Sandy Creek	Restoration	2019	Metals/pH	FOC	Northern	
	050200040605	Lower Big Sandy Creek	Restoration	2019	Metals/pH	FOC	Northern	
Pringle Run	050200040702	Pringle Run - Cheat River	Restoration	-	Metals/pH	FOC	Northern	
Muddy Creek	050200040703	Muddy Creek	Restoration	-	Metals/pH	FOC	Northern	
North Fork Greens Run	050200040705	Greens Run - Cheat River	Restoration	-	Metals/pH	FOC	Northern	
Indian Creek	050500020701	Burnside Branch	Restoration	2017	Bacteria	WVCA	Southern	A
	050500020702	Rock Camp Creek	Restoration	2017	Bacteria	WVCA	Southern	
	050500020703	Upper Indian Creek	Restoration	2017	Bacteria	WVCA	Southern	
	050500020704	Middle Indian Creek	Restoration	2017	Bacteria	WVCA	Southern	
	050500020705	Lower Indian Creek	Restoration	2017	Bacteria	WVCA	Southern	
Pipestem Creek	050500020909	Little Bluestone River	Restoration	2018	Bacteria	WVCA	Southern	A
Knapp Creek	050500030201	Douthat Creek	Restoration	2013	Bacteria	WVCA	Southern	A
	050500030202	Headwaters Knapp Creek	Restoration	2013	Bacteria	WVCA	Southern	
	050500030203	Outlet Knapp Creek	Restoration	2013	Bacteria	WVCA	Southern	
Beaver Creek	050500030406	Beaver Creek	Restoration	2017	Bacteria	WVCA	Southern	A
Spring Creek	050500030408	Spring Creek	Restoration	2015	Bacteria	WVCA	Southern	A
Anthony Creek	050500030502	North Fork Anthony Creek	Restoration	2019	Bacteria	WVCA	Southern	A
	050500030503	Upper Anthony Creek	Restoration	2019	Bacteria	WVCA	Southern	
	050500030504	Middle Anthony Creek	Restoration	2019	Bacteria	WVCA	Southern	
	050500030505	Lower Anthony Creek	Restoration	2019	Bacteria	WVCA	Southern	
Second Creek	050500030701	Upper Second Creek	Restoration	2008	Bacteria	WVCA	Southern	A
	050500030703	Lower Second Creek	Restoration	2008	Bacteria	WVCA	Southern	
Muddy Creek - Greenbrier	050500030802	Kitchen Creek	Restoration	2009	Bacteria	WVCA	Southern	NA
	050500030803	Mill Creek	Restoration	2009	Bacteria	WVCA	Southern	
	050500030804	Muddy Creek	Restoration	2009	Bacteria	WVCA	Southern	
Milligan Creek/Davis Springs	050500030903	Milligan Creek - Greenbrier River	Restoration	2014	Bacteria	WVCA	Southern	A
Wolf Creek	050500030904	Wolf Creek	Restoration	2009	Metals/pH	PAN	Southern	A
	050500040304	Wolf Creek-New River	Restoration	2009	Metals/pH	PAN	Southern	
Piney Creek	050500040101	Beaver Creek	Restoration	2012	Bacteria/Metals	PCWA	Southern	A
	050500040102	Headwaters Piney Creek	Restoration	2012	Bacteria/Metals	PCWA	Southern	
	050500040103	Outlet Piney Creek	Restoration	2012	Bacteria/Metals	PCWA	Southern	

Watershed plan	HUC12	HUC12_name	Type	Year	Pollutant	PM	BC-Region	Status
Upper Meadow River	050500050601	Little Clear Creek	Restoration	2014	Bacteria/Metals	WVCA	Southern	A
	050500050602	Otter Creek-Meadow River	Restoration	2014	Bacteria/Metals	WVCA	Southern	
	050500050603	Big Clear Creek	Restoration	2014	Bacteria/Metals	WVCA	Southern	
	050500050604	Sewell Creek	Restoration	2014	Bacteria/Metals	WVCA	Southern	
	050500050605	Mill Creek - Meadow River	Restoration	2014	Bacteria/Metals	WVCA	Southern	
Cane Fork	050500060201	Headwaters Cabin Creek	Restoration	2017	Metals/pH	WVU	Western	A
Morris Creek	050500060306	Hughes Creek - Kanawha River	Restoration	2013	Metals/pH	MCWA	Western	A
Elk Headwaters	050500070101	Old Field Fork	Protection	2012	None		Western	NA
	050500070102	Dry Fork - Elk River	Protection	2012	None		Western	
	050500070103	Abb Run - Elk River	Protection	2012	None		Western	
	050500070104	Sugar Creek	Protection	2012	None		Western	
	050500070105	Back Fork Elk River	Protection	2012	None		Western	
050500070106	Bergoo Creek - Elk River	Protection	2012	None		Western		
Cherry Fork	050500080401	Headwaters Eighteenmile Creek	Restoration	2018	Bacteria	WVCA	Western	A
Lower Coal River	050500090608	Browns Creek - Coal River	Restoration	2014	Bacteria	CRG	Western	A
Upper Guyandotte River	050701010101	Tommy Creek	Restoration	2006	Bacteria/Metals		Southern	NA
	050701010102	Slab Fork	Restoration	2006	Bacteria/Metals		Southern	
	050701010103	Devils Fork - Guyandotte River	Restoration	2006	Bacteria/Metals		Southern	
	050701010301	Barkers Creek	Restoration	2006	Bacteria/Metals		Southern	
	050701010302	Pinnacle Creek	Restoration	2006	Bacteria/Metals		Southern	
050701010303	Cabin Creek - Guyandotte River	Restoration	2006	Bacteria/Metals		Southern		
North Fork Elkhorn	050702010202	Headwaters Elkhorn Creek	Restoration	2007	Bacteria/Metals		Southern	NA

**Status**  
 UD Under development   
 A Active  
 NA Not active  
 R Revision

Appendix 3 – AML and OSR project information

AML

PAD#	PAD_NAME	HUC12	HU12_NAME	Status
WV005546	KEMPTON REFUSE REHAB	020700020201	Shields Run-North Branch Potomac River	P
WV006598	PEELTREE RD PORTALS	050200010101	Ralston Run-Tygart Valley River	P
WV006767	BLACK LICK RUN PORTALS	050200010303	French Creek	P
WV006553	TALLMANVILLE PORTALS	050200010304	Tenmile Creek-Buckhannon River	C
WV003182	ED GOWER HIGHWALL #2	050200010306	Fink Run-Buckhannon River	O
WV006924	CAMDEN WILSON LANDSLIDE	050200010404	Leading Creek	P
WV003935	NORTON HIGHWALL 1	050200010406	Roaring Creek	C
WV002190	DONNIE THORN HIGHWALL	050200010601	Headwaters Three Fork Creek	C
WV001744	HOPEWELL CHURCH REFUSE & DRAINAGE	050200010601	Headwaters Three Fork Creek	C
WV005758	SQUIRES CREEK (MOATS) REFUSE & PORTALS	050200010601	Headwaters Three Fork Creek	C
WV002190	DONNIE THORN	050200010601	Headwaters Three Fork Creek	C
WV006859	FORDS RUN DRAINAGE	050200010702	Little Laurel Run-Tygart Valley	P
WV006283	MOATSVILLE (WRIGHT) PORTALS AND DRAINAGE	050200010705	Hackers Creek-Tygart Valley River	C
WV005204	KANO MINE DRAINAGE	050200010705	Hackers Creek-Tygart Valley River	P
WV001725	VALLEY FALLS PORTALS	050200010708	Lost Run-Tygart Valley River	C
WV006829	CORRIDORE H (STONECOAL CREEK) PORTALS	050200020104	Stonecoal Creek	C
WV005057	PEPPER PORTALS AND DRAINAGE	050200020203	Brushy Fork	C
WV006891	GREEN VALLEY LANDSLIDE	050200020203	Brushy Fork	P
WV005057	PEPPER PORTALS	050200020203	Brushy Fork	C
WV000415	GLENN AVE MINE DRAINAGE	050200020204	Outlet Elk Creek	C
WV006622	BRIDGEPORT HILL PORTALS	050200020204	Outlet Elk Creek	P
WV005868	LONGVIEW MINE PORTALS	050200020204	Outlet Elk Creek	P
WV006109	CAMDEN (HARTLEY) DANGEROUS SLIDE	050200020301	Freemans Creek	C
WV006600	ISAACS CREEK DS	050200020305	Issacs Creek-West Fork River	P
WV006676	MOUNT CLARE CSL	050200020306	Sycamore Creek-West Fork	P
WV006603	CLARKSBURG HILL LANDSLIDE	050200020306	Sycamore Creek-West Fork	P
WV002746	GRAFTON #4	050200020401	Headwaters Simpson Creek	C
WV006506	LODGEVILLE (POE) DS	050200020402	Outlet Simpson Creek	C
WV001884	LARRY FREDRICK HIGHWALL & REFUSE	050200020504	Outlet Tenmile Creek	C
WV006828	SARDIS LANDSLIDE	050200020504	Outlet Tenmile Creek	P
WV001884	LARRY FREDERICK	050200020504	Outlet Tenmile Creek	C
WV006719	PINE BLUFF REFUSE	050200020601	Bingamon Creek	P
WV000336	FISHER PORTALS	050200020602	Limestone Run-West Fork River	C
WV000415	GLEN AVENUE MINE DRAINAGE	050200020602	Limestone Run-West Fork River	C

PAD#	PAD_NAME	HUC12	HU12_NAME	Status
WV004801	GORE CLOGGED STREAM	050200020602	Limestone Run-West Fork River	C
WV001675	SHINNS RUN PORTALS	050200020602	Limestone Run-West Fork River	C
WV005916	WEST FORK RIVER OPEN PORTALS	050200020602	Limestone Run-West Fork River	C
WV006273	WILLARD (SNYDER) PORTAL AND AMD	050200020602	Limestone Run-West Fork River	C
WV005289	MCALPIN PORTALS & DRAINAGE	050200020602	Limestone Run-West Fork River	P
WV006508	PERRY HOLLOW POSEY PORTALS	050200020602	Limestone Run-West Fork River	P
WV005577	PHOENIX HOLLOW VO	050200020602	Limestone Run-West Fork River	C
WV006586	BOOTH CREEK (BROWNING FARMS) MINE	050200020603	Booths Creek	C
WV006523	WEST FORK RAIL TRAIL PORTALS	050200020604	Coons Run-West Fork River	C
WV006486	FAIRMONT (JACKSON ADDITION) SUBSIDENCE	050200030103	Outlet Buffalo Creek	C
WV001206	LAUREL RUN #3	050200030103	Outlet Buffalo Creek	C
WV001141	BEULAH CHAPEL PORTAL	050200030202	Outlet Deckers Creek	C
WV006268	TYRONE (STIMMELL) PORTALS	050200030202	Outlet Deckers Creek	C
WV006304	RICHARD (SHAVER) DRAINAGE	050200030202	Outlet Deckers Creek	P
WV006900	RICHARD MINE DRAINAGE	050200030202	Outlet Deckers Creek	P
WV006388	FAIRMONT (DAC) S, CS AND P	050200030305	Little Creek-Monongahela River	C
WV004150	MAURIN MINE FIRE AND PORTALS	050200030305	Little Creek-Monongahela River	C
WV001200	PARKER RUN #1	050200030305	Little Creek-Monongahela River	C
WV006608	FAIRMONT (BENNETT) PORTALS	050200030305	Little Creek-Monongahela River	C
WV004150	MAURIN MINE FIRE	050200030305	Little Creek-Monongahela River	C
WV006729	FAIRMONT GATEWAY PORTALS	050200030305	Little Creek-Monongahela River	P
WV006718	WHITE HALL MINE FIRE PHASE 1	050200030306	Booth Creek	C
WV006718	WHITE HALL MINE FIRE PHASE 2	050200030306	Booth Creek	C
WV001140	OWL CREEK #2 HIGHWALL	050200030306	Booths Creek	P
WV001535	BISHOP PORTALS	050200030307	Cobun Creek-Monongahela River	C
WV002448	HILDERBRAND HIGHWALL	050200030307	Cobun Creek-Monongahela River	C
WV002449	WAITMAN-BARBE HIGHWALL #1	050200030307	Cobun Creek-Monongahela River	C
WV001167	LAUREL POINT STRIP	050200030308	Scotts Run-Monongahela River	C
WV006450	MORGANTOWN (ANDERSON) PORTALS	050200030308	Scotts Run-Monongahela River	C
WV005727	OSAGE MINE COMPLEX SITE 5A	050200030308	Scotts Run-Monongahela River	C
WV001190	CHISLER KNOB PORTALS	050200030308	Scotts Run-Monongahela River	P
WV006513	DAVIDSON HIGHWALL DRAINAGE	050200030309	West Run-Monongahela River	C
WV006561	MOUNT UNION (STUMP)	050200030309	West Run-Monongahela River	C
WV003205	RIDENOUR COMPLEX	050200030309	West Run-Monongahela River	C
WV002128	PENDLETON CREEK STRIP	050200040202	Middle Blackwater River	C
WV002127	CHAFFEY RUN STRIP	050200040202	Middle Blackwater River	P
WV002128	PENDLETON CREEK PHASE 2	050200040202	Middle Blackwater River	P



PAD#	PAD_NAME	HUC12	HU12_NAME	Status
WV001622	ALBERT HIGHWALL #1 Phase II	050200040203	Lower Blackwater River	C
WV000002	DAVIS COAL & COKE	050200040203	Lower Blackwater River	C
WV002279	TUB RUN PHASE 2	050200040203	Lower Blackwater River	C
WV006488	SOVERN RUN REFUSE AND PORTALS	050200040605	Lower Big Sandy Creek	C
WV001820	LICK RUN #4	050200040605	Lower Big Sandy Creek	C
WV001820	LICK RUN PORTAL #4	050200040702	Pringle Run-Cheat River	C
WV001808	MTN VIEW PORTALS	050200040702	Pringle Run-Cheat River	P
WV001062	MORGAN RUN #3	050200040702	Pringle Run-Cheat River	P
WV003007	MORGAN HIGHWALL #46	050200040704	Roaring Creek-Cheat River	C
WV002507	FLATBUSH HIGHWALL	050200040704	Roaring Creek-Cheat River	P
WV005830	ROARING CREEK RESTORATIOPN PHASE II	050200040704	Roaring Creek-Cheat River	P
WV000084	CANYON REFUSE AND DUMP	050200040707	Cheat Lake-Cheat River	C
WV003940	LAKE LYNN COMPLEX	050200040707	Cheat Lake-Cheat River	C
WV003791	FAIRFIELD HIGHWALL	050200040707	Cheat Lake-Cheat River	P
WV002977	SKIDMORE LANDSLIDE PHASE 2	050200040707	Cheat Lake-Cheat River	P
WV005645	COLLIERS SPORTSMAN CLUB HIGHWALL	050301010902	South Fork Cross Creek	C
WV003960	EBENEZER RUN HIGHWALL #9	050301010902	South Fork Cross Creek	C
WV006509	JD MILLER SITE	050301060603	Little Wheeling Creek	P
WV000288	WEST COLUMBIA ""B""	050302020805	Broad Run-Ohio River	C
WV000871	MARSH RUN PORTALS	050302030401	Headwaters Cedar Creek	c
WV000627	FLIPPING HOLLOW COMPLEX	050500020903	Laurel Fork-Bluestone River	C
WV000993	ABNEY REFUSE PILES	050500040102	Headwaters Piney Creek	C
WV005739	CRAB ORCHARD (ACKLIN) PORTALS	050500040102	Headwaters Piney Creek	C
WV003918	MACARTHUR SUBSIDENCE	050500040102	Headwaters Piney Creek	C
WV005637	LITTLE WHITESTICK CREEK REFUSE PILE	050500040103	Outlet Piney Creek	P
	SUMMERLEE WATER TREATMENT PHASE 1	050500040304	Wolf Creek-New River	P
WV002202	BURDETTE COMPLEX	050500050606	Meadow Creek-Meadow River	C
WV000064	CAMBRIA (NICHOLAS CO.) PORTALS	050500050702	Outlet Twentymile Creek	C
WV006236	SUGARCAMP RUN BURNING REFUSE	050500050806	Headwaters Peters Creek	C
WV001981	BIG CREEK COMPLEX	050500050809	Rich Creek-Gauley River	C
WV002272	RED WARRIOR GOB AND SLIDE	050500060201	Headwaters Cabin Creek	C
WV005846	ROBSON (CALES) DRAINAGE	050500060301	Loop Creek	P
WV006037	RT. 60 DRAINAGE	050500060304	Boomer Branch-Kanawha River	C
WV005578	MONTGOMERY (WVUIT) LANDSLIDE PHASE II	050500060306	Hughes Creek-Kanawha River	C
WV006020	WITCHER CREEK PORTALS AND REFUSE	050500060401	Witcher Creek	C
WV002052	BICKMORE REFUSE #2 - SITE 1	050500070901	Leatherwood Creek-Elk River	C
WV006091	BICKMORE AREA COMPLEX	050500070901	Leatherwood Creek-Elk River	P

PAD#	PAD_NAME	HUC12	HU12_NAME	Status
WV006524	INDORE (OSBORNE) PORTALS	050500070902	Sycamore Creek-Elk River	C
WV006492	BROAD RUN PORTALS	050500070906	Morris Creek-Elk River	O
WV006802	SCOTCH HILL PHASE 1	050500070907	Little Sandy Creek	C
WV006802	SCOTCH HILL PHASE 2	050500070907	Little Sandy Creek	O
WV005254	WOLFPEN (CARPENTER) PORTALS	050500080201	Tupper Creek	C
WV002151	JEEP TRAIL PORTALS	050500080204	Heizer Creek	C
WV002287	PIGTAIL BRANCH DRAINAGE	050500090303	Outlet Spruce Fork	C
WV000074	ALKOL PORTALS	050500090501	Big Horse Creek	C
WV005721	MORRISVALE (HOLESTIN) PORTALS	050500090501	Big Horse Creek	C
WV006007	CAMP CREEK (KIRK) PORTALS	050500090502	Upper Little Coal River	C
WV006395	BLOOMINGROSE (MILLER) DRAINAGE	050500090604	Drawdy Creek-Big Coal River	C
WV006349	RIDGEVIEW-DUNLAP PORTALS	050500090604	Drawdy Creek-Big Coal River	C
WV001258	MEADOW FORK OPEN PORTALS	050500090605	Brier Creek	P
WV000932	PIERPONT REFUSE PILE	050701010102	Slab Fork	C
WV006308	AMIGO PORTALS	050701010103	Devils Fork-Guyandotte River	C
WV006584	GLEN ROGERS MINE SHAFTS	050701010201	Laurel Fork	C
WV001897	CRANY MINE DUMP	050701010202	Headwaters Clear Fork	C
WV000939	OLDHOUSE BRANCH REFUSE PILE	050701010203	Outlet Clear Fork	C
WV000647	MILAM RIDGE REFUSE PILE	050701010301	Barkers Creek	C
WV001903	MONTECARLO COMPLEX	050701010301	Barkers Creek	O
WV006286	ITMANN (BURDISS) DRAINAGE	050701010303	Cabin Creek-Guyandotte River	C
WV005088	CONLEY BRANCH (WHITT) LANDSLIDE	050701010402	Island Creek	C
WV006482	COW CREEK PORTALS	050701010402	Island Creek	C
WV006216	SWITZER (ELLIS) DRAINAGE	050701010402	Island Creek	C
WV001111	MUDLICK PORTALS	050701010501	Little Huff Creek	C
WV006165	MALLORY (GIBSON) PORTALS	050701010504	Huff Creek	C
WV005350	BRAEHOLM (EVANS) PORTALS & DRAINAGE	050701010505	Buffalo Creek	C
WV000122	ROBINETTE BRANCH	050701010505	Buffalo Creek	C
WV006242	STOWE REFUSE PILE	050701010505	Buffalo Creek	C
WV006532	LYBURN (MAYNARD) DRAINAGE	050701010507	Rum Creek-Guyandotte River	C
WV005184	STOLLINGS (WHITE) PORTALS	050701010508	Dingess Run-Guyandotte River	C
WV006512	NORTH FORK (SPRY) DRAINAGE	050701020101	Big Creek	C
WV005207	VICKERS BRANCH (BUTCHER) DRAINAGE	050701020101	Big Creek	C
WV005914	WHEATLEY BRANCH (LUTHY) PORTALS	050701020101	Big Creek	C
WV000267	COAL BRANCH	050701020102	Crawley Creek-Guyandotte River	C
WV000600	CUCUMBER AIRSHAFT	050702010102	Jacobs Fork	C
WV006522	CITY OF WAR MINE PORTALS	050702010104	Middle Dry Fork	C

PAD#	PAD_NAME	HUC12	HU12_NAME	Status
	CITY OF WAR WATER TREATMENT	050702010104	Middle Dry Fork	P
WV004927	PAGETON (LAMBERT) PORTALS	050702010201	South Fork Tug Fork-Tug Fork	O
WV000660	INDIAN CREEK REFUSE PILE	050702010204	Sandlick Creek-Tug Fork	C
WV000728	LITTLE DAYCAMP BRANCH REFUSE PILE	050702010205	Spice Creek-Tug Fork	C
WV000841	GLEN ALUM COMPLEX	050702010303	Long Branch-Tug Fork	C
WV004080	LANDO (EDWARDS) DRAINAGE	050702010401	Headwaters Pigeon Creek	C
WV005631	LEFT FORK OF ELK CREEK AIR SHAFT	050702010401	Headwaters Pigeon Creek	C
WV006585	CHATTAROY (KIRK) PORTALS	050702010506	Miller Creek-Tug Fork	C
WV005452	OLDFIELD BRANCH (HALL) DRAINAGE	050702010506	Miller Creek-Tug Fork	C
WV000183	EAST LYNN II	050901020204	Lower East Fork Twelvepole Creek	C
WV006575	EAST LYNN (CLARK) PORTALS	050901020204	Lower East Fork Twelvepole Creek	P

Status: Complete - **C**, On-going - **O**, Planning - **P**, Terminated - **T**

Note: In some cases, rehab and/or planning for rehab is occurring.

### OSR (Water)

Company	Permit	Ac	County	HUC12	HU12_Name	Status
BUFFALO COAL COMPANY, INC.	S-122-80	306	Tucker	020700020201	Shields Run-North Branch Potomac River	C
BUFFALO COAL COMPANY, INC.	S-2003-03	266	Grant	020700020202	Mount Storm Lake-Stony River	C
BUFFALO COAL COMPANY, INC.	S-2001-86	595	Grant	020700020202	Mount Storm Lake-Stony River	C
BUFFALO COAL COMPANY, INC.	S-53-80	375	Grant	020700020202	Mount Storm Lake-Stony River	C
BUFFALO COAL COMPANY, INC.	S-2003-88	356	Tucker	020700020202	Mount Storm Lake-Stony River	C
BUFFALO COAL COMPANY, INC.	S-52-80	191	Grant	020700020202	Mount Storm Lake-Stony River	C
GLADE RUN MINING CO.	Mar-72	50	Grant	020700020204	Abram Creek	C
THE MASTELLER COAL COMPANY	S-10-85	142	Mineral	020700020207	Piney Swamp Run-North Branch Potomac River	C
THE MASTELLER COAL COMPANY	S-125-82	49	Mineral	020700020207	Piney Swamp Run-North Branch Potomac River	C
CARSON ONE MINING, LLC	O-4-84	83	Upshur	050200010303	French Creek	C
ENERGY MARKETING COMPANY INC	O-44-83	71	Barbour	050200010307	Pecks Run-Buckhannon River	C
CHEYENNE SALES COMPANY, INC.	O-11-83	22	Upshur	050200010307	Pecks Run-Buckhannon River	C
CHEYENNE SALES CO., INC.	S-2009-96	48	Upshur	050200010307	Pecks Run-Buckhannon River	C
WERNER MINING CO., INC.	S-2003-86	43	Barbour	050200010408	Laurel Run-Tygart Valley River	C
KEISTER COAL COMPANY, INC.	184-77	27	Barbour	050200010408	Laurel Run-Tygart Valley River	C
NATIONAL CONSTRUCTION COMPANY, INC.	S-2004-86	54	Barbour	050200010408	Laurel Run-Tygart Valley River	C
MAURICE JENNINGS	53-78	65	Preston	050200010501	Little Sandy Creek	O
VMS, LTD.	S-1045-87	162	Monongalia	050200010601	Headwaters Three Fork Creek	C
INTER-STATE LUMBER COMPANY, INC.	S-96-82	25	Preston	050200010601	Headwaters Three Fork Creek	C
MAURICE JENNINGS	S-61-83	52	Preston	050200010602	Outlet Three Fork Creek	P

Company	Permit	Ac	County	HUC12	HU12_Name	Status
INTER-STATE LUMBER COMPANY, INC.	S-52-83	48	Preston	050200010602	Outlet Three Fork Creek	C
INTER-STATE LUMBER COMPANY, INC.	S-39-82	31	Preston	050200010602	Outlet Three Fork Creek	P
J. C. B. MINING, INC.	U-2006-88	10	Lewis	050200020105	Polk Creek-West Fork River	C
ENERGY MARKETING CO. INC.	U-72-83	21	Barbour	050200020201	Gnatty Creek	C
ROBLEE COAL COMPANY	U-2001-00	9	Upshur	050200020303	Hackers Creek	C
ROBLEE COAL COMPANY	O-1009-93	51	Upshur	050200020303	Hackers Creek	C
FRUSH ENTERPRISES, INC.	S-1008-89	76	Harrison	050200020401	Headwaters Simpson Creek	C
GLORY COAL CO., INC.	UO-744	3	Harrison	050200020503	Little Tenmile Creek	C
DECONDOR COAL CO.	U-147-82	7	Preston	050200030201	Headwaters Deckers Creek	C
VALLEY MINING CO., INC.	S-17-82	62	Monongalia	050200030202	Outlet Deckers Creek	C
J.A.L. COAL CO., INC.	S-23-82	40	Monongalia	050200030303	Indian Creek	C
Z & F DEVELOPMENT CO.	S-21-84	28	Monongalia	050200030304	Whiteday Creek	C
LAROSA FUEL CO., INC.	S-1051-86	197	Marion	050200030305	Little Creek-Monongahela River	C
S. KELLY INDUSTRIES	51-78	40	Monongalia	050200030306	Booths Creek	C
MOHIGAN MINING CO.	U-109-83	18	Monongalia	050200030307	Cobun Creek-Monongahela River	C
MORGANTOWN ENERGY EXPORT COMPANY	U-8-83	12	Monongalia	050200030308	Scotts Run-Monongahela River	C
A S & K, INC.	S-1011-89	24	Monongalia	050200030308	Scotts Run-Monongahela River	C
STEWARTOWN COAL CORP.	67-78	80	Monongalia	050200030309	West Run-Monongahela River	C
SOUTHERN EAGLE MINING CORPORATION	U-32-84	11	Randolph	050200040303	Taylor Run-Shavers Fork	C
BUFFALO COAL COMPANY, INC.	S-2011-92	59	Preston	050200040501	Horseshoe Run	C
HIDDEN VALLEY COAL CO.	S-60-84	47	Preston	050200040603	Beaver Creek-Little Sandy Creek	C
ZINN COAL CO.	60-79	75	Preston	050200040603	Beaver Creek-Little Sandy Creek	C
JONES COAL INC	S-9-83	46	Preston	050200040604	Middle Big Sandy Creek	C
JONES COAL INC	S-1030-86	23	Preston	050200040604	Middle Big Sandy Creek	C
ROCKVILLE MINING CO.	S-1035-86	120	Preston	050200040605	Lower Big Sandy Creek	C
BJORKMAN MINING CO.	S-37-81	35	Preston	050200040702	Pringle Run-Cheat River	C
J. E. B., INC.	S-1063-86	56	Preston	050200040702	Pringle Run-Cheat River	C
VIKING COAL COMPANY	UO-519	11	Preston	050200040703	Muddy Creek	T
CRANE COAL CO., INC.	S-27-83	8	Preston	050200040703	Muddy Creek	T
T & T FUELS, INC.	U-125-83	14	Preston	050200040703	Muddy Creek	T
ROCKVILLE MINING CO.	S-65-82	475	Preston	050200040703	Muddy Creek	T
ROCKVILLE MINING CO.	65-78	158	Preston	050200040703	Muddy Creek	T
ROCKVILLE MINING CO.	S-91-85	125	Preston	050200040703	Muddy Creek	T
LOBO CAPITOL, INC.	UO-204	6	Preston	050200040703	Muddy Creek	T
INTER-STATE LUMBER COMPANY, INC.	176-77	110	Preston	050200040704	Roaring Creek-Cheat River	C
F & M COAL CO.	46-79	130	Preston	050200040704	Roaring Creek-Cheat River	C

Company	Permit	Ac	County	HUC12	HU12 Name	Status
BOLINGREEN MINING COMPANY	S-1024-88	21	Preston	050200040705	Greens Run-Cheat River	C
DAUGHERTY COAL COMPANY, INC.	65-77	92	Preston	050200040705	Greens Run-Cheat River	C
F & M COAL CO.	S-1026-87	167	Preston	050200040705	Greens Run-Cheat River	C
ROCKVILLE MINING CO.	237-76	50	Preston	050200040705	Greens Run-Cheat River	C
INTER-STATE LUMBER COMPANY, INC.	S-112-80	100	Preston	050200040706	Bull Run-Cheat River	C
WETER CO.	S-71-79	56	Preston	050200040706	Bull Run-Cheat River	C
SHARON COAL CO.	S-1028-87	160	Preston	050200040706	Bull Run-Cheat River	C
LAKEVIEW COAL COMPANY	S-55-84	27	Monongalia	050200040707	Cheat Lake-Cheat River	C
VALLEY MINING CO., INC.	S-64-83	160	Monongalia	050200040707	Cheat Lake-Cheat River	C
FARKAS COAL CO.	34-81	10	Monongalia	050200040707	Cheat Lake-Cheat River	C
EDWARD E. THOMPSON	S-1041-89	26	Monongalia	050200040707	Cheat Lake-Cheat River	C
ALAN BLOSSER	S-1010-87	12	Monongalia	050200040707	Cheat Lake-Cheat River	C
BALDWIN MINING COMPANY	D-75-82	10	Gilmer	050302030308	Stewart Creek-Little Kanawha River	C
SMITH & STOVER	EM-29	25	Raleigh	050500040102	Headwaters Piney Creek	P
E. J. & L. CO., INC.	S-3041-87	50	Raleigh	050500040103	Outlet Piney Creek	C
STAR INDUSTRIES, INC.	R-3-81	38	Raleigh	050500040103	Outlet Piney Creek	C
HARVEY ENERGY CORP.	S-35-81	22	Fayette	050500040204	Meadow Creek	C
RALEIGH COMMERCIAL DEVELOPMENT	149-79	70	Fayette	050500040204	Meadow Creek	C
ROYAL COAL CO.	P-688	57	Fayette	050500040303	Arbuckle Creek-New River	P
ROYAL COAL CO.	R-676	30	Fayette	050500040303	Arbuckle Creek-New River	P
HARVEY ENERGY CORP.	S-11-82	41	Fayette	050500040303	Arbuckle Creek-New River	P
VICKIE ENERGY, INC.	U-53-85	14	Pocahontas	050500050402	South Fork Cherry River	C
FALCON LAND COMPANY, INC.	P-656	132	Nicholas	050500050403	Laurel Creek	C/O
ROYAL SCOT MINERALS, INC.	S-90-82	154	Greenbrier	050500050601	Little Clear Creek	C
ROYAL SCOT MINERALS, INC.	R-3078-86	30	Greenbrier	050500050601	Little Clear Creek	C
ROYAL SCOT MINERALS, INC.	31-72	400	Greenbrier	050500050601	Little Clear Creek	P
ROYAL SCOT MINERALS, INC.	S-65-76	160	Greenbrier	050500050603	Big Clear Creek	P
ROYAL SCOT MINERALS, INC.	56-81	300	Greenbrier	050500050603	Big Clear Creek	P
ROYAL SCOT MINERALS, INC.	S-99-83	11	Greenbrier	050500050603	Big Clear Creek	C
CLASSIC RES., INC.	S-55-81	20	Fayette	050500050604	Sewell Creek	P
ROYAL SCOT MINERALS, INC.	U-3046-88	26	Greenbrier	050500050605	Mill Creek-Meadow River	P
LEVEL LAND MINING CORPORATION	S-3031-90	24	Fayette	050500050609	Glade Creek-Meadow River	C
CHICOPEE COAL COMPANY, INC.	S-3006-99	257	Nicholas	050500050702	Outlet Twentymile Creek	P
CHICOPEE COAL COMPANY, INC.	S-3002-98	125	Nicholas	050500050702	Outlet Twentymile Creek	P
GREENDALE COALS, INC.	S-75-83	224	Clay	050500050702	Outlet Twentymile Creek	O
APPALACHIAN FUELS, LLC	S-3041-88	390	Clay	050500050702	Outlet Twentymile Creek	C
TRIPLE A COALS, INC.	U-3046-87	25	Nicholas	050500050801	Big Beaver Creek	P

TRIPLE A COALS, INC.	S-3028-87	121	Nicholas	050500050801	Big Beaver Creek	P
Company	Permit	Ac	County	HUC12	HU12_Name	Status
W & E LOGGING & COAL	S-20-82	70	Nicholas	050500050801	Big Beaver Creek	C
DUSTY COALS, INC.	S-119-85	71	Nicholas	050500050801	Big Beaver Creek	C
MOUNTAINEER FUELS, INC.	U-3083-87	10	Nicholas	050500050801	Big Beaver Creek	C
TRIPLE A COALS, INC.	S-96-85	262	Nicholas	050500050801	Big Beaver Creek	P
JINKS MINING COMPANY	U-3031-93	15	Nicholas	050500050801	Big Beaver Creek	C/O
B & S CONTRACTING, INC.	R-668	26	Nicholas	050500050802	Headwaters Muddlety Creek	C
LODESTAR ENERGY, INC.	S-3083-86	74	Nicholas	050500050802	Headwaters Muddlety Creek	C/O
B & S CONTRACTING, INC.	U-3055-87	10	Nicholas	050500050803	Outlet Muddlety Creek	P
M & T MINING CO.	S-3026-89	171	Nicholas	050500050803	Outlet Muddlety Creek	C
BLACK DIAMOND MINING CO.	13-79	34	Nicholas	050500050803	Outlet Muddlety Creek	C
SAN SUE COAL CO.	19-75	14	Nicholas	050500050803	Outlet Muddlety Creek	C
KODIAK LAND CO., INC.	S-3052-87	32	Fayette	050500050805	Summersville Lake-Gauley River	C
CRADDOCK & SON COAL CO.	S-68-83	94	Nicholas	050500050806	Headwaters Peters Creek	C
C. C. CONLEY & SONS, INC.	S-3046-91	195	Nicholas	050500050806	Headwaters Peters Creek	C
JOCARR RESOURCES, INC.	U-3059-86	10	Nicholas	050500050806	Headwaters Peters Creek	C
HARVEY ENERGY CORP.	S-3030-89	44	Fayette	050500060101	Packs Branch-Paint Creek	C
PRINCESS CINDY MINING, INC.	30-79	137	Fayette	050500060301	Loop Creek	O
PRINCESS SUSAN COAL CO.	S-6-85	216	Kanawha	050500060305	Kellys Creek	C
PRINCESS SUSAN COAL CO.	S-6033-86	200	Kanawha	050500060305	Kellys Creek	C
PRINCESS SUSAN COAL CO.	S-76-82	67	Kanawha	050500060401	Witcher Creek	C
TEMPLEMAN CONST. CO., INC.	151-75	25	Kanawha	050500060404	Campbells Creek	C
BOOMERANG COAL, INC.	S-2015-06	10	Randolph	050500070104	Sugar Creek	P
SOLITAIRE COAL CORPORATION, INC.	S-87-85	138	Webster	050500070302	Headwaters Right Fork Holly River	C/O
LODESTAR ENERGY, INC.	S-3006-89	123	Nicholas	050500070501	Headwaters Buffalo Creek	P
BRADY CLINE COAL CO.	EM-97	11	Nicholas	050500070501	Headwaters Buffalo Creek	C
ZY COAL CO.	S-30-80	62	Clay	050500070502	Lilly Fork	C
SUMMERSVILLE FIVE BLOCK	S-3051-88	604	Nicholas	050500070502	Lilly Fork	P
ZY COAL CO.	91-79	64	Clay	050500070503	Outlet Buffalo Creek	C
ALPHAINE CORP.	S-6032-86	30	Clay	050500070901	Leatherwood Creek-Elk River	C
CHICOPEE COAL COMPANY, INC.	O-6013-88	125	Clay	050500070902	Sycamore Creek-Elk River	C
EASTERN ENERGY INVEST.	S-6029-86	297	Kanawha	050500070908	Coopers Creek-Elk River	C
BELLE CONTRACTING, INC.	S-6020-87	108	Putnam	050500080204	Heizer Creek	C
BARRETT FUEL CORP.	R-737	175	Raleigh	050500090101	Headwaters Clear Fork	C/P
PUPS CREEK COALS, INC.	S-3006-94	221	Raleigh	050500090201	Stephens Lake	C
J & N PROCESSING COMPANY, LLC	O-58-83	203	Raleigh	050500090202	Upper Marsh Fork	C
LANDMARK CORPORATION	S-5069-88	185	Boone	050500090502	Upper Little Coal River	C

Company	Permit	Ac	County	HUC12	HU12_Name	Status
LANDMARK CORPORATION	S-34-82	95	Boone	050500090503	Lower Little Coal River	C
BENHAM GROUP, LTD.	120-79	180	Boone	050500090604	Drawdy Creek-Big Coal River	C
EASTERN ENERGY INVESTS.	U-6012-88	5	Boone	050500090606	Fork Creek-Big Coal River	C
GREEN MOUNTAIN ENERGY	U-4013-91	15	Wyoming	050701010102	Slab Fork	C
LODESTAR ENERGY, INC.	R-5-84	34	Wyoming	050701010102	Slab Fork	C
LILLYBROOK COAL CO.	S-86-85	34	Raleigh	050701010103	Devils Fork-Guyandotte River	P
PINNACLE CREEK MINING CORP.	R-721	32	Wyoming	050701010302	Pinnacle Creek	C/P
LO-MING COAL CORPORATION	U-5049-87	12	Logan	050701010402	Island Creek	C
HUNT COAL, INC.	U-5071-86	10	Logan	050701010506	Elk Creek-Guyandotte River	C/P
SALYERS LEASING CORP.	U-5066-87	19	Mingo	050701010506	Elk Creek-Guyandotte River	C
JOHN GALT	D-76-82	8	Logan	050701010507	Rum Creek-Guyandotte River	C
WINCHESTER COALS, INC.	O-52-83	5	Logan	050701020105	Fourteenmile Creek-Guyandotte River	C
MERIDAN OF VIRGINIA, INC.	S-4005-89	99	McDowell	050702010105	Lower Dry Fork	P
KEYSTONE COAL, INC.	S-84-83	100	Mingo	050702010310	Blackberry Creek-Tug Fork	C
KEYSTONE COAL, INC.	U-186-83	19	Mingo	050702010311	Mate Creek	C
BORGMAN COAL CO.	EM-32	6	Preston	50200040702	Pringle Run-Cheat River	P

#### OSR (Land)

Company	Permit	Ac	County	HUC12	HU12_Name	Status
GLADY FORK MINING, INC.	U-60-83	33	Upshur	050200010303	French Creek	P
ENERGY MARKETING CO., INC.	U-16-83	8	Barbour	050200020201	Gnatty Creek	C
ENERGY MARKETING CO. INC.	UO-520	13	Barbour	050200020202	Headwaters Elk Creek	C
ENERGY MARKETING CO. INC.	UO-885	67	Barbour	050200020202	Headwaters Elk Creek	C
KANAWHA DEVELOPMENT CORPORATION	O-14-81	49	Fayette	050500060303	Smithers Creek	P
APPALACHIAN FUELS, LLC.	P-3019-08	10	Fayette	050500060304	Boomer Branch-Kanawha River	C
LANDMARK CORPORATION	S-5047-89	250	Boone	050500090502	Upper Little Coal River	C
BELVA COAL COMPANY	R-591	45	Logan	050701010507	Rum Creek-Guyandotte River	C
KEYSTONE COAL, INC.	S-101-85	99	Mingo	050702010310	Blackberry Creek-Tug Fork	C
KEYSTONE COAL, INC.	U-5045-87	14	Mingo	050702010310	Blackberry Creek-Tug Fork	C
QUINTAIN DEVELOPMENT, LLC	S-5033-96	369	Mingo	050702010602	Jennie Creek-Tug Fork	P

Complete - **C**, On-going - **O**, Planning - **P**, In-stream treatment - **T**

Note: In some cases, rehabilitation is occurring or being planned.

#### Appendix 4 – TMDL development schedule

Year	Group	Watershed	Sub-basin	Stream	Code	pH	DO	Fe	Al	Be	Se	Mn	FC
2019	E	Upper Guyandotte	Guyandotte River	Guyandotte River (Upper)	WVOG-Up			X					X
2019	E	Upper Guyandotte	Island Creek	Island Creek	WVOG-65								X
2019	E	Upper Guyandotte	Island Creek	Coal Branch	WVOG-65-A								X
2019	E	Upper Guyandotte	Island Creek	Copperas Mine Fork	WVOG-65-B			X					X
2019	E	Upper Guyandotte	Island Creek	Mud Fork	WVOG-65-B-1			X					X
2019	E	Upper Guyandotte	Island Creek	Lower Dempsey Branch	WVOG-65-B-1-A			X					X
2019	E	Upper Guyandotte	Island Creek	Ellis Branch	WVOG-65-B-1-B								X
2019	E	Upper Guyandotte	Island Creek	Upper Dempsey Branch	WVOG-65-B-1-E								X
2019	E	Upper Guyandotte	Island Creek	Rockhouse Branch	WVOG-65-B-1-F								X
2019	E	Upper Guyandotte	Island Creek	Whitman Creek	WVOG-65-B-2								X
2019	E	Upper Guyandotte	Island Creek	Left Fork/Whitman Creek	WVOG-65-B-2-A								X
2019	E	Upper Guyandotte	Island Creek	UNT/Whitman Creek RM 3.83 (Skifus Branch)	WVOG-65-B-2-C						X		
2019	E	Upper Guyandotte	Island Creek	Trace Fork	WVOG-65-B-4								X
2019	E	Upper Guyandotte	Island Creek	Curry Branch	WVOG-65-B-5			X					X
2019	E	Upper Guyandotte	Island Creek	Mill Creek	WVOG-65-C								X
2019	E	Upper Guyandotte	Island Creek	Steele Branch	WVOG-65-E								X
2019	E	Upper Guyandotte	Island Creek	Middle Fork/Island Creek	WVOG-65-G			X					X
2019	E	Upper Guyandotte	Island Creek	Pine Creek	WVOG-65-H						X		X
2019	E	Upper Guyandotte	Island Creek	Right Fork/Pine Creek	WVOG-65-H-1						X		
2019	E	Upper Guyandotte	Island Creek	Twin Branch	WVOG-65-H-2						X		
2019	E	Upper Guyandotte	Island Creek	Left Fork/Pine Creek	WVOG-65-H-3						X		
2019	E	Upper Guyandotte	Island Creek	Rockhouse Branch	WVOG-65-I						X		
2019	E	Upper Guyandotte	Island Creek	Cow Creek	WVOG-65-J								X
2019	E	Upper Guyandotte	Island Creek	Left Fork/Cow Creek	WVOG-65-J-3								X
2019	E	Upper Guyandotte	Dingess Run	Dingess Run	WVOG-68						X		X
2019	E	Upper Guyandotte	Dingess Run	Bandmill Hollow	WVOG-68-A						X		
2019	E	Upper Guyandotte	Dingess Run	UNT/Bandmill Hollow RM 1.84	WVOG-68-A-4						X		
2019	E	Upper Guyandotte	Dingess Run	Freeze Fork	WVOG-68-G			X			X		X
2019	E	Upper Guyandotte	Dingess Run	UNT/Freeze Fork RM 1.05	WVOG-68-G-1						X		
2019	E	Upper Guyandotte	Dingess Run	Georges Creek	WVOG-68-H						X		
2019	E	Upper Guyandotte	Dingess Run	UNT/Georges Creek RM 1.07	WVOG-68-H-1						X		
2019	E	Upper Guyandotte	Dingess Run	UNT/Georges Creek RM 1.50	WVOG-68-H-2								
2019	E	Upper Guyandotte	Rum Creek	Rum Creek	WVOG-70						X		X



2019	E	Upper Guyandotte	Rum Creek	Right Hand Fork/Rum Creek	WVOG-70-A								X		
Year	Group	Watershed	Sub-basin	Stream	Code	pH	DO	Fe	Al	Be	Se	Mn	FC		
2019	E	Upper Guyandotte	Rum Creek	Burgess Branch	WVOG-70-A-1										
2019	E	Upper Guyandotte	Rum Creek	UNT/Rum Creek RM 1.83	WVOG-70-A.2										
2019	E	Upper Guyandotte	Rum Creek	Slab Fork	WVOG-70-B						X				
2019	E	Upper Guyandotte	Rum Creek	Big Lick Branch	WVOG-70-E						X				
2019	E	Upper Guyandotte	Madison Branch	Madison Branch	WVOG-72			X					X		
2019	E	Upper Guyandotte	Madison Branch	UNT/Madison Branch RM 0.68	WVOG-72-A			X			X		X		
2019	E	Upper Guyandotte	Rich Creek	Left Fork/Rich Creek	WVOG-73-A										
2019	E	Upper Guyandotte	Rich Creek	UNT/Left Fork rm 1.02/Rich Creek	WVOG-73-A-1										
2019	E	Upper Guyandotte	Rich Creek	Laurel Branch	WVOG-73-D										
2019	E	Upper Guyandotte	Buffalo Creek	Buffalo Creek	WVOG-75				X				X		
2019	E	Upper Guyandotte	Buffalo Creek	Right Fork/Buffalo Creek	WVOG-75-A								X		
2019	E	Upper Guyandotte	Buffalo Creek	Perry Branch	WVOG-75-A-1						X				
2019	E	Upper Guyandotte	Buffalo Creek	Proctor Hollow (Mudlick Branch)	WVOG-75-C.5			X							
2019	E	Upper Guyandotte	Buffalo Creek	UNT/Proctor Hollow RM 0.54	WVOG-75-C.5-1										
2019	E	Upper Guyandotte	Buffalo Creek	Robinette Branch	WVOG-75-D								X		
2019	E	Upper Guyandotte	Buffalo Creek	Dingess Branch	WVOG-75-H						X				
2019	E	Upper Guyandotte	Buffalo Creek	Toney Fork	WVOG-75-J								X		
2019	E	Upper Guyandotte	Buffalo Creek	Elklick Branch	WVOG-75-K										
2019	E	Upper Guyandotte	Buffalo Creek	UNT/Elklick Branch RM 0.89	WVOG-75-K-1										
2019	E	Upper Guyandotte	Buffalo Creek	Middle Fork/Buffalo Creek	WVOG-75-L-1	X			X			X			
2019	E	Upper Guyandotte	Huff Creek	Huff Creek	WVOG-76								X		
2019	E	Upper Guyandotte	Huff Creek	Beech Branch	WVOG-76-K								X		
2019	E	Upper Guyandotte	Huff Creek	Toney Fork	WVOG-76-L	X			X						
2019	E	Upper Guyandotte	Huff Creek	Paynter Branch	WVOG-76-M								X		
2019	E	Upper Guyandotte	Huff Creek	Road Branch	WVOG-76-O						X		X		
2019	E	Upper Guyandotte	Huff Creek	UNT/Road Branch RM 1.79	WVOG-76-O-3						X				
2019	E	Upper Guyandotte	Rockhouse Creek	Rockhouse Creek	WVOG-77										
2019	E	Upper Guyandotte	Rockhouse Creek	Spring Branch	WVOG-77-A										
2019	E	Upper Guyandotte	Rockhouse Creek	UNT/Spring Branch RM 0.56	WVOG-77-A-1										
2019	E	Upper Guyandotte	Rockhouse Creek	Oldhouse Branch	WVOG-77-A.5	X		X	X			X			
2019	E	Upper Guyandotte	Rockhouse Creek	Lick Branch	WVOG-77-B										
2019	E	Upper Guyandotte	Rockhouse Creek	Lefthand Fork/Rockhouse Creek	WVOG-77-D			X							
2019	E	Upper Guyandotte	Sandlick Creek	Sandlick Creek	WVOG-78								X		
2019	E	Upper Guyandotte	Spice Creek	Spice Creek	WVOG-82								X		
2019	E	Upper Guyandotte	Sylvia Branch	Sylvia Branch	WVOG-84								X		

Year	Group	Watershed	Sub-basin	Stream	Code	pH	DO	Fe	Al	Be	Se	Mn	FC
2019	E	Upper Guyandotte	Stafford Branch	Stafford Branch	WVOG-88								X
2019	E	Upper Guyandotte	Gilbert Creek	Gilbert Creek	WVOG-89								X
2019	E	Upper Guyandotte	Gilbert Creek	Skillet Creek	WVOG-89-A								X
2019	E	Upper Guyandotte	Gilbert Creek	Horsepen Creek	WVOG-89-B								X
2019	E	Upper Guyandotte	Gilbert Creek	Browning Fork	WVOG-89-B-1								X
2019	E	Upper Guyandotte	Gilbert Creek	Lower Pete Branch	WVOG-89-B-0.3								
2019	E	Upper Guyandotte	Gilbert Creek	Adams Fork	WVOG-89-C.3								
2019	E	Upper Guyandotte	Neds Branch	Neds Branch	WVOG-90								X
2019	E	Upper Guyandotte	Little Huff Creek	Little Huff Creek	WVOG-92			X					X
2019	E	Upper Guyandotte	Little Huff Creek	Little Cub Creek	WVOG-92-B								X
2019	E	Upper Guyandotte	Little Huff Creek	Lizard Creek	WVOG-92-C			X					X
2019	E	Upper Guyandotte	Little Huff Creek	Muzzle Creek	WVOG-92-I								X
2019	E	Upper Guyandotte	Little Huff Creek	Buffalo Creek	WVOG-92-K			X					X
2019	E	Upper Guyandotte	Little Huff Creek	Kezee Fork	WVOG-92-K-1			X					
2019	E	Upper Guyandotte	Little Huff Creek	Suke Creek	WVOG-92-M			X					X
2019	E	Upper Guyandotte	Little Huff Creek	Pad Fork	WVOG-92-Q								X
2019	E	Upper Guyandotte	Big Cub Creek	Big Cub Creek	WVOG-96								X
2019	E	Upper Guyandotte	Big Cub Creek	Road Branch	WVOG-96-B						X		X
2019	E	Upper Guyandotte	Big Cub Creek	UNT/Road Branch RM 1.13	WVOG-96-B-2								X
2019	E	Upper Guyandotte	Big Cub Creek	Toler Hollow	WVOG-96-F						X		X
2019	E	Upper Guyandotte	Long Branch	Long Branch	WVOG-97								X
2019	E	Upper Guyandotte	Reedy Branch	Reedy Branch	WVOG-99						X		X
2019	E	Upper Guyandotte	Clear Fork	Clear Fork	WVOGC								X
2019	E	Upper Guyandotte	Laurel Fork	Laurel Fork	WVOGC-16								X
2019	E	Upper Guyandotte	Laurel Fork	Coon Branch	WVOGC-16-B								X
2019	E	Upper Guyandotte	Laurel Fork	Chestnut Flats Branch	WVOGC-16-B-1								X
2019	E	Upper Guyandotte	Laurel Fork	Cabin Branch	WVOGC-16-C								X
2019	E	Upper Guyandotte	Laurel Fork	Glen Fork	WVOGC-16-J								X
2019	E	Upper Guyandotte	Laurel Fork	Tom Bailey Branch	WVOGC-16-J-1								X
2019	E	Upper Guyandotte	Laurel Fork	Laurel Branch	WVOGC-16-K			X					X
2019	E	Upper Guyandotte	Laurel Fork	Milam Fork	WVOGC-16-M								X
2019	E	Upper Guyandotte	Laurel Fork	Franks Fork	WVOGC-16-U								X
2019	E	Upper Guyandotte	Toney Fork	Toney Fork	WVOGC-19								X
2019	E	Upper Guyandotte	Horse Creek	Horse Creek	WVOG-105								X
2019	E	Upper Guyandotte	Little Cub Creek	Little Cub Creek	WVOG-108								X
2019	E	Upper Guyandotte	Indian Creek	Indian Creek	WVOG-110								X

2019	E	Upper Guyandotte	Indian Creek	Brier Creek	WVOG-110-A			X							X
Year	Group	Watershed	Sub-basin	Stream	Code	pH	DO	Fe	Al	Be	Se	Mn	FC		
2019	E	Upper Guyandotte	Indian Creek	Marsh Fork	WVOG-110-A-2			X					X		
2019	E	Upper Guyandotte	Indian Creek	Wolf Pen Branch	WVOG-110-G								X		
2019	E	Upper Guyandotte	Turkey Creek	Turkey Creek	WVOG-118			X					X		
2019	E	Upper Guyandotte	Skin Fork	Skin Fork	WVOG-119			X					X		
2019	E	Upper Guyandotte	Rockcastle Creek	Rockcastle Creek	WVOG-123								X		
2019	E	Upper Guyandotte	Rockcastle Creek	Bearhole Fork	WVOG-123-A			X					X		
2019	E	Upper Guyandotte	Rockcastle Creek	Bird Branch	WVOG-123-A-1								X		
2019	E	Upper Guyandotte	Pinnacle Creek	Pinnacle Creek	WVOG-124			X					X		
2019	E	Upper Guyandotte	Pinnacle Creek	Little White Oak Creek	WVOG-124-E			X							
2019	E	Upper Guyandotte	Pinnacle Creek	Sulphur Branch	WVOG-124-E-0.5			X							
2019	E	Upper Guyandotte	Pinnacle Creek	Spider Creek	WVOG-124-I			X					X		
2019	E	Upper Guyandotte	Pinnacle Creek	White Oak Branch	WVOG-124-J								X		
2019	E	Upper Guyandotte	Pinnacle Creek	Payne Branch	WVOG-124-J-1										
2019	E	Upper Guyandotte	Pinnacle Creek	UNT/Payne Branch RM1.37	WVOG-124-J-1-C										
2019	E	Upper Guyandotte	Pinnacle Creek	Beartown Fork	WVOG-124-N			X					X		
2019	E	Upper Guyandotte	Cabin Creek	Cabin Creek	WVOG-127			X					X		
2019	E	Upper Guyandotte	Cabin Creek	Meadow Fork	WVOG-127-B								X		
2019	E	Upper Guyandotte	Cabin Creek	Marsh Fork	WVOG-127-D			X					X		
2019	E	Upper Guyandotte	Joe Branch	Joe Branch	WVOG-128						X		X		
2019	E	Upper Guyandotte	Long Branch	UNT/Still Run RM 1.00	WVOG-130-A.2			X							
2019	E	Upper Guyandotte	Barkers Creek	Barkers Creek	WVOG-131			X					X		
2019	E	Upper Guyandotte	Barkers Creek	Hickory Branch	WVOG-131-B						X				
2019	E	Upper Guyandotte	Barkers Creek	Mill Branch	WVOG-131-C								X		
2019	E	Upper Guyandotte	Barkers Creek	Gooney Otter Creek	WVOG-131-F			X					X		
2019	E	Upper Guyandotte	Barkers Creek	Jims Branch	WVOG-131-F-1								X		
2019	E	Upper Guyandotte	Barkers Creek	UNT/Gooney Otter Creek RM 3.64	WVOG-131-F-5								X		
2019	E	Upper Guyandotte	Barkers Creek	Milam Fork	WVOG-131-I								X		
2019	E	Upper Guyandotte	Slab Fork	Slab Fork	WVOG-134			X	X				X		
2019	E	Upper Guyandotte	Slab Fork	Cedar Creek	WVOG-134-B								X		
2019	E	Upper Guyandotte	Slab Fork	Marsh Fork	WVOG-134-C								X		
2019	E	Upper Guyandotte	Slab Fork	Measle Fork	WVOG-134-D	X		X	X				X		
2019	E	Upper Guyandotte	Slab Fork	UNT/Slab Fork RM 7.96	WVOG-134-D.5	X			X						
2019	E	Upper Guyandotte	Slab Fork	Burnt Fork	WVOG-134-H								X		
2019	E	Upper Guyandotte	Slab Fork	Low Gap Branch	WVOG-134-I			X					X		
2019	E	Upper Guyandotte	Allen Creek	Allen Creek	WVOG-135			X					X		

2019	E	Upper Guyandotte	Allen Creek	Left Fork/Allen Creek	WVOG-135-A			X							
Year	Group	Watershed	Sub-basin	Stream	Code	pH	DO	Fe	Al	Be	Se	Mn	FC		
2019	E	Upper Guyandotte	Big Branch	Big Branch	WVOG-136								X		
2019	E	Upper Guyandotte	Devils Fork	Devils Fork	WVOG-137			X					X		
2019	E	Upper Guyandotte	Devils Fork	Beetree Branch	WVOG-137-A			X							
2019	E	Upper Guyandotte	Devils Fork	UNT/Bluff Fork RM 0.17	WVOG-137-B-0.1			X							
2019	E	Upper Guyandotte	Devils Fork	Wiley Spring Branch	WVOG-137-C			X							
2019	E	Upper Guyandotte	Winding Gulf	Winding Gulf	WVOG-138			X	X				X		
2019	E	Upper Guyandotte	Winding Gulf	Berry Branch	WVOG-138-A								X		
2019	E	Upper Guyandotte	Winding Gulf	Mullens Branch	WVOG-138-E			X							
2019	E	Upper Guyandotte	Winding Gulf	West Fork/Winding Gulf	WVOG-138-G	XDMR									
2019	E	Upper Guyandotte	Stonecoal Creek	Stonecoal Creek	WVOG-139			X					X		
2019	E	Upper Guyandotte	Stonecoal Creek	Tommy Creek	WVOG-139-A			X	X				X		
2019	E	Upper Guyandotte	Stonecoal Creek	Bragg Branch	WVOG-139-A-1			X							
2019	E	Upper Guyandotte	Stonecoal Creek	Lefthand Fork/Tommy Creek	WVOG-139-A-3			X							
2019	E	Upper Guyandotte	Stonecoal Creek	Riffe Branch	WVOG-139-B					X			X		
2019	E	Upper Guyandotte	Stonecoal Creek	Pines Creek	WVOG-139-D								X		
2020	E	Big Sandy	Miller Creek	Miller Creek	WVBS-1		X	X					X		
2020	E	Big Sandy	Miller Creek	UNT/Miller Creek RM 1.85	WVBS-1-B		X						X		
2020	E	Big Sandy	Dock Creek	Dock Creek	WVBS-2								X		
2020	E	Big Sandy	Dock Creek	UNT/Dock Creek RM 0.63	WVBS-2-A								X		
2020	E	Big Sandy	Dock Creek	UNT/Dock Creek RM 1.83	WVBS-2-D								X		
2020	E	Big Sandy	Cedar Run	Cedar Run	WVBS-3								X		
2020	E	Big Sandy	Sharps Branch	Sharps Branch	WVBS-4								X		
2020	E	Big Sandy	Whites Creek	Whites Creek	WVBS-5			X					X		
2020	E	Big Sandy	Whites Creek	Sours Run	WVBS-5-A		X						X		
2020	E	Big Sandy	Whites Creek	Hensley Branch	WVBS-5-A.3								X		
2020	E	Big Sandy	Whites Creek	Merrick Branch	WVBS-5-A.5								X		
2020	E	Big Sandy	Whites Creek	Rocklick Branch	WVBS-5-A.7								X		
2020	E	Big Sandy	Whites Creek	Balangee Branch	WVBS-5-A.9			X					X		
2020	E	Big Sandy	Gragston Creek	Gragston Creek	WVBS-6			X					X		
2020	E	Big Sandy	Gragston Creek	Brush Fork	WVBS-6-B								X		
2020	E	Big Sandy	Elijah Creek	Elijah Creek	WVBS-7								X		
2020	E	Big Sandy	Elijah Creek	Davis Branch	WVBS-7-A								X		
2020	E	Big Sandy	Elijah Creek	Gilkerson Branch	WVBS-7-B								X		
2020	E	Big Sandy	Hurricane Creek	Hurricane Creek	WVBS-8			X					X		
2020	E	Big Sandy	Hurricane Creek	Sugar Branch	WVBS-8-0.7A								X		

Year	Group	Watershed	Sub-basin	Stream	Code	pH	DO	Fe	Al	Be	Se	Mn	FC
2020	E	Big Sandy	Hurricane Creek	Left Fork/Hurricane Creek	WVBS-8-B								X
2020	E	Big Sandy	Hurricane Creek	Dawson Branch	WVBS-8-E			X					X
2020	E	Big Sandy	Hurricane Creek	Spruce Lick	WVBS-8-F			X					X
2020	E	Big Sandy	Hurricane Creek	Artrip Branch	WVBS-8-G								X
2020	E	Big Sandy	Little Hurricane Creek	Little Hurricane Creek	WVBS-9			X					X
2020	E	Big Sandy	Tabor Creek	Tabor Creek	WVBS-10			X					X
2020	E	Big Sandy	Tabor Creek	Powder Mill Branch	WVBS-10-0.5A								X
2020	E	Big Sandy	Tabor Creek	Wildcat Branch	WVBS-10-0.7A								X
2020	E	Big Sandy	Tabor Creek	Long Branch	WVBS-10-A								X
2020	E	Big Sandy	Lycans Branch	Lycans Branch	WVBS-12								X
2020	E	Big Sandy	Redhead Branch	Redhead Branch	WVBS-13								X
2020	E	Lower Ohio	Sevenmile Creek	Sevenmile Creek	WVO-6								X
2020	E	Lower Ohio	Sevenmile Creek	Little Sevenmile Creek	WVO-6-A								X
2020	E	Lower Ohio	Ninemile Creek	Ninemile Creek	WVO-7								X
2020	E	Lower Ohio	Ninemile Creek	UNT/Ninemile Creek RM 3.94	WVO-7-A								X
2020	E	Lower Ohio	Ninemile Creek	UNT/Ninemile Creek RM 5.75	WVO-7-H								X
2020	E	Lower Ohio	Guyan Creek	Guyan Creek	WVO-9			X					X
2020	E	Lower Ohio	Guyan Creek	Spurlock Creek	WVO-9-A								X
2020	E	Lower Ohio	Guyan Creek	Left Fork/Spurlock Creek	WVO-9-A-2								X
2020	E	Lower Ohio	Guyan Creek	Perry Creek	WVO-9-A-2-A								X
2020	E	Lower Ohio	Guyan Creek	Bryan Creek	WVO-9-C		X						X
2020	E	Lower Ohio	Guyan Creek	UNT/Bryan Creek RM 3.74	WVO-9-C-7								X
2020	E	Lower Ohio	Guyan Creek	Lynn Fork	WVO-9-D-2								X
2020	E	Lower Ohio	Guyan Creek	Knife Branch	WVO-9-E								X
2020	E	Lower Ohio	Guyan Creek	Bear Hollow Creek	WVO-9-F								X
2020	E	Lower Ohio	Guyan Creek	UNT/Bear Hollow Creek RM 1.20	WVO-9-F-2								X
2020	E	Lower Ohio	Guyan Creek	UNT/Guyan Creek RM 13.17	WVO-9-W								X
2020	E	Lower Ohio	Eighteenmile Creek	Eighteenmile Creek	WVO-10			X					X
2020	E	Lower Ohio	Eighteenmile Creek	Rocky Fork	WVO-10-A								X
2020	E	Lower Ohio	Eighteenmile Creek	Fees Branch	WVO-10-C								X
2020	E	Lower Ohio	Eighteenmile Creek	Mud Run	WVO-10-D								X
2020	E	Lower Ohio	Eighteenmile Creek	Right Fork/Eighteenmile Creek	WVO-10-D.5								X
2020	E	Lower Ohio	Eighteenmile Creek	Road Fork	WVO-10-E			X					
2020	E	Lower Ohio	Eighteenmile Creek	Spring Branch	WVO-10-F-1			X					X
2020	E	Lower Ohio	Sixteenmile Creek	Sixteenmile Creek	WVO-11			X					X
2020	E	Lower Ohio	Sixteenmile Creek	UNT/Sixteenmile Creek RM 1.96	WVO-11-0.9A			X					

2020	E	Lower Ohio	Sixteenmile Creek	Jerrys Run	WVO-11-B											X
Year	Group	Watershed	Sub-basin	Stream	Code	pH	DO	Fe	Al	Be	Se	Mn	FC			
2020	E	Lower Ohio	Sixteenmile Creek	Millstone Creek	WVO-11-D								X			
2020	E	Lower Ohio	Sixteenmile Creek	Righthand Fork	WVO-11-E								X			
2020	E	Lower Ohio	Sixteenmile Creek	UNT/Righthand Fork RM 2.10	WVO-11-E-4								X			
2020	E	Lower Ohio	Sixteenmile Creek	Potts Hollow (Righthand Fork)	WVO-11-F			X								
2020	E	Lower Ohio	Sixteenmile Creek	UNT/Sixteenmile Creek RM 13.56	WVO-11-G.1								X			
2020	E	Lower Ohio	Sixteenmile Creek	Willow Branch	WVO-11-H								X			
2020	E	Lower Ohio	Sixteenmile Creek	Wolfpen Run	WVO-11-I								X			
2020	E	Lower Ohio	Sixteenmile Creek	UNT/Sixteenmile Creek RM 15.47	WVO-11-K			X					X			
2020	E	Lower Ohio	Flatfoot Creek	Flatfoot Creek	WVO-12								X			
2020	E	Lower Ohio	Flatfoot Creek	UNT/Flatfoot Creek RM 3.42	WVO-12-B			X					X			
2020	E	Lower Ohio	Flatfoot Creek	UNT/Flatfoot Creek RM 5.40	WVO-12-D								X			
2020	E	Lower Ohio	Crab Creek	Crab Creek	WVO-13		X	X					X			
2020	E	Lower Ohio	Crab Creek	Mud Run	WVO-13-A			X					X			
2020	E	Lower Ohio	Crab Creek	Sand Fork	WVO-13-B								X			
2020	E	Lower Ohio	Crab Creek	Middle Fork/Crab Creek	WVO-13-D								X			
2020	E	Lower Ohio	Crab Creek	UNT/Crab Creek RM 7.00	WVO-13-F								X			
2020	E	Lower Ohio	Threemile Creek	Threemile Creek	WVO-15								X			
2020	E	Lower Ohio	Twomile Creek	Twomile Creek	WVO-16			X					X			
2020	E	Lower Ohio	Salt Creek	Salt Creek	WVO-17								X			
2020	E	Twelvepole	Twelvepole Creek	Twelvepole Creek	WVO-2			X					X			
2020	E	Twelvepole	Twelvepole Creek	Krout Creek	WVO-2-0.1A								X			
2020	E	Twelvepole	Twelvepole Creek	Jordans Branch	WVO-2-0.5A								X			
2020	E	Twelvepole	Twelvepole Creek	Walker Branch	WVO-2-A								X			
2020	E	Twelvepole	Twelvepole Creek	UNT/Twelvepole Creek RM 5.72	WVO-2-A.1								X			
2020	E	Twelvepole	Twelvepole Creek	Bobs Branch	WVO-2-B								X			
2020	E	Twelvepole	Twelvepole Creek	Buffalo Creek	WVO-2-C								X			
2020	E	Twelvepole	Twelvepole Creek	UNT/Buffalo Creek RM 2.21	WVO-2-C-4								X			
2020	E	Twelvepole	Twelvepole Creek	UNT/Buffalo Creek RM 3.50	WVO-2-C-6								X			
2020	E	Twelvepole	Twelvepole Creek	UNT/Twelvepole Creek RM 11.90	WVO-2-E.6								X			
2020	E	Twelvepole	Twelvepole Creek	Camp Creek	WVO-2-G		X						X			
2020	E	Twelvepole	Twelvepole Creek	Right Fork/Camp Creek	WVO-2-G-1								X			
2020	E	Twelvepole	Twelvepole Creek	UNT/Right Fork RM 0.66/Camp Creek	WVO-2-G-1-B								X			
2020	E	Twelvepole	Twelvepole Creek	UNT/Camp Creek RM 1.16	WVO-2-G-1.4								X			
2020	E	Twelvepole	Twelvepole Creek	Beech Fork	WVO-2-H		X	X					X			
2020	E	Twelvepole	Twelvepole Creek	UNT/Beech Fork RM 2.38	WVO-2-H-0.4								X			

2020	E	Twelvepole	Twelvepole Creek	Mays Branch	WVO-2-H-0.5											X
Year	Group	Watershed	Sub-basin	Stream	Code	pH	DO	Fe	Al	Be	Se	Mn	FC			
2020	E	Twelvepole	Twelvepole Creek	Millers Fork	WVO-2-H-2								X			
2020	E	Twelvepole	Twelvepole Creek	Fisher Bowen Branch	WVO-2-H-2-C								X			
2020	E	Twelvepole	Twelvepole Creek	Left Fork/Millers Fork	WVO-2-H-2-D								X			
2020	E	Twelvepole	Twelvepole Creek	Fraley Fork	WVO-2-H-2-F								X			
2020	E	Twelvepole	Twelvepole Creek	Moxley Branch	WVO-2-H-6								X			
2020	E	Twelvepole	Twelvepole Creek	Long Branch	WVO-2-H-7								X			
2020	E	Twelvepole	Twelvepole Creek	Bowen Creek	WVO-2-H-11								X			
2020	E	Twelvepole	Twelvepole Creek	Raccoon Creek	WVO-2-H-12								X			
2020	E	Twelvepole	Twelvepole Creek	Right Fork/Beech Fork	WVO-2-H-18								X			
2020	E	Twelvepole	Twelvepole Creek	Wolfpen Branch	WVO-2-H-19								X			
2020	E	Twelvepole	Twelvepole Creek	Lynn Creek	WVO-2-I								X			
2020	E	Twelvepole	Twelvepole Creek	Big Creek	WVO-2-K								X			
2020	E	Twelvepole	Twelvepole Creek	Garrett Creek	WVO-2-L								X			
2020	E	Twelvepole	Twelvepole Creek	Shoal Branch	WVO-2-M								X			
2020	E	Twelvepole	Twelvepole Creek	Wilson Creek	WVO-2-N								X			
2020	E	Twelvepole	Twelvepole Creek	Left Fork/Wilson Creek	WVO-2-N-1								X			
2020	E	Twelvepole	Twelvepole Creek	Toms Creek	WVO-2-O								X			
2020	E	Twelvepole	Twelvepole Creek	West Fork/Twelvepole Creek	WVO-2-P			X					X			
2020	E	Twelvepole	Twelvepole Creek	Big Branch	WVO-2-P-1								X			
2020	E	Twelvepole	Twelvepole Creek	Patrick Creek	WVO-2-P-2								X			
2020	E	Twelvepole	Twelvepole Creek	Trace Fork	WVO-2-P-4								X			
2020	E	Twelvepole	Twelvepole Creek	Wolf Creek	WVO-2-P-4-A								X			
2020	E	Twelvepole	Twelvepole Creek	Greenbrier Creek	WVO-2-P-4-B								X			
2020	E	Twelvepole	Twelvepole Creek	Deephole Branch	WVO-2-P-7								X			
2020	E	Twelvepole	Twelvepole Creek	Sycamore Branch	WVO-2-P-8								X			
2020	E	Twelvepole	Twelvepole Creek	Flat Branch	WVO-2-P-9								X			
2020	E	Twelvepole	Twelvepole Creek	Drift Branch	WVO-2-P-10								X			
2020	E	Twelvepole	Twelvepole Creek	Jackson Branch	WVO-2-P-11								X			
2020	E	Twelvepole	Twelvepole Creek	Billy Branch	WVO-2-P-12								X			
2020	E	Twelvepole	Twelvepole Creek	Martha Noe Branch	WVO-2-P-13								X			
2020	E	Twelvepole	Twelvepole Creek	Ferguson Branch	WVO-2-P-15								X			
2020	E	Twelvepole	Twelvepole Creek	Matty Ferguson Branch	WVO-2-P-14.5	X			X							
2020	E	Twelvepole	Twelvepole Creek	UNT/West Fork RM 20.26/Twelvepole Creek	WVO-2-P-15.8								X			
2020	E	Twelvepole	Twelvepole Creek	Sycamore Branch	WVO-2-P-17								X			
2020	E	Twelvepole	Twelvepole Creek	Big Branch	WVO-2-P-18								X			

Year	Group	Watershed	Sub-basin	Stream	Code	pH	DO	Fe	Al	Be	Se	Mn	FC
2020	E	Twelvepole	Twelvepole Creek	Wells Branch	WVO-2-P-19								X
2020	E	Twelvepole	Twelvepole Creek	Moses Fork	WVO-2-P-21								X
2020	E	Twelvepole	Twelvepole Creek	Right Fork/Moses Fork	WVO-2-P-21-C								X
2020	E	Twelvepole	Twelvepole Creek	Wiley Branch	WVO-2-P-24								X
2020	E	Twelvepole	Twelvepole Creek	Sweetwater Branch	WVO-2-P-25								X
2020	E	Twelvepole	Twelvepole Creek	Turkey Creek	WVO-2-P-29								X
2020	E	Twelvepole	Twelvepole Creek	Jacks Fork	WVO-2-P-29-B								X
2020	E	Twelvepole	Twelvepole Creek	Poor Branch	WVO-2-P-33								X
2020	E	Twelvepole	Twelvepole Creek	UNT/West Fork RM 39.30/Twelvepole Creek	WVO-2-P-35.3								X
2020	E	Twelvepole	Twelvepole Creek	Pumpkin Field Branch	WVO-2-P-35.5								X
2020	E	Twelvepole	Twelvepole Creek	Breeden Creek	WVO-2-P-36			X					X
2020	E	Twelvepole	Twelvepole Creek	UNT/West Fork RM 41.41/Twelvepole Creek	WVO-2-P-36.5								X
2020	E	Twelvepole	Twelvepole Creek	UNT/West Fork RM 42.13/Twelvepole Creek	WVO-2-P-36.8								X
2020	E	Twelvepole	Twelvepole Creek	Openmouth Branch	WVO-2-P-37								X
2020	E	Twelvepole	Twelvepole Creek	UNT/West Fork RM 43.91/Twelvepole Creek	WVO-2-P-37.1								X
2020	E	Twelvepole	Twelvepole Creek	Trace Branch	WVO-2-P-38								X
2020	E	Twelvepole	Twelvepole Creek	Big Sang Kill	WVO-2-P-39								X
2020	E	Twelvepole	Twelvepole Creek	Hogger Run	WVO-2-P-40.5			X					X
2020	E	Twelvepole	Twelvepole Creek	Dingess Trace Branch	WVO-2-P-41								X
2020	E	Twelvepole	Twelvepole Creek	Camp Branch	WVO-2-P-42								X
2020	E	Twelvepole	Twelvepole Creek	Moses Fork	WVO-2-P-43								X
2020	E	Twelvepole	Twelvepole Creek	Messenger Branch	WVO-2-P-44	X		X					X
2020	E	Twelvepole	Twelvepole Creek	East Fork/Twelvepole Creek	WVO-2-Q			X					X
2020	E	Twelvepole	Twelvepole Creek	Johnnys Branch	WVO-2-Q-0.5								X
2020	E	Twelvepole	Twelvepole Creek	Newcomb Creek	WVO-2-Q-5								X
2020	E	Twelvepole	Twelvepole Creek	Petercave Branch	WVO-2-Q-6								X
2020	E	Twelvepole	Twelvepole Creek	Camp Creek	WVO-2-Q-8						X		X
2020	E	Twelvepole	Twelvepole Creek	Left Fork/Camp Creek	WVO-2-Q-8-A			X		X			X
2020	E	Twelvepole	Twelvepole Creek	Tiger Fork	WVO-2-Q-8-A-1								X
2020	E	Twelvepole	Twelvepole Creek	Right Fork/Camp Creek	WVO-2-Q-8-B						X		X
2020	E	Twelvepole	Twelvepole Creek	Lynn Creek	WVO-2-Q-9								X
2020	E	Twelvepole	Twelvepole Creek	Battern Fork	WVO-2-Q-9-A								X
2020	E	Twelvepole	Twelvepole Creek	Left Fork/Lynn Creek	WVO-2-Q-9-C								X
2020	E	Twelvepole	Twelvepole Creek	Right Fork/Lynn Creek	WVO-2-Q-9-D								X
2020	E	Twelvepole	Twelvepole Creek	Laurel Creek/East Fork	WVO-2-Q-10								X
2020	E	Twelvepole	Twelvepole Creek	Rich Creek	WVO-2-Q-14			X					X



Year	Group	Watershed	Sub-basin	Stream	Code	pH	DO	Fe	Al	Be	Se	Mn	FC
2020	E	Twelvepole	Twelvepole Creek	Right Fork/Rich Creek	WVO-2-Q-14-A								X
2020	E	Twelvepole	Twelvepole Creek	Beechy Branch	WVO-2-Q-15								X
2020	E	Twelvepole	Twelvepole Creek	Cove Creek	WVO-2-Q-17								X
2020	E	Twelvepole	Twelvepole Creek	Trace Fork	WVO-2-Q-17-E								X
2020	E	Twelvepole	Twelvepole Creek	Alum Fork	WVO-2-Q-17.8								X
2020	E	Twelvepole	Twelvepole Creek	Kiah Creek	WVO-2-Q-18								X
2020	E	Twelvepole	Twelvepole Creek	Big Laurel Creek	WVO-2-Q-18-B								X
2020	E	Twelvepole	Twelvepole Creek	Trough Fork	WVO-2-Q-18-C								X
2020	E	Twelvepole	Twelvepole Creek	Tomblin Branch	WVO-2-Q-18-C-2								X
2020	E	Twelvepole	Twelvepole Creek	Frances Creek	WVO-2-Q-18-F								X
2020	E	Twelvepole	Twelvepole Creek	Pretty Branch	WVO-2-Q-18-F-1								X
2020	E	Twelvepole	Twelvepole Creek	Witcher Fork	WVO-2-Q-18-F.2								X
2020	E	Twelvepole	Twelvepole Creek	Copley Trace Branch	WVO-2-Q-18-G						X		X
2020	E	Twelvepole	Twelvepole Creek	Jims Branch	WVO-2-Q-18-H								X
2020	E	Twelvepole	Twelvepole Creek	Devilstrace Branch	WVO-2-Q-21.9			X					
2020	E	Twelvepole	Twelvepole Creek	Maynard Branch	WVO-2-Q-23								X
2020	E	Twelvepole	Twelvepole Creek	McComas Branch	WVO-2-Q-24								X
2020	E	Twelvepole	Twelvepole Creek	Frank Branch	WVO-2-Q-24.2								X
2020	E	Twelvepole	Twelvepole Creek	Bluewater Branch	WVO-2-Q-26								
2020	E	Twelvepole	Twelvepole Creek	UNT/Laurel Branch RM 0.34	WVO-2-Q-30-A								
2020	E	Twelvepole	Twelvepole Creek	Cub Branch	WVO-2-Q-31								X
2020	E	Twelvepole	Twelvepole Creek	Right Fork/Cub Branch	WVO-2-Q-31-A								X
2020	E	Twelvepole	Twelvepole Creek	UNT/East Fork RM 38.31/Twelvepole Creek	WVO-2-Q-31.8								X
2020	E	Twelvepole	Twelvepole Creek	Old House Branch	WVO-2-Q-32.8			X					X
2020	E	Twelvepole	Twelvepole Creek	Caney Fork	WVO-2-Q-33								X
2020	E	Twelvepole	Twelvepole Creek	Pretty Branch	WVO-2-Q-35								X
2020	E	Twelvepole	Twelvepole Creek	Mare Branch	WVO-2-Q-36								X
2020	E	Twelvepole	Twelvepole Creek	Hurricane Branch	WVO-2-Q-40								X
2020	E	Twelvepole	Twelvepole Creek	Hogger Branch	WVO-2-Q-41								X
2020	E	Twelvepole	Twelvepole Creek	Marcum Branch	WVO-2-Q-42.5								X
2020	E	Twelvepole	Twelvepole Creek	UNT/East Fork RM 48.19/Twelvepole Creek	WVO-2-Q-44.6								X
2021	C	Lower Guyandotte	Guyandotte River (Lower)	Guyandotte River (Lower)	WVOG-lo			X					X
2021	C	Lower Guyandotte	Deitz Hollow (Pats Branch)	Deitz Hollow (Pats Branch)	WVOG-0.5								X
2021	C	Lower Guyandotte	Russell Creek	Russell Creek	WVOG-1								X
2021	C	Lower Guyandotte	Russell Creek	UNT/Russell Creek RM 0.20	WVOG-1-A								X

Year	Group	Watershed	Sub-basin	Stream	Code	pH	DO	Fe	Al	Be	Se	Mn	FC
2021	C	Lower Guyandotte	Davis Creek	Davis Creek	WVOG-3								X
2021	C	Lower Guyandotte	Davis Creek	Edens Branch	WVOG-3-0.5A								X
2021	C	Lower Guyandotte	Davis Creek	Left Fork/Davis Creek	WVOG-3-A								X
2021	C	Lower Guyandotte	Davis Creek	Right Fork/Davis Creek	WVOG-3-B								X
2021	C	Lower Guyandotte	Mill Creek	Mill Creek	WVOG-6								X
2021	C	Lower Guyandotte	Mill Creek	UNT/Mill Creek RM 0.21	WVOG-6-A								X
2021	C	Lower Guyandotte	Lower Tom Creek	Lower Tom Creek	WVOG-8								X
2021	C	Lower Guyandotte	Heath Creek	Heath Creek	WVOG-9								X
2021	C	Lower Guyandotte	Heath Creek	Upper Heath Creek	WVOG-9-A								X
2021	C	Lower Guyandotte	Merritt Creek	Merritt Creek	WVOG-10								X
2021	C	Lower Guyandotte	Merritt Creek	Right Fork/Merritt Creek	WVOG-10-A								X
2021	C	Lower Guyandotte	Smith Creek	Smith Creek	WVOG-11								X
2021	C	Lower Guyandotte	Cavill Creek	Cavill Creek	WVOG-12								X
2021	C	Lower Guyandotte	Tom Creek	Tom Creek	WVOG-13								X
2021	C	Lower Guyandotte	Trace Creek	Trace Creek	WVOG-14								X
2021	C	Lower Guyandotte	Trace Creek	UNT/Trace Creek RM 2.88	WVOG-14-C								X
2021	C	Lower Guyandotte	Tyler Creek	Tyler Creek	WVOG-15								X
2021	C	Lower Guyandotte	Madison Creek	Madison Creek	WVOG-17			X					X
2021	C	Lower Guyandotte	Bear Creek	Bear Creek	WVOG-18								X
2021	C	Lower Guyandotte	Twomile Creek	Twomile Creek	WVOG-20								X
2021	C	Lower Guyandotte	Onemile Creek	Onemile Creek	WVOG-23								X
2021	C	Lower Guyandotte	Onemile Creek	UNT/Guyandotte River RM 33.39	WVOG-23.8			X					X
2021	C	Lower Guyandotte	Twomile Creek	Twomile Creek	WVOG-24								X
2021	C	Lower Guyandotte	Fourmile Creek	Fourmile Creek	WVOG-27								X
2021	C	Lower Guyandotte	Fourmile Creek	Lowgap Branch	WVOG-27-A								X
2021	C	Lower Guyandotte	Fourmile Creek	Trace Fork	WVOG-27-B								X
2021	C	Lower Guyandotte	Fourmile Creek	Harless Fork	WVOG-27-C			X					X
2021	C	Lower Guyandotte	Fourmile Creek	Kentuck Fork	WVOG-27-D								X
2021	C	Lower Guyandotte	Fourmile Creek	Red River Fork	WVOG-27-G								X
2021	C	Lower Guyandotte	Fourmile Creek	Falls Branch	WVOG-27-H								X
2021	C	Lower Guyandotte	Fourmile Creek	McClarity Branch	WVOG-27-I								X
2021	C	Lower Guyandotte	Ninemile Creek	Ninemile Creek	WVOG-31								X
2021	C	Lower Guyandotte	Ninemile Creek	Hager Fork	WVOG-31-0.5A								X
2021	C	Lower Guyandotte	Tenmile Creek	Tenmile Creek	WVOG-32			X					X
2021	C	Lower Guyandotte	Fourteenmile Creek	Fourteenmile Creek	WVOG-34								X
2021	C	Lower Guyandotte	Fourteenmile Creek	Lick Branch	WVOG-34-A								X

2021	C	Lower Guyandotte	Fourteenmile Creek	East Fork/Fourteenmile Creek	WVOG-34-B											X
Year	Group	Watershed	Sub-basin	Stream	Code	pH	DO	Fe	Al	Be	Se	Mn	FC			
2021	C	Lower Guyandotte	Fourteenmile Creek	Sulphur Spring Fork	WVOG-34-D								X			
2021	C	Lower Guyandotte	Aarons Creek	Aarons Creek	WVOG-35								X			
2021	C	Lower Guyandotte	Hamilton Creek	Hamilton Creek	WVOG-36								X			
2021	C	Lower Guyandotte	Little Ugly Creek	Little Ugly Creek	WVOG-37								X			
2021	C	Lower Guyandotte	Big Ugly Creek	Big Ugly Creek	WVOG-38								X			
2021	C	Lower Guyandotte	Big Ugly Creek	Laurel Creek	WVOG-38-D								X			
2021	C	Lower Guyandotte	Big Ugly Creek	Sulphur Creek	WVOG-38-G								X			
2021	C	Lower Guyandotte	Big Ugly Creek	Broad Branch	WVOG-38-J								X			
2021	C	Lower Guyandotte	Big Ugly Creek	Lefthand Creek	WVOG-38-K								X			
2021	C	Lower Guyandotte	Big Ugly Creek	Fawn Hollow	WVOG-38-M						X					
2021	C	Lower Guyandotte	Sand Creek	Sand Creek	WVOG-40								X			
2021	C	Lower Guyandotte	Dry Run	Dry Run	WVOG-41								X			
2021	C	Lower Guyandotte	Little Harts Creek	Little Harts Creek	WVOG-42								X			
2021	C	Lower Guyandotte	Little Harts Creek	Short Bend Fork	WVOG-42-A								X			
2021	C	Lower Guyandotte	Little Harts Creek	Laurel Fork	WVOG-42-C								X			
2021	C	Lower Guyandotte	Little Harts Creek	Mudlick Branch	WVOG-42-D								X			
2021	C	Lower Guyandotte	Big Harts Creek	Big Harts Creek	WVOG-44								X			
2021	C	Lower Guyandotte	Big Harts Creek	West Fork/Big Harts Creek	WVOG-44-A								X			
2021	C	Lower Guyandotte	Big Harts Creek	Piney Fork	WVOG-44-A-1								X			
2021	C	Lower Guyandotte	Big Harts Creek	Marsh Fork	WVOG-44-A-2								X			
2021	C	Lower Guyandotte	Big Harts Creek	Workman Fork	WVOG-44-A-3								X			
2021	C	Lower Guyandotte	Big Harts Creek	Big Branch	WVOG-44-B								X			
2021	C	Lower Guyandotte	Big Harts Creek	Caney Branch	WVOG-44-C.3								X			
2021	C	Lower Guyandotte	Big Harts Creek	Thompson Branch	WVOG-44-C.7								X			
2021	C	Lower Guyandotte	Big Harts Creek	Rockhouse Fork	WVOG-44-D				X				X			
2021	C	Lower Guyandotte	Big Harts Creek	Smokehouse Fork	WVOG-44-E								X			
2021	C	Lower Guyandotte	Big Harts Creek	Browns Run	WVOG-44-E-1								X			
2021	C	Lower Guyandotte	Big Harts Creek	White Oak Branch	WVOG-44-E-2								X			
2021	C	Lower Guyandotte	Big Harts Creek	Trace Fork	WVOG-44-F								X			
2021	C	Lower Guyandotte	Big Harts Creek	Ivy Branch	WVOG-44-F-3								X			
2021	C	Lower Guyandotte	Big Harts Creek	Buck Fork	WVOG-44-G								X			
2021	C	Lower Guyandotte	Big Harts Creek	Hoover Fork	WVOG-44-H								X			
2021	C	Lower Guyandotte	Big Harts Creek	Henderson Branch	WVOG-44-I								X			
2021	C	Lower Guyandotte	Big Harts Creek	Bulwark Branch	WVOG-44-K								X			
2021	C	Lower Guyandotte	Green Shoals Branch	Green Shoals Branch	WVOG-45								X			

Year	Group	Watershed	Sub-basin	Stream	Code	pH	DO	Fe	Al	Be	Se	Mn	FC
2021	C	Lower Guyandotte	Abbott Branch	Abbott Branch	WVOG-46								X
2021	C	Lower Guyandotte	Limestone Branch	Limestone Branch	WVOG-48			X					X
2021	C	Lower Guyandotte	Big Creek	Big Creek	WVOG-49								X
2021	C	Lower Guyandotte	Big Creek	Ed Stone Branch	WVOG-49-A								X
2021	C	Lower Guyandotte	Big Creek	North Branch/Ed Stone Branch	WVOG-49-A-1								X
2021	C	Lower Guyandotte	Big Creek	North Fork/Big Creek	WVOG-49-B								X
2021	C	Lower Guyandotte	Big Creek	Chapman Branch	WVOG-49-B-1								X
2021	C	Lower Guyandotte	Big Creek	Harmon Branch	WVOG-49-B-2								X
2021	C	Lower Guyandotte	Big Creek	Ellis Fork	WVOG-49-B-3								X
2021	C	Lower Guyandotte	Big Creek	UNT/Big Creek RM 3.28	WVOG-49-C.1	X			X				
2021	C	Lower Guyandotte	Big Creek	Trace Fork	WVOG-49-D								X
2021	C	Lower Guyandotte	Big Creek	Hurricane Branch	WVOG-49-D-1								X
2021	C	Lower Guyandotte	Big Creek	Garrett Fork	WVOG-49-E								X
2021	C	Lower Guyandotte	Big Creek	Kanawha Branch	WVOG-49-E-2								X
2021	C	Lower Guyandotte	Big Creek	Hainer Branch	WVOG-49-E-5								X
2021	C	Lower Guyandotte	Crawley Creek	Crawley Creek	WVOG-51			X					X
2021	C	Lower Guyandotte	Crawley Creek	Fowler Branch	WVOG-51.5								X
2021	C	Lower Guyandotte	Crawley Creek	Canoe Fork	WVOG-51-B								X
2021	C	Lower Guyandotte	Crawley Creek	Tims Fork	WVOG-51-F			X					X
2021	C	Lower Guyandotte	Crawley Creek	South Fork/Crawley Creek	WVOG-51-G.5								X
2021	C	Lower Guyandotte	Crawley Creek	Middle Fork/Crawley Creek	WVOG-51-G.5-1								X
2021	C	Lower Guyandotte	Godby Branch	Godby Branch	WVOG-53								X
2021	C	Lower Guyandotte	Caney Branch	Caney Branch	WVOG-54			X					X
2021	C	Lower Guyandotte	WVOG-55	WVOG-55	WVOG-55								X
2021	C	Lower Guyandotte	King Shoal Branch	King Shoal Branch	WVOG-58								X
2021	C	Lower Guyandotte	Mill Creek	Mill Creek	WVOG-59								X
2021	C	Lower Guyandotte	Mill Creek	Long Fork	WVOG-59-C								X
2021	C	Lower Guyandotte	Mill Creek	Butch Fork	WVOG-59-D								X
2021	C	Lower Guyandotte	Big Branch	Big Branch	WVOG-60								X
2021	C	Lower Guyandotte	Buffalo Creek	Buffalo Creek	WVOG-61								X
2021	C	Lower Guyandotte	Snap Creek	Snap Creek	WVOG-62								X
2021	C	Lower Guyandotte	Snap Creek	UNT/Snap Creek RM 0.63	WVOG-62-B			X					X
2021	C	Lower Guyandotte	Crooked Creek	Crooked Creek	WVOG-63								X
2021	C	Lower Guyandotte	Peach Creek	Peach Creek	WVOG-64								X
2021	C	Lower Guyandotte	Mud River	Mud River	WVOGM			X			X		X
2021	C	Lower Guyandotte	Merrick Creek	Merrick Creek	WVOGM-1								X

Year	Group	Watershed	Sub-basin	Stream	Code	pH	DO	Fe	Al	Be	Se	Mn	FC
2021	C	Lower Guyandotte	Merrick Creek	Tanyard Branch	WVOGM-1.5								X
2021	C	Lower Guyandotte	Cyrus Creek	Cyrus Creek	WVOGM-2								X
2021	C	Lower Guyandotte	Big Cabell Creek	Big Cabell Creek	WVOGM-4								X
2021	C	Lower Guyandotte	Big Cabell Creek	Big Hill Hollow	WVOGM-4-I								X
2021	C	Lower Guyandotte	Edmonds Branch	Edmonds Branch	WVOGM-5								X
2021	C	Lower Guyandotte	Fudges Creek	Fudges Creek	WVOGM-6								X
2021	C	Lower Guyandotte	Fudges Creek	Wire Branch	WVOGM-6-0.5A								X
2021	C	Lower Guyandotte	Fudges Creek	Little Fudges Creek	WVOGM-6-A								X
2021	C	Lower Guyandotte	Lower Creek	Lower Creek	WVOGM-7								X
2021	C	Lower Guyandotte	Lower Creek	Tony Branch	WVOGM-7-B-1								X
2021	C	Lower Guyandotte	Mill Creek	Mill Creek	WVOGM-8			X					X
2021	C	Lower Guyandotte	Mill Creek	Long Branch	WVOGM-8-A								X
2021	C	Lower Guyandotte	Mill Creek	Right Fork/Mill Creek	WVOGM-8-C								X
2021	C	Lower Guyandotte	Saunders Creek	Saunders Creek	WVOGM-9								X
2021	C	Lower Guyandotte	Dry Creek	Dry Creek	WVOGM-10								X
2021	C	Lower Guyandotte	Johns Branch	Johns Branch	WVOGM-11								X
2021	C	Lower Guyandotte	Kilgore Creek	Kilgore Creek	WVOGM-12								X
2021	C	Lower Guyandotte	Kilgore Creek	Indian Fork	WVOGM-12-A			X					X
2021	C	Lower Guyandotte	Kilgore Creek	Lee Creek	WVOGM-12-B								X
2021	C	Lower Guyandotte	Kilgore Creek	Little Creek	WVOGM-12-C								X
2021	C	Lower Guyandotte	Brush Creek	Brush Creek	WVOGM-13								X
2021	C	Lower Guyandotte	Charley Creek	Charley Creek	WVOGM-14			X					X
2021	C	Lower Guyandotte	Charley Creek	Panther Lick	WVOGM-14-D								X
2021	C	Lower Guyandotte	Little Twomile Creek	Little Twomile Creek	WVOGM-15								X
2021	C	Lower Guyandotte	Trace Fork	Trace Fork	WVOGM-20		X	X					X
2021	C	Lower Guyandotte	Trace Fork	Coon Creek	WVOGM-20-A			X					X
2021	C	Lower Guyandotte	Trace Fork	Big Creek	WVOGM-20-D								X
2021	C	Lower Guyandotte	Trace Fork	Harvey Creek	WVOGM-20-D-1								X
2021	C	Lower Guyandotte	Trace Fork	Sycamore Creek	WVOGM-20-F								X
2021	C	Lower Guyandotte	Trace Fork	Clymer Creek	WVOGM-20-H								X
2021	C	Lower Guyandotte	Trace Fork	Trace Creek	WVOGM-20-I								X
2021	C	Lower Guyandotte	Trace Fork	Kellys Creek	WVOGM-20-I-1								X
2021	C	Lower Guyandotte	Trace Fork	UNT/Kellys Creek RM 1.27	WVOGM-20-I-1-B								X
2021	C	Lower Guyandotte	Trace Fork	Lick Creek	WVOGM-20-J								X
2021	C	Lower Guyandotte	Trace Fork	Turkey Creek	WVOGM-20-K								X
2021	C	Lower Guyandotte	Trace Fork	Lefthand Fork	WVOGM-20-K-1								X

Year	Group	Watershed	Sub-basin	Stream	Code	pH	DO	Fe	Al	Be	Se	Mn	FC
2021	C	Lower Guyandotte	Trace Fork	Bridge Creek	WVOGM-20-M								X
2021	C	Lower Guyandotte	Trace Fork	Hayzlett Fork	WVOGM-20-R								X
2021	C	Lower Guyandotte	Trace Fork	Joes Creek	WVOGM-20-T			X					X
2021	C	Lower Guyandotte	Trace Fork	Laurel Fork	WVOGM-20-T-1								X
2021	C	Lower Guyandotte	Trace Fork	Tango Branch	WVOGM-20-T-2								X
2021	C	Lower Guyandotte	Trace Fork	Dry Branch	WVOGM-20-W								X
2021	C	Lower Guyandotte	Little Buffalo Creek	Little Buffalo Creek	WVOGM-21								X
2021	C	Lower Guyandotte	Buffalo Creek	Buffalo Creek	WVOGM-22								X
2021	C	Lower Guyandotte	Buffalo Creek	Straight Fork	WVOGM-22-A								X
2021	C	Lower Guyandotte	Middle Fork/Mud River	Middle Fork/Mud River	WVOGM-25			X					X
2021	C	Lower Guyandotte	Middle Fork/Mud River	Meadow Branch	WVOGM-25-A								X
2021	C	Lower Guyandotte	Middle Fork/Mud River	Trace Creek	WVOGM-25-B								X
2021	C	Lower Guyandotte	Middle Fork/Mud River	Middle Creek	WVOGM-25-C								X
2021	C	Lower Guyandotte	Middle Fork/Mud River	Davis Trace Branch	WVOGM-25-D								X
2021	C	Lower Guyandotte	Middle Fork/Mud River	Scary Creek	WVOGM-25-E								X
2021	C	Lower Guyandotte	Middle Fork/Mud River	Merritt Creek	WVOGM-25-F								X
2021	C	Lower Guyandotte	Middle Fork/Mud River	Straight Fork	WVOGM-25-H			X					X
2021	C	Lower Guyandotte	Middle Fork/Mud River	Valley Fork	WVOGM-25-H-1								X
2021	C	Lower Guyandotte	Middle Fork/Mud River	Sugartree Fork	WVOGM-25-I								X
2021	C	Lower Guyandotte	Middle Fork/Mud River	Big Branch	WVOGM-25-I-1								X
2021	C	Lower Guyandotte	Middle Fork/Mud River	Sycamore Fork	WVOGM-25-I-2								X
2021	C	Lower Guyandotte	Middle Fork/Mud River	Sand Fork	WVOGM-25-I-4			X					
2021	C	Lower Guyandotte	Middle Fork/Mud River	Maul Fork	WVOGM-25-I-6								X
2021	C	Lower Guyandotte	Mahone Creek	Mahone Creek	WVOGM-26								X
2021	C	Lower Guyandotte	Big Creek	Big Creek	WVOGM-28								X
2021	C	Lower Guyandotte	Little Laurel Creek	Little Laurel Creek	WVOGM-30								X
2021	C	Lower Guyandotte	Sandlick Branch	Sandlick Branch	WVOGM-31								X
2021	C	Lower Guyandotte	Big Laurel Creek	Big Laurel Creek	WVOGM-33								X
2021	C	Lower Guyandotte	Fez Creek	Fez Creek	WVOGM-34								X
2021	C	Lower Guyandotte	Big Creek	Big Creek	WVOGM-35								X
2021	C	Lower Guyandotte	Parsner Creek	Parsner Creek	WVOGM-38						X		X
2021	C	Lower Guyandotte	Left Fork/Mud River	Left Fork/Mud River	WVOGM-39	X							X
2021	C	Lower Guyandotte	Left Fork/Mud River	Stinson Branch	WVOGM-39-E								X
2021	C	Lower Guyandotte	Left Fork/Mud River	Sycamore Fork	WVOGM-39-G								X
2021	C	Lower Guyandotte	Left Fork/Mud River	Dogbone Branch	WVOGM-39-H								X
2021	C	Lower Guyandotte	Upton Branch	Upton Branch	WVOGM-40								X

Year	Group	Watershed	Sub-basin	Stream	Code	pH	DO	Fe	Al	Be	Se	Mn	FC
2021	C	Lower Guyandotte	Bear Branch	Bear Branch	WVOGM-41								X
2021	C	Lower Guyandotte	Slab Creek	Slab Creek	WVOGM-42								X
2021	C	Lower Guyandotte	Stonecoal Branch	Stonecoal Branch	WVOGM-43						X		
2021	C	Lower Guyandotte	Berry Branch	Berry Branch	WVOGM-44						X		
2021	C	Lower Guyandotte	Mullins Branch	Mullins Branch	WVOGM-45						X		
2021	C	Lower Guyandotte	Connelly Branch	Connelly Branch	WVOGM-46						X		
2021	C	Lower Guyandotte	Sugartree Branch	Sugartree Branch	WVOGM-47						X		
2021	C	Lower Guyandotte	Stanley Fork	Stanley Fork	WVOGM-48						X		
2021	C	Lower Guyandotte	Lukey Fork	Lukey Fork	WVOGM-50			X			X		







## WATERSHED RESOURCES REGISTRY

[WWW.WATERSHEDRESOURCESREGISTRY.ORG](http://WWW.WATERSHEDRESOURCESREGISTRY.ORG)

### PRIORITIZATION TOOL

An interactive online mapping tool that prioritizes areas for preservation and restoration of wetlands, riparian zones, terrestrial areas, and stormwater management control across the state.

Carpendale, W.V.

Carpendale with prioritization models



### Restoration and Preservation Models

- Stormwater
- Terrestrial Habitat
- Wetland
- Riparian
- Site Visits

### Water and Wetlands

- Wetlands
- Flood Hazard Zones
- Land and Soils
- Karst
- Geology

### Mining

- Abandoned Mine Lands
- Mining Reclamation

### Impairments

- 303d Streams
- 319 Watersheds
- NPDS Outfalls

### Boundaries

- Parcels
- Sewer Served Areas
- Protected Lands

This is an interactive online mapping tool that prioritizes areas for preservation and restoration of wetlands, riparian zones, terrestrial areas, and stormwater management control across an entire state. The tool is helpful for a wide variety of purposes but is especially useful for developers, natural resource planners, transportation planners, and others who are required to avoid impacting natural areas or to provide mitigation for any unavoidable impact.

A Watershed Resources Registry (WRR) scores potential restoration and preservation areas on a scale of one to five stars based on their potential benefits. The WRR allows the user to:

- Display a great variety of mapping information in any given location in a state
- Avoid or minimize impacts to high quality aquatic and terrestrial natural areas
- Find candidate locations for mitigation projects nearby or in the same watershed
- Assess and compare potential mitigation projects and
- Print site maps for field visits





## Appendix 6 – Short-term goals (Annual workplan)

WIB's primary goal focuses on planning, development and implementation of comprehensive watershed restoration projects to remove streams from the state's 303(d) list. The difficulty in coordinating a stakeholder driven process to implement voluntary compliance aimed at achieving mandatory water quality objectives is a special challenge. The development of realistic WBPs, effective project proposals, and the implementation of these projects is time consuming. The process requires a great effort and resources from all partners and stakeholders.

The goals and objectives provided below consider a majority of the duties of the Program Coordinators and staff. In order to move our projects, forward WIB will adhere to the stated goals and objectives to the extent possible and use adaptive management techniques to adjust to changes and make appropriate decisions when needed. We will keep USEPA advised of any changes that may need to be made to our goals and objectives. Typically, there is little change from year to year except for the types of watershed projects to which the goals and objectives apply.

### 1. Provide leadership in managing WIB's Programs

#### Objectives

- a. Maintain and update USEPA's GRTS database (semi-annually and as needed).
- b. Participate in workshops, meetings and conferences to promote WIB (as needed).
- c. Manage WIB's grant and process funding invoices submitted by the various partners (as needed).
- d. Submit an annual report to USEPA Region III reflecting the milestones met during the past year (annually).
- e. Submit financial status reports to USEPA Region III on the on-going NPS Program grants (annually).

### 2. Represent the DWWM in multi-agency and stakeholder organizations.

#### Objectives

- a. Represent the DWWM in or lead PTs for priority watersheds (as needed).
- b. Represent WIB on the SPP review committee (as needed).
- c. Participate in the NRCS Agricultural Technical Advisory Committee (quarterly).
- d. Represent DWWM on the WV State Soil Conservation Committee (quarterly).
- e. Represent WIB on Chesapeake Bay Program committees (quarterly).
- f. Participate in ILF Program's Interagency Review Team (quarterly).

### 3. Project management of all watershed projects; includes tasks such as technical guidance, support, oversight and compliance management.

#### Objectives

- a. Coordinate with federal and state agencies partners on all active watershed projects (as needed)
- b. Oversee and work with local project managers, volunteer organizations and other NGOs on all active watershed projects (as needed).
- c. Work with state and federal agencies to leverage funds for specific project match (as needed).
- d. Report on the progress of watershed project proposals, and close-out completed projects (as needed).
- e. Monitor and encourage progress on nonpoint source watershed plans and TMDLs (as needed).

### 4. Coordinate and oversee grant projects relating to nonpoint source issues in non-priority watersheds to foster a better understanding of NPS pollution and gain more recognition for WIB programs.

#### Objectives

- a. Oversee existing AGO projects (as needed).
- b. Work with potential applicants for the development of new AGO projects (as needed).

### 5. Participate and coordinate in the development of workplans and grant proposals in priority watersheds.

#### Objectives

- a. Participate with Project Teams (PTs) to develop watershed project plans for abating sewage contamination in and acid mine drainage in priority watersheds (as needed).
  - b. Coordinate with local PTs and Project Managers on projects providing guidance and technical assistance during the implementation phases (as needed).
  - c. Coordinate and guide watershed associations and other stakeholders in the development and/or revision of WBPs (as needed).
  - d. Develop and submit one success story to the USEPA (annually).
6. Maximize the use of all funds to achieve water quality standards in NPS impaired streams.

#### Objectives

- a. Track implementation success and report restored streams and stream segments to the USEPA (annually).
  - b. Leverage funding from other programs to protect and restore streams impacted by NPS pollution (annually).
7. Establish a targeted monitoring approach for NPS Program projects including baseline, pre and post project to better evaluate the effectiveness of BMPs. Work with WAB and local partners to coordinate monitoring efforts.

#### Objectives

- a. Regional BCs will coordinate, oversee or develop monitoring plans in project areas and potential future project areas (as needed).
  - b. Acquire approved QAPPs for watershed proposals when they are required (as needed).
  - c. Participate in the monitoring required for the NWQI (as needed).
  - d. Support legitimate NPS monitoring efforts in priority watersheds where additional information is needed to determine water quality improvement and to prioritize restoration opportunities (as needed).
8. Participate in and coordinate with the WVWN.

#### Objectives

- a. Support WCD by participating in its organization and coordination, through financial assistance and through NPS Program outreach at the event (annually).
  - b. Work with volunteers through training and AGO grants to build the capacity of local watershed organizations (annually).
9. Coordinate with appropriate agencies, watershed associations and Public Service Districts (PSDs) to address failing on-site wastewater systems.

#### Objectives

- a. Facilitate the implementation of project proposals addressing on-site wastewater systems in the priority areas (as needed).
  - b. Coordinate 319 projects where wastewater has been identified as a concern, with the OSLP (annually).
10. Coordinate with PTs to propose additional funding opportunities and activities to conduct streambank stabilization projects in priority watersheds.

#### Objectives

- a. Coordinate with PTs to develop new proposals for streambank restoration in priority watersheds where WBPs call for sediment reduction (annually).
11. Participate in the Cheat, Monongahela River and other AMD TMDL implementation plans.

### Objectives

- a. Coordinate with the WAB, AML, OSM, FODC, FOC and the River of Promise Committee to implement the TMDLs (quarterly).
- b. Continue to monitor the success of completed projects (as needed).
- c. Coordinate the development of new AMD treatment projects (as needed).
- d. Monitor for water quality standards achievement in portions of the Cheat basin and its tributaries. If the data shows submit it as a candidate for removal from the 303(d) list (as needed).

12. Develop guidelines for an urban runoff management program.

### Objectives

- a. Regional BCs and the SWS will work with local officials and watershed associations to develop LID and green infrastructure proposals when appropriate and provide guidance and technical assistance (as needed).

13. Coordinate with WVCA and NRCS to implement CREP/EQIP programs in priority watersheds.

### Objectives

- a. Act as the DWWM representative on the CREP committee and coordinate with WVCA to provide guidance to NRCS in future National Water Quality Initiative (NWQI) efforts (quarterly).
- b. Work with NRCS, WVCA and local conservation districts to seek diverse funding base for agricultural projects in priority watersheds (as needed).

14. Provide conservation education and information to educators, youth and the public.

### Objectives

- a. Conduct eight nonpoint source or aquatic biology related activities, outdoor classrooms or presentations focusing on youth (as needed).
- b. Participate in water festivals, conferences and other activities to present or conduct nonpoint source education for the public (as needed).

15. Increase capacity for watershed associations to actively participate in and provide leadership for NPS watershed projects.

### Objectives

- a. Provide training for watershed staff and volunteers to address gaps in team memberships and develop a performance agenda (annually).
- b. Work with BCs and watershed associations to identify shortfalls and offer additional training to increase capacity and project management capabilities (as needed).
- c. Monitor and oversee WPP progress. This may include watershed group staff recruitment, capacity building and the development of financial and project related systems to enable project development and implementation. (annually).

## ***GRTS and watershed plan tracking***

### **Objective**

To improve GRTS and the Watershed Plan Tracker (WPT) databases. Work will focus on improving the information in these databases, the structure of the information, and the reports provided through these tracking systems. This work will allow the program to have a more complete, accurate and coordinated program tool to track program expectations and results. The grant amount of \$10,000 will be used to partially fund the work of the USEPA Contractor or Senior Environmental Employee (SEE) working on the GRTS and WPT databases for West Virginia.

### **Description**

A part time Contractor/SEE will work closely with State staff members to enter information into the WPT and GRTS. Specifically, watershed plan/TMDL load reduction goals are calculated from TMDL allocations and key BMP goals are identified from WBPs and entered in the WPT. This step may require a dialogue with the author(s) of the WBPs and state TMDL program to assure that information taken from the WBP is properly interpreted. The next step requires that the implementation data in GRTS be checked to assure that it matches the TMDL boundaries identified in the watershed plan already entered in the WPT. Tracking reports and charts are created in Oracle Business Intelligence (OBI), a companion program.