

## **Chapter 10. PLAN FOR ACTION**

## TABLE OF CONTENTS

	<b>Page</b>
<b>10.1 <u>Ground Water Quantity</u> .....</b>	<b>3</b>
<b>10.1.1 <u>Target Area</u> .....</b>	<b>3</b>
<b>10.1.2 <u>Management or Control Areas</u> .....</b>	<b>3</b>
<b>10.1.3 <u>Strategic Subareas for Management or Control Areas</u> ....</b>	<b>3</b>
<b>10.2 <u>Ground Water Quality</u> .....</b>	<b>5</b>
<b>10.2.1 <u>Target Area</u> .....</b>	<b>5</b>
<b>10.2.2 <u>Management or Special Protection Area</u> .....</b>	<b>5</b>
<b>10.2.3 <u>Strategic Subareas for Management or Special Protection</u>         <u>Areas</u> .....</b>	<b>6</b>
<b>10.3 <u>Implementation</u> .....</b>	<b>8</b>
<b>10.3.1 <u>Schedule</u> .....</b>	<b>8</b>
<b>10.3.2 <u>Personnel</u> .....</b>	<b>8</b>
<b>10.4 <u>Modification of Controls</u> .....</b>	<b>9</b>
<b>10.5 <u>Dissolution of an Area</u> .....</b>	<b>9</b>

## **CHAPTER 10. PLAN FOR ACTION**

### **10.1 Ground Water Quantity**

The available data does not indicate a ground water quantity problem in the Major Land Resource Areas within the Twin Platte Natural Resources District. The current monitoring program described in Chapter 5 shows that ground water levels have not significantly changed, either increase or decrease, since the monitoring program began in 1976. The available data does indicate ground water quantity could become a problem in some townships within the Major Land Resource Areas.

#### **10.1.1 Target Areas**

There currently are no designated Target Areas.

The District will initiate Target Areas January 1, 1996 for:

Township 11	Range 34	Lincoln County
Township 12	Range 36	Keith County

The triggering mechanism described in Chapter 8 were met for those Townships. The locations of the Target Areas are shown in Figure 16.

Table 10-1 summarizes the report for the triggering mechanism for 1995. A detailed report for 1995 is contained in Appendix B. The detailed report contains the Spring ground water levels for the baseline year of 1983 and the last three years, 1993, 1994 and 1995 and the average, median and 25%/75% range.

#### **10.1.2 Management or Control Areas**

There currently are no designated Management or Control Areas.

The District does not propose the establishment of a management area or a control area for quantity at this time. The triggering mechanism described in Chapter 8 are not met for the Major Land Resource Areas within the District.

Table 10-2 summarizes the report for the triggering mechanism for 1995. A detailed report for 1995 is contained in Appendix B. The detailed report contains the Spring ground water levels for the baseline year of 1983 and the last three years, 1993, 1994 and 1995 and the average, median and 25%/75% range.

#### **10.1.3 Strategic Subareas for Management or Control Areas**

There currently are no designated Strategic Subareas for Management of Control Areas.

The District does not propose the establishment of a strategic subarea for a management

area or a control area for quantity at this time. The triggering mechanism described in Chapter 8 are not met for Target Areas within the District.

**Table 10-1**  
**Ground Water Quantity**  
**Triggering Mechanism**  
**Summary**  
**for Target Areas**  
**1995**

<u>Township</u>	<u>Range</u>	<u>County</u>	<u>Triggering Mechanism</u> (Feet)	<u>Change 1983 to 1993/94/95 Average</u> (Feet)
11	34	Lincoln	-5.0	-12.47
12	36	Keith	-5.0	- 8.13

**Table 10-2**  
**Ground Water Quantity**  
**Triggering Mechanism**  
**Summary**  
**for**  
**Management or Control Areas**  
**1995**

<u>Major Land Resources Area</u>	<u>Triggering Mechanism for Phase 1</u> (Feet)	<u>Change 1983 to 1993/94/95 Average</u> (Feet)
Central High Tableland	-10.00	- 0.73
Nebraska Sandhills	-10.00	+ 0.21
Rolling Plains and Breaks	-10.00	+ 3.62
Central Nebraska Loess Hills	-10.00	+ 1.22

## **10.2 Ground Water Quality**

The available data does not indicate a ground water quality problem in the Major Land Resource Areas within the Twin Platte Natural Resources District. The current monitoring program described in Chapter 5 shows that ground water nitrate levels have not significantly changed, either increase or decrease, since the monitoring program began in 1982. The available data does indicate ground water quality could become a problem in some townships within the Major Land Resource Areas.

### **10.2.1 Target Areas**

There currently are no designated Target Areas.

The District will initiate Target Areas January 1, 1996 for:

Township 19	Range 37	Arthur County
Township 20	Range 38	Arthur County
Township 20	Range 39	Arthur County
Township 12	Range 41	Keith County
Township 13	Range 36	Keith County
Township 13	Range 39	Keith County
Township 13	Range 40	Keith County
Township 13	Range 41	Keith County
Township 11	Range 26	Lincoln County
Township 13	Range 26	Lincoln County
Township 20	Range 34	McPherson County

The triggering mechanism described in Chapter 9 were met for those Townships. The locations of the Target Areas are shown in Figure 17.

Table 10-3 summarizes the report for the triggering mechanism for 1995. A detailed report for 1995 is contained in Appendix D. The detailed report contains the nitrate levels for the years of 1988 through 1995 and for the last three years, 1993, 1994 and 1995 and the average, median and 25%/75% range.

### **10.2.2 Management or Special Protection Areas**

There currently are no designated Management or Special Protection Areas.

The District does not propose the establishment of a management area or a special protection area for quality at this time. The triggering mechanism described in Chapter 9 are not met for the Major Land Resource Areas within the District.

Table 10-4 summarizes the report for the triggering mechanism for 1995. A detailed report for 1995 is contained in Appendix D. The detailed report contains the nitrate levels for the years of 1988 through 1995 and for the last three years, 1993, 1994 and

1995 and the average, median and 25%/75% range.

### **10.2.3 Strategic Subareas for Management or Special Protection Areas**

There currently are no designated Strategic Subareas for Management of Special Protection Areas.

The District does not propose the establishment of a strategic subarea for a management area or a special protection area for quality at this time. The triggering mechanism described in Chapter 9 are not met for Target Areas within the District.

**Table 10-3  
Ground Water Quality  
Triggering Mechanism  
Summary  
for  
Target Areas  
1995**

<u>Township</u>	<u>Range</u>	<u>County</u>	<u>Triggering Mechanism (ppm)</u>	<u>1993/94/95 Average (ppm)</u>
19	37	Arthur	5.0	5.6
20	38	Arthur	5.0	7.0
20	39	Arthur	5.0	5.1
12	41	Keith	5.0	9.6
13	36	Keith	5.0	5.7
13	39	Keith	5.0	5.2
13	40	Keith	5.0	12.5
13	41	Keith	5.0	13.2
11	26	Lincoln	5.0	6.7
13	26	Lincoln	5.0	9.7
20	34	Lincoln	5.0	7.7

**Table 10-4  
Ground Water Quality  
Triggering Mechanism  
Summary  
for  
Management or Special Protection Areas  
1995**

<u>Major Land Resources Area</u>	<u>Triggering Mechanism for Phase 1 (ppm)</u>	<u>1993/94/95 Average (ppm)</u>
Central High Tableland	7.0	4.0
Nebraska Sandhills	7.0	1.7
Rolling Plains and Breaks	7.0	5.0
Central Nebraska Loess Hills	7.0	3.5

### **10.3 Implementation**

#### **10.3.1 Schedule**

January 1, 1996

The District will initiate Target Areas for ground water quantity for:

Township 11	Range 34	Lincoln County
Township 12	Range 36	Keith County

The triggering mechanism described in Chapter 8 were met for those Townships.

The District will initiate Target Areas for ground water quality for:

Township 19	Range 37	Arthur County
Township 20	Range 38	Arthur County
Township 20	Range 39	Arthur County
Township 12	Range 41	Keith County
Township 13	Range 36	Keith County
Township 13	Range 39	Keith County
Township 13	Range 40	Keith County
Township 13	Range 41	Keith County
Township 11	Range 26	Lincoln County
Township 13	Range 26	Lincoln County
Township 20	Range 34	McPherson County

The triggering mechanism described in Chapter 9 were met for those Townships.

The Board of Directors will annually during the month of November review the triggering mechanism for ground water quantity to determine if target areas or management or control areas should be implemented and for ground water quality to determine if target areas or management or special protection area should be implemented.

#### **10.3.2 Personnel**

The Board of directors will provide adequate personnel and financial support within available funding sources for implementation of the Ground Water Management Plan.

Effective January 1, 1996, the District will initiate a dedicated Ground Water and Surface Water Program and establish a staff position titled Water Programs Coordinator. The Water Programs Coordinator will initially dedicate 75% of their time for Water Programs including implementation of the Ground Water Management Plan.

There will be no additional personnel costs for the District to implement the Ground

Water Management Plan, as a current employee will be reassigned to the Water Programs Coordinator position and that employee's current job responsibilities will be reduced and/or reassigned to other personnel.

#### **10.4 Modification of Controls**

The Board of Directors will annually, during the month of November, review the monitoring data and procedure utilized for implementation of controls in a designated Strategic Subarea, Management Area, Special Protection Area or Control Area and modifications of the controls will be accomplished if the average of the previous three years of data has increased to the next triggering mechanism level or decreased to the previous triggering mechanism level.

#### **10.5 Dissolution of an Area**

The Board of Directors will annually, during the month of November, review the monitoring data and procedure utilized for designation of a Target Area, Strategic Subarea, Management Area, Special Protection Area or Control Area and dissolution of the area may be accomplished if the average of the previous three years of data has decreased below the triggering mechanism level which established the area.

GWLP:CH10