

Appendices

Appendix 1. Project status FY20-FY24

2024								
Watershed	Organization	Project	Allocation	Amount Encumbered	Amount Spent	Project Balance	Match Budgeted	Match Spent
Program	A-EPA	WV Allocation	\$665,350				\$517,529	
	CRG	Watershed Pilot Program		\$22,500	\$1,875	\$20,625	\$15,061	
	DEP	NPS Statewide Program		\$408,539		\$408,539	\$415,935	
	FotTFR	Tug Fork Watershed Planning		\$39,500	\$3,282	\$36,218	\$26,333	\$1,752
	PCWA	Watershed Pilot Program		\$22,500		\$22,500	\$15,000	
	STTWA	Watershed Pilot Program		\$22,500	\$3,639	\$18,861	\$15,864	
	WVCA	WVCA Statewide NPS Program		\$44,000		\$44,000	\$29,333	
Program Total			\$665,350	\$559,539	\$8,795	\$550,744	\$1,035,055	\$1,752
Watershed	A-EPA	WV Allocation	\$1,216,650	\$ -	\$ -	\$ -	\$835,693	
	CRG	Browns Creek Phase 3		\$200,000	\$ -	\$200,000	\$133,000	
	CVI	Mill Creek Stream Design/Restoration		\$280,169	\$ -	\$280,169	\$186,877	
		Tuscarora Creek Stream Design/Restoration		\$161,031	\$ -	\$161,031	\$111,355	
	FOC	Cheat Canyon Sediment Remediation		\$162,450	\$ -	\$162,450	\$113,000	
	WVCA	Upper Meadow River Phase 2		\$50,000	\$ -	\$50,000	\$49,461	
	WVU NMLRC	Mars Portal Phase 4		\$300,000	\$ -	\$300,000	\$200,000	
Watershed Total			\$1,216,650	\$1,153,650	\$ -	\$1,153,650	\$1,629,386	
Grand Total			\$1,882,000	\$1,713,189	\$8,795	\$1,704,394	\$2,664,441	\$1,752
2023								
Watershed	Organization	Project	Allocation	Amount Encumbered	Amount Spent	Project Balance	Match Budgeted	Match Spent
Program	A-EPA	WV Allocation	\$759,961					
	BRWA	Investigating Swamp Run		\$15,000		\$15,000	\$10,193	
	DEP	NPS Statewide Program		\$528,461		\$528,461	\$414,466	
	Experience Learning	Appalachian Watershed Stream Monitors		\$15,000		\$15,000	\$10,000	\$1,584
	FOB	Beaver Creek Monitoring		\$9,000	-\$9,000	\$18,000	\$4,000	
				\$9,000		\$9,000		\$1,253
	FOC	Hellbender Heros		\$20,000	\$7,113	\$12,887	\$13,250	\$11,002
		Shavers Fork WBP/WPP Development		\$60,500	\$22,906	\$37,594	\$42,000	\$10,000
FODC		AMD System Improvements		-\$36,000		-\$36,000		

				\$18,000		\$18,000	\$12,100	
				\$18,000		\$18,000		
		Marilla Streambank Repair		\$20,000		\$20,000		
	FotTFR	Tug Fork WBP Development		\$60,500	\$60,500		\$24,625	\$4,983
	PCWA	DNA Source Tracking		\$4,000		\$4,000	\$3,000	
	STTWA	NPS Sedimentation and Outreach					\$4,778	
				\$4,989		\$4,989	\$4,778	
	WVCA	NPS Statewide Ag Implementation		\$100,500		\$100,500	\$67,500	
Program Total			\$759,961	\$846,950	\$81,519	\$765,431	\$610,690	\$28,822
Watershed	A-EPA	WV Allocation	\$1,165,539					
	CVI	Mill Creek Survey & Design		\$51,463	\$5,267	\$46,196	\$33,710	\$1,472
	PCWA	Piney Creek Wastewater Phase 2		\$52,250		\$52,250	\$34,833	
	WVCA	Anthony Creek Phase 2		\$150,000		\$150,000	\$100,000	
		Spring Creek Phase 2		\$145,000		\$145,000	\$111,000	
	WVU NMLRC	Lambert Site 8 Phase 2		\$242,073	\$8,200	\$233,873	\$175,000	
		Mars Portals Phase 3		\$300,000	\$2,995	\$297,005	\$200,000	
		Smooth Rock Lick Phase 3		\$224,753	\$15,310	\$209,443	\$155,000	
Watershed Total			\$1,165,539	\$1,165,539	\$31,772	\$1,133,767	\$809,543	\$1,472

2022

Watershed	Organization	Project	Allocation	Amount Encumbered	Amount Spent	Project Balance	Match Budgeted	Match Spent
Program	A-EPA	WV Allocation	\$870,349					
	CDC	Stormwater LID buildouts		\$20,000	\$20,000			
	DEP	NPS Implementation		\$418,456	\$330,239	\$88,217	\$414,466	\$1,133,700
		Southern WV GI Phase 2 Design		\$85,693		\$85,693		\$15,600
		Watershed Plan Tracker		\$10,000	\$10,000			
	FOC	Cheat River monitoring		\$20,000	\$17,257	\$2,743		\$1,241
	MRVA	Bioswale at park						
	WVCA	NPS Implementation		\$156,200		\$156,200	\$104,133	
	WVRC	Integrating SWPP Integration		\$100,000	\$20,482	\$79,518	\$66,667	\$52,148
		TU/WVRC volunteer monitoring		\$15,000	\$27,510	-\$12,510		\$19,919
Program Total			\$870,349	\$825,349	\$425,487	\$399,862	\$585,266	\$1,222,608
Watershed	A-EPA	WV Allocation	\$984,651					
	FOC	Dinkenburg Improvements	\$0	\$173,400	\$36,128	\$137,272	\$116,000	
	FODC	Beulah Chapel Upgrade	\$0	\$262,100	\$4,126	\$257,974	\$175,400	
	PCWA	Wastewater Treatment		\$52,250		\$52,250	\$34,833	\$1,495

	WVU NMLRC	Lambert Site 7 Phase 2 - GWF		\$148,920	\$10,358	\$138,562	\$100,000	
		North Portals Phase 2 - STT		\$197,982	\$45,677	\$152,305	\$130,000	
		Swamp Run Phase 2 - BRWA		\$149,999	\$14,165	\$135,834	\$100,000	
Watershed Total			\$984,651	\$984,651	\$110,453	\$874,198	\$656,233	\$1,495
Grand Total			\$1,855,000	\$1,810,000	\$535,940	\$1,274,060	\$1,241,499	\$1,224,103
2021								
Watershed	Organization	Project	Allocation	Amount Encumbered	Amount Spent	Project Balance	Match Budgeted	Match Spent
Program	A-EPA	WV Allocation	\$554,390					
	BRWC	Bacteria Source Tracking		\$2,750	\$2,750			\$1,323
	BRWA	Septic pumping		\$2,500		\$2,500		\$144
	DEP	NPS Implementation						-\$508,929
				\$375,240	\$355,532	\$19,708	\$174,068	\$682,997
		Watershed Plan Tracker		\$10,000	\$10,000			
	FOC	Roaring Creek - Cheat River WBP		\$52,250	\$30,969	\$21,281	\$35,300	\$894
	FODC	Richard Mine Enhanced Monitoring		\$41,083	\$10,234	\$30,849	\$41,861	
		Richard Mine Monitoring		\$15,226	\$7,676	\$7,550		
	WVCA	NPS Implementation		\$116,900	\$116,900		\$77,933	\$87,400
Program Total			\$554,390	\$615,949	\$534,060	\$81,888	\$329,162	\$263,829
Watershed	A-EPA	WV Allocation	\$1,300,810					\$77,810
	CVI	Tuscarora Creek III		\$95,477	\$48,660	\$46,817	\$63,660	\$55,136
	FOB	Beaver Creek AMD Dom-1		\$132,252	\$40,759	\$91,493	\$111,700	\$146,433
	FOC	Sovern Tom Clark Phase III - CANCELLED					\$131,500	
	FODC	Slabcamp OLD-650 Phase III		\$270,031	\$47,993	\$222,038	\$177,000	
	WVCA	Back Creek Phase IV		\$156,000	\$156,000		\$162,824	\$157,824
		Elks Run Phase III		\$96,800	\$64,573	\$32,227	\$64,780	\$2,231
		Indian Creek III		\$150,000	\$130,717	\$19,283	\$100,000	\$197,626
		Indian Creek IV		\$67,000		\$67,000	\$45,000	
		Mudlick Run of Anderson Run I		\$110,000		\$110,000	\$73,335	\$7,154
		Second Creek VI		\$14,500		\$14,500	\$11,236	\$1,330
	WVU NMLRC	Lambert Run Site 2		\$150,000	\$42,852	\$107,148	\$100,000	
Watershed Total			\$1,300,810	\$1,242,060	\$531,554	\$710,506	\$1,041,035	\$645,544
Grand Total			\$1,855,200	\$1,858,009	\$1,065,615	\$792,394	\$1,370,197	\$909,372

2020

<i>Watershed</i>	<i>Organization</i>	<i>Project</i>	<i>Allocation</i>	<i>Amount Encumbered</i>	<i>Amount Spent</i>	<i>Project Balance</i>	<i>Match Budgeted</i>	<i>Match Spent</i>
Program	A-EPA DEP	WV Allocation	\$546,612					
		GI in Southern WV		\$68,353	\$53,278	\$15,075		
		NPS Implementation		\$363,611	\$363,611		\$314,408	\$922,143
		Rain Garden		\$6,000	\$454	\$5,546		
		Appalachian Watershed Stream Monitors		\$15,000	\$15,000			\$11,380
	FCWA	Rain barrel workshops		\$1,395	\$1,285	\$110	\$1,031	\$1,031
	NRC	Green infrastructure training Total		\$6,800	\$5,164	\$1,636	\$15,500	\$15,500
	PCWA	Rain barrels/nonpoint education		\$3,200	\$2,328	\$872		\$2,987
	STTWA	Beaver Creek WBP		\$10,000	\$3,128	\$6,872	\$6,160	\$4,586
	WSRA	Monitoring		\$2,000	\$1,307	\$693		\$1,894
	WVCA	NPS Implementation		\$68,000	\$57,904	\$10,096	\$45,334	\$45,334
	WVRC	WWN and capacity		\$15,000	\$15,000			\$21,156
Program Total			\$546,612	\$559,359	\$518,458	\$40,901	\$382,433	\$1,026,011
Watershed	A-EPA	WV Allocation	\$1,259,388					
	FOB	Beaver Creek Seep 100-02		\$90,000	\$90,000	\$0	\$121,000	\$38,099
	FOC	Sovern 62 to replace Tom Clark		\$172,937	\$259,251	-\$86,315	\$120,500	\$148,190
		Sovern Tom Clark Passive Treatment		\$11,781	\$11,781		\$141,500	
	FODC	Dillan Creek Phase II			\$5,099	-\$5,099	\$127,500	\$4,420
		Marilla Gully Sedimentation		\$224,126	\$81,665	\$142,461		\$95,400
	PCWA	Little League Convention Center 2		\$97,132	\$112,132	-\$15,000	\$64,750	\$91,901
	WVCA	Anthony Creek septic & riparian BMPs		\$150,000	\$114,329	\$35,671	\$100,000	\$76,840
		Cherry Fork Ag BMPs		\$132,034	\$132,034		\$101,002	\$87,033
		Pipestem Creek Ag BMPs		\$104,503	\$84,503	\$20,000	\$78,444	\$91,905
		Sleepy Creek septic and urban SW		\$92,130	\$81,107	\$11,023	\$64,500	\$82,208
	WVU NMLRC	Lambert Site 7 Passive Treatment		\$65,252	\$65,252		\$42,638	\$42,638
Watershed Total			\$1,259,388	\$1,139,894	\$1,037,153	\$102,741	\$961,834	\$758,634
Grand Total			\$1,806,000	\$1,699,253	\$1,555,611	\$143,642	\$1,344,267	\$1,784,645

Note: The above is based upon the tracking tools utilized by the NPS Program and may not reflect the exact financial status. The expenditures, encumbrances and all financial things are also checked and verified by WVDEP's Fiscal Section.

Appendix 2. BMPs that were implemented in 2024.

FY	NPS#	Subgrantee	Project	Drainage Area Name	HUC12	BMP	Installed	Units	Date
21	1782	WV Conservation Agency	Mudlick Run	Anderson Run	020700010602	Onsite Waste Water Treatment System (Pumpout)	1.0	IU	Sep-24
21	1779	WV Conservation Agency	Back Creek Phase IV	Elk Branch-Back Creek	020700040407	Conservation Easements	80.8	AC	Sep-24
21	1779	WV Conservation Agency	Back Creek Phase IV	Outlet Back Creek	020700040409	Conservation Easements	129.6	AC	Sep-24
21	1780	WV Conservation Agency	Elks Run Phase 3	Elks Run	020700041107	Onsite Waste Water System [Repair/Upkeep]	1.0	IU	Sep-24
21	1780	WV Conservation Agency	Elks Run Phase 3	Elks Run	020700041107	Tree/Shrub Establishment	1.8	AC	Sep-24
23	1825	WV Conservation Agency	WVCA Statewide NPS Program	Skin Creek	050200020102	Nutrient Management	14.6	AC	Sep-24
23	1825	WV Conservation Agency	WVCA Statewide NPS Program	Gnatty Creek	050200020201	Nutrient Management	20.0	AC	Sep-24
23	1825	WV Conservation Agency	WVCA Statewide NPS Program	Outlet Elk Creek	050200020204	Nutrient Management	21.7	AC	Sep-24
23	1825	WV Conservation Agency	WVCA Statewide NPS Program	Hackers Creek	050200020303	Nutrient Management	20.0	AC	Sep-24
23	1825	WV Conservation Agency	WVCA Statewide NPS Program	Outlet Simpson Creek	050200020402	Nutrient Management	20.0	AC	Sep-24
23	1825	WV Conservation Agency	WVCA Statewide NPS Program	Headwaters Tenmile Creek	050200020502	Nutrient Management	20.0	AC	Sep-24
20	1792	Friends of the Cheat	Sovern 62 Improvements	Lower Big Sandy Creek	050200040605	AMD Treatment System	1.0	SYS	Jun-24
20	1792	Friends of the Cheat	Sovern 62 Improvements	Lower Big Sandy Creek	050200040605	AMD: Constructed Wetland Aerobic	4,340.0	SQFT	Jun-24
20	1792	Friends of the Cheat	Sovern 62 Improvements	Lower Big Sandy Creek	050200040605	AMD: Limestone Leach Bed/Pond	2,073.8	SQFT	Jun-24
20	1792	Friends of the Cheat	Sovern 62 Improvements	Lower Big Sandy Creek	050200040605	AMD: Limestone Leach Bed/Pond	6,007.5	SQFT	Jun-24
20	1792	Friends of the Cheat	Sovern 62 Improvements	Lower Big Sandy Creek	050200040605	AMD: Limestone Open Channel	60.0	FT	Jun-24
20	1792	Friends of the Cheat	Sovern 62 Improvements	Lower Big Sandy Creek	050200040605	AMD: Polishing Pond	1,606.5	SQFT	Jun-24
19	1789	Friends of the Cheat	Muddy Creek Phase 2	Lower Big Sandy Creek	050200040605	AMD Treatment System	1.0	SYS	Aug-24
19	1789	Friends of the Cheat	Muddy Creek Phase 2	Lower Big Sandy Creek	050200040605	AMD: Autoflush vertical flow pond	16,327.0	SQFT	Aug-24
19	1789	Friends of the Cheat	Muddy Creek Phase 2	Lower Big Sandy Creek	050200040605	AMD: Autoflush vertical flow pond	14,613.0	SQFT	Aug-24
19	1789	Friends of the Cheat	Muddy Creek Phase 2	Lower Big Sandy Creek	050200040605	AMD: Jennings' vertical flow pond	23,107.0	SQFT	Aug-24
19	1789	Friends of the Cheat	Muddy Creek Phase 2	Lower Big Sandy Creek	050200040605	AMD: Settling pond	17,246.0	SQFT	Aug-24
19	1789	Friends of the Cheat	Muddy Creek Phase 2	Lower Big Sandy Creek	050200040605	AMD: Settling pond	17,681.0	SQFT	Aug-24
19	1789	Friends of the Cheat	Muddy Creek Phase 2	Lower Big Sandy Creek	050200040605	AMD: Polishing Pond	16,819.0	SQFT	Aug-24
23	1825	WV Conservation Agency	WVCA Statewide NPS Program	Muddy Creek	050200060106	Nutrient Management	20.0	AC	Sep-24
23	1825	WV Conservation Agency	WVCA Statewide NPS Program	Salt Block Run-Youghiogheny River	050200060301	Nutrient Management	40.0	AC	Sep-24
23	1825	WV Conservation Agency	WVCA Statewide NPS Program	Tanner Creek	050302031201	Nutrient Management	20.0	AC	Sep-24
21	1781	WV Conservation Agency	Indian Creek 3	Burnside Branch	050500020701	Onsite Waste Water System [Repair/Upkeep]	3	IU	Sep-24
21	1781	WV Conservation Agency	Indian Creek 3	Burnside Branch	050500020701	Onsite Waste Water Treatment System (Pumpout)	2	IU	Sep-24
21	1781	WV Conservation Agency	Indian Creek 3	Burnside Branch	050500020701	Onsite Waste Water System [Repair/Upkeep]	1	IU	May-24
21	1781	WV Conservation Agency	Indian Creek 3	Burnside Branch	050500020701	Onsite Waste Water Treatment System (Pumpout)	1	IU	May-24
21	1781	WV Conservation Agency	Indian Creek 3	Upper Indian Creek	050500020703	Onsite Waste Water System [Repair/Upkeep]	1	IU	May-24
21	1781	WV Conservation Agency	Indian Creek 3	Upper Indian Creek	050500020703	Onsite Waste Water Treatment System (Pumpout)	1	IU	May-24
21	1781	WV Conservation Agency	Indian Creek 3	Middle Indian Creek	050500020704	Onsite Waste Water System [Repair/Upkeep]	4	IU	May-24
21	1781	WV Conservation Agency	Indian Creek 3	Middle Indian Creek	050500020704	Onsite Waste Water Treatment System (Pumpout)	4	IU	May-24
21	1781	WV Conservation Agency	Indian Creek 3	Lower Indian Creek	050500020705	Onsite Waste Water System [Repair/Upkeep]	2	IU	Sep-24
20	1738	WV Conservation Agency	Pipestem Creek	Little Bluestone River-Bluestone River	050500020909	Onsite Waste Water System [Repair/Upkeep]	7	IU	May-24
20	1738	WV Conservation Agency	Pipestem Creek	Little Bluestone River-Bluestone River	050500020909	Onsite Waste Water Treatment System (pumpout)	5	IU	May-24
20	1737	WV Conservation Agency	Anthony Creek 3	Upper Anthony Creek	050500030503	Onsite Waste Water Treatment System (Pumpout)	1	IU	Jun-24
20	1737	WV Conservation Agency	Anthony Creek 3	Middle Anthony Creek	050500030504	Onsite Waste Water System [Repair/Upkeep]	2	IU	Sep-24
20	1737	WV Conservation Agency	Anthony Creek 3	Middle Anthony Creek	050500030504	Riparian Forest Buffer	1200	FT	Jun-24
20	1834	Piney Creek Watershed Assoc.	Piney Creek Wastewater Phase 2	Headwaters Piney Creek	050500040102	Onsite Wastewater Treatment System (New/Existing)	6.0	IU	Sep-24
20	1834	Piney Creek Watershed Assoc.	Piney Creek Wastewater Phase 2	Headwaters Piney Creek	050500040102	Onsite Waste Water Treatment System (Pumpout)	20.0	IU	Sep-24
20	1736	Piney Creek Watershed Assoc.	Little League Convention Center 2	Outlet Piney Creek	050500040103	Raingarden/ bioretention basin	11,569.0	SQFT	Sep-24
20	1739	WV Conservation Agency	Cherry Fork	Headwaters Eighteenmile Creek	050500080401	Onsite Waste Water System [Repair/Upkeep]	1	IU	Sep-24
20	1739	WV Conservation Agency	Cherry Fork	Headwaters Eighteenmile Creek	050500080401	Stream Channel Stabilization	1412	FT	Sep-24

Appendix 3. Load reductions that were achieved in 2024.

FY	NPS#	Subgrantee	Project	Drainage Area	HUC12	Pollutant	LR Estimate	Units	Date
20	1792	Friends of the Cheat	Sovern 62 Improvements	Lower Big Sandy Creek	050200040605	Acidity	1,953.0	LBS/YR	Jun-24
19	1789	Friends of the Cheat	Muddy Creek Phase II	Muddy Creek	050200040703	Acidity	79,774.1	LBS/YR	Jun-24
20	1792	Friends of the Cheat	Sovern 62 Improvements	Lower Big Sandy Creek	050200040605	Metals (Aluminum)	169.4	LBS/YR	Jun-24
18	1789	Friends of the Cheat	Muddy Creek Phase II	Muddy Creek	050200040703	Metals (Aluminum)	8,232.4	LBS/YR	Jun-24
20	1792	Friends of the Cheat	Sovern 62 Improvements	Lower Big Sandy Creek	050200040605	Metals (Iron)	279.6	LBS/YR	Jun-24
19	1789	Friends of the Cheat	Muddy Creek Phase II	Muddy Creek	050200040703	Metals (Iron)	5,126.2	LBS/YR	Jun-24
18	1798	Friends of the Cheat	Muddy Creek Phase II	Muddy Creek	050200040703	Metals (Manganese)	252.8	LBS/YR	Jun-24
23	1825	WV Conservation Agency	WVCA Statewide NPS Program	Skin Creek	050200020102	Nutrients - Nitrogen	973.0	LBS/YR	Sep-24
23	1825	WV Conservation Agency	WVCA Statewide NPS Program	Gnatty Creek	050200020201	Nutrients - Nitrogen	1,333.0	LBS/YR	Sep-24
23	1825	WV Conservation Agency	WVCA Statewide NPS Program	Outlet Elk Creek	050200020204	Nutrients - Nitrogen	1,447.0	LBS/YR	Sep-24
23	1825	WV Conservation Agency	WVCA Statewide NPS Program	Hackers Creek	050200020303	Nutrients - Nitrogen	1,333.0	LBS/YR	Sep-24
23	1825	WV Conservation Agency	WVCA Statewide NPS Program	Outlet Simpson Creek	050200020402	Nutrients - Nitrogen	1,333.0	LBS/YR	Sep-24
23	1825	WV Conservation Agency	WVCA Statewide NPS Program	Headwaters Tenmile Creek	050200020502	Nutrients - Nitrogen	1,333.0	LBS/YR	Sep-24
23	1825	WV Conservation Agency	WVCA Statewide NPS Program	Muddy Creek	050200060106	Nutrients - Nitrogen	1,333.0	LBS/YR	Sep-24
23	1825	WV Conservation Agency	WVCA Statewide NPS Program	Salt Block Run-Youghiogheny River	050200060301	Nutrients - Nitrogen	2,667.0	LBS/YR	Sep-24
23	1825	WV Conservation Agency	WVCA Statewide NPS Program	Tanner Creek	050302031201	Nutrients - Nitrogen	1,333.0	LBS/YR	Sep-24
23	1825	WV Conservation Agency	WVCA Statewide NPS Program	Skin Creek	050200020102	Nutrients - Phosphorus	521.0	LBS/YR	Sep-24
23	1825	WV Conservation Agency	WVCA Statewide NPS Program	Gnatty Creek	050200020201	Nutrients - Phosphorus	714.0	LBS/YR	Sep-24
23	1825	WV Conservation Agency	WVCA Statewide NPS Program	Outlet Elk Creek	050200020204	Nutrients - Phosphorus	775.0	LBS/YR	Sep-24
23	1825	WV Conservation Agency	WVCA Statewide NPS Program	Hackers Creek	050200020303	Nutrients - Phosphorus	714.0	LBS/YR	Sep-24
23	1825	WV Conservation Agency	WVCA Statewide NPS Program	Outlet Simpson Creek	050200020402	Nutrients - Phosphorus	714.0	LBS/YR	Sep-24
23	1825	WV Conservation Agency	WVCA Statewide NPS Program	Headwaters Tenmile Creek	050200020502	Nutrients - Phosphorus	714.0	LBS/YR	Sep-24
23	1825	WV Conservation Agency	WVCA Statewide NPS Program	Muddy Creek	050200060106	Nutrients - Phosphorus	714.0	LBS/YR	Sep-24
23	1825	WV Conservation Agency	WVCA Statewide NPS Program	Salt Block Run-Youghiogheny River	050200060301	Nutrients - Phosphorus	1,429.0	LBS/YR	Sep-24
23	1825	WV Conservation Agency	WVCA Statewide NPS Program	Tanner Creek	050302031201	Nutrients - Phosphorus	714.0	LBS/YR	Sep-24
21	1782	WV Conservation Agency	Mudlick Run	Anderson Run	020700010602	Pathogens (Coliform)	3.67E+08	CFU/YEAR	Sep-24
20	1735	WV Conservation Agency	Sleepy Creek VI	Middle Sleepy Creek	020700040203	Pathogens (Coliform)	1.24E+10	CFU/YEAR	May-24
21	1780	WV Conservation Agency	Elks Run Phase III	Elks Run	020700041107	Pathogens (Coliform)	1.23E+10	CFU/YEAR	Sep-24
21	1781	WV Conservation Agency	Indain Creek Phase 3	Burnside Branch	050500020701	Pathogens (Coliform)	8.30E+09	CFU/YEAR	Sep-25
21	1781	WV Conservation Agency	Indain Creek Phase 3	Burnside Branch	050500020701	Pathogens (Coliform)	4.93E+10	CFU/YEAR	Sep-25
21	1781	WV Conservation Agency	Indain Creek Phase 3	Burnside Branch	050500020701	Pathogens (Coliform)	4.15E+09	CFU/YEAR	May-25
21	1781	WV Conservation Agency	Indain Creek Phase 3	Burnside Branch	050500020701	Pathogens (Coliform)	1.66E+10	CFU/YEAR	May-25
21	1781	WV Conservation Agency	Indain Creek Phase 3	Upper Indian Creek	050500020703	Pathogens (Coliform)	4.15E+09	CFU/YEAR	May-25
21	1781	WV Conservation Agency	Indain Creek Phase 3	Upper Indian Creek	050500020703	Pathogens (Coliform)	1.66E+10	CFU/YEAR	May-25
21	1781	WV Conservation Agency	Indain Creek Phase 3	Middle Indian Creek	050500020704	Pathogens (Coliform)	6.64E+10	CFU/YEAR	May-25
21	1781	WV Conservation Agency	Indain Creek Phase 3	Lower Indian Creek	050500020705	Pathogens (Coliform)	1.64E+10	CFU/YEAR	Sep-25
20	1738	WV Conservation Agency	Pipestem Creek	Little Bluestone River-Bluestone River	050500020909	Pathogens (Coliform)	4.18E+11	CFU/YEAR	May-24
20	1738	WV Conservation Agency	Pipestem Creek	Little Bluestone River-Bluestone River	050500020909	Pathogens (Coliform)	1.44E+11	CFU/YEAR	Sep-24
20	1737	WV Conservation Agency	Anthony Creek 3	Upper Anthony Creek	050500030503	Pathogens (Coliform)	4.15E+09	CFU/YEAR	May-24
20	1737	WV Conservation Agency	Anthony Creek 3	Upper Anthony Creek	050500030503	Pathogens (Coliform)	3.30E+10	CFU/YEAR	Sep-24
20	1737	WV Conservation Agency	Anthony Creek 3	Middle Anthony Creek	050500030504	Pathogens (Coliform)	4.06E+10	CFU/YEAR	Sep-24
23	1834	Piney Creek Watershed Assoc.	Piney Creek Wastewater Phase II	Headwaters Piney Creek	050500040102	Pathogens (Coliform)	2.63E+11	CFU/YEAR	Sep-24
20	1739	WV Conservation Agency	Cherry Fork	Headwaters Eighteenmile Creek	050500080401	Pathogens (Coliform)	1.64E+10	CFU/YEAR	Sep-24
20	1739	WV Conservation Agency	Cherry Fork	Headwaters Eighteenmile Creek	050500080401	Pathogens (Coliform)	1.71E+09	CFU/YEAR	Sep-24
21	1780	WV Conservation Agency	Elks Run Phase III	Elks Run	020700041107	Sedimentation-Siltation	620.0	LBS/YR	Sep-24
20	1737	WV Conservation Agency	Anthony Creek Ag BMPs	Middle Anthony Creek	050500030504	Sedimentation-Siltation	398,200.0	LBS/YR	Sep-24
20	1736	Piney Creek Watershed Assoc.	Little League Convention Center II	Outlet Piney Creek	050500040103	Sedimentation-Siltation	4,000.0	LBS/YR	Sep-24
20	1739	WV Conservation Agency	Cherry Fork	Headwaters Eighteenmile Creek	050500080401	Sedimentation-Siltation	5,800.0	LBS/YR	Sep-24

Appendix 4. Summary progress of West Virginia's NPSMP

Administration	Status	Comments
Provide leadership in managing the NPS Program		The majority of these are annual goals that are consistent with §319 workplans. Each of these goals are either complete or progress was satisfactory except for the urban runoff management program. However, two projects, one funded by §319 and the other with CB funding, assisted two communities in the planning and design of green infrastructure projects for their communities. The next phase is to find funding to support the projects. The WVWN and WPP were the main vehicles for building watershed capacity.
Represent the DWWM in multi-agency and stakeholder organizations		
Project management of all watershed projects includes tasks such as technical guidance, support, and oversight and compliance management.		
Coordinate and oversee NPS Program grant projects relating to nonpoint source issues in non-priority watersheds to foster a better understanding of NPS pollution, as well as more recognition for the NPS Program.		
Participate and coordinate in the development of work plans and grant proposals in priority watersheds.		
Maximize the use of all funds to achieve water quality standards in NPS impaired streams		
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.		
Participate in and coordinate with the WVWN.		
Coordinate with appropriate agencies, watershed associations and Public Service Districts to address failing on-site wastewater systems.		
Coordinate with project teams to propose additional funding opportunities and activities to conduct streambank stabilization projects in priority watersheds.		
Participate in the Cheat and Monongahela River TMDL implementation plans		
Develop guidelines for an urban runoff management program that promotes low impact development practices		
Coordinate with WVCA and NRCS to implement CREP/EQIP programs in priority watersheds		
Provide conservation education and information to educators, youth, and the public		
Increase capacity for watershed associations to actively participate in and provide leadership for NPS watershed projects		
Watershed Management	Status	Comments
Conduct restoration activities and BMP implementation in priority watersheds with the goal of achieving load reductions that will meet their designated uses by 2025.		WBP activity is on-going driven by local stakeholders, agency, and NGO support. Multiple WBPs were approved, and we are working on source water, WBP integration efforts. New and revised plans are being developed in the Potomac, Cheat and Tug Fork watersheds. Recent monitoring suggests that Second Creek is nearing completion. We have not successfully developed WBPs in the Ohio River basins but will have one in 2025.
By 2020 develop two-four new WBPs in priority areas as designated by the Watershed Management Framework and TMDL processes.		
Every two years evaluate the progress and revise existing active WBPs as needed.		
By 2020 complete the proposed watershed projects and achieve the required load reductions (LRs) that will meet the designated uses in three existing WBPs.		
Every two years or more frequently when needed or requested by EPA, report on active WBPs in accordance with the milestones established in approved plans		
By 2020 target priority basins in the Little Kanawha, Upper, Middle and Lower Ohio for the development of two new WBPs		
Support and encourage the remediation of watersheds impacted by wastewater in priority watershed and on a statewide basis by promoting the statewide efforts of the CWSRF and Agricultural Loan Programs.		
Provide funding and technical assistance within priority watersheds and on a statewide basis to stream restoration projects that restore the streams natural hydrologic conditions and reduce sedimentation.		

Support and encourage the protection of healthy watersheds and work with local stakeholders to educate their communities on their importance. This includes waters identified as high quality and outstanding national resources, as well as those that remain high quality but may be threatened by NPS pollutants.		
If there is local stakeholder interest, funding and agency support, a Watershed Protection Plan (WPP) will be developed to protect high value water bodies identified as Tier 3. The goal is to develop one WPP within the next five years		WPP is a priority, particularly in WV's Chesapeake Bay counties. WV currently has two WPPs, one is active (Back Creek) the other has been challenging (Upper Elk). There may be future WPP opportunities in association with WMA's. EPA's RPS tool has helped to identify these opportunities. Multiple CEPs have been implemented in the Back Creek watershed.
If there is local stakeholder interest, funding and agency support efforts will be made to protect high priority wetland and riparian areas and other high value watershed resources, including water quality reference streams, in priority restoration and protection watersheds. The goal is to engage land trust, local landowners, and others to implement conservation easement protection (CEP). The goal is to develop two-four CEPs within each of the approved WPPs within the next five years		
Support the development of the WWAPP tool and encourage WVDEP to develop statewide criteria to define healthy waters that will ensure better protection of high quality watersheds		

Agriculture	Status	Comments
Target statewide opportunities and priority watersheds promote the conservation of cropland, pastureland, and other land within the agriculture community through technical assistance, BMP implementation, conservation planning, nutrient management, monitoring, and education.		
Every two-years develop 10 Conservation Plans under the Farm Bill Programs		Nearly all goals have been exceeded or nearly so. Where numbers are lower the goal is expected to be met soon. The Ag WQLP hasn't been promoted but has recently gained some attention in publications etc. WVDEP's CWSRLF and WVCA plans to put additional emphasis on the program. Some interagency discussion regarding the Ag loan program have occurred.
Every five years 25 nutrient management plans will be written or reviewed managing the estimates provided in Table 7 for pounds/year of nitrogen and phosphorus through the implementation of BMPs		
Every five years provide technical assistance to 25 agriculture producers with the development, protection, stabilization and/or maintenance of riparian areas or with resource management advice that protects surface water		
Provide estimated reduction of sediment from stabilization/restoration of failing streambank, etc.		
Provide estimated sediment reductions due in part to changes in management schemes; rotational grazing, exclusion, etc.		
Provide information on the Agriculture Water Quality Loan Program to 10 agricultural landowners on an annual basis.		
Manage pesticides to protect surface and groundwater.		
Every two years coordinate pesticide collection to protect surface and ground water in cooperation with WVDA		Efforts have been delayed due to turnover/covid and budget restraints within the WVDA.
By 2020 organize a minimum two pesticide collection pickup by in cooperation with WVU Extension and the WVDA.		
Support monitoring programs in priority watersheds impaired by agricultural nonpoint pollutants.		
WVCA staff will assist landowners, watershed associations and partner agencies with stream monitoring activities in priority watersheds as needed.		Goals complete and efforts are on-going.
Provide education and technical assistance on stormwater BMPs.		
From 2015-2020 provide five stormwater workshops or demonstration projects		These goals have been exceeded. However, position turnover and organizational changes will affect future efforts.
By 2018, we present 20 stormwater management workshops across the state.		
By 2016 provide technical advice regarding stormwater management quality and/or quantity issues to 20 clients.		

Stormwater	Status	Comments
Improve and protect West Virginia's soil and water resources by reducing the amount of erosion from earthwork sites through education and technical assistance.		
Provide technical assistance and/or information to 2,500 attendees at the WV Construction & Design Exposition over the course of five years through an informational display booth with technicians on hand to answer questions		Estimated numbers are down. The average is > 10 ECPs/yr primarily because of more local contractual assistance to smaller MS4s. Most likely this service will not continue.
Every two years review and/or provide advice with writing 40 construction erosion and sediment control plans with estimates of soil saved		

Resource Extraction	Status	Comments
If funding allows, the NPS Program will coordinate to the extent possible with DEP's OAMLR, OSR, OO&G and WVDOF on future project opportunities in watersheds impaired by resource extraction activities.		
Where projects align with current WBPs, or where TMDLs and other sources of information suggest alternate WBPs could be developed to fully restore smaller impacted watersheds; the NPS Program will partner with local stakeholders, our agency and partner agencies to develop restoration projects.		NPS projects continue to receive support from OSM-WCAP; however, AML funds have been limited. The most significant contribution is the investment in the Muddy Creek watershed. The infrastructure bill may provide opportunities to make significant future progress.
If funding allows, the NPS Program will partner with DEP's mining program and the federal OSM to provide support for long-term operation and maintenance of passive and active AMD treatment		

Support the WVDOF in their administration of the Logging and Sediment Control Act (LSCA), which reduces the potential impacts to water quality from forestry operations. The NPS Program will work with the WVDOF to support LSCA activities, the objectives listed below as well as other activities that promote the protection of water quality from NPS pollution; however, WVDOF is the primary agency for implementing all forestry management activities.		
Every three years participate in the Forestry BMP Committee that updates and revises the WVDOF BMP Manual		WVDOF layoffs have impacted NPS inspections related to LSCA and other incentives. NPS remains committed and is still a partner. AGO funding supported a WVU/WVDOF study.
Increase community/landowner involvement with Urban Forestry Program, Stewardship Incentive Program (SIP) and Forest Incentive Program		
Encourage proper forestry management on all forest lands, which will ensure a productive forest and enhance water quality		

Chesapeake Bay Program	Status	Comments
WV is a headwater state for the Chesapeake Bay watershed and the NPS Program will support the goals of the CB Agreement by serving on committees, participating in regular meetings and calls, and providing input to the future development of the Bay TMDL and models. The NPS Program will also work on specific objectives that support the general goals of the CB Program.		
Implement local TMDL WBPs and CB WIP to reduce nutrients, sediment and fecal coliform to local waters and the Chesapeake Bay		WVDEP staff continue to participate in project teams implementing WBPs and identifying CB funding opportunities. CB Program progress has been good and is on-going. There are no CAFOs.
Participate in the development of local TMDLs in Warm Springs Run and Rocky Marsh Run to enhance TMDL/NP coordination by identifying opportunities to incorporate information needed for WBP development		
Continue to work with local governments to incorporate post construction stormwater requirements in local ordinances		
Continue implementation of agriculture BMPs and WV NPDES CAFO permitting and enforcement consistent with the WIP and WBPs		

Progress legend

Status	Notes
Complete	In some cases, complete may refer to on-going particularly if the milestone is an annual goal.
Progress made	
No progress	

Appendix 5. West Virginia's NPSMP load reduction goals.

5-year goal	350	180,000	400,000	300,000	20,000	2.00E+15
units	lbs/yr	lbs/yr	lbs/yr	lbs/yr	tons/yr	CFU
Pollutants	Acidity	Total Metals	Nitrogen	Phosphorus	Sediment	Pathogens
2019		12	532,240	185,812	3	2.84E+14
2020	47	14,921	292,151	276,030	53	2.58E+13
2021	73	23,048	620	448	56	1.07E+13
2022	30,359	3,825	97,766	114,547	448	1.89E+13
2023	11,659	2,404				2.12E+13
2024	81,727	14,060	13,085	7,009	204	1.13E+12
Totals	123,865	58,270	935,862	583,846	764	3.62E+14
% Difference	+198.9	- 102.2	+80.2	+64.2	-185.2	+138.7

Overall % Difference (+194.6)

Key: Over Under