

Appendices

Appendix 1. Project status FY19-FY23

Cancelled	Complete	Note: Match and totals are included at the end of the project status table.		
Org	FY 2019	NPS#	Awards	
NPS Program			\$559,932	32.0%
WVDEP	WVDEP Statewide NPS Program		\$340,260	
WVCA	WVCA Statewide NPS Program	1709	\$65,000	
EPA	Watershed Plan Tracking EPA in-kind		\$10,000	
WVRC	WVRC Integrating SW and WBP II	1723	\$80,000	
FOC	AGO - Monitoring and maintenance	1751	\$14,500	
FODC	AGO - Stream data loggers	1752	\$9,800	
TU	AGO - Increasing riparian delivery	1753	\$14,000	
WVRC	AGO - WV Watershed Network	1755	\$10,000	
Watershed Projects			\$1,190,064	68.0%
FOC	Muddy Creek Dream Mountain II	1789	\$127,691	
FODC	Marilla Park Restoration	1702	\$118,121	
FODC	Dillan Creek Remediation Phase 1	1823	\$193,066	
FODC	Slabcamp Run AMD Phase I	1703	-\$193,067	
WVURC/STTWA	Roaring Creek N. Portal	1704	\$302,876	
PCWA	Crescent Elementary SW	1705	\$122,429	
WVCA	Indian Creek II	1706	\$121,770	
WVCA	Mill Creek Meadow River	1707	\$111,200	
WVCA	Second Creek III	1708	\$127,000	
Org	FY 2020	NPS#	Awards	
NPS Program			\$546,612	30.3%
WVDEP	WVDEP Statewide NPS Program		\$363,620	
WVCA	WVCA Statewide NPS Program	1729	\$68,000	
WVDEP	Rain garden		\$6,000	
WVDEP	GI in southern WV		\$68,353	
STTWA	Beaver Creek WBP Development	1730	\$10,000	
EL	AGO - Appalachian Watershed Stream Monitors	1809	\$15,000	
FCWA	AGO - Rain barrel workshop	1816	\$1,395	
NRC	AGO - Green infrastructure training	1812	\$6,800	
PCWA	AGO - Rain barrel/nonpoint education	1808	\$3,200	
WSWA	AGO - Warm Springs Run monitoring/weather	1814	\$2,000	
WVRN	AGO - WVWN/Capacity	1806	\$15,000	
Watershed Projects			\$1,259,388	69.7%
FOB	Beaver Creek Seep 100-02	1731	\$182,211	
FOC	Sovern Tom Clark Passive Treatment	1732	\$11,781	
FOC	Sovern 62 Improvements	1792	\$173,940	
FODC	Dillian Creek Pase 2 (Soon to change)	1733	-\$191,500	
FODC	Marilla Gulley Sediment Restoration	1824	\$191,500	
WVURC/GWF	Lambert Site 7 Passive Treatment	1734	\$65,252	
WVCA	Sleepy Creek VI	1735	\$92,130	
PCWA	Little League Convention Center II	1736	\$97,132	
WVCA	Anthony Creek Ag BMPs	1737	\$150,000	

FY 20 continued

WVCA	Pipestem Creek Ag BMPs	1738		\$117,663	
WVCA	Cherry Fork Ag BMPs	1739		\$151,500	
Org	FY 2021	NPS#		Awards	
NPS Program				\$554,390	29.9%
WVDEP	WVDEP Statewide NPS Program			\$375,240	
WVCA	WVCA Statewide NPS Program	1788		\$116,900	
FOC	Roaring Creek - Cheat WBP	1818		\$52,250	
EPA	EPA Watershed Tracker support			\$10,000	
BRWA	AGO - Septic pumping	1813		\$2,500	
BRWC	AGO - Bacteria source tracking	1815		\$2,750	
FODC	AGO - Richard mine monitoring	1807		\$15,226	
Watershed Projects				\$1,300,810	70.1%
CVI	Tuscarora Creek Phase III	1783		\$95,477	
FOB	Beaver Creek AMD	1784		\$132,252	
FOC	Sovern Tom Clark Phase III	1785		(\$192,500)	
FODC	Slabcamp OLC-650 Phase III	1786		\$270,031	
FODC	Richard mine - Deckers Creek monitoring	1819		\$41,083	
WVCA	Back Creek Phase IV	1779		\$156,000	
WVCA	Elks Run Phase III	1780		\$96,800	
WVCA	Indian Creek III	1781		\$150,000	
WVCA	Indian Creek IV	1820		\$67,000	
WVCA	Second Creek VI	1817		\$14,500	
WVCA	Mudlick Run of Anderson Run I	1782		\$110,000	
WVURC/GWF	Lambert Run Site 2	1787		\$150,000	
Org	FY 2022	NPS#		Awards	
NPS Program				\$870,349	46.9%
WVDEP	WVDEP Statewide NPS Program			\$418,456	
WVDEP	GI implementation	1836		\$85,893	
WVCA	WVCA Statewide NPS Program	1795		\$156,200	
WVRC	SWP and WBP integration	1796		\$100,000	
EPA	EPA Watershed Tracker support			\$10,000	
MRVA	AGO - Bio-swale at the park	1811		-\$15,918	
CDC	AGO - West Edge rain garden	1805		\$20,000	
FOC	AGO - Cheat River monitoring	1804		\$20,000	
WVRC	AGO - WVRC volunteer monitoring	1810		\$15,000	
Watershed Projects				\$984,651	53.1%
FOC	Dinkenberger improvements	1797		\$173,400	
WVURC/GWF	Lambert Site 7 - Phase II	1799		\$148,920	
WVURC/STTWA	North Portals - Phase II	1800		\$197,982	
WVURC/BRWA	Swamp Run - Phase II	1801		\$149,999	
FODC	Beulah Chapel upgrades	1798		\$262,100	
PCWA	Piney Creek wastewater treatment	1802		\$52,250	
Org	FY 2023	NPS#		Awards	
Nonpoint Funds				\$759,961	39.5%
WVDEP-WIB	WVDEP §319 Statewide Program			\$528,461	
WVCA	WVCA §319 Statewide Program	1825		\$100,500	
FOC	Shavers Fork WPP	1826		\$60,500	
FotTFR	Tug Fork WBP	1827		\$60,500	
EPA	EPA Watershed Tracker (in-kind)			\$10,000	

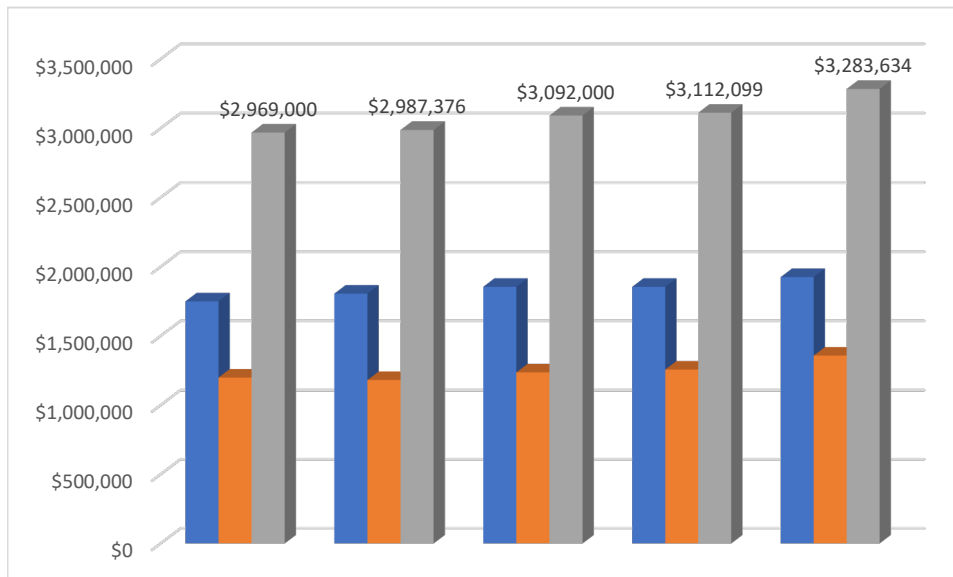
FY23 continued

Additional Grant Opportunities			\$119,246	
FODC	Marilla Streambank Repair	1835		\$20,000
	Other AGOs yet to be awarded			
Watershed Projects			\$1,165,539	60.5%
WVCA	Anthony Creek Phase 2	1828		\$150,000
WVCA	Spring Creek Phase 2	1829		\$145,000
WVWRI-GWF	Lambert Site 8 - Phase 2	1830		\$242,073
WVWRI-STTWA	Mars Portals Phase 3	1831		\$300,000
WVWRI-BRWA	Smooth Rock Lick Phase 3	1832		\$224,753
CVI	Mill Creek restoration design/survey	1833		\$51,463
PCWA	Piney Creek Wastewater Phase 2	1834		\$52,250

FY19 – FY23 \$319 awards including match.

FY	\$319 allocation	Budgeted match	Spent match	Total
19	\$1,749,996	\$1,199,088	\$1,219,004	\$2,969,000
20	\$1,806,000	\$1,181,376		<i>\$2,987,376</i>
21	\$1,855,200	\$1,236,800		<i>\$3,092,000</i>
22	\$1,855,000	\$1,257,099		<i>\$3,112,099</i>
23	\$1,925,500	\$1,358,134		<i>\$3,283,634</i>

Funds spent for FY19 were shown in [Table 1](#). The above totals are from the workplans. The match in FY20-23 are not yet final and projected totals are *italicized*. The graphical representation below clearly shows the upward trends. There is a +10% difference when comparing *FY19* vs. *FY23*.



Appendix 2. BMPs that were implemented in 2023.

Year	GRTS#	NPS#	Subgrantee	Project	Basin	HUC12	BMP	Imp#	Unit
19	14	NPS1823	FODC	Dillan Creek Phase I	Headwaters Deckers Creek	050200030201	Open limestone channel	277	FT
19	14	NPS1823	FODC	Dillan Creek Phase I	Headwaters Deckers Creek	050200030201	AMD treatment system	1	IU
19	5	NPS1705	PCWA	Crescent Elementary	Headwaters Piney Creek	050500040102	Infiltration Basin	194	CY
21	8	NPS1780	WVCA	Elks Run Phase III	Elks Run	020700041107	Raingarden/ bioretention basin	0.22	AC
21	8	NPS1780	WVCA	Elks Run Phase III	Elks Run	020700041107	Tree/Shrub Establishment	0.18	AC
19	6	NPS1706	WVCA	Burnside Branch - Indian Creek	Burnside Branch	050500020701	Wastewater (pumpout)	2	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Burnside Branch	050500020701	Wastewater (pumpout)	1	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Burnside Branch	050500020701	Wastewater (pumpout)	4	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Burnside Branch	050500020701	Wastewater (pumpout)	6	IU
19	6	NPS1706	WVCA	Burnside Branch - Indian Creek	Burnside Branch	050500020701	Wastewater (pumpout)	3	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Burnside Branch	050500020701	Wastewater (pumpout)	1	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Burnside Branch	050500020701	Wastewater (pumpout)	3	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Lower Indian Creek	050500020705	Wastewater (pumpout)	1	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Lower Indian Creek	050500020705	Wastewater (pumpout)	4	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Lower Indian Creek	050500020705	Wastewater (pumpout)	6	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Lower Indian Creek	050500020705	Wastewater (pumpout)	1	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Lower Indian Creek	050500020705	Wastewater (pumpout)	3	IU
20	7	NPS1735	WVCA	Sleepy Creek VI	Lower Sleepy Creek	020700040205	Wastewater (pumpout)	1	IU
20	7	NPS1735	WVCA	Sleepy Creek VI	Lower Sleepy Creek	020700040205	Wastewater (pumpout)	5	IU
20	7	NPS1735	WVCA	Sleepy Creek VI	Lower Sleepy Creek	020700040205	Wastewater (pumpout)	1	IU
20	7	NPS1735	WVCA	Sleepy Creek VI	Lower Sleepy Creek	020700040205	Wastewater (pumpout)	2	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Middle Indian Creek	050500020704	Wastewater (pumpout)	1	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Middle Indian Creek	050500020704	Wastewater (pumpout)	4	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Middle Indian Creek	050500020704	Wastewater (pumpout)	6	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Middle Indian Creek	050500020704	Wastewater (pumpout)	1	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Middle Indian Creek	050500020704	Wastewater (pumpout)	3	IU
20	7	NPS1735	WVCA	Sleepy Creek VI	Middle Sleepy Creek	020700040203	Wastewater (pumpout)	1	IU
20	7	NPS1735	WVCA	Sleepy Creek VI	Middle Sleepy Creek	020700040203	Wastewater (pumpout)	5	IU
20	7	NPS1735	WVCA	Sleepy Creek VI	Middle Sleepy Creek	020700040203	Wastewater (pumpout)	1	IU
20	7	NPS1735	WVCA	Sleepy Creek VI	Middle Sleepy Creek	020700040203	Wastewater (pumpout)	2	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Rock Camp Creek	050500020702	Wastewater (pumpout)	1	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Rock Camp Creek	050500020702	Wastewater (pumpout)	4	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Rock Camp Creek	050500020702	Wastewater (pumpout)	6	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Rock Camp Creek	050500020702	Wastewater (pumpout)	1	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Rock Camp Creek	050500020702	Wastewater (pumpout)	3	IU

Year	GRTS#	NPS#	Subgrantee	Project	Basin	HUC12	BMP	Imp#	Unit
21	9	NPS1781	WVCA	Indian Creek Phase III	Upper Indian Creek	050500020703	Wastewater (pumpout)	1	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Upper Indian Creek	050500020703	Wastewater (pumpout)	4	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Upper Indian Creek	050500020703	Wastewater (pumpout)	6	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Upper Indian Creek	050500020703	Wastewater (pumpout)	1	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Upper Indian Creek	050500020703	Wastewater (pumpout)	3	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Burnside Branch	050500020701	Wastewater [Repair/Upkeep]	4	IU
19	6	NPS1706	WVCA	Burnside Branch - Indian Creek	Burnside Branch	050500020701	Wastewater [Repair/Upkeep]	1	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Burnside Branch	050500020701	Wastewater [Repair/Upkeep]	1	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Burnside Branch	050500020701	Wastewater [Repair/Upkeep]	2	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Burnside Branch	050500020701	Wastewater [Repair/Upkeep]	5	IU
19	6	NPS1706	WVCA	Burnside Branch - Indian Creek	Burnside Branch	050500020701	Wastewater [Repair/Upkeep]	4	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Burnside Branch	050500020701	Wastewater [Repair/Upkeep]	1	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Burnside Branch	050500020701	Wastewater [Repair/Upkeep]	3	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Lower Indian Creek	050500020705	Wastewater [Repair/Upkeep]	1	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Lower Indian Creek	050500020705	Wastewater [Repair/Upkeep]	2	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Lower Indian Creek	050500020705	Wastewater [Repair/Upkeep]	4	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Lower Indian Creek	050500020705	Wastewater [Repair/Upkeep]	5	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Lower Indian Creek	050500020705	Wastewater [Repair/Upkeep]	1	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Lower Indian Creek	050500020705	Wastewater [Repair/Upkeep]	3	IU
20	7	NPS1735	WVCA	Sleepy Creek VI	Lower Sleepy Creek	020700040205	Wastewater [Repair/Upkeep]	1	IU
20	7	NPS1735	WVCA	Sleepy Creek VI	Lower Sleepy Creek	020700040205	Wastewater [Repair/Upkeep]	2	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Middle Indian Creek	050500020704	Wastewater [Repair/Upkeep]	1	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Middle Indian Creek	050500020704	Wastewater [Repair/Upkeep]	2	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Middle Indian Creek	050500020704	Wastewater [Repair/Upkeep]	4	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Middle Indian Creek	050500020704	Wastewater [Repair/Upkeep]	5	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Middle Indian Creek	050500020704	Wastewater [Repair/Upkeep]	1	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Middle Indian Creek	050500020704	Wastewater [Repair/Upkeep]	3	IU
20	7	NPS1735	WVCA	Sleepy Creek VI	Middle Sleepy Creek	020700040203	Wastewater [Repair/Upkeep]	1	IU
20	7	NPS1735	WVCA	Sleepy Creek VI	Middle Sleepy Creek	020700040203	Wastewater [Repair/Upkeep]	2	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Rock Camp Creek	050500020702	Wastewater [Repair/Upkeep]	1	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Rock Camp Creek	050500020702	Wastewater [Repair/Upkeep]	2	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Rock Camp Creek	050500020702	Wastewater [Repair/Upkeep]	4	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Rock Camp Creek	050500020702	Wastewater [Repair/Upkeep]	5	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Rock Camp Creek	050500020702	Wastewater [Repair/Upkeep]	1	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Rock Camp Creek	050500020702	Wastewater [Repair/Upkeep]	3	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Upper Indian Creek	050500020703	Wastewater [Repair/Upkeep]	1	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Upper Indian Creek	050500020703	Wastewater [Repair/Upkeep]	2	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Upper Indian Creek	050500020703	Wastewater [Repair/Upkeep]	4	IU

Year	GRTS#	NPS#	Subgrantee	Project	Basin	HUC12	BMP	Imp#	Unit
21	9	NPS1781	WVCA	Indian Creek Phase III	Upper Indian Creek	050500020703	Wastewater [Repair/Upkeep]	5	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Upper Indian Creek	050500020703	Wastewater [Repair/Upkeep]	1	IU
21	9	NPS1781	WVCA	Indian Creek Phase III	Upper Indian Creek	050500020703	Wastewater [Repair/Upkeep]	3	IU

Appendix 3. Load reductions achieved in 2023.

GRTS#	NPS#	Subgrantee	Project	Basin	HUC12	Pollutant	LR	Unit
5	NPS1705	PCWA	Crescent Elementary Retrofit	Headwaters Piney Creek	050500040102	Pathogens (Coliform)	4.57E+11	cfu/year
6	NPS1706	WVCA	Burnside Branch	Burnside Branch	050500020701	Pathogens (Coliform)	2.49E+10	cfu/year
7	NPS1735	WVCA	Sleepy Creek VI	Lower Sleepy Creek	020700040205	Pathogens (Coliform)	4.15E+09	cfu/year
7	NPS1735	WVCA	Sleepy Creek VI	Lower Sleepy Creek	020700040205	Pathogens (Coliform)	2.08E+10	cfu/year
11	NPS1738	WVCA	Pipestem Creek Ag BMPs	Little Bluestone River	050500020909	Pathogens (Coliform)	2.91E+10	cfu/year
8	NPS1780	WVCA	Elks Run Phase III	Elks Run	020700041107	Pathogens (Coliform)	1.23E+10	cfu/year
9	NPS1781	WVCA	Indian Creek Phase III	Upper Indian Creek	050500020703	Pathogens (Coliform)	4.15E+09	cfu/year
9	NPS1781	WVCA	Indian Creek Phase III	Lower Indian Creek	050500020705	Pathogens (Coliform)	2.08E+10	cfu/year
9	NPS1781	WVCA	Indian Creek Phase III	Middle Indian Creek	050500020704	Pathogens (Coliform)	3.74E+10	cfu/year
9	NPS1781	WVCA	Indian Creek Phase III	Burnside Branch	050500020701	Pathogens (Coliform)	8.30E+10	cfu/year
9	NPS1781	WVCA	Indian Creek Phase III	Rock Camp Creek	050500020702	Pathogens (Coliform)	1.08E+11	cfu/year
6	NPS1706	WVCA	Burnside Branch	Burnside Branch	050500020701	Pathogens (Coliform)	7.88E+10	cfu/year
7	NPS1707	WVCA	Mill Creek - Meadow River	Mill Creek-Meadow River	050500050605	Pathogens (Coliform)	2.08E+10	cfu/year
8	NPS1708	WVCA	Second Creek Karst III	Lower Second Creek	050500030703	Pathogens (Coliform)	6.18E+12	cfu/year
7	NPS1735	WVCA	Sleepy Creek VI	Lower Sleepy Creek	020700040205	Pathogens (Coliform)	4.14E+09	cfu/year
7	NPS1735	WVCA	Sleepy Creek VI	Lower Sleepy Creek	020700040205	Pathogens (Coliform)	2.47E+10	cfu/year
7	NPS1735	WVCA	Sleepy Creek VI	Lower Sleepy Creek	020700040205	Pathogens (Coliform)	3.28E+10	cfu/year
11	NPS1738	WVCA	Pipestem Creek Ag BMPs	Little Bluestone River	050500020909	Pathogens (Coliform)	3.89E+11	cfu/year
9	NPS1781	WVCA	Indian Creek Phase III	Upper Indian Creek	050500020703	Pathogens (Coliform)	2.08E+10	cfu/year
9	NPS1781	WVCA	Indian Creek Phase III	Lower Indian Creek	050500020705	Pathogens (Coliform)	6.22E+10	cfu/year
6	NPS1706	WVCA	Burnside Branch	Burnside Branch	050500020701	Pathogens (Coliform)	7.88E+10	cfu/year
7	NPS1707	WVCA	Mill Creek - Meadow River	Mill Creek-Meadow River	050500050605	Pathogens (Coliform)	2.08E+10	cfu/year
8	NPS1708	WVCA	Second Creek Karst III	Lower Second Creek	050500030703	Pathogens (Coliform)	6.18E+12	cfu/year
7	NPS1735	WVCA	Sleepy Creek VI	Middle Sleepy Creek	020700040203	Pathogens (Coliform)	4.14E+09	cfu/year
7	NPS1735	WVCA	Sleepy Creek VI	Middle Sleepy Creek	020700040203	Pathogens (Coliform)	2.47E+10	cfu/year
7	NPS1735	WVCA	Sleepy Creek VI	Middle Sleepy Creek	020700040203	Pathogens (Coliform)	3.28E+10	cfu/year
11	NPS1738	WVCA	Pipestem Creek Ag BMPs	Little Bluestone River	050500020909	Pathogens (Coliform)	3.89E+11	cfu/year
9	NPS1781	WVCA	Indian Creek Phase III	Middle Indian Creek	050500020704	Pathogens (Coliform)	2.08E+10	cfu/year
9	NPS1781	WVCA	Indian Creek Phase III	Lower Indian Creek	050500020705	Pathogens (Coliform)	6.22E+10	cfu/year
06	NPS1706	WVCA	Burnside Branch	Burnside Branch	050500020701	Pathogens (Coliform)	7.88E+10	cfu/year

GRTS#	NPS#	Subgrantee	Project	Basin	HUC12	Pollutant	LR	Unit
07	NPS1707	WVCA	Mill Creek - Meadow River	Mill Creek-Meadow River	050500050605	Pathogens (Coliform)	2.08E+10	cfu/year
08	NPS1708	WVCA	Second Creek Karst III	Lower Second Creek	050500030703	Pathogens (Coliform)	6.18E+12	cfu/year
07	NPS1735	WVCA	Sleepy Creek VI	Lower Sleepy Creek	020700040205	Pathogens (Coliform)	4.14E+09	cfu/year
07	NPS1735	WVCA	Sleepy Creek VI	Lower Sleepy Creek	020700040205	Pathogens (Coliform)	2.47E+10	cfu/year
07	NPS1735	WVCA	Sleepy Creek VI	Lower Sleepy Creek	020700040205	Pathogens (Coliform)	3.28E+10	cfu/year
11	NPS1738	WVCA	Pipestem Creek Ag BMPs	Little Bluestone River	050500020909	Pathogens (Coliform)	3.89E+11	cfu/year
09	NPS1781	WVCA	Indian Creek Phase III	Upper Indian Creek	050500020703	Pathogens (Coliform)	2.08E+10	cfu/year
09	NPS1781	WVCA	Indian Creek Phase III	Lower Indian Creek	050500020705	Pathogens (Coliform)	6.22E+10	cfu/year
14	NPS1823	FODC	Dillan Creek Phase I	Headwaters Deckers Creek	050200030201	Metals (Iron)	130.2	lbs/year
14	NPS1823	FODC	Dillan Creek Phase I	Headwaters Deckers Creek	050200030201	Metals (Aluminum)	295.2	lbs/year
14	NPS1823	FODC	Dillan Creek Phase I	Headwaters Deckers Creek	050200030201	Acidity	2953.6	lbs/year
4	NPS1704	NMLRC	Roaring Creek - North Portal	Roaring Creek	050200010406	Metals (Iron)	1256.7	lbs/year
4	NPS1704	NMLRC	Roaring Creek - North Portal	Roaring Creek	050200010406	Metals (Aluminum)	721.4	lbs/year
4	NPS1704	NMLRC	Roaring Creek - North Portal	Roaring Creek	050200010406	Acidity	8705.3	lbs/year

Load reduction summary.

Pollutants	Totals	Log(N)
Acidity	11,659	4.1
Metals (Aluminum)	1,017	3.0
Metals (Iron)	1,387	3.1
Pathogens (Coliform)	2.12E+13	13.3

Appendix 4. 2019 Management Plan progress summary

Administration	Status	Comments
Provide leadership in managing the NPS Program		These are annual goals that are consistent with each §319 workplan. Each of these goals are either complete or progress was satisfactory.
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.		
By 2020 develop two-four new WBPs in priority areas as designated by the Watershed Management Framework and TMDL processes.		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 and Cheat watersheds. Progress has been steady on many of the Greenbrier basin agricultural plans. Recent monitoring suggests that Second Creek is nearing completion. We have not been successful in developing WPBs in the Ohio River basins but will have one in 2024.
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-year's 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.		
Support provides 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). An ILF project in the Upper Elk is underway. There appears to be future WPP opportunities in several Greenbrier/Cheat drainages.
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 WVVAPP 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.
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 change 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 on-going.

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		

Provide education and technical assistance on stormwater BMPs.		
From 2015-2020 provide five stormwater workshops or demonstration projects		These goals have been exceeded.
By 2018 present 20 stormwater management workshops across the state		
By 2016 provide technical advice regarding stormwater management quality and/or quantity issues to 20 clients		

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 will 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 to implement WBPs and identify CB funding opportunities. Progress is good, and on-going. Targets have been. Several towns in the region have implemented voluntary ordinances and adopted GI practices. 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. FY24 §319 grant request

<u>Sub-grantees</u>	<u>Nonpoint Funds</u>	<u>§319</u>	<u>Match</u>	<u>Total</u>
WVDEP-WIB	WVDEP §319 Statewide Program	\$530,654	\$415,935	\$946,589
EPA	EPA Watershed Tracker (in-kind)	\$10,000		\$10,000
WVCA	WVCA §319 Statewide Program	\$94,000	\$62,667	\$156,667
	Total Nonpoint	\$634,654	\$478,602	\$1,113,256
	<u>Watershed Project Funds</u>			
WVWRI-SSTWA	Mars Portals Phase IV	\$300,000	\$200,000	\$500,000
FOC	Cheat Canyon Sediment Remediation	\$162,450	\$113,000	\$275,450
WVCA	Upper Meadow River II	\$100,000	\$85,377	\$185,377
CRG	Browns Creek Phase III	\$200,000	\$133,000	\$333,000
CVI	Mill Creek Restoration	\$280,169	\$186,877	\$467,046
CVI	Tuscarora Poor House Restoration	\$161,031	\$111,355	\$272,386
PCWA	Beaver Coal Sediment Reduction	\$63,000	\$42,000	\$105,000
	Total Watershed	\$1,266,650	\$871,609	\$2,138,259
	Total Grant request	\$1,901,304	\$1,350,211	\$3,251,515

2024 subgrantees: US Environmental Protection Agency (EPA), WV Conservation Agency (WVCA), WV University Water Research Institute (WVUWRI), Save the Tygart Watershed Association (SSTWA), Coal River Group (CRG), Canaan Valley Institute (CVI), Piney Creek Watershed Association (PCWA).