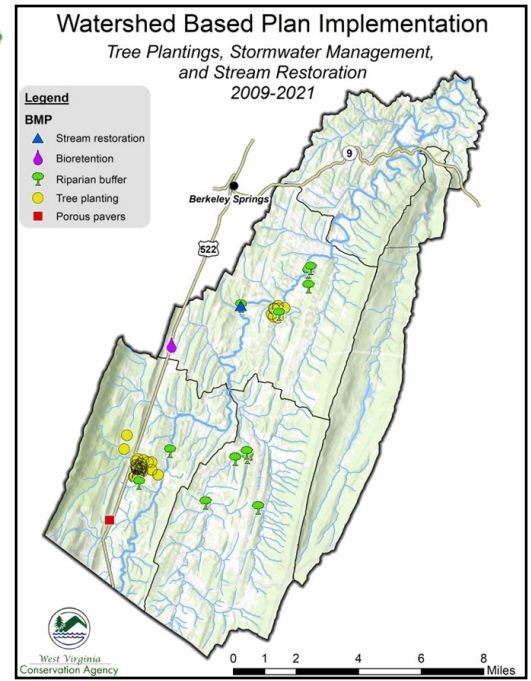


Sleepy Creek Watershed

Morgan & Berkeley Counties, WV



- Empties into Potomac River
- Flows north from Frederick Co., VA
- 145 square mile drainage area
⇒ 125 square miles located in WV
- 77% of WV watershed is forested
- Impaired for fecal coliform bacteria
- TMDL developed in 2008
- WBP approved in 2008; updated WBP under review
- Major tributary Indian Run also impaired for FCB; delisted in 2012



Project Highlights

- Failing septic system repair (72 systems)
- Septic system pumping (213 systems)
- Stream restoration (612 linear ft)
- Riparian buffer planting (14.66 ac)
- Urban tree plantings (18.77 ac)
- Porous pavers (0.76 ac)
- Bioretention (7.38 ac)
- Water monitoring & molecular source tracking of bacteria

Phase I: 319 2009—2011

- Septic repairs & pumpings, riparian & urban plantings, porous pavers.

Federal 319	\$292,550
Match	\$195,036
Total	\$487,586

Phase II: 319 2013—2016

- Riparian & urban plantings, porous pavers, bioretention.

Federal 319	\$70,200
Match	\$41,256
Total	\$111,456

Phase III: 319 2014—2018

- Septic repairs & pumpings.

Federal 319	\$74,600
Match	\$52,949
Total	\$127,549

Phase IV: Chesapeake Bay 2016—2021

- Riparian buffer plantings, porous pavers, bioretention.

Federal CB	\$93,130
Match	\$67,008
Total	\$160,138

Phase V: 319 2019—2021

- Septic repairs & pumpings.

Federal 319	\$21,000
Match	\$17,000
Total	\$38,000

Phase VI: 319 2020—ongoing

- Septic repairs & pumpings.

Federal 319	\$92,130
Match	\$64,500
Total	\$156,630

Phase VII: Chesapeake Bay 2020—ongoing

- Riparian & urban plantings, porous pavers, other SW practices.

Federal CB	\$90,000
Match	\$90,000
Total	\$180,000



**Stream restoration:
Chesapeake Bay grant
2019—2020**

Federal CB	\$478,135
Match	\$79,080
Total	\$557,215



Reductions

- 1.96E+14 CFU/year fecal coliform bacteria
- 168.69 lbs/year nitrogen
- 54.48 lbs/year phosphorus
- 81.48 tons/year sediment

Partnerships

- WV Conservation Agency
- Eastern Panhandle Conservation District
- WV Department of Environmental Protection
- Sleepy Creek Watershed Association
- Cacapon Institute
- Alliance for the Ches. Bay
- Morgan County Health Dept
- US Geological Survey
- WV Division of Forestry
- The Downstream Project
- US Dept of Agriculture
- WV Dept of Health & Human Resources