

# CHAPTER 8

## PLAN IMPLEMENTATION

### INTRODUCTION

Implementing the WPP is a multi-year commitment that will require active participation from various stakeholders and local entities for a planned 10-year period. Implementation of the management measures described in Chapter 6 will require significant financial and technical assistance, as well as continued water quality education and outreach. The first step to successful implementation is to create a reasonable implementation schedule with interim goals and estimated costs. All management strategies in the WPP are voluntary but have received stakeholder support to help ensure the recommendations will be implemented.

### SCHEDULE, MILESTONES, AND ESTIMATED COSTS

The implementation schedule of the Kickapoo Creek WPP is set over a 10-year period; however, additional management and time may be needed as identified through adaptive management. The schedule, milestones, and estimated costs associated with planned implementation were discussed and developed in coordination with watershed stakeholders during the WPP development process. Management measures were selected based on their ability to address *E.coli* loading in the watershed and effectively manage the target source at a reasonable cost.

A complete list of management measures and goals, responsible parties, and estimated costs are included in Table 7.1. Implementation goals are included incrementally to reflect anticipated implementation time frames. In specific cases, funding acquisition, personnel hiring, or program initiation may delay the start of implementation. This approach provides incremental implementation progress. If sufficient progress is not made, adjustments will ensure increased implementation and meet established goals. Adaptive management may also be used to adjust the planned approach if the original strategy is no longer feasible.

Table 7.1. Implementation schedule.

Management Measure	Responsible Party	Estimated Unit Cost	Number Implemented Time frame (year) 1-3	Number Implemented Time frame (year) 4-6	Number Implemented Time frame (year) 7-10	Estimated Total Cost
<b>Cattle and other Livestock</b>						
Develop funding to hire a WQMP technician	TSSWCB, SWCDs, Watershed Coordinator	\$60,000/year		1		\$600,000
Develop, implement, and provide financial assistance for CPs and WQMPs	Producers, landowners, NRCS, TSSWCB, SWCDs, Watershed Coordinator	\$30,000/plan	10	15	25	\$1,500,000
Deliver education and outreach programs and workshops to landowners	AgriLife Extension, ANRA, Watershed Coordinator	N/A	1	1	1	N/A
<b>Feral Hog Management</b>						
Voluntarily construct fencing around deer feeders to prevent feral hog utilization	Landowner, ranch managers, leasees	\$200/feeder		As many as possible		N/A
Voluntarily trap/remove/shoot feral hogs to reduce numbers	Landowner, ranch managers, leasees	N/A		As many as possible		N/A
Develop and implement wildlife management plans and wildlife management practices	Landowners, producers, TPWD, Watershed Coordinator	N/A		As many as possible		N/A
Deliver feral hog education workshops	AgriLife Extension, Lonestar Healthy Streams, TPWD, Watershed Coordinator	\$3,000 each workshop	1	1	1	\$9,000
<b>OSSF Management</b>						
Identify, inspect, and repair or replace OSSFs as funding allows	Counties, contractors	\$8,000-\$10,000/system	20	40	40	\$800,000-\$1,000,000
Operate and OSSF education, outreach, and training program for	AgriLife Extension, Watershed Coordinator	\$3,500	1	1	1	\$10,500

Management Measure	Responsible Party	Estimated Unit Cost	Number Implemented Time frame (year) 1-3	Number Implemented Time frame (year) 4-6	Number Implemented Time frame (year) 7-10	Estimated Total Cost
Installer, service providers and homeowners						
Develop and deliver materials (postcards, websites, handouts, etc.) to educate homeowners	Watershed Coordinator	\$1,000		As needed		\$1,000
<b>Municipal Sanitary Sewer Overflow or Unauthorized Discharges</b>						
Identify potential resources and develop programs to assist homeowners with sewage pipe replacement	Watershed Coordinator, AgriLife Extension, cities	N/A		As many as possible		N/A
Identify and replace pipes contributing to I&I problems as funding permits	Cities, property owners, contractors	\$3,000 - \$20,000/site				
Develop and deliver educational materials to residents and property owners	Cities, AgriLife Extension, Watershed Coordinator	N/A	1	1	1	N/A
<b>Illegal Dumping</b>						
Promote and expand education and outreach efforts in the watershed	Cities, AgriLife Extension, Watershed Coordinator	N/A				
Legal action	Local watershed law enforcement			As needed		
<b>Pet Waste Management</b>						
Pet waste station establishment and maintenance	Cities, HOAs, counties, Watershed Coordinator	\$150 per station	10	20	20	\$7,500
Pet waste education materials	Cities, HOAs, counties, veterinarian hospitals, Watershed Coordinator	N/A	Annually, in addition to current informational flyers			N/A