

Richmond County Tributary Strategy Local Program Pilot
Project Deliverables

1. Develop local nutrient pollution target (reduction goal):
 - a. Nitrogen 363,960 #/yr
 - i. Needed reduction 303,860 #/yr
 - b. Phosphorous 32,225 #/yr
 - i. Needed reduction 52,491 #/yr
 - c. Sediment 15,250 tons/yr
 - i. Needed reduction 9,225 tons/yr
2. Code and ordinance review for water quality:
 - a. VA DCR Division of Chesapeake Bay Local Assistance Phase 3 review
 - i. Plan and plat consistency review checklist
 - ii. Advisory review checklist
 - iii. Advisory review report
3. Comprehensive plan review assistance:
 - a. NEMO assisted community engagement process holding seven community workshops
 - b. Facilitation of County workgroup to review individual sections of the comp plan, develop relevant goals and develop a land use plan
4. Agriculture BMP implementation:
 - a. Accomplished through VA DCR DCWC agricultural cost share program
 - i. \$277,220 implementation over '07/'08 and '08/'09 program years
 - ii. Total estimated reductions N – 133,438 #/yr, P – 11,830 #/yr, S- 2,326 tons per year
5. Rappahannock Community College retrofit/urban BMP project
 - a. \$500,000 project
 - b. Retrofit parking lot with porous pavement, bio-retention, buried rain tanks (downspout disconnect) rain garden, amended compost rainwater swale, Filterra installation
6. State of the Environment report/extensive local stream biological and chemical water quality assessment
 - a. Using VCU Center for Environmental Studies stream assessment teams for data development and healthy waters Virtual Stream Score (VSS) protocol identified:
 - i. Four kinds of sites identified on the map:
 1. VSS % comparability score > 70% – healthy sites
 2. Healthy site/Important Fisheries Resources (IFR) sites
 3. Just IFR sites
 4. Compromised sites
 - ii. The results show.....
 1. 12 healthy/IFR sites
 2. 2 addition Healthy sites no IFR
 3. 43 IFR sites that score <70% VSA
 4. 20 sites identified as elevated nutrients and a number of sites identified as compromised biologically.