

CHAPTER 8

MEASURING SUCCESS

The success of the previously listed implementation actions shall be monitored using a variety of methods, dictated by the specific action being measured. Below are listed the types of measurements suggested for use

8.1 Best Management Practices

Tracking of participation by landowner, acreage, and type of practice shall be used to measure the success of the implementation of this set of actions. Monitoring shall be conducted of parameters such as TSS, nitrates, orthophosphates, *E. coli*, ammonia, stream biology and habitat in order to identify any changes resultant from practices implemented (with pollutant load reductions being part of those calculations). Protocol for long term reporting of the status of such practices shall be developed by the DCSWCD and shall be a stipulation of participation in the WRWP cost-share program.

8.2 Outreach and Education

Tracking of participation in conferences, workshops, tours, public meetings and presentations shall be used to measure the effectiveness of the outreach and education actions implemented. Protocol for follow-up from participants of specific workshops and conferences shall be developed as part of those programs and presented at time of participation.

8.3 Land Use Planning

The creation and adoption of a Prairie Creek Subwatershed Master Plan and the development and adoption of riparian corridor zoning standards in the Buck Creek Subwatershed shall be the measures of success for this portion of the plan.

8.4 Monitoring

Monitoring is both a goal (*E. coli* source identification) and a method of measuring success. Therefore, the success of the monitoring program will be measured by 1) the implementation of an *E. coli* source identification program and 2) the continuation of a modified monitoring program (that includes the inclusion of a Prairie Creek lake study, and measures the affects of BMP installations). This program will include the monitoring of TSS, ammonia, nitrate, orthophosphate, DO, *E. coli*, biology and stream habitat. 3) Digitization of new aerial photography and implemented practices into GIS data layers. Details of these programs shall be determined prior to their implementation, with the appropriate QAPP revisions submitted and approved. Load reductions for all parameters shall be calculated as the program progresses. Data collected through this program shall be used to examine improvements in water quality.