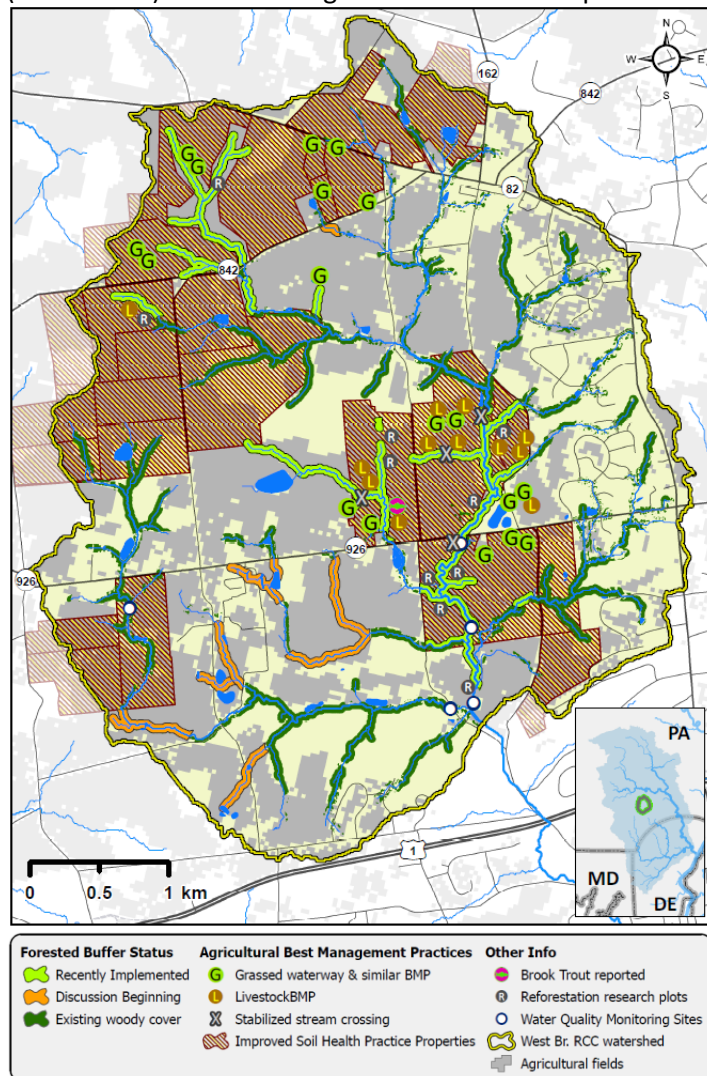


Stroud Water Research Center used generous support from PA DEP's Growing Greener initiative (\$707,818) to restore more than 60 acres of forested buffers on over 6 miles of streambanks in Chester County, PA, as well as implementing more than 50 agricultural best management practices on 12 farms. The majority of the work was implemented in the West Branch of Red Clay Creek just northwest of Kennett Square. These DEP-funded projects were integral to the Delaware River Watershed Initiative generously funded (\$100 million over 10 years involving 30+ organizations in 15+ counties in PA and NJ) by the William Penn Foundation. A map of major outcomes of Stroud Center's DRWI efforts appears below. The density and significance of conservation actions in this small area is exceptional. Forested buffers averaged >100' per side. This outcome was only possible due to long relationships between Stroud Center with visionary and generous landowners, as well as a conservation-minded tenant farmer (Jamie Hicks) who encouraged landowners to implement conservation practices.



Additional ag BMPs were installed in other DRWI Focus Areas (Honey Brook area and White Clay Creek)

- ag BMPs and forested buffers on three Plain community farms in Honey Brook
- forested buffer on Plum Run focus area near West Chester
- two forested buffers and livestock exclusion on White Clay Creek.

Estimated annual pollution load reductions are: 48, 070 lb N, 1,390 lb P, and 1.53 million lb sediment.

Stream response to restoration efforts is being monitored by Stroud Center scientists.