

BUFFALO – RED RIVER WATERSHED ONE WATERSHED, ONE PLAN

Tentative Plan Outline

Key:

* Indicates BWSR Requirement for Comprehensive Watershed Management Plan

Executive Summary*

Purpose/Mission/Vision statement*

General map of plan boundary*

Summary of priority issues and goals*

Summary implementation actions and programs*

Brief description of process used to identify measurable goals and targeted plan*

Outline of participant responsibilities*

1. Introduction.....

- 1.1 Preamble
- 1.2 Plan Area
- 1.3 Watershed Characteristics
- 1.4 Plan Overview
- 1.5 Plan Partners and Roles in Plan Development

2. Identification and Prioritization of Resources and Issues*

- 2.1 Definitions
- 2.2 Identification and Summary of Resource Concerns and Issues*
- 2.3 Prioritizing Resource Concerns and Issues*
 - 2.3.1 Priority Issues Ranking
- 2.4 Priority Resource Concerns and Issues*
 - 2.4.1 Watershed-Wide and Planning Region-Focused Resource Concerns and Issues
 - 2.4.2 Watershed-Wide Priorities
 - 2.4.2.1 Description of Issues and Resource Concerns
 - 2.4.2.1.1 High Rank Priorities
 - 2.4.2.1.2 Moderate Rank Priorities
 - 2.4.2.1.3 Low Rank Priorities
 - 2.4.3 Central Planning Region Resource Concerns and Issues
 - 2.4.3.1 Description of Issues and Resource Concerns
 - 2.4.3.1.1 High Rank Priorities
 - 2.4.3.1.2 Moderate Rank Priorities
 - 2.4.3.1.3 Low Rank Priorities

- 2.4.4 Lakes Planning Region Resource Concerns and Issues
 - 2.4.4.1 Description of Issues and Resource Concerns
 - 2.4.4.1.1 High Rank Priorities
 - 2.4.4.1.2 Moderate Rank Priorities
 - 2.4.4.1.3 Low Rank Priorities
- 2.4.5 Mainstem Planning Region Resource Concerns and Issues
 - 2.4.5.1 Description of Issues and Resource Concerns
 - 2.4.5.1.1 High Rank Priorities
 - 2.4.5.1.2 Moderate Rank Priorities
 - 2.4.5.1.3 Low Rank Priorities
- 2.4.6 Moorhead Planning Region Resource Concerns and Issues
 - 2.4.6.1 Description of Issues and Resource Concerns
 - 2.4.6.1.1 High Rank Priorities
 - 2.4.6.1.2 Moderate Rank Priorities
 - 2.4.6.1.3 Low Rank Priorities
- 2.4.7 Northern Planning Region Resource Concerns and Issues
 - 2.4.7.1 Description of Issues and Resource Concerns
 - 2.4.7.1.1 High Rank Priorities
 - 2.4.7.1.2 Moderate Rank Priorities
 - 2.4.7.1.3 Low Rank Priorities
- 2.4.8 Otter Tail Planning Region Resource Concerns and Issues
 - 2.4.8.1 Description of Issues and Resource Concerns
 - 2.4.8.1.1 High Rank Priorities
 - 2.4.8.1.2 Moderate Rank Priorities
 - 2.4.8.1.3 Low Rank Priorities
- 2.4.9 Southern Planning Region Resource Concerns and Issues
 - 2.4.9.1 Description of Issues and Resource Concerns
 - 2.4.9.1.1 High Rank Priorities
 - 2.4.9.1.2 Moderate Rank Priorities
 - 2.4.9.1.3 Low Rank Priorities
- 2.4.10 Upper Red Planning Region Resource Concerns and Issues
 - 2.4.10.1 Description of Issues and Resource Concerns
 - 2.4.10.1.1 High Rank Priorities
 - 2.4.10.1.2 Moderate Rank Priorities
 - 2.4.10.1.3 Low Rank Priorities
- 2.4.11 Western Planning Region Resource Concerns and Issues
 - 2.4.11.1 Description of Issues and Resource Concerns
 - 2.4.11.1.1 High Rank Priorities
 - 2.4.11.1.2 Moderate Rank Priorities
 - 2.4.11.1.3 Low Rank Priorities

- 2.5 Use of Priorities in Plan Implementation
- 2.6 Emerging Issues
 - 2.6.1 Scientific and Technical Emerging Issues
 - 2.6.2 Policy and Funding Emerging Issues
 - 2.6.3 Process for Addressing Emerging Issues and Data Gaps

3. Establishment of Measurable Goals*

- 3.1 Definitions
- 3.2 Using Restoration and Protection Strategies to Achieve Measurable Goals
 - 3.2.1 Protection Strategies
 - 3.2.2 Restoration Strategies
- 3.3 Measurable Goal Development
- 3.4 Watershed-Wide and Planning Region-Focused Goals
 - 3.4.1 Watershed-Wide Measurable Goals
 - 3.4.1.1 Measurable Goal 1
 - 3.4.1.2 Measurable Goal 2
 - 3.4.1.3 Continued...
 - 3.4.2 Central Planning Region Measurable Goals
 - 3.4.2.1 Measurable Goal 1
 - 3.4.2.2 Measurable Goal 2
 - 3.4.2.3 Continued...
 - 3.4.3 Lakes Planning Region Measurable Goals
 - 3.4.3.1 Measurable Goal 1
 - 3.4.3.2 Measurable Goal 2
 - 3.4.3.3 Continued...
 - 3.4.4 Mainstem Planning Region Measurable Goals
 - 3.4.4.1 Measurable Goal 1
 - 3.4.4.2 Measurable Goal 2
 - 3.4.4.3 Continued...
 - 3.4.5 Moorhead Planning Region Measurable Goals
 - 3.4.5.1 Measurable Goal 1
 - 3.4.5.2 Measurable Goal 2
 - 3.4.5.3 Continued...
 - 3.4.6 Northern Planning Region Measurable Goals
 - 3.4.6.1 Measurable Goal 1
 - 3.4.6.2 Measurable Goal 2
 - 3.4.6.3 Continued...

- 3.4.7 Otter Tail Planning Region Measurable Goals
 - 3.4.7.1 Measurable Goal 1
 - 3.4.7.2 Measurable Goal 2
 - 3.4.7.3 Continued...
- 3.4.8 Southern Planning Region Measurable Goals
 - 3.4.8.1 Measurable Goal 1
 - 3.4.8.2 Measurable Goal 2
 - 3.4.8.3 Continued...
- 3.4.9 Upper Red Planning Region Measurable Goals
 - 3.4.9.1 Measurable Goal 1
 - 3.4.9.2 Measurable Goal 2
 - 3.4.9.3 Continued...
- 3.4.10 Western Planning Region Measurable Goals
 - 3.4.10.1 Measurable Goal 1
 - 3.4.10.2 Measurable Goal 2
 - 3.4.10.3 Continued...

4. Targeted Implementation Schedule*.....

- 4.1 Brief description of each action*
- 4.2 Location targeting where action will occur*
- 4.3 Identification of responsible parties*
- 4.4 Estimate of cost and potential sources of funding*
- 4.5 Implementation timeline*
- 4.6 How will it be measured*

5. Implementation Programs*.....

- 5.1 Incentive Based Initiatives*
 - 5.1.1 (Including, but not limited to) Data Collection and Monitoring
 - 5.1.1.1 Inventory
 - 5.1.1.2 Monitoring
 - 5.1.2 Information, Outreach, and Education Programs
- 5.2 Regulation and Enforcement*
 - 5.2.1 Administration of Statutory Responsibilities
 - 5.2.2 Local Regulation and Ordinances
 - 5.2.3 Rules and Regulations*
 - 5.2.4 Comprehensive or Land Use Plans*
- 5.3 Capital Improvements*
 - 5.3.1 Drainage
 - 5.3.2 Capital Improvement Projects
 - 5.3.2.1 Within Watershed Districts

- 5.3.3 Permanent Protection
- 5.4 Operation and Maintenance*
- 5.5 Funding*
 - 5.5.1 Local Funding
 - 5.5.2 State Funding
 - 5.5.3 Federal Funding
 - 5.5.4 Collaborative Grants
 - 5.5.5 Other Funding Sources
- 5.6 Plan Administration and Coordination*
 - 5.6.1 Decision-Making and Staffing*
 - 5.6.1.1 Policy Team
 - 5.6.1.2 Advisory Committee
 - 5.6.1.3 Identification and Coordination of Shared Services
 - 5.6.2 Collaboration with other Units of Government*
 - 5.6.3 Work Planning*
 - 5.6.3.1 Local Purpose
 - 5.6.3.2 State Purpose
 - 5.6.4 Assessment and Evaluation*
 - 5.6.4.1 Annual Evaluation
 - 5.6.4.2 Biennial Evaluation
 - 5.6.4.3 Five-year Evaluation
 - 5.6.4.4 Reporting
 - 5.6.5 Plan Amendments*
 - 5.6.6 Formal Agreements and Organizational Structure for Implementation*

A. Plan Appendix – Land and Water Resources Inventory*

- A.1 Introduction
- A.2 Ecoregions
- A.3 Geology, Soils and Topography
 - A.3.1 Topography*
 - A.3.2 Soils
- A.4 Climate and Precipitation*
- A.5 Land Use and Land Cover*
- A.6 Surface Waters*
 - A.6.1 Hydrologic Position

A.6.2 Streams*

A.6.3 Lakes*

A.6.4 Wetlands*

A.6.5 Public Drainage Systems*

A.6.6 Altered Hydrology

A.7 Groundwater*

A.7.1 Surface-Groundwater interactions*

A.7.2 Water Quality*

A.7.3 Water Quantity*

A.8 Water Use – Surface and Groundwater

A.9 Stormwater and Point Source Management*

A.10 Water-based Recreation Areas*

A.11 Fish and Wildlife Habitat*

A.11.1 Rare and Endangered Species*

A.12 Socioeconomics*

A.12.1 Population and Trends

A.12.2 Economy and Trends

A.12.3 Land Ownership and Trends

A.13 Additional Watershed Information