

# Agricultural Actions

Source Issues	Corrective Actions	Potential Funding Source	Who will assist?
Cattle in stream	Livestock Exclusion Best Management Practices	Agri. Cost Share, Water Quality Improvement Fund (WQIF), 319 Funds, Krebser Fund, Friends of Rappahannock, NRCS	Culpeper SWCD, Natural Resource Conservation Service (NRCS)
Pasture runoff	Pasture Management Best Management Practices	Agri. Cost Share, NRCS	Culpeper SWCD, NRCS
Poor stream buffers	Improved buffers (grass and trees)	Conservation Reserve Enhancement Program, Dept. Game and Inland Fisheries, Dept. of Forestry, Agri. Cost Share	Dept. Game and Inland Fisheries, Dept. of Forestry, Culpeper SWCD, NRCS
Management Practice knowledge	Agri. Best Management Practice Education, Outreach events	WQIF, Va. Cooperative Extension, NRCS	Culpeper SWCD, Va. Cooperative Extension

Cattle access to water	Alternate water source	Agri. Best Management Practice, DEQ (low interest loan), NRCS	Culpeper SWCD, Va. Dept. of Environmental Quality (DEQ), NRCS
Targeting locations for fencing	Ground truthing, stream walks		Culpeper SWCD, RappFLOW, other community interest groups

# Residential Actions

Source Issues	Corrective Actions	Potential Funding Source	Who will assist?
Lack of septic system maintenance	Regular septic system maintenance	Water Quality Improvement Fund (WQIF), National Fish & Wildlife Foundation (NFWF), Homeowners	Culpeper SWCD, Virginia Department of Health (VDH)
Septic system failure and/or of straight pipes	Septic system installation and maintenance	WQIF, National Fish & Wildlife Foundation, Homeowners	Culpeper SWCD, VDH
Lack of septic system pump out tracking	Computerized tracking system	VDH	VDH, Local Governments
Need for septic system location at time of home sale	Local Ordinance	Homeowners	Local Governments

Need for septic system education across entire watershed	Septic system education program	WQIF, National Fish & Wildlife Foundation, Chesapeake Bay Funders	Realtors, teachers, Culpeper SWCD, community interest groups
No pet waste management	Education program, bag stations, composters, structural practices in concentrated canine areas (kennels)	Va. Cooperative Extension, Culpeper SWCD, WQIF, NFWF, Roundtables	Community interest groups, Local governments, hunt clubs, Veterinarians, SPCA
Riparian buffers needed for non-agricultural land	Install grass/tree buffers along streams	Piedmont Environmental Council, Va. Dept. of Forestry. NFWF, private foundations	RappFLOW, Rappahannock Rapidan Regional Commission (RRRC), PEC
Current pond management encourages geese	Educate landowners on leaving buffer around ponds to deter geese	private landowners, Homeowner Associations, NFWF, DGIF	Rapp FLOW, landowners
Runoff from streamside properties	Lanscaping to reduce runoff, low impact development techniques	Homeowners, Developers, NFWF	RappFLOW, Local Governments, other community interest groups

Need for horse owner education of Best Management Practices	Education program for pasture management, alternative watering sources, livestock exclusion	Agri. Best Management Practice cost share, Va. Cooperative Extension, WQIF	Culpeper SWCD, Va. Cooperative Extension, community interest groups
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# Government Actions

Source Issues	Actions & Support	Potential Funding Source	Who will assist?
Continual baseline water quality monitoring	Water quality monitoring: ambient/benthic	Department of Environmental Quality (DEQ)	DEQ
Supplemental ambient/benthic monitoring	Water Quality monitoring: ambient/benthic; coliscan (bacteria monitoring)	DEQ, NFWF, Va. Naturally, National Park Service (NPS)	RappFLOW, Culpeper SWCD, NPS (& friends groups)
Local Government Incentives	Ordinance/code options to improve water quality (stream buffer overlay district)	Local Government	Local Government, Rapp. Rapidan Regional Comm., Friends of the Rappahannock
Inadequate tracking of alternative septic systems	Develop tracking system/ensure maintenance agreement on file	Local Government	Local Government