CHAPTER 3: WATER RESOURCES CONDITIONS, OBJECTIVES AND CONTROL NEEDS

INTRODUCTION

The Watershed Assessment portion of this plan:

1. identifies the water quality or water resources problems in the lakes and streams of the Black Earth Creek watershed;

2. for lakes and streams in the watershed, identifies the water quality or water resources objectives that can be achieved through a nonpoint source control project;

3. identifies the level of nonpoint source pollutant control needed to achieve the objectives;

4. identifies and ranks the significant nonpoint sources;

5. estimates the best management practices that will achieve the pollutant control; and

6. identifies other management needs to achieve the water resources objectives.

This chapter describes the following for each of the 11 subwatersheds in the watershed as listed in Table 1 and shown in Figure 2:

- existing water resources conditions;

- water resources objectives;

- pollutants from nonpoint sources; and

- nonpoint source pollutant control and fish management needs to meet the water resources objectives.

Chapter 5 describes the major management actions including best management practices necessary to meet the needs identified in this chapter. A discussion on data collection and analysis methods is contained in Appendix A.

TABLE 1. Subwatersheds of the Black Earth Creek Watershed.

Symbol	Subwatershed Name
HW	Black Earth Creek - Headwaters to Brewery Creek
BC	Brewery Creek
BG	Black Earth Creek - Brewery Creek to Garfoot Creek
GC	Garfoot Creek
GV	Black Earth Creek - Garfoot Creek to Vermont Creek
VC	Vermont Creek
VH	Black Earth Creek - Vermont Creek to Halfway Prairie Creek
IL	Indian Lake
HC	Halfway Prairie Creek
MC	Wendt Creek
HB	Black Earth Creek - Halfway Prairie Creek to Blue Mounds Creek

The discussion for each subwatershed includes:

- a subwatershed description;
- a brief discussion of the water resources conditions;
- a statement of the water resources objectives;
- a brief description of the nonpoint sources in the subwatershed;
- a description of the nonpoint source control needs to meet the water resources objectives; and