



**2004 Surface Water Quality Integrated Report  
Nebraska Department of Environmental Quality  
Water Quality Division**

**March 2004**

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## 1.0 Introduction

Section 303(d) of the federal Clean Water Act (CWA), which Congress enacted in 1972 requires states, territories and authorized tribes to identify and establish a priority ranking for all waterbodies in which technology-based effluent limitations required by section 301 are not stringent enough to attain and maintain applicable water quality standards, establish total maximum daily loads (TMDLs) for the pollutants causing impairment in those waterbodies, and submit, from time to time, the (revised) list of impaired waterbodies and TMDLs to the U.S. Environmental Protection Agency (EPA). The requirements to identify and establish TMDLs apply to all waterbodies regardless of whether a waterbody is impaired by point sources, nonpoint sources, or a combination of both. *Pronsolino v. Marcus*, 2000 WL 356305 (N.D. Cal. March 30, 2000.)

EPA issued regulations governing identification of impaired waterbodies and establishment of TMDLs at § 130.7 in 1985 and revised them in 1992 and again in 2000. However, on March 19, 2003, a final rule to formally and completely withdraw the 2000 regulations was published in the *Federal Register*. Therefore, the listing of impaired waters will be conducted under the 1985 TMDL regulations, as amended in 1992.

Section 305(b) of the CWA directs states to prepare a report every two (2) years that describes the status and trends of existing water quality, the extent to which designated uses are supported, pollution problems and sources and the effectiveness of the water pollution control programs.

On July 21, 2003 EPA issued guidance for the 2004 waterbody assessments and reporting requirements for Section 303(d) and Section 305(b) of the Clean Water Act. The final product is referred to as an “Integrated Report” and EPA’s goal for this report is to provide the general public with a comprehensive summary of state and national water quality. The NDEQ has opted to prepare such a report not only for the general public but also for water quality management planning purposes (e.g. future monitoring, TMDL development, best management practice implementation).

To facilitate the waterbody assessment process and accommodate the above recognized needs the Department prepared and utilized the *Methodologies for Waterbody Assessment and Developing the 2004 Integrated Report for Nebraska*. These procedures lay out the step-by-step process that was undertaken to characterize the waterbodies.

## 2.0 Waterbody Categories

Similar to the 2002 Section 303(d) List, the 2004 Integrated Report 2002 includes multiple categories of waterbodies to present information in a descriptive and comprehensive manner. The 5 waterbody categories are as follows:

**Category 1** – Waterbodies where all designated uses are met.

**Category 2** – Waterbodies where some of the designated uses are met but there is insufficient information to determine if all uses are being met.

**Category 3** – Waterbodies where there is insufficient data to determine if any beneficial uses are being met.

**Category 4** – Waterbody is impaired, but a TMDL is not needed. Sub-categories 4A-C outline the rationale for the waters not needing a TMDL:

**Category 4A** – Waterbody assessment indicates the waterbody is impaired, but all of the required TMDLs have been completed.

**Category 4B** – Waterbody is impaired, but “other pollution control requirements” are expected to address the water quality impairment(s) within a reasonable period of time. Other pollution control requirements include but are not limited to, National Pollutant Discharge Elimination System (NPDES) permits and best management practices.

**Category 4C** – Waterbody is impaired but the impairment is not caused by a pollutant. This category also includes waters where natural causes/sources have been determined to be the cause of the impairment. In general, natural causes/sources shall refer to those pollutants that originate from landscape geology and climactic conditions. It should be noted, this definition is not inclusive.

**Category 5** – Waterbodies where one or more beneficial uses are determined to be impaired by one or more pollutants and all of the TMDLs have not been developed. **Category 5 waters constitute the Section 303(d) list subject to EPA approval/disapproval.**

### **3.0 Data Sources**

The data assessed for the Integrated Report was obtained from several sources, including federal, state and local agencies and entities. A formal request for the data was made in September 2003. A copy of the data request letter will be submitted to EPA Region 7 as an attachment to the Integrated Report.

### **4.0 Assessment Outcomes and Interpretation**

Based on the procedures cited above, a waterbody beneficial use assessment can have 1 of 3 outcomes:

S = Beneficial use is supported

I = Beneficial use is impaired

Blank = insufficient data to determine if the beneficial use is supported or impaired.

The format of the Integrated Report is set to allow the user to navigate through a river basin, similar to the tables found in Title 117 – Nebraska Surface Water Quality Standards. The tables list the waterbody identification number, name and applicable beneficial uses. Shaded cells indicate the beneficial use has not been assigned to the waterbody.

### **5.0 Waterbody Beneficial Uses**

Beneficial uses are assigned to all surface waters within or bordering the State and descriptions of each can be found in Title 117 – Nebraska Surface Water Quality Standards (Title 117), Chapter 4. All uses are not assigned to all waters and use attainability analyses are utilized on a waterbody by waterbody basis to determine whether or not the use(s) are applicable. The beneficial uses defined by Title 117 are:

- Primary Contact Recreation
- Aquatic Life – Coldwater A, Coldwater B, Warmwater A and Warmwater B
- Water Supply – Public Drinking Water, Agriculture and Industrial
- Aesthetics

Title 117 includes 1556 designated stream segments and 515 lakes/impounded waters. The waterbody assessments also included 5 lakes/reservoirs that have not been assigned a waterbody identification number. Table 5.0a presents the beneficial use totals by river basin for streams and 5.0b presents the beneficial use totals by river basin for the lakes/impounded waters.

**Table 5a – Beneficial Use Totals for Streams**

	<b>Big Blue</b>	<b>Elkhorn</b>	<b>Little Blue</b>	<b>Loup</b>	<b>Lower Platte</b>	<b>Middle Platte</b>	<b>Missouri Tributaries</b>	<b>Nemaha</b>	<b>Niobrara</b>	<b>North Platte</b>	<b>Republican</b>	<b>South Platte</b>	<b>White River-Hat Creek</b>	<b>Total Segments</b>
<b>Total Segments</b>	63	135	38	106	126	29	136	326	268	136	102	28	63	1556
<b>Primary Contact Recreation</b>	3	5	2	23	8	6	4	7	14	11	11	1	1	96
<b>Aquatic Life – Coldwater Class A</b>	0	0	0	0	0	0	0	0	14	21	0	1	15	51
<b>Aquatic Life – Coldwater Class B</b>	0	1	0	36	1	3	3	0	164	80	19	13	36	356
<b>Aquatic Life – Warmwater Class A</b>	16	38	14	26	13	12	15	40	15	6	24	11	1	231
<b>Aquatic Life – Warmwater Class B</b>	47	96	24	44	112	14	118	286	75	29	59	3	11	918
<b>Water Supply – Public Drinking Water</b>	0	0	0	0	2	0	2	1	0	0	0	0	6	11
<b>Water Supply – Industrial</b>	0	0	0	0	0	0	1	1	1	0	0	0	0	3
<b>Water Supply – Agriculture Class A</b>	63	135	38	106	121	29	136	326	268	136	102	28	63	1551
<b>Water Supply – Agriculture Class B</b>	0	0	0	0	5	0	0	0	0	0	0	0	0	5
<b>Aesthetics</b>	63	135	38	106	126	29	136	326	268	136	102	28	63	1556
<b>Total</b>														<b>1556</b>

**Table 5b – Beneficial Use Totals for Lakes/Reservoirs**

	<b>Big Blue</b>	<b>Elkhorn</b>	<b>Little Blue</b>	<b>Loup</b>	<b>Lower Platte</b>	<b>Middle Platte</b>	<b>Missouri Tributaries</b>	<b>Nemaha</b>	<b>Niobrara</b>	<b>North Platte</b>	<b>Republican</b>	<b>South Platte</b>	<b>White River-Hat Creek</b>	<b>Total Segments</b>
<b>Total Lakes</b>	29	30	13	58	73	97	28	33	54	48	18	13	26	520
<b>Primary Contact Recreation</b>	29	30	13	58	73	97	28	33	54	48	18	13	26	520
<b>Aquatic Life – Coldwater Class A</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Aquatic Life – Coldwater Class B</b>	0	0	0	1	1	0	0	0	2	3	1	1	14	23
<b>Aquatic Life – Warmwater Class A</b>	29	30	13	57	72	97	28	33	52	45	17	12	12	497
<b>Aquatic Life – Warmwater Class B</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Water Supply – Public Drinking Water</b>	0	0	0	0	0	0	1	0	0	0	0	0	0	1
<b>Water Supply – Industrial</b>	0	0	0	0	2	2	1	0	3	1	0	2	0	11
<b>Water Supply – Agriculture Class A</b>	29	30	13	58	73	97	28	33	54	48	18	13	26	520
<b>Water Supply – Agriculture Class B</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Aesthetics</b>	29	30	13	58	73	97	28	33	54	48	18	13	26	520
<b>Total</b>														<b>520</b>

## 6.0 Waterbody Assessment Results

The results of the assessments by river basin and the state as a whole can be found on Table 6.0a for stream segments and 6.0b for lakes/reservoirs.

**Table 6a Results of 2004 Assessments for Streams**

Basin	Category 1	Category 2	Category 3	Category 4A	Category 4B	Category 4C	Category 5	Basin Total
Big Blue	0	9	49	0	0	0	5	63
Elkhorn	0	5	118	0	1	0	11	135
Little Blue	0	3	33	0	0	0	2	38
Loup	0	12	80	0	0	3	12	107
Lower Platte	0	5	100	0	1	6	14	126
Middle Platte	0	5	17	4	0	1	2	29
Missouri Tributaries	0	2	129	0	0	0	5	136
Nemaha	0	4	317	0	0	0	5	326
Niobrara	0	14	245	0	0	0	9	268
North Platte	0	15	112	3		2	4	136
Republican	0	15	74	0	1	4	8	102
South Platte	0	1	19	0	1	0	7	28
White-Hat	0	5	57	0	0	0	1	63
<b>Category Total</b>	<b>0</b>	<b>95</b>	<b>1350</b>	<b>7</b>	<b>4</b>	<b>16</b>	<b>85</b>	

**Table 6b Results of 2004 Assessments for Lakes/reservoirs**

Basin	Category 1	Category 2	Category 3	Category 4A	Category 4B	Category 4C	Category 5	Basin Total
Big Blue	0	9	16	0	0	0	4	29
Elkhorn	0	3	22	0	0	0	5	30
Little Blue	0	1	8	0	0	0	4	13
Loup	1	4	52	0	0	1	0	58
Lower Platte	2	3	52	3	0	0	13	73
Middle Platte	0	15	77	0	0	0	5	97
Missouri Tributaries	0	5	16	0	0	0	7	28
Nemaha	0	2	28	1	0	0	2	33
Niobrara	0	14	31	0	0	3	6	54
North Platte	1	2	37	0	0	4	4	48
Republican	2	1	10	0	0	0	5	18
South Platte	1	1	6	0	0	0	5	13
White-Hat	0	6	18	0	0	0	2	26
<b>Category Total</b>	<b>7</b>	<b>66</b>	<b>373</b>	<b>4</b>	<b>0</b>	<b>8</b>	<b>62</b>	

## **7.0 Total Maximum Daily Loads Targeted for Completion in Next 2 Years**

As required by 40 CFR Part 130.7, the TMDLs targeted for development within the next two years and the pollutants addressed are as follows:

Big Blue River Basin: BB1-10000, BB1-20000 and BB3-10000 (*E. coli*), BB2-L0020 (Atrazine and pH)

Little Blue River Basin: LB1-10000 and LB1-20000 (*E. coli*)

Middle Platte River Basin: MP2-L0520 (Fecal coliform and Nutrients)

Missouri Tributaries Basin: MT-L0120 (Sediment)

Nemaha River Basin: NE2-L0090 (Nutrients and Sediment)

Republican River Basin: RE1-10000, RE1-20000, RE1-50000, RE3-20000 and RE3-20300 (*E. coli*)

## **8.0 Public Participation**

The availability of the TMDLs in draft form was published in the Omaha World Herald, Lincoln Journal Star, Grand Island Independent, Kearney Daily Hub, Norfolk Daily News, North Platte Telegraph and the Scottsbluff Star-Herald with the public comment period running from February 5 to March 12, 2004. The Integrated Report and assessment methodologies were also made available to the public on the NDEQ's Internet site and announcement letters were mailed to interested stakeholders.

In response to the public notice, comment letters were received from: the City of Lincoln, Nebraska Farm Bureau, Nebraska Pork Producers Association and EPA Region 7. A summary of the comments and the Department's responses has been prepared and submitted with the final 2004 Surface Water Quality Integrated Report. No changes were made to the Integrated Report as a result of the comments.

It should be noted, minor modifications were made to the draft report prior to finalizing. These modifications were clarification or organizational in nature, formatting and errors in the pollutants identified. Included in these changes was the removal of atrazine as a pollutant impairing BB4-20800, Lincoln Creek. A re-review of the data indicated an error in the initial assessment. The final assessment did not yield an impaired status for BB4-20800.

## **Big Blue Basin – Hydrologic Units 10270201, 10270202, 10270203, 10270204 and 10270205**

The Big Blue River Basin includes 63 designated stream segments and 27 designated lakes/reservoirs. The waterbody assessments also included two recently completed reservoirs (Bear-Pierce-Cedar and Oxbow Trails) that have not been assigned waterbody identification numbers.

**Streams** – 3 segments within the Big Blue River basin have been assigned the primary contact recreation beneficial use, 16 segments are assigned the Warmwater A aquatic life use, 47 segments are assigned the Warmwater B aquatic life use and all segments are assigned the agriculture water supply and aesthetics beneficial use. No segments have been assigned the public drinking or industrial water supply use. The waterbody assessment yielded 9 Category 2 waterbodies, 49 Category 3 waterbodies and 5 Category 5 waterbodies. The pollutants causing the impairment or the parameters identified as impaired are: *E. coli* (3), fecal coliform (3), selenium (2), dieldrin (1), and dissolved oxygen (1).

**Lakes/Reservoirs** – All of the lakes/reservoirs in the Big Blue Basin have been assigned primary contact recreation, Warmwater A aquatic life, agriculture water supply and aesthetics beneficial uses. No lake or impounded water in the basin has been assigned the public drinking or industrial water supply use. The waterbody assessments yielded 9 Category 2 waterbodies, 16 Category 3 waterbodies and 4 Category 5 waterbodies. The pollutants causing the impairment or the parameters identified as impaired are: Nutrients (3), Mercury (1) and pH (1).

### ***Changes (Delistings) from 2002 Section 303(d) List***

**BB1-10000** - The segment was listed on Part 4 of the 2002 Section 303(d) list as impaired by ammonia with 2 industrial and one municipal WWTF identified as the sources. Water quality based NPDES permits were developed and issued in April 2003 that included ammonia limitations. Water quality information collected from the segment did not indicate the applicable criteria were being exceeded. Based upon the issuance of the permits and the available data, ammonia will be removed as a parameter.

**BB1-20000** - The segment was listed on Part 4 of the 2002 Section 303(d) list as impaired by ammonia with 2 industrial and one municipal WWTF identified as the sources. The issuance of water quality based NPDES permits that included ammonia limitations was completed for these facilities in October 2003. Based upon the issuance of the permit, ammonia will be removed as a parameter.

**BB1-L0030** - Big Indian Lake was included on the 2002 Section 303(d) list – part 1 as impaired by nutrients. Past assessments utilized a trophic state index (TSI) to determine whether nutrient levels were acceptable with aesthetics being the beneficial use targeted. In lieu of using a broad scale, generalized assessment tool such as the TSI, the Department has developed numeric nutrient values/goals based on regional environmental conditions to assess beneficial use support. In the future, the intent is to convert these goals to water quality criteria. Assessment of the applicable data from Big Indian Lake to the nutrient goal indicates the waterbody is supporting the use.

Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
<i>Streams</i>										
BB1-10800	Big Indian Creek		S					2		
BB1-10900	Big Indian Creek		S					2		
BB2-10000	Turkey Creek		S		S			2		
BB2-10100	Swan Creek		S					2		
BB2-20000	Turkey Creek		S					2		
BB3-10300	Beaver Creek		S					2		
BB3-20000	West Fork Big Blue River		S					2		
BB3-30000	West Fork Big Blue River		S					2		
BB4-20000	Big Blue River		S					2		
BB1-10100	Mission Creek							3		
BB1-10200	Mission							3		
BB1-10300	Spring Creek							3		
BB1-10400	Plum Creek							3		
BB1-10410	Arkeketa Creek							3		
BB1-10500	Plum							3		
BB1-10510	Tipps Creek							3		
BB1-10600	Wildcat Creek							3		
BB1-10610	Wolf Creek							3		
BB1-10700	Wildcat Creek							3		
BB1-10810	Squaw Creek							3		
BB1-10820	Sicily Creek							3		

1. Title 117 – Nebraska Water Quality Standards may include a legal location or descriptive text within the waterbody name. Please refer to Title 117 for these details

Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
BB1-11000	Bills Creek							3		
BB1-11100	Mud							3		
BB1-11110	Bloody Run							3		
BB1-11200	Mud Creek							3		
BB1-11300	Cedar Creek							3		
BB1-11400	Bear Creek							3		
BB1-11410	Pierce Creek							3		
BB1-11500	Bear Creek							3		
BB1-11600	Indian							3		
BB1-11610	Town Creek							3		
BB1-11700	Indian Creek							3		
BB1-11800	Bottle Creek							3		
BB1-11900	Cub Creek							3		
BB1-12000	Soap Creek							3		
BB1-20100	Clatonia Creek							3		
BB2-10110	South Fork Swan Creek							3		
BB2-10120	North Fork Swan Creek							3		
BB2-20100	Spring Creek							3		
BB2-30000	Turkey Creek							3		
BB2-40000	Turkey Creek							3		
BB3-10100	Johnson Creek							3		
BB3-10200	Walnut Creek							3		
BB3-10400	Beaver Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
BB3-20100	School Creek							3		
BB4-10000	Big Blue River							3		
BB4-20100	Coon Creek							3		
BB4-20200	Wolf Creek							3		
BB4-20300	Crooked Creek							3		
BB4-20400	Clark Creek							3		
BB4-20500	Unnamed Creek							3		
BB4-20600	Plum Creek							3		
BB4-20610	Big Weedy Creek							3		
BB4-20700	Plum Creek							3		
BB4-20900	Lincoln Creek							3		
BB4-30000	Big Blue River							3		
BB4-30100	North Fork Big Blue River							3		
BB4-30200	North Fork Big Blue River							3		
BB1-10000	Big Blue River	I	I		S			5	<i>E. coli</i> , Fecal coliform & Selenium	<i>E. coli</i> TMDL to be completed in 2004
BB1-20000	Big Blue River	I	S		S			5	<i>E. coli</i> & Fecal coliform	<i>E. coli</i> TMDL to be completed in 2004
BB3-10000	West Fork Big Blue River	I	I		S			5	<i>E. coli</i> , Fecal coliform, Selenium & Dieldrin	Fecal coliform TMDL approved in 3/01. <i>E. coli</i> TMDL to be completed in 2004. Fish Tissue Advisory Issued.
BB4-20800	Lincoln Creek		I		S			5	Selenium	

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
BB4-40000	Big Blue River		I		S			5	Dissolved Oxygen	
<b><i>Lakes/Reservoirs/Impounded Waters</i></b>										
BB1-L0030	Big Indian Lake		S		S		S	2		Waterbody meeting nutrient assessment goal
BB1-L0050	Wolf Wildcat Lake		S					2		
BB1-L0070	Cub Creek Lake 9b		S				S	2		
BB1-ND	Bear-Pierce-Cedar		S		S		S	2		
BB2-L0010	Swan Creek Lake 2a		S		S		S	2		
BB3-L0010	Smith Creek Lake		S				S	2		
BB3-L0050	Lake Hastings		S					2		
BB3-L0080	Recharge Lake		S		S		S	2		
BB3-ND	Oxbow Trails		S		S		S	2		
BB1-L0010	Donald Whitney Memorial Lake		S					3		
BB1-L0020	Diamond Lake South							3		
BB1-L0040	Arrowhead Lake							3		
BB1-L0100	Walnut Creek Lake 2a							3		
BB2-L0030	Friend City Park Lake							3		
BB2-L0040	Geneva City Lake							3		
BB3-L0020	Exeter City Lake							3		
BB3-L0030	Waco Basin							3		
BB3-L0040	Henderson Pond							3		
BB3-L0060	Hastings Northwest Dam Lake							3		
BB3-L0070	Heartwell Lake							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
BB4-L0010	David City Park Lake							3		
BB4-L0020	Seward City Park Pond							3		
BB4-L0030	Surprise City Lake							3		
BB4-L0040	Pioneer Trails Lake							3		
BB4-L0050	Aurora City Lake							3		
BB1-L0060	Rockford Lake	S	I		S		I	5	Nutrients, Mercury	Fish Tissue Advisory
BB1-L0080	Cub Creek Lake 12a		I		S		I	5	Nutrients	
BB1-L0090	Clatonia Lake		I				I	5	Nutrients	
BB2-L0020	Swan Creek Lake 5A	S	I		S		S	5	Atrazine, pH	TMDLs completed in next 2 years

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## **Elkhorn Basin – Hydrologic Units 10220001, 10220002, 10220003 and 10220004**

The Elkhorn River basin includes 135 designated stream segments and 30 designated lakes/reservoirs.

**Streams** – 5 Segments with the Elkhorn River basin have been assigned the primary contact recreation beneficial use, 1 segment is assigned the Coldwater B aquatic life use, 38 segments are assigned the Warmwater A aquatic life use and 96 segments have been assigned the Warmwater B aquatic life use. All 135 segments have been assigned the agriculture water supply and aesthetics beneficial use while no segments have been assigned the public drinking or industrial water supply use. The waterbody assessment yielded 6 Category 2 waters, 118 Category 3 waters, 1 Category 4B waterbody and 11 Category 5 waters. The pollutants causing the impairment or the parameter identified as impaired are: Fecal coliform (5), Selenium (6), Dieldrin (2), Mercury (1), PCBs (1) and pH (1).

**Lakes/Reservoirs** – All of the lakes/reservoirs in the Elkhorn Basin have been assigned primary contact recreation, Warmwater A aquatic life, agriculture water supply and aesthetics beneficial uses. No lake or impounded water in the basin has been assigned the public drinking or industrial water supply use. The waterbody assessments yielded 3 Category 2 waterbodies, 22 Category 3 waterbodies and 5 Category 5 waterbodies. The pollutants causing the impairment or the parameter identified as impaired are: nutrients (3), pH (2), Ammonia (1) and Mercury (1).

### ***Changes (Delistings) from 2002 Section 303(d) List***

**EL1-10000** – The segment was included on the 2002 Section 303(d) list as impaired by excessive ammonia with the listing being the lack of a water quality based NPDES permit for municipalities discharging to the lower segment. A water quality based NPDES permit that included ammonia limitations was reissued to the Fremont WWTF in November 2003. As well, water quality data collected downstream of the identified facilities indicates the water quality criteria is being met. Based on the issuance of the permit and the available data, ammonia will be removed as a parameter.

**EL1-10400** – The segment was included on the 2002 Section 303(d) list as impaired by excessive total residual chlorine with the supporting data being generated from NPDES permittee self-monitoring. A review of the data submitted by the permittee on the discharge monitoring reports indicates the NPDES permit limits have not been exceeded in the previous 5-year period. Based upon this the waterbody will be delisted.

**EL1-20000** – The segment was included on the 2002 Section 303(d) list as impaired by excessive ammonia, with the source being point source discharges. Data collected from the segment did not reveal any violations of the acute or chronic criteria in 42 samples. Based upon this, the ammonia will be removed as a parameter.

**EL1-20130** – The segment was included on the 2002 Section 303(d) list as impaired by organic enrichment with the supporting data being generated from NPDES permittee self-monitoring. A review of the data submitted by the permittee on the discharge monitoring reports indicate the carbonaceous biochemical oxygen demand limits were only exceeded once during the previous 5 year period. Based upon this the waterbody will be delisted.

**EL1-22100** – The segment was included on the 2002 Section 303(d) list as impaired by ammonia with the source being an industrial point source discharge. The facility in question has constructed and operated a complete retention lagoon system and dispose of the treated effluent via land application. The current NPDES permit does not allow for a discharge to surface waters. Based upon this the waterbody will be delisted.

**EL2-20900** – The segment was included on the 2002 Section 303(d) list as impaired by ammonia with the supporting data being generated from NPDES permittee self-monitoring. A review of the data submitted by the permittee on the discharge monitoring reports indicate the ammonia limits were not exceeded during the previous 5 year period. Based upon this the waterbody will be delisted.

**EL3-10100** – The segment was included on the 2002 Section 303(d) list as impaired by total dissolved solids with the supporting data being generated from NPDES self-monitoring. A water quality based NPDES permit was issued to the facility in question in February 2004. Because the control is in place, the waterbody will be delisted.

**EL4-10000** – The waterbody was included on the 2002 Section 303(d) list as impaired by ammonia with the supporting data being generated from NPDES self-monitoring. A review of the data submitted by one permittee on the discharge monitoring reports indicates the ammonia limits were not exceeded during the previous 5-year period. Monitoring data collected from the segment did not yield a violation in 60 data points. Based upon this the waterbody will be delisted.

Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
<i>Streams</i>										
EL1-20410	Willow Creek		S					2		
EL1-22100	Union Creek		S					2		
EL3-10000	North Fork Elkhorn River		S					2		
EL3-20200	Willow Creek		S					2		
EL4-20700	South Fork Elkhorn River		S		S			2		
EL1-10100	Unnamed Creek							3		
EL1-10200	Big Slough Creek							3		
EL1-10300	Rawhide Creek							3		
EL1-10400	Rawhide Creek							3		
EL1-10500	Rawhide Creek							3		
EL1-10600	Bell Creek							3		
EL1-10610	Brown Creek							3		
EL1-10620	Little Bell Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
EL1-10630	Unnamed Creek							3		
EL1-10700	Bell Creek							3		
EL1-10800	Unnamed Creek							3		
EL1-10910	Crystal Creek							3		
EL1-10920	East Fork Maple Creek							3		
EL1-10930	West Fork Maple Creek							3		
EL1-10931	Dry Creek							3		
EL1-10931.1	South Fork Dry Creek							3		
EL1-10932	Dry Creek							3		
EL1-10933	Unnamed Creek							3		
EL1-10934	Unnamed Creek							3		
EL1-10940	West Fork Maple Creek							3		
EL1-11000	Clark Creek							3		
EL1-20110	Silver Creek							3		
EL1-20120	Unnamed Creek							3		
EL1-20121	Unnamed Creek							3		
EL1-20130	Unnamed Creek							3		
EL1-20200	Pebble Creek							3		
EL1-20210	South Branch Pebble Creek							3		
EL1-20220	North Branch Pebble Creek							3		
EL1-20300	Pebble Creek							3		
EL1-20400	Cuming Creek							3		
EL1-20500	Cuming Creek							3		
EL1-20600	Fisher Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
EL1-20700	Plum Creek							3		
EL1-20800	Plum Creek							3		
EL1-20810	Dry Creek							3		
EL1-20820	Kane Creek							3		
EL1-20900	Plum Creek							3		
EL1-21000	Rock Creek							3		
EL1-21100	Leisy Creek							3		
EL1-21200	Sand Creek							3		
EL1-21300	Humbug Creek							3		
EL1-21310	South Humbug Creek							3		
EL1-21400	Humbug Creek							3		
EL1-21500	Payne Creek							3		
EL1-21600	Cedar Creek							3		
EL1-21700	Indian Creek							3		
EL1-21800	Butterfly Creek							3		
EL1-21900	Union Creek							3		
EL1-21910	Sand Creek							3		
EL1-21920	Meridian Creek							3		
EL1-21921	Tracy Creek							3		
EL1-21930	Meridian Creek							3		
EL1-22010	Taylor Creek							3		
EL1-22200	Unnamed Creek							3		
EL1-22300	Unnamed Creek							3		
EL2-10100	Unnamed Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
EL2-10200	Little Logan Creek							3		
EL2-10210	Unnamed Creek							3		
EL2-10300	Little Logan Creek							3		
EL2-10400	Big Slough Creek							3		
EL2-20100	Rattlesnake Creek							3		
EL2-20200	Unnamed Creek							3		
EL2-20300	Middle Creek							3		
EL2-20400	Rattlesnake Creek							3		
EL2-20500	Unnamed Creek							3		
EL2-20600	Unnamed Creek							3		
EL2-20700	Coon Creek							3		
EL2-20800	South Logan Creek							3		
EL2-20810	Dog Creek							3		
EL2-20900	South Logan Creek							3		
EL2-20910	Deer Creek							3		
EL2-20911	Unnamed Creek							3		
EL2-20920	Deer Creek							3		
EL2-21000	South Logan Creek							3		
EL2-30000	Logan Creek							3		
EL2-30100	North Logan Creek							3		
EL2-40000	Logan Creek							3		
EL2-40100	Baker Creek							3		
EL2-40200	Middle Logan Creek							3		
EL2-40300	Perrin Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
EL3-10100	Spring Creek							3		
EL3-20100	Hadar Creek							3		
EL3-20300	Willow Creek							3		
EL3-20400	Dry Creek							3		
EL3-20500	Dry Creek							3		
EL3-30000	North Fork Elkhorn River							3		
EL3-30100	West Branch North Fork Elkhorn River							3		
EL3-30110	Breslau Creek							3		
EL3-40000	North Fork Elkhorn River							3		
EL4-10100	Unnamed Creek							3		
EL4-10200	Unnamed Creek							3		
EL4-10300	Unnamed Creek							3		
EL4-10400	Battle Creek							3		
EL4-10500	Battle Creek							3		
EL4-10600	Deer Creek							3		
EL4-10700	Buffalo Creek							3		
EL4-10800	Dry Creek							3		
EL4-10900	Al Hopkins Creek							3		
EL4-11000	Giles Creek							3		
EL4-11100	Ives Creek							3		
EL4-11200	Trueblood Creek							3		
EL4-11300	Cedar Creek							3		
EL4-11310	Blacksnake Creek							3		
EL4-11400	Cedar Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
EL4-20100	Belmar Creek							3		
EL4-20200	Antelope Creek							3		
EL4-20300	Clearwater Creek							3		
EL4-20400	Clearwater Creek							3		
EL4-20500	Cache Creek							3		
EL4-20600	Cache Creek							3		
EL4-20800	South Fork Elkhorn River							3		
EL4-30100	Willow Swamp Creek							3		
EL4-30200	Dry Creek							3		
EL4-30300	Dry Creek							3		
EL4-30400	Holt Creek							3		
EL4-30500	Holt Creek							3		
EL4-40100	South Fork Elkhorn River							3		
EL4-40200	North Fork Elkhorn River							3		
EL1-22000	Union Creek		S					4B	Ammonia	NPDES permit considered a high priority for 2004
EL1-10000	Elkhorn River	I	I		S			5	Fecal coliform, Selenium, Dieldrin & PCBs	Fish Tissue Advisory Issued
EL1-10900	Maple Creek		I		S			5	Selenium	
EL1-20000	Elkhorn River	I	S		S			5	Fecal coliform	
EL1-20100	Pebble Creek		I		S			5	Selenium	
EL2-10000	Logan Creek		I		S			5	Selenium, PCBs & Dieldrin	Fish Tissue Advisory Issued
EL2-20000	Logan Creek		I		S			5	Selenium	

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
EL3-20000	North Fork Elkhorn River		I		S			5	Selenium	
EL4-10000	Elkhorn River	I	S		S			5	Fecal coliform	
EL4-20000	Elkhorn River	I	S					5	Fecal coliform	
EL4-30000	Elkhorn River	I	I		S			5	Ammonia, Fecal coliform & Mercury	Fish Tissue Advisory Issued
EL4-40000	Elkhorn River		I		S			5	pH	
<b>Lakes/Reservoirs/Impounded Waters</b>										
EL4-L0020	Skyview Lake		S				S	2		
EL4-L0080	Swan Lake		S					2		
EL4-L0100	Fish Lake		S					2		
EL1-L0010	Highway 275 Bypass Lake No. 1							3		
EL1-L0020	Highway 275 Bypass Lake No. 2							3		
EL1-L0030	Highway 275 Bypass Lake No. 4							3		
EL1-L0040	Highway 275 Bypass Lake No. 3							3		
EL1-L0050	Hooper City Lake							3		
EL1-L0060	West Point City Lake							3		
EL1-L0090	Leigh Tri-County Lake							3		
EL1-L0100	Wood Duck Lake							3		
EL1-L0110	Loes Lake							3		
EL1-L0120	Pillar Lake							3		
EL1-L0130	Wood Duck Pond							3		
EL2-L0010	Lyons City Park Lake							3		
EL2-L0020	Wayne Issac Walton Lake							3		
EL3-L0020	Pierce City Lake							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
EL3-L0030	Andy's Lake							3		
EL4-L0010	Ta-Ha-Zouka Park Lagoon							3		
EL4-L0030	Antelope County Country Club Lake							3		
EL4-L0040	Penn Park Lake							3		
EL4-L0050	Goose Lake							3		
EL4-L0060	O'Neill City Lake							3		
EL4-L0070	Atkinson Lake							3		
EL4-L0110	Peterson Lake							3		
EL1-L0070	Pilger Reservoir		I		S		S	5	pH	
EL1-L0080	Maskenthine Reservoir		I		S		I	5	pH, Nutrients, Mercury	Fish Tissue Advisory Issued
EL1-L0140	Dead Timber Lake		I		S		I	5	Nutrients	
EL3-L0010	Willow Creek Reservoir		I		S		S	5	pH	
EL4-L0090	Overton Lake		I		S		I	5	Nutrients	

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## Little Blue Basin – Hydrologic Units 10270206 and 10270207

The Little Blue River Basin includes 38 designated stream segments and 13 designated lakes/reservoirs.

**Streams** – 2 segments within the Little Blue basin have been assigned the primary contact recreation beneficial use, 14 segment as assigned the Warmwater A aquatic life use, 24 segments are assigned the Warmwater B aquatic life use and all segments are assigned the agriculture water supply and aesthetics beneficial use. No segments have been assigned the public drinking or industrial water supply use. The waterbody assessment yielded 3 Category 2 waterbodies, 33 Category 3 waterbodies and 2 Category 5 waterbodies. The pollutants causing the impairment or the parameters identified as impaired are: *E. coli* (2) and fecal coliform (2).

**Lakes/Reservoirs** – All of the lakes/reservoirs in the Big Blue Basin have been assigned primary contact recreation, Warmwater A aquatic life, agriculture water supply and aesthetics beneficial uses. No lake or impounded water in the basin has been assigned the public drinking or industrial water supply use. The waterbody assessments yielded 1 Category 2 waterbody, 8 Category 3 waterbodies and 4 Category 5 waterbodies. The pollutants causing the impairment or the parameters identified as impaired are: pH (3), Nutrients (1) and Mercury (1).

### Changes (Delistings) from 2002 Section 303(d) List

**LB1-10000** – The segment was included on the 2002 Section 303(d) as impaired by pH outside of the acceptable range. Review of the available data indicates the pH exceeded the criteria 5 of 63 measurements. This rate does not meet that necessary to define impairment and therefore the parameter will be delisted.

**LB1-L0010** – The available data did not meet the data quality considerations established with the *Methodology for Waterbody Assessment and Development of the 2004 Integrated Report for Nebraska*, October 2003 and therefore the waterbody will be not be considered impaired rather the waterbody will be considered with insufficient information to determine if any beneficial uses are being met.

Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
<b>Streams</b>										
LB2-10100	Big Sandy Creek		S		S			2		
LB2-10220	Little Sandy Creek		S					2		
LB2-20000	Little Blue River		S		S			2		
LB1-10100	Coon Creek							3		
LB1-10200	Rock Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses							Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics				
LB1-10300	Smith Creek							3			
LB1-10400	Rose Creek							3			
LB1-10410	Dry Branch							3			
LB1-10420	Silver Creek							3			
LB1-10430	Buckley Creek							3			
LB1-10500	Rose Creek							3			
LB1-10510	Wiley Creek							3			
LB1-10520	Balls Branch							3			
LB1-10530	Spring Branch							3			
LB1-10600	Rose Creek							3			
LB1-10700	Whiskey Run							3			
LB1-10800	Little Sandy Creek							3			
LB2-10110	Dry Sandy Creek							3			
LB2-10200	Big Sandy Creek							3			
LB2-10210	South Fork Big Sandy Creek							3			
LB2-10300	Big Sandy Creek							3			
LB2-10400	Dry Creek							3			
LB2-10500	Spring Creek							3			
LB2-10510	Unnamed Creek							3			
LB2-10600	Spring Creek							3			
LB2-20100	Elk Creek							3			
LB2-20200	Elk Creek							3			
LB2-20300	Ox Bow Creek							3			
LB2-20400	Walnut Creek							3			

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses							Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics				
LB2-20500	Liberty Creek							3			
LB2-30000	Little Blue River							3			
LB2-30100	Pawnee Creek							3			
LB2-30200	Ash Creek							3			
LB2-30300	Thirty-Two Mile Creek							3			
LB2-40000	Little Blue River							3			
LB2-40100	Scott Creek							3			
LB1-10000	Little Blue River	I	S		S			5	<i>E. coli</i> & Fecal coliform		
LB2-10000	Little Blue River	I	S		S			5	<i>E. coli</i> & Fecal coliform		
<b>Lakes/Reservoirs/Impounded Waters</b>											
LB2-L0090	Roseland Lake		S		S		S	2			
LB1-L0010	Buckley Reservoir							3		Available data does not meet assessment criteria	
LB1-L0020	Crystal Springs Northwest Lake							3			
LB1-L0030	Crystal Springs Center Lake							3			
LB1-L0040	Crystal Springs East Lake							3			
LB2-L0010	Alexandria Lake No. 2							3			
LB2-L0020	Alexandria Lake No. 1							3			
LB2-L0060	Brick Yard Park Pond							3			
LB2-L0070	Crystal Lake							3			
LB2-L0030	Alexandria Lake No. 3		I		S		S	5	pH		
LB2-L0040	Bruning Dam Lake		I		S		I	5	Nutrients		
LB2-L0050	Liberty Cove Lake		I		S		S	5	pH, Mercury	Fish Tissue Advisory Issued	
LB2-L0080	Prairie Lake		I		S		S	5	pH		

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## **Loup River Basin – 10210001, 10210002, 10210003, 10210004, 10210005, 10210006, 10210007, 10210008, 10210009 and 10210010**

The Loup River Basin includes 106 designated stream segments and 57 designated lakes/reservoirs. The waterbody assessment also included one reservoir (Davis Creek) that has not been assigned waterbody a waterbody identification number.

**Streams** – 26 segments within the Loup River basin have been assigned the primary contact recreation beneficial use, 36 segments as assigned the Coldwater B aquatic life use, 26 segments have been assigned the Warmwater A aquatic life use, 44 have been assigned the Warmwater B aquatic life use and all of the segments are assigned the agriculture water supply and aesthetics beneficial use. No segments have been assigned the public drinking or industrial water supply use. The waterbody assessment yielded 12 Category 2 waterbodies, 80 Category 3 waterbodies, 3 Category 4C waterbodies and 12 Category 5 waterbodies. The pollutants causing the impairment or the parameters identified as impaired are: *E. coli* (12) and temperature (2).

**Lakes/Reservoirs** – All of the lakes/reservoirs in the Loup Basin have been assigned the primary contact recreation, agriculture water supply and aesthetics beneficial uses. One lake is assigned the Coldwater B aquatic life use and the remaining 57 are assigned the Warmwater A aquatic life use. No lake or impounded water has been assigned the public drinking or industrial water supply use. The waterbody assessment yielded 1 Category 1 waterbody, 4 Category 2 waterbodies, 52 Category 3 waterbodies and 1 Category 4C waterbodies. No lake or impounded water was assessed to have an impaired beneficial use.

### ***Changes (Delisting) from 2002 Section 303(d) list***

**LO2-11300** – The segment was included on the 2002 Section 303(d) list as impaired by excessive fecal coliform bacteria using data collected in 1998. In 2002, the Department proposed and received EPA approval to add *E. coli* as a parameter to evaluated the primary contact recreation beneficial use. Assessment of *E. coli* data collected from the segment during the 2003 recreation season indicates the waterbody is supporting the beneficial use. The available data does indicate the temperature criteria is being exceeded however, there are not anthropogenic sources of heat discharging to the segment. Based upon these assessments the waterbody will be relocated to Part 4C.

**LO2-20000** – The segment was included on the 2002 Section 303(d) list as impaired by excessive fecal coliform bacteria using data collected in 1998. In 2002, the Department proposed and received EPA approval to add *E. coli* as a parameter to evaluated the primary contact recreation beneficial use. Assessment of *E. coli* data collected from the segment during the 2003 recreation season indicates the waterbody is supporting the beneficial use. The available data does indicate the temperature criteria is being exceeded however, there are not anthropogenic sources of heat discharging to the segment. Based upon these assessments the waterbody will be relocated to Part 4C.

**LO3-20000** – The segment was included on the 2002 Section 303(d) list as impaired by excessive fecal coliform bacteria using data collected in 1998. In 2002, the Department proposed and received EPA approval to add *E. coli* as a parameter to evaluated the primary contact recreation beneficial use. Assessment of *E. coli* data collected from the segment during the 2003 recreation season indicates the waterbody is supporting the beneficial use. Based upon this assessment the waterbody will be delisted.

**LO3-50100** – The segment was included on the 2002 Section 303(d) list as impaired by excessive fecal coliform bacteria using data collected in 1998. In 2002, the Department proposed and received EPA approval to add *E. coli* as a parameter to evaluated the primary contact recreation beneficial use. Assessment of *E. coli* data collected from the segment during the 2003 recreation season indicates the waterbody is supporting the beneficial use. The available data does indicate the temperature criteria is being exceeded however, there are not anthropogenic sources of heat discharging to the segment. Based upon these assessments the waterbody will be relocated to Part 4C.

**LO3-50200** - The segment was included on the 2002 Section 303(d) list as impaired by excessive fecal coliform bacteria using data collected in 1998. In 2002, the Department proposed and received EPA approval to add *E. coli* as a parameter to evaluate the primary contact recreation beneficial use. Assessment of *E. coli* data collected from the segment during the 2003 recreation season indicates the waterbody is supporting the beneficial use. Based upon this assessment the waterbody will be delisted.

**LO3-70000** - The segment was included on the 2002 Section 303(d) list as impaired by excessive fecal coliform bacteria using data collected in 1998. In 2002, the Department proposed and received EPA approval to add *E. coli* as a parameter to evaluate the primary contact recreation beneficial use. Assessment of *E. coli* data collected from the segment during the 2003 recreation season indicates the waterbody is supporting the beneficial use. Based upon this assessment the waterbody will be delisted.

**LO4-10200** – The segment was included on the 2002 Section 303(d) list as impaired by excessive fecal coliform bacteria using data collected in 1998. Review of the data indicated the monitoring location was not within the boundaries of the designated segment and therefore the listing was incorrect. Based upon this the waterbody will be considered with insufficient information to determine if any beneficial uses are being met.

**LO4-30000** – The segment was included on the 2002 Section 303(d) list as impaired by excessive fecal coliform bacteria using data collected in 1998. The available data did not meet the data quality consideration established with the *Methodology for Waterbody Assessment and Development of the 2004 Integrated Report for Nebraska*, October 2003 and therefore the waterbody will be not be considered impaired rather the waterbody will be considered with insufficient information to determine if any beneficial uses are being met.

Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses					Aesthetics	Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply				
<i>Streams</i>										
LO1-10600	Beaver Creek		S		S			2		
LO1-20200	Loup River Canal		S		S			2		
LO1-30310	Timber Creek		S		S			2		
LO2-10400	Mira Creek		S		S			2		
LO3-10200	Turkey Creek		S		S			2		
LO3-20000	Middle Loup River	S	S		S			2		
LO3-40000	Middle Loup River	S	S		S			2		
LO3-50000	Middle Loup River	S	S		S			2		
LO3-50200	Dismal River	S	S		S			2		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
LO3-70000	Middle Loup River	S	S		S			2		
LO4-10100	Mud Creek		S		S			2		
LO1-10100	Barnum Creek							3		
LO1-10200	Cherry Creek							3		
LO1-10300	Unnamed Creek							3		
LO1-10400	Looking-Glass Creek							3		
LO1-10500	Looking-Glass Creek							3		
LO1-10610	Bogus Creek							3		
LO1-10700	Beaver Creek							3		
LO1-10800	Beaver Creek							3		
LO1-10900	Beaver Creek							3		
LO1-10910	Unnamed Tributary							3		
LO1-11000	Beaver Creek							3		
LO1-20000	Loup River							3		
LO1-20100	Unnamed Creek							3		
LO1-30100	Council Creek							3		
LO1-30200	Plum Creek							3		
LO1-30311	South Branch Timber Creek							3		
LO1-30312	North Branch Timber Creek							3		
LO1-30320	Clear Creek							3		
LO1-30400	Cedar River							3		
LO1-30500	Cedar River							3		
LO1-30510	Dry Cedar Creek							3		
LO1-30600	Cedar River							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
LO1-30610	Little Cedar Creek							3		
LO1-30620	Big Cedar Creek							3		
LO1-30700	Spring Creek							3		
LO1-30710	West Branch Spring Creek							3		
LO1-30800	Spring Creek							3		
LO2-10100	Auger Creek							3		
LO2-10200	Munson Creek							3		
LO2-10300	Davis Creek							3		
LO2-10410	South Branch Mira Creek							3		
LO2-10500	Messenger Creek							3		
LO2-10600	Spring Creek							3		
LO2-10700	Elm Creek							3		
LO2-10800	Unnamed Creek							3		
LO2-10900	Dane Creek							3		
LO2-11000	Haskell Creek							3		
LO2-11100	Turtle Creek							3		
LO2-11200	Bean Creek							3		
LO2-11310	Gracie Creek							3		
LO2-11320	Bloody Creek							3		
LO2-11330	Skull Creek							3		
LO2-11500	Calamus River							3		
LO2-11600	Calamus River							3		
LO2-20100	Goose Creek							3		
LO2-20200	Goose Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
LO2-30100	Pass Creek							3		
LO2-40100	Brush Creek							3		
LO2-40200	Big Creek							3		
LO2-50000	North Loup River							3		
LO2-60000	North Loup River							3		
LO2-70000	North Loup River							3		
LO2-70100	Mud Creek							3		
LO3-10100	Lake Creek							3		
LO3-10300	Oak Creek							3		
LO3-10400	Oak Creek							3		
LO3-40100	Unnamed Creek							3		
LO3-40200	Wagner Creek							3		
LO3-40300	Lillian Creek							3		
LO3-40400	Victoria Creek							3		
LO3-50310	South Fork Dismal River							3		
LO3-50320	South Fork Dismal River							3		
LO3-50330	North Fork Dismal River							3		
LO3-50340	North Fork Dismal River							3		
LO3-60000	Middle Loup River							3		
LO3-70100	South Branch Middle Loup River							3		
LO3-70200	North Branch Middle Loup River							3		
LO3-70210	Middle Branch Middle Loup River							3		
LO3-70300	North Branch Middle Loup River							3		
LO4-10110	Spring Branch							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
LO4-10120	Clear Creek							3		
LO4-10200	Mud Creek							3		
LO4-10210	Dutchman Valley							3		
LO4-20100	Spring Creek							3		
LO4-30000	South Loup River							3		
LO4-30100	Unnamed Creek							3		
LO4-30200	Unnamed Creek							3		
LO4-40000	South Loup River							3		
LO4-40100	North Fork South Loup River							3		
LO4-50000	South Loup River							3		
LO2-11300	Calamus River	S	I		S			4C	Temperature	
LO2-20000	North Loup River	S	I		S			4C	Temperature	
LO3-50100	Dismal River	S	I		S			4C	Temperature	
LO1-10000	Loup River	I	S		S			5	<i>E. coli</i>	
LO1-30000	Loup River	I	S		S			5	<i>E. coli</i>	
LO1-30300	Cedar River	I	S		S			5	<i>E. coli</i>	
LO2-10000	North Loup River	I	S		S			5	<i>E. coli</i>	
LO2-11400	Calamus River	I	S		S			5	<i>E. coli</i>	
LO2-30000	North Loup River	I	I		S			5	<i>E. coli</i> & Temperature	
LO2-40000	North Loup River	I	I		S			5	<i>E. coli</i> & Temperature	
LO3-10000	Middle Loup River	I	S		S			5	<i>E. coli</i>	
LO3-30000	Middle Loup River	I	S		S			5	<i>E. coli</i>	

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
LO3-50300	Dismal River	I	S		S			5	<i>E. coli</i>	
LO4-10000	South Loup River	I	S		S			5	<i>E. coli</i>	
LO4-20000	South Loup River	I	S		S			5	<i>E. coli</i>	
<b>Lakes/Reservoirs/Impounded Waters</b>										
LO3-L0020	Sherman Reservoir	S	S		S		S	1		
LO2-L0050	Calamus Reservoir	S						2		
LO2-L0060	Clear Lake		S		S		S	2		
LO2-L0080	Long Lake		S		S		S	2		
LO2-ND	Davis Creek		S		S		S	2		
LO1-L0010	Columbus City Park Pond							3		
LO1-L0020	Columbus Issac Walton Lake							3		
LO1-L0030	Pawnee Park Lake							3		
LO1-L0040	Stires Lake							3		
LO1-L0050	Wagner's Lake							3		
LO1-L0060	Loup Power District Headgate Pond No. 1							3		
LO1-L0070	Loup Power District Headgate Pond No. 2							3		
LO1-L0080	Loup Power District Headgate Pond No. 3							3		
LO1-L0090	Loup Power District Headgate Pond No. 4							3		
LO1-L0100	Loup Power District Headgate Pond No. 5							3		
LO1-L0110	Stevenson's Lake							3		
LO1-L0120	Wolbach City Lake							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
LO1-L0130	Pibel Lake							3		
LO1-L0140	Lake Ericson							3		
LO1-L0150	Fullerton City Lake							3		
LO2-L0010	North Loup Lake							3		
LO2-L0020	Ord City Lake							3		
LO2-L0030	Burwell Lake							3		
LO2-L0040	Burwell Park Lake							3		
LO2-L0070	Enders Overflow Lake							3		
LO2-L0090	South Twin Lake							3		
LO2-L0100	Dew Lake							3		
LO2-L0110	Crooked Lake							3		
LO2-L0120	East Long Lake							3		
LO2-L0130	Twenty-One Lake							3		
LO2-L0140	Center Lake							3		
LO2-L0150	Lee Lake							3		
LO2-L0160	Pony Lake							3		
LO2-L0170	East Sweetwater Lake							3		
LO2-L0180	Cow Lake							3		
LO2-L0190	Round Lake							3		
LO2-L0200	Homestead Lake							3		
LO2-L0210	Campbell Lake							3		
LO2-L0220	Lost Lake							3		
LO2-L0230	Dad's Lake							3		
LO2-L0240	Baker Lake							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
LO2-L0250	Coleman Lake							3		
LO2-L0260	Rat And Beaver Lake							3		
LO2-L0270	Mule Lake							3		
LO2-L0280	Devil's Punch Bowl Lake							3		
LO3-L0010	Farwell South Reservoir							3		
LO3-L0030	Bowman Lake							3		
LO3-L0040	Victoria Springs Lake							3		
LO3-L0050	Halsey Trout Pond							3		
LO3-L0060	Spring Valley Lake							3		
LO3-L0070	Frye Lake							3		
LO3-L0080	Three Corners Lake							3		
LO4-L0010	Ravenna Lake							3		
LO4-L0020	Beaver Creek							3		
LO4-L0030	Ansley City Lake							3		
LO4-L0040	Melham Park Lake							3		
LO4-L0050	Arnold Lake							3		
LO3-L0090	Alkali Lake		I		S		S	4C	pH	

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## **Lower Platte River Basin – Hydrologic Units 10200201, 10200202 and 10200203**

The Lower Platte River Basin includes 126 designated stream segments and 73 designated lakes/reservoirs.

**Streams** – 8 segments within the Lower Platte River basin have been assigned the primary contact recreation beneficial use, 1 waterbody is assigned the Coldwater B aquatic life use, 13 segments are assigned the Warmwater A aquatic life use and 112 segments are assigned the Warmwater aquatic B use. Five segments have been assigned the Agriculture B water supply use and the remainder have been assigned the Agriculture A water supply use. Two of the stream segments have been assigned the public drinking water supply use and all of the stream segments have been assigned the aesthetics beneficial use. No stream segments are assigned the industrial water supply beneficial use. The waterbody assessments yielded 5 Category 2 waterbodies, 100 Category 3 waterbodies, 1 category 4B waterbody, 6 Category 4C waterbodies and 14 Category 5 waterbodies. The pollutants causing the impairment or the parameters identified as impaired are: fecal coliform (8), selenium (4), PCBs (4), dieldrin (2), iron (2), atrazine (1), carbon tetrachloride (1) *E. coli* (1) and pH (1).

**Lakes/Reservoirs** – All of the lakes/reservoirs in the Lower Platte basin have been assigned primary contact recreation, agriculture water supply and aesthetics beneficial uses. One lake/reservoir is assigned the Coldwater B aquatic life use while the remainder has been assigned the Warmwater Class A aquatic life use. Two lakes/reservoirs have been assigned the industrial water supply beneficial use while no lakes or reservoirs have been assigned the public drinking water use. The waterbody assessment yielded 2 Category 1 waterbodies, 3 Category 2 waterbodies, 52 Category 3 waterbodies, 3 Category 4A waterbodies and 13 Category 5 waterbodies. The pollutants causing the impairment or the parameters identified as impaired are: nutrients (8), pH (5), sediment (4), dissolved oxygen (2), salinity (1) and mercury (1).

### ***Changes (Delisting) from 2002 Section 303(d) List***

**Undesignated Tributary to LP1-11500** – The segment was listed on the 2002 Section 303(d) list as impaired by excessive total residual chlorine with the supporting data being generated from NPDES permittee self-monitoring. The facility has converted the wastewater treatment system from a mechanical facility to a septic system with no discharge to surface waters. There is no NPDES permit allowing a discharge to surface waters. Based upon this the waterbody will be delisted.

**LP2-10000** – The segment was included on the 2002 Section 303(d) list as impaired by excessive ammonia. Ambient water quality data indicates neither the acute or chronic water quality criteria were exceeded in 38 measurements. Based upon this the parameter will be delisted.

**LP2-L0050** – Stagecoach Lake was included on the 2002 Section 303(d) list as impaired by excessive sedimentation. In 2002, additional data was collected by the USGS using enhanced technology. The new data indicates the percent volume loss and annual sedimentation rate goals are being met. Based upon the new data the parameters will be delisted.

**LP2-L0120** – Wildwood Lake was listed on the 2002 Section 303(d) list as impaired by excessive sedimentation and nutrients. In 2000 a renovation project was initiated to address the impairments. Completion of the project occurred in 2003 and the lake is now refilling. Based upon the completed project the waterbody will be delisted.

**LP2-L0140** – Olive Creek Lake was included on the 2002 Section 303(d) list as impaired by low dissolved oxygen and excessive sedimentation. Recently, a renovation project was completed that restored volume and added 2 control basins at the inlet to the reservoir to address the sediment problem. Also, data collected in 2003 indicated the dissolved oxygen met the assessment criteria and the parameter is not longer deemed impaired. Based upon this, sedimentation and dissolved oxygen will be delisted as parameters.

**LP2-L0150** – Branched Oak was included on the 2002 Section 303(d) list – part 1 as impaired by nutrients. Past assessments utilized a trophic state index (TSI) to determine whether nutrient levels were acceptable with aesthetics being the beneficial use targeted. In lieu of using a broad scale, generalized assessment tool such as the TSI, the Department has developed numeric nutrient values/goals based on regional environmental conditions to assess beneficial use support. In the future, the intent is to convert these goals to water quality criteria. Assessment of the applicable data from Branched Oak Lake to the nutrient goal indicates the waterbody is supporting the use.

**LP2-L0160** – Pawnee Lake was included on the 2002 Section 303(d) list as impaired by excessive nutrients. Past assessments utilized a trophic state index (TSI) to determine whether nutrient levels were acceptable with aesthetics being the beneficial use targeted. In lieu of using a broad scale, generalized assessment tool such as the TSI, the Department has developed numeric nutrient values/goals based on regional environmental conditions to assess beneficial use support. In the future, the intent is to convert these goals to water quality criteria. Assessment of the applicable data from Pawnee Lake to the goal indicates the waterbody is supporting the use. Based upon this the waterbody will be delisted.

**LP2-L0240** – East Twin Lake was included on the 2002 Section 303(s) list as impaired by excessive nutrients. Past assessments utilized a trophic state index (TSI) to determine whether nutrient levels were acceptable with aesthetics being the beneficial use targeted. In lieu of using a broad scale, generalized assessment tool such as the TSI, the Department has developed numeric nutrient values/goals based on regional environmental conditions to assess beneficial use support. In the future, the intent is to convert these goals to water quality criteria. Assessment of the applicable data from East Twin Lake to the goal indicates the waterbody is supporting the use. Based upon this the parameter will be delisted.

**LP2-L0260** – West Twin Lake was included on the 2002 Section 303(d) list as impaired by low dissolved oxygen. Additional data collected and assessed indicates the dissolved oxygen criteria are being met and the parameter is not longer deemed impaired. Based upon this the parameters will be delisted.

**LP2-L0270** - Czechland Lake was included on the 2002 Section 303(d) list as impaired by low dissolved oxygen. Additional data collected and assessed indicates the dissolved oxygen criteria are being met and the parameter is not longer deemed impaired. Based upon this the parameters will be delisted.

Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
<b>Streams</b>										
LP2-10161	Duck Creek		S					2		
LP2-10170	Sand Creek		S					2		
LP2-21000	Middle Creek		S					2		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
LP2-21200	Haines Branch		S					2		
LP2-30000	Salt Creek		S		S			2		
LP1-10100	Four Mile Creek							3		
LP1-10110	Eightmile Creek							3		
LP1-10111	Bachelor Branch							3		
LP1-10200	Fourmile Creek							3		
LP1-10210	Unnamed Creek							3		
LP1-10300	Fourmile Creek							3		
LP1-10400	Zwiebel Creek							3		
LP1-10410	Unnamed Creek							3		
LP1-10500	Zwiebel Creek							3		
LP1-10600	Turkey Creek							3		
LP1-10700	Cedar Creek							3		
LP1-10710	Unnamed Creek							3		
LP1-10800	Cedar Creek							3		
LP1-10900	Springfield Creek							3		
LP1-11000	Buffalo Creek							3		
LP1-11100	Mill Creek							3		
LP1-11200	Decker Creek							3		
LP1-11300	Fountain Creek							3		
LP1-11400	Unnamed Creek							3		
LP1-11500	Pawnee Creek							3		
LP1-11510	West Branch Pawnee Creek							3		
LP1-11700	Western Sarpy Ditch							3		

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		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
LP1-20100	Clear Creek							3		
LP1-20110	Upper Clear Creek							3		
LP1-20200	Clear Creek							3		
LP1-20300	Otoe Creek							3		
LP1-20400	Skull Creek							3		
LP1-20410	Unnamed Creek							3		
LP1-20500	Skull Creek							3		
LP1-20600	Shell Creek							3		
LP1-20610	Taylor Creek							3		
LP1-20620	Loseke Creek							3		
LP1-20621	Schaad Creek							3		
LP1-20621.1	Unnamed Creek							3		
LP1-20630	Loseke Creek							3		
LP1-20631	Unnamed Creek							3		
LP1-20640	Loseke Creek							3		
LP1-20710	Unnamed Creek							3		
LP1-20720	Elm Creek							3		
LP1-20800	Shell Creek							3		
LP1-20810	North Shell Creek							3		
LP1-20900	Shell Creek							3		
LP1-21000	Lost Creek							3		
LP1-21100	Lost Creek							3		
LP1-21200	Lost Creek							3		
LP1-21300	Bone Creek							3		

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		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
LP1-21310	Unnamed Creek							3		
LP1-21400	Bone Creek							3		
LP1-21500	Unnamed Creek							3		
LP1-21600	Deer Creek							3		
LP1-21700	Unnamed Creek							3		
LP2-10110	Clear Creek							3		
LP2-10111	Silver Creek							3		
LP2-10120	Clear Creek							3		
LP2-10121	Johnson Creek							3		
LP2-10130	Clear Creek							3		
LP2-10140	Silver Creek							3		
LP2-10150	Mosquito Creek							3		
LP2-10160	Sand Creek							3		
LP2-10171	Spring Creek							3		
LP2-10180	Sand Creek							3		
LP2-10200	Wahoo Creek							3		
LP2-10210	Cottonwood Creek							3		
LP2-10211	Unnamed Creek							3		
LP2-10220	Miller Branch							3		
LP2-10230	North Fork Wahoo Creek							3		
LP2-10231	Unnamed Creek							3		
LP2-10240	North Fork Wahoo Creek							3		
LP2-10300	Wahoo Creek							3		
LP2-10310	Dunlap Creek							3		

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		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
LP2-10400	Wahoo Creek							3		
LP2-11010	North Fork Rock Creek							3		
LP2-11100	Rock Creek							3		
LP2-11110	Ash Hollow Creek							3		
LP2-11120	Little Rock Creek							3		
LP2-11200	Rock Creek							3		
LP2-20100	Jordan Creek							3		
LP2-20200	Stevens Creek							3		
LP2-20510	Elk Creek							3		
LP2-20511	West Oak Creek							3		
LP2-20520	Elk Creek							3		
LP2-20600	Oak Creek							3		
LP2-20610	North Oak Creek							3		
LP2-20611	Wagon Tongue Creek							3		
LP2-20612	Bates Branch							3		
LP2-20700	Oak Creek							3		
LP2-20710	Middle Oak Creek							3		
LP2-20800	Oak Creek							3		
LP2-21010	South Branch Middle Creek							3		
LP2-21210	Holmes Creek							3		
LP2-21300	Haines Branch							3		
LP2-21310	Cheese Creek							3		
LP2-21400	Haines Branch							3		
LP2-30100	Cardwell Branch							3		

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		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
LP2-30200	Hickman Branch							3		
LP2-40000	Salt Creek							3		
LP2-40100	Wittstruck Creek							3		
LP2-40200	Spring Branch							3		
LP2-40300	Olive Branch							3		
LP2-40310	North Branch							3		
LP1-21010	Shonka Ditch							4B	Ammonia	
LP2-10500	Callahan Creek		I					4C	Iron	
LP2-10600	Robinson Creek		I					4C	Iron	
LP2-10700	Greenwood Creek		I					4C	Iron	
LP2-10800	Dee Creek		I					4C	Iron	
LP2-10900	Camp Creek		I					4C	Iron	
LP2-11000	Rock Creek		I					4C	Iron	
LP1-10000	Platte River	I	I		S			5	Fecal coliform & Selenium	
LP1-11600	Pawnee Creek		I					5	Carbon Tetrachloride	Potential Superfund Site
LP1-20000	Platte River	I	I		S			5	Fecal coliform & PCBs	Fish Tissue Advisory Issued
LP1-20700	Shell Creek		I		S			5	Selenium	
LP1-21800	Loup River Canal	I	I					5	Fecal coliform & PCBs	Fish Tissue Advisory Issued
LP2-10000	Salt Creek	I	I		S			5	Iron, Fecal coliform, Dieldrin & PCBs	Fish Tissue Advisory Issued
LP2-10100	Wahoo Creek		I		S			5	Selenium	

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		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
LP2-20000	Salt Creek	I	I					5	Iron, Fecal coliform, Dieldrin & PCBs	NPDES permits issued in January 2004 to address ammonia and dissolved oxygen impairment identified in 2002 303(d) list. Fish Tissue Advisory Issued
LP2-20300	Little Salt Creek		I		S			5	Selenium	
LP2-20400	Dead Man's Run	I	S					5	Fecal coliform	
LP2-20500	Oak Creek	I	S					5	Fecal coliform	
LP2-20900	Antelope Creek	I	S		S			5	<i>E. coli</i> & Fecal coliform	
LP2-21100	Middle Creek		I					5	Atrazine	
LP2-21500	Beal Slough		I		S			5	pH	
<b>Lakes/Reservoirs/Impounded Waters</b>										
LP2-L0150	Branched Oak Lake	S	S		S		S	1		Waterbody meeting nutrient assessment goal
LP2-L0160	Pawnee Lake	S	S		S		S	1		TMDL for sediment approved 3/01
LP1-L0180	Fremont Lake No. 12		S		S		S	2		
LP1-L0290	Fremont Lake No. 1		S		S		S	2		
LP1-L0450	Lake Babcock					S		2		
LP1-L0010	Louisville Lake No. 1							3		
LP1-L0020	Louisville Lake No. 1a							3		
LP1-L0030	Louisville Lake No. 2							3		
LP1-L0040	Louisville Lake No. 3							3		
LP1-L0050	Louisville Lake No. 2a							3		

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		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
LP1-L0060	Jenny Newman Lake							3		
LP1-L0070	Schramm Park Ponds							3		
LP1-L0080	U.S. West Lake							3		
LP1-L0090	Marina Lake							3		
LP1-L0100	Two Rivers Lake No. 5							3		
LP1-L0110	Two Rivers Carp Lake							3		
LP1-L0120	Two Rivers Lake No. 6							3		
LP1-L0130	Two Rivers Lakes No. 1 And 2							3		
LP1-L0140	Two Rivers Lake No. 3							3		
LP1-L0150	Two Rivers Lake No. 4							3		
LP1-L0160	Fremont Lake No. 14							3		
LP1-L0170	Fremont Lake No. 13							3		
LP1-L0190	Fremont Lake No. 19							3		
LP1-L0200	Fremont Lake No. 15							3		
LP1-L0210	Fremont Lake No. 11							3		
LP1-L0220	Fremont Lake No. 18e							3		
LP1-L0230	Fremont Lake No. 18w							3		
LP1-L0240	Fremont Lake No. 10							3		
LP1-L0250	Fremont Lake No. 20e							3		
LP1-L0260	Fremont Lake No. 20w							3		
LP1-L0270	Fremont Lake No. 16							3		
LP1-L0280	Fremont Lake No. 9							3		
LP1-L0330	Fremont Lake No. 4							3		
LP1-L0340	Fremont Lake No. 6							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
LP1-L0350	Fremont Lakes No. 7 And 8							3		
LP1-L0360	Schuyler East Park Pond							3		
LP1-L0370	Schuyler City Lake							3		
LP1-L0380	Camp Luther Pond							3		
LP1-L0390	Mcallister Lake							3		
LP1-L0400	Christopher Cove Lake							3		
LP1-L0410	Country Club Shores Lake							3		
LP1-L0420	Columbus Country Club Lake							3		
LP1-L0430	Oconee Siphon Pond							3		
LP2-L0010	Memphis Lake							3		
LP2-L0020	Hedgefield Lake							3		
LP2-L0070	Cottontail Lake							3		
LP2-L0080	Killdeer Lake							3		
LP2-L0100	Bowling Lake							3		
LP2-L0120	Wildwood Lake							3		Lake drained for renovation in 2000
LP2-L0170	Merganser Lake							3		
LP2-L0180	Teal Lake							3		
LP2-L0190	Red Cedar Lake							3		
LP2-L0200	Wild Plum Lake							3		
LP2-L0210	Tanglewood Lake							3		
LP2-L0230	Twin Lakes WMA Pond							3		
LP2-L0250	Timber Point Lake							3		
LP2-L0280	Redtail Lake							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
LP2-L0030	Wagon Train Lake	S	I		S		I	4A	Nutrients	TMDLs for sediment, dissolved oxygen and nutrients approved October 2002
LP2-L0040	Holmes Lake							4A	Nutrients & Sediment	TMDLs for sediment and nutrients approved July 2003
LP2-L0090	Yankee Hill Lake							4A	Nutrients & Sediment	TMDLs for sediment and nutrients approved July 2003
LP1-L0300	Fremont Lake No. 2		I				S	5	pH	
LP1-L0310	Fremont Lake No. 3		I		S		I	5	Nutrients	
LP1-L0320	Fremont Lake No. 5		I		S		S	5	pH	
LP1-L0440	Lake North		I		S	S	I	5	pH, Nutrients	
LP2-L0050	Stagecoach Lake		I		S		I	5	Nutrients	
LP2-L0060	Oak Lake		I					5	Salinity, Dissolved Oxygen	
LP2-L0110	Bluestem Lake	I	I		S		I	5	Bacteria, Nutrients & Sediment	
LP2-L0130	Conestoga Lake	S	I		S		I	5	Nutrients & Sediment	
LP2-L0140	Olive Creek Reservoir		I		S		I	5	pH, Nutrients	
LP2-L0220	Meadowlark Lake		I		S		I	5	Dissolved Oxygen & Nutrients	
LP2-L0240	East Twin Lake		I		S		S	5	Sediment	
LP2-L0260	West Twin Lake		I		S		I	5	Nutrients & Sediment	
LP2-L0270	Czechland Lake		I		S		S	5	pH, Mercury	Fish Tissue Advisory Issued

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## **Middle Platte River Basin – Hydrologic Units 10200101, 10200102 and 10200103**

The Middle Platte River Basin includes 29 designated stream segments and 97 designated lakes/reservoirs.

**Streams** – 6 segments within the Middle Platte River basin have been assigned the primary contact recreation beneficial use, 3 segments are assigned the Coldwater B aquatic life use, 12 segments have been assigned the Warmwater A aquatic life use and 14 segments have been assigned the Warmwater B aquatic life use. All segments have been assigned the agriculture water supply and aesthetic beneficial uses while no segment have been assigned the public drinking water or industrial water supply beneficial use. The waterbody assessments yielded 5 Category 2 waterbodies, 17 Category 3 waterbodies, 4 Category 4A waterbodies, 1 Category 4C waterbody and 2 Category 5 waterbodies. The parameter identified as impaired is: E. coli (2).

**Lakes/Reservoirs** All of the lakes/reservoirs in the Middle Platte Basin have been assigned primary contact recreation, Warmwater Class A aquatic life agriculture water supply and aesthetics beneficial uses. Two lakes have been assigned the industrial water supply beneficial use while no lake has been assigned the public drinking water beneficial use. The waterbody assessment yielded 15 Category 2 waterbodies, 77 Category 3 waterbodies and 5 Category 5 waterbodies. The pollutants causing the impairment or the parameters identified as impaired are: nutrients (3), mercury (2), fecal coliform (1) and pH (1).

### **Changes (Delistings) from 2002 Section 303(d) list**

**MP2-10000** – The segment was included on the 2002 Section 303(d) list as having excessive ammonia. Water quality data from the segment indicates neither the applicable acute or chronic water quality criteria have been exceeded. Based upon the instream data, the parameter will be delisted.

**MP2-10200** – The segment was listed on the 2002 Section 303(d) list as having temperature above the water quality criteria. Assessment of additional data collected indicates the waterbody supports the beneficial use. Based upon this the waterbody will be delisted.

**MP2-10300** – The segment was included on the 2002 Section 303(d) list as impaired by excessive ammonia with the supporting data being generated from NPDES permittee self-monitoring. The facility in question was issued a water quality based NPDES permit in August 2002 and review of the data submitted by the permittee on the discharge monitoring reports indicates the NPDES permit limits have not been exceeded since March 2002. Based upon this the waterbody will be delisted.

**MP2-20000** – The segment was listed on the 2002 Section 303(d) list as impaired by excessive ammonia with the supporting data being generated from NPDES permittee self-monitoring. Monitoring data collected from the segment indicates neither the applicable acute or chronic criteria were exceeded in 61 data points. Based upon the available water quality information the parameter will be delisted.

**Undesignated tributary to MP2-20000** – The segment was listed on the 2002 Section 303(d) list as having insufficient dissolve oxygen. The available data did not meet the data quality consideration established with the *Methodology for Waterbody Assessment and Development of the 2004 Integrated Report for Nebraska*, October 2003 and therefore the waterbody will be not be considered impaired rather the waterbody will be considered with insufficient information to determine if any beneficial uses are being met.

Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
<i>Streams</i>										
MP1-20100	Prairie Creek		S					2		
MP1-20200	Silver Creek		S					2		
MP2-10200	Wood River		S					2		
MP2-20300	Spring Creek		S					2		
MP2-20400	Plum Creek		S					2		
MP1-10110	Wilson Creek							3		
MP1-10120	South Channel Platte River							3		
MP1-10200	Loup Power Canal							3		
MP1-20300	Silver Creek							3		
MP2-10100	Wood River							3		
MP2-10300	Wood River							3		
MP2-10400	Crooked Creek							3		
MP2-20100	North Dry Creek							3		
MP2-20110	Whiskey Slough							3		
MP2-20120	Unnamed Creek							3		
MP2-20200	Turkey Creek							3		
MP2-20500	Tri-County Supply Canal							3		
MP2-40100	Pawnee Creek							3		
MP2-40200	Pawnee Slough							3		
MP2-40300	Unnamed Slough							3		
MP2-40400	White Horse Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
MP2-40410	Unnamed Creek							3		
MP1-10000	Platte River	I	S					4A	<i>E. coli</i> & Fecal coliform	Fecal coliform TMDL approved May 2003
MP1-20000	Platte River	I	S		S			4A	<i>E. coli</i> & Fecal coliform	Fecal coliform TMDL approved May 2003
MP2-20000	Platte River	I	I		S			4A	<i>E. coli</i> , Fecal Coliform & Temperature	Fecal coliform TMDL approved May 2003
MP2-40000	Platte River	I	S					4A	<i>E. coli</i>	Fecal coliform TMDL approved May 2003
MP1-10100	Clear Creek		I					4C	Temperature	
MP2-10000	Platte River	I	I		S			5	<i>E. coli</i> , Temperature	
MP2-30000	Platte River	I	S					5	<i>E. coli</i>	
<b>Lakes/Reservoirs/Impounded Waters</b>										
MP2-L0070	West Morman Island Lake		S		S			2		
MP2-L0090	Alda Rest Area Lake		S		S		S	2		
MP2-L0100	Cheyenne Lake		S		S		S	2		
MP2-L0120	War Axe Lake		S		S		S	2		
MP2-L0230	Bassway Strip Lake No. 1		S		S		S	2		
MP2-L0240	Bufflehead Lake		S		S		S	2		
MP2-L0360	Cottonmill Lake		S		S		S	2		
MP2-L0400	Coot Shallows Lake		S		S		S	2		
MP2-L0420	Sandy Channel Lake		S		S		S	2		
MP2-L0560	Plum Creek Lake		S					2		
MP2-L0570	Gallagher Canyon Reservoir		S					2		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
MP2-L0620	Midway Lakes		S					2		
MP2-L0680	West Gothenberg Lake		S		S		S	2		
MP2-L0690	Brady Lake		S		S		S	2		
MP2-L0710	Jeffery Reservoir		S		S	S	S	2		
MP1-L0010	Lease Lake							3		
MP1-L0020	Morman Trail Lake							3		
MP1-L0030	Hord Lake East							3		
MP1-L0040	Hord Lake West							3		
MP1-L0050	Bader Memorial Lake No. 7							3		
MP1-L0060	Bader Memorial Lake No. 6							3		
MP1-L0070	Bader Memorial Lake No. 5							3		
MP1-L0080	Bader Memorial Lake No. 4							3		
MP1-L0090	Bader Memorial Lake No. 2							3		
MP1-L0100	Bader Memorial Lake No. 3							3		
MP1-L0110	Bader Memorial Lake No. 1							3		
MP1-L0120	Grand Island Detention Cell							3		
MP1-L0130	Cornhusker Lake							3		
MP2-L0010	Grand Island Rest Area Lake							3		
MP2-L0020	Grand Island Pier Lake							3		
MP2-L0030	Grand Island L.E. Ray Lake							3		
MP2-L0040	Grand Island Such'S Lake							3		
MP2-L0050	Mormon Island Lake							3		
MP2-L0060	East Morman Island Lake							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
MP2-L0080	Loch Linda							3		
MP2-L0110	West Wood River Lake							3		
MP2-L0130	Windmill Lake No. 4							3		
MP2-L0140	Windmill Lake No. 5							3		
MP2-L0150	Windmill Lake No. 3							3		
MP2-L0160	Windmill Lake No. 2							3		
MP2-L0170	Windmill Lake No. 1							3		
MP2-L0180	Windmill Lake No. 6							3		
MP2-L0190	Bassway Strip Lake No. 5							3		
MP2-L0200	Bassway Strip Lake No. 4							3		
MP2-L0210	Bassway Strip Lake No. 3							3		
MP2-L0220	Bassway Strip Lake No. 2							3		
MP2-L0250	Ft. Kearny Lake No. 1							3		
MP2-L0260	Ft. Kearny Lake No. 2							3		
MP2-L0270	Ft. Kearny Lake No. 3							3		
MP2-L0280	Ft. Kearny Lake No. 4							3		
MP2-L0290	Ft. Kearny Lake No. 5							3		
MP2-L0300	Ft. Kearny Lake No. 6							3		
MP2-L0310	Ft. Kearny Lake No. 7							3		
MP2-L0320	Kea Lake							3		
MP2-L0330	Kearney Lake							3		
MP2-L0340	Kea West Lake							3		
MP2-L0350	North Kearney Rest Area Lake							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
MP2-L0370	South Kearney Rest Area Lake							3		
MP2-L0380	East Odessa Lake							3		
MP2-L0390	Union Pacific Lake							3		
MP2-L0430	Blue Hole Lake							3		
MP2-L0440	West Elm Creek Lake							3		
MP2-L0450	Overton Lake							3		
MP2-L0460	Dogwood Lake							3		
MP2-L0470	Dawson County Museum Lake							3		
MP2-L0480	Interstate Lake							3		
MP2-L0490	Plum Creek Park Lake							3		
MP2-L0510	Bossung Lake							3		
MP2-L0530	Buffalo Creek Lake							3		
MP2-L0550	Darr Lake							3		
MP2-L0590	West Cozad Lake							3		
MP2-L0600	East Willow Island Lake							3		
MP2-L0610	Willow Island Lake							3		
MP2-L0630	East Gothenberg Lake							3		
MP2-L0640	Little Canyon Lake No. 2							3		
MP2-L0650	Lake Helen							3		
MP2-L0660	Little Canyon Lake No. 1							3		
MP2-L0670	Blue Heron Lake							3		
MP2-L0700	Chester Island Lake							3		
MP2-L0720	West Brady Lake							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
MP2-L0730	Snell Canyon Lake No. 2							3		
MP2-L0740	Snell Canyon Lake No. 1							3		
MP2-L0750	Maxwell Rest Area Lake							3		
MP2-L0760	Target Lake							3		
MP2-L0770	Fort Mcpherson Lake							3		
MP2-L0780	Cottonwood Canyon Lake							3		
MP2-L0790	I-80 BLM Lake							3		
MP2-L0800	West Maxwell Lake							3		
MP2-L0810	Box Elder Canyon Lake							3		
MP2-L0820	Crystal Lake							3		
MP2-L0830	Moran Canyon Lake							3		
MP2-L0840	Fremont Slough Lake							3		
MP2-L0410	Blue Hole East Lake		I		S		I	5	pH, Nutrients	
MP2-L0500	Phillips Lake		I					5	Mercury	Fish Tissue Advisory Issued
MP2-L0520	Johnson Lake	I	I		S	S	I	5	Fecal coliform & Nutrients	TMDLs targeted for Completion in next 2 years
MP2-L0540	Elwood Reservoir		I		S		S	5	Mercury	Fish Tissue Advisory Issued
MP2-L0580	Cozad Lake		I		S		I	5	Nutrients	

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## **Missouri Tributaries Basin – Hydrologic Units 10170101, 10230001 and 10230006**

The Missouri Tributaries Basin includes 136 designated stream segments and 27 designated lakes. The waterbody assessment also included a lake that has not been identified in Title 117 – Nebraska Surface Water Quality Standards.

**Streams** – 4 segments within the Missouri Tributaries basin have been assigned the recreation beneficial use, 3 segments have been assigned the Coldwater B aquatic life use, 15 segments have been assigned the Warmwater A aquatic life use and 118 segments have been assigned the Warmwater Class B aquatic life use. All of the segments have been assigned the Agriculture waters supply and aesthetics beneficial use. 2 segments have been assigned the public drinking water use and segment has been assigned the industrial water supply beneficial use. The waterbody assessments yielded 2 Category 2 waterbodies, 129 Category 3 waterbodies and 5 Category 5 waterbodies. The pollutants causing the impairment or the parameters identified as impaired are: fecal coliform (2), Dieldrin (4) and PCBs (4).

**Lakes/Reservoirs** – All of the lakes/reservoirs in the Missouri Tributaries basin have been assigned primary contact recreation, Warmwater A aquatic life agriculture water supply and aesthetics beneficial uses. One lake/reservoir is assigned the public drinking water and industrial beneficial uses. The waterbody assessment yielded 5 Category 2 waterbodies, 16 Category 3 waterbodies and 7 Category 5 waterbodies. The pollutants causing the impairment or the parameters identified as impaired are: mercury (4), sediment (3), nutrients (2), fecal coliform (1) and PCBs (1).

### ***Changes (Delistings) from 2002 Section 303(d) list***

**Undesignated Tributary to MT1-10000** – The segment was listed on the 2002 Section 303(d) list as impaired by excessive total residual chlorine with the supporting data being generated from NPDES permittee self-monitoring. A review of the data submitted by the permittee on the discharge monitoring reports indicates the NPDES permit limits have not been exceeded since September 2001. Based upon this the waterbody will be delisted.

**MT1-L0150** – Summit Lake was included on the 2002 Section 303(d) list as impaired by excessive nutrients. Past assessments utilized a trophic state index (TSI) to determine whether nutrient levels were acceptable with aesthetics being the beneficial use targeted. In lieu of using a broad scale, generalized assessment tool such as the TSI, the Department has developed numeric nutrient values/goals based on regional environmental conditions to assess beneficial use support. In the future, the intent is to convert these goals to water quality criteria. Assessment of the applicable data from Summit Lake to the goal indicates the waterbody is supporting the use. Based upon this the waterbody will be delisted.

**MT1-L0030** – Wehrspann Lake was included on the 2002 Section 303(d) list as impaired by excessive nutrients. Past assessments utilized a trophic state index (TSI) to determine whether nutrient levels were acceptable with aesthetics being the beneficial use targeted. In lieu of using a broad scale, generalized assessment tool such as the TSI, the Department has developed numeric nutrient values/goals based on regional environmental conditions to assess beneficial use support. In the future, the intent is to convert these goals to water quality criteria. Assessment of the applicable data from Wehrspann Lake to the goal indicates the waterbody is supporting the use. Based upon this the parameter will be delisted.

**MT1-L0120** – Glenn Cunningham Lake was included on the 2002 Section 303(d) list as impaired by excessive nutrients. Past assessments utilized a trophic state index (TSI) to determine whether nutrient levels were acceptable with aesthetics being the beneficial use targeted. In lieu of using a broad scale, generalized assessment tool such as the TSI, the Department has developed numeric nutrient values/goals based on regional environmental conditions to assess beneficial use support. In the future, the intent is to convert these goals to water quality criteria. Assessment of the applicable data from Glenn Cunningham Lake to the goal indicates the waterbody is supporting the use. Based upon this the parameter will be delisted.

Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses							Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics				
<i>Streams</i>											
MT1-10110	Big Papillion Creek		S					2			
MT2-10000	Missouri River	S	S		S			2			
MT1-10111	Little Papillion Creek							3			
MT1-10111.1	Cole Creek							3			
MT1-10111.2	Thomas Creek							3			
MT1-10112	Little Papillion Creek							3			
MT1-10121	Butter Flat Creek							3			
MT1-10130	Big Papillion Creek							3			
MT1-10131	Unnamed Creek							3			
MT1-10132	Northwest Branch							3			
MT1-10140	Big Papillion Creek							3			
MT1-10200	Papillion Creek							3			
MT1-10210	Walnut Creek							3			
MT1-10220	Hell Creek							3			
MT1-10230	South Papillion Creek							3			
MT1-10231	Unnamed Creek							3			
MT1-10240	South Papillion Creek							3			
MT1-10251	Boxelder Creek							3			
MT1-10252	North Branch West Papillion Creek							3			
MT1-10260	West Papillion Creek							3			
MT1-10300	Ponca Creek							3			
MT1-10400	Deer Creek							3			

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
MT1-10500	Turkey Creek							3		
MT1-10600	Moores Creek							3		
MT1-10700	Long Creek							3		
MT1-10710	Mill Creek							3		
MT1-10800	Long Creek							3		
MT1-10900	Cameron Ditch							3		
MT1-10910	Couple Creek							3		
MT1-10920	South Creek							3		
MT1-10930	North Creek							3		
MT1-10940	Stuart Creek							3		
MT1-11000	Cameron Ditch							3		
MT1-11100	Hill Creek							3		
MT1-11110	New York Creek							3		
MT1-11120	Carr Creek							3		
MT1-11121	Davis Creek							3		
MT1-11200	Hill Creek							3		
MT1-11300	Combination Ditch							3		
MT1-11400	Combination Ditch							3		
MT1-11500	Tekamah Creek							3		
MT1-11510	Silver Creek							3		
MT1-11600	Tekamah Creek							3		
MT1-11700	Elm Creek							3		
MT1-11710	Lone Tree Creek							3		
MT1-11800	Wood Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
MT1-11900	Blackbird Creek							3		
MT1-11910	South Blackbird Creek							3		
MT1-11920	South Blackbird Creek							3		
MT1-11930	North Blackbird Creek							3		
MT1-11931	Unnamed Creek							3		
MT1-11940	North Blackbird Creek							3		
MT1-12000	Omaha Creek							3		
MT1-12110	Fiddlers Creek							3		
MT1-12120	Wigle Creek							3		
MT1-12130	Turtle Creek							3		
MT1-12140	Morgan Creek							3		
MT1-12150	North Omaha Creek							3		
MT1-12151	Unnamed Creek							3		
MT1-12152	Unnamed Creek							3		
MT1-12160	North Omaha Creek							3		
MT1-12170	South Omaha Creek							3		
MT1-12171	Cow Creek							3		
MT1-12180	South Omaha Creek							3		
MT1-12200	Pigeon Creek							3		
MT1-12300	Pigeon Creek							3		
MT2-10100	Elk Creek							3		
MT2-10200	Elk Creek							3		
MT2-10210	Otter Creek							3		
MT2-10211	Minnow Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
MT2-10220	Otter Creek							3		
MT2-10300	Elk Creek							3		
MT2-10310	Pigeon Creek							3		
MT2-10400	Elk Creek							3		
MT2-10500	Aowa Creek							3		
MT2-10510	Badger Creek							3		
MT2-10520	South Creek							3		
MT2-10521	Daily Branch							3		
MT2-10530	South Creek							3		
MT2-10531	Jordan Creek							3		
MT2-10540	South Creek							3		
MT2-10600	Aowa Creek							3		
MT2-10610	Silver Creek							3		
MT2-10620	Powder Creek							3		
MT2-10700	Aowa Creek							3		
MT2-10800	Turkey Creek							3		
MT2-10900	Walnut Creek							3		
MT2-11000	Lime Creek							3		
MT2-11010	West Branch Lime Creek							3		
MT2-11100	Lime Creek							3		
MT2-11200	Ames Creek							3		
MT2-11300	Bow Creek							3		
MT2-11310	West Bow Creek							3		
MT2-11311	Second Bow Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
MT2-11311.1	Unnamed Creek							3		
MT2-11312	Second Bow Creek							3		
MT2-11320	West Bow Creek							3		
MT2-11400	Bow Creek							3		
MT2-11410	East Bow Creek							3		
MT2-11411	Unnamed Creek							3		
MT2-11412	Unnamed Creek							3		
MT2-11420	East Bow Creek							3		
MT2-11500	Bow Creek							3		
MT2-11510	Dead Creek							3		
MT2-11520	Norwegian Bow Creek							3		
MT2-11521	Unnamed Creek							3		
MT2-11600	Bow Creek							3		
MT2-11610	Pearl Creek							3		
MT2-11611	Kerloo Creek							3		
MT2-11620	Pearl Creek							3		
MT2-11700	Bow Creek							3		
MT2-11710	Unnamed Creek							3		
MT2-11800	Antelope Creek							3		
MT2-11900	Beaver Creek							3		
MT2-12000	Beaver Creek							3		
MT2-12100	Weigand Creek							3		
MT2-12200	Devils Nest Creek							3		
MT2-12300	Cook Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
MT2-12400	Bazile Creek							3		
MT2-12410	Lost Creek							3		
MT2-12420	Howe Creek							3		
MT2-12421	Unnamed Creek							3		
MT2-12500	Bazile Creek							3		
MT2-12510	Little Bazile Creek							3		
MT2-12511	Unnamed Creek							3		
MT2-12520	Little Bazile Creek							3		
MT2-12600	Bazile Creek							3		
MT2-12610	Spring Creek							3		
MT2-12620	Unnamed Creek							3		
MT2-12630	Unnamed Creek							3		
MT2-12700	Bazile Creek							3		
MT1-10000	Missouri River	I	I		S	S		5	Fecal coliform, Dieldrin & PCBs	Fish Tissue Advisory Issued
MT1-10100	Papillion Creek		I		S			5	PCBs & Dieldrin	Fish Tissue Advisory Issued
MT1-10120	Big Papillion Creek	I	S					5	Fecal coliform	
MT1-10250	West Papillion Creek		I					5	PCBs & Dieldrin	Fish Tissue Advisory Issued
MT1-12100	Omaha Creek		I					5	PCBs & Dieldrin	Fish Tissue Advisory Issued
<b>Lakes/Reservoirs/Impounded Waters</b>										
MT1-L0025	Walnut Creek Lake		S		S		S	2		
MT1-L0150	Summit Lake		S		S		S	2		Waterbody meeting nutrient goal
MT2-L0010	Buckskin Hills Lake		S		S		S	2		
MT2-L0030	Cottonwood Lake		S					2		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
MT2-L0040	Lewis And Clark Lake	S		S		S		2		
MT1-L0010	Offutt Lake							3		
MT1-L0020	Haworth Park Lake							3		
MT1-L0040	Hitchcock Park Lake							3		
MT1-L0060	Hanscom Park Lake							3		
MT1-L0070	Fontenelle Park Lake							3		
MT1-L0080	Benson Park Lake							3		
MT1-L0110	Miller Park Lake							3		
MT1-L0130	Papio D-4 Lake							3		
MT1-L0140	Desoto Lake							3		
MT1-L0160	Mud Creek SCS Pond							3		
MT1-L0170	Middle Decatur Bend Lake							3		
MT1-L0180	Omadi Bend Lake							3		
MT1-L0190	Gateway Lake							3		
MT2-L0020	Chalkrock Lake							3		
MT2-L0050	Crofton City Lake							3		
MT2-L0060	Plainview Country Club Lake							3		
MT1-L0030	Wehrspann Lake		I		S		S	5	Mercury	Fish Tissue Advisory Issued
MT1-L0050	Ed Zorinsky Lake	S	I		S		S	5	Mercury	TMDLs for sediment, nutrients and dissolved oxygen approved September 2002. Fish Tissue Advisory Issued
MT1-L0090	Carter Lake	I	I		S		I	5	PCBs, Fecal coliform, pH & Nutrients	Fish Tissue Advisory Issued

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
MT1-L0100	Standing Bear Lake		I		S		S	5	Mercury & sediment	TMDLs for sediment, nutrients and dissolved oxygen approved July 2003. Fish Tissue Advisory Issued
MT1-L0120	Glenn Cunningham Lake	S	I		S		S	5	Sediment	TMDL to be completed in next 2 years
MT1-L0200	Crystal Cove Lake		I					5	Mercury	Fish Tissue Advisory Issued
MT-ND	Candlewood Lake	S	I				I	5	Sediment & Nutrients	Water quality data submitted by homeowners association

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## **Nemaha Basin – Hydrologic Units 10240001, 10240005, 10240006 and 10240007**

The Nemaha River Basin includes 326 designated stream segments and 32 designated lake/reservoirs. The waterbody assessments also included a recently completed reservoir (Prairie Owl) that has not been assigned a waterbody identification number.

**Streams** – 7 segments within the Nemaha River basin have been assigned the primary contact recreation use, 40 segments have been assigned the Warmwater A aquatic life use, 286 have been assigned the Warmwater B aquatic life use and 1 segment has been assigned both the industrial and public water supply beneficial uses. All of the segments are assigned the agriculture water supply and aesthetics beneficial use. The waterbody assessment yielded 4 Category 2 waterbodies, 317 Category 3 waterbodies and 5 Category 5 waterbodies. The pollutants causing the impairment or the parameters identified as impaired are: fecal coliform (5), Dieldrin (1) and PCBs (1).

**Lakes/Reservoirs** – All of the lakes/reservoirs in the Nemaha River basin have been assigned primary contact recreation, Warmwater A aquatic life agriculture water supply and aesthetics beneficial uses. No lake or reservoir has been assigned the public drinking water or industrial water supply beneficial use. The waterbody assessment yielded 2 Category 2 waterbodies, 28 Category 3 waterbodies, 1 Category 4A waterbody and 2 Category 5 waterbodies. The pollutants causing the impairment or the parameters identified as impaired are: mercury (1) nutrients (1), pH (1) and sediment (1).

### ***Changes (Delistings) from 2002 Section 303(d) list***

**Undesignated Tributary to NE1-13200** – The segment was listed on the 2002 Section 303(d) list as impaired by excessive total residual chlorine with the supporting data being generated from NPDES permittee self-monitoring. The facility has constructed a complete retention lagoon system and the NPDES permit has been inactivated. Based upon the lack of a discharge to surface waters the waterbody will be delisted.

**NE2-10000** – The segment was included on the 2002 Section 303(d) list as impaired by excessive ammonia with the supporting data being generated from NPDES permittee self-monitoring. A water quality based NPDES permit was issued to the facility in June 2000 and water quality monitoring information from the segment indicated neither the applicable acute or chronic criteria have been exceeded in 39 data points. Based upon this the waterbody will be delisted.

**NE2-10800** – The segment was included on the 2002 Section 303(d) list as impaired by low dissolved oxygen within the effluent with the supporting data being generated from NPDES permittee self-monitoring. A review of the data submitted by the permittee on the discharge monitoring reports indicates the effluent has maintained compliance with the NPDES permit limits 95% during the last five-year period. Based upon this the waterbody will be delisted.

**NE2-L0120** – Burchard Lake was included on the 2002 Section 303(d) list as impaired by excessive nutrients. Past assessments utilized a trophic state index (TSI) to determine whether nutrient levels were acceptable with aesthetics being the beneficial use targeted. In lieu of using a broad scale, generalized assessment tool such as the TSI, the Department has developed numeric nutrient values/goals based on regional environmental conditions to assess beneficial use support. In the future, the intent is to convert these goals to water quality criteria. Assessment of the applicable data from Burchard Lake to the goal indicates the waterbody is supporting the use. Based upon this the waterbody will be delisted.

Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
<i>Streams</i>										
NE1-12800	Weeping Water Creek		S		S			2		
NE2-10000	Big Nemaha River		S		S			2		
NE2-12200	North Fork Big Nemaha River		S		S			2		
NE3-10000	Little Nemaha River		S		S			2		
NE1-10100	Winnebago Creek							3		
NE1-10110	Bean Creek							3		
NE1-10200	Winnebago Creek							3		
NE1-10210	Unnamed Creek							3		
NE1-10220	Unnamed Creek							3		
NE1-10300	Unnamed Creek							3		
NE1-10400	Unnamed Creek							3		
NE1-10500	Cottier Creek							3		
NE1-10510	Wine Branch							3		
NE1-10600	Cottier Creek							3		
NE1-10610	Unnamed Creek							3		
NE1-10700	Unnamed Creek							3		
NE1-10800	Beadow Creek							3		
NE1-10810	Unnamed Creek							3		
NE1-10900	Beadow Creek							3		
NE1-10910	Unnamed Creek							3		
NE1-11000	Derooin Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NE1-11100	Unnamed Creek							3		
NE1-11200	Unnamed Creek							3		
NE1-11300	Honey Creek							3		
NE1-11400	Honey Creek							3		
NE1-11410	Unnamed Creek							3		
NE1-11500	Honey Creek							3		
NE1-11600	Buck Creek							3		
NE1-11610	Duck Creek							3		
NE1-11700	Buck Creek							3		
NE1-11800	Camp Creek							3		
NE1-11810	South Branch Camp Creek							3		
NE1-11900	Camp Creek							3		
NE1-12000	Fourmile Creek							3		
NE1-12100	Fourmile Creek							3		
NE1-12110	Threemile Creek							3		
NE1-12200	Fourmile Creek							3		
NE1-12300	South Table Creek							3		
NE1-12310	Unnamed Creek							3		
NE1-12400	South Table Creek							3		
NE1-12500	North Table Creek							3		
NE1-12600	Walnut Creek							3		
NE1-12700	Squaw Creek							3		
NE1-12810	Wolf Creek							3		
NE1-12820	Coal Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NE1-12830	South Branch Weeping Water Creek							3		
NE1-12831	Big Slough							3		
NE1-12832	Goose Creek							3		
NE1-12840	South Branch Weeping Water Creek							3		
NE1-12841	Jordan Creek							3		
NE1-12842	Flood Creek							3		
NE1-12843	Wilson Creek							3		
NE1-12850	South Branch Weeping Water Creek							3		
NE1-12851	Unnamed Creek							3		
NE1-12860	Tyson Creek							3		
NE1-12870	North Branch Weeping Water Creek							3		
NE1-12871	Unnamed Creek							3		
NE1-12880	North Branch Weeping Water Creek							3		
NE1-12881	Unnamed Creek							3		
NE1-12900	Weeping Water Creek							3		
NE1-12910	Unnamed Creek							3		
NE1-12920	South Cedar Creek							3		
NE1-13000	Weeping Water Creek							3		
NE1-13010	Cascade Creek							3		
NE1-13020	Unnamed Creek							3		
NE1-13030	Unnamed Creek							3		
NE1-13040	Unnamed Creek							3		
NE1-13050	Unnamed Creek							3		
NE1-13060	Unnamed Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NE1-13070	Unnamed Creek							3		
NE1-13080	Unnamed Creek							3		
NE1-13090	Unnamed Creek							3		
NE1-13100	Beaver Creek							3		
NE1-13110	Stove Creek							3		
NE1-13200	Weeping Water Creek							3		
NE1-13300	East Chute							3		
NE1-13400	Ervine Creek							3		
NE1-13500	Rakes Creek							3		
NE1-13600	Unnamed Creek							3		
NE1-13700	Rock Creek							3		
NE1-13710	Squaw Creek							3		
NE1-13800	Unnamed Creek							3		
NE2-10100	Roys Creek							3		
NE2-10200	Noharts Creek							3		
NE2-10300	Mooney Creek							3		
NE2-10400	Snake Creek							3		
NE2-10500	Canada Creek							3		
NE2-10600	Muddy Creek							3		
NE2-10610	Berard Creek							3		
NE2-10620	Halfbreed Creek							3		
NE2-10630	Silver Creek							3		
NE2-10640	Goolsby Branch							3		
NE2-10641	Temple Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NE2-10650	Unnamed Creek							3		
NE2-10660	Mackelroy Creek							3		
NE2-10670	Unnamed Creek							3		
NE2-10680	Unnamed Creek							3		
NE2-10690	Unnamed Creek							3		
NE2-10700	Sardine Creek							3		
NE2-10710	Wolf Creek							3		
NE2-10711	Spring Creek							3		
NE2-10720	Wolf Creek							3		
NE2-10730	Deer Creek							3		
NE2-10740	Unnamed Creek							3		
NE2-10750	Little Muddy Creek							3		
NE2-10751	Whiskey Run							3		
NE2-10751.1	Dry Branch							3		
NE2-10751.2	Porter Branch							3		
NE2-10752	Whiskey Run							3		
NE2-10760	Little Muddy Creek							3		
NE2-10761	Unnamed Creek							3		
NE2-10770	Little Muddy Creek							3		
NE2-10800	Muddy Creek							3		
NE2-10810	Hoosier Creek							3		
NE2-10820	Unnamed Creek							3		
NE2-10830	Unnamed Creek							3		
NE2-10840	Unnamed Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NE2-10850	Unnamed Creek							3		
NE2-10860	Unnamed Creek							3		
NE2-10870	Unnamed Creek							3		
NE2-10880	Unnamed Creek							3		
NE2-10881	Unnamed Creek							3		
NE2-10900	Muddy Creek							3		
NE2-11000	Walnut Creek							3		
NE2-11010	Unnamed Creek							3		
NE2-11020	Unnamed Creek							3		
NE2-11100	Unnamed Creek							3		
NE2-11200	Pony Creek							3		
NE2-11300	Unnamed Creek							3		
NE2-11400	Unnamed Creek							3		
NE2-11500	Unnamed Creek							3		
NE2-11600	Unnamed Creek							3		
NE2-11700	Wildcat Creek							3		
NE2-11800	Old Channel Big Nemaha River							3		
NE2-11910	Unnamed Creek							3		
NE2-11920	Rock Creek							3		
NE2-11921	Contrary Creek							3		
NE2-11922	Rabbit Creek							3		
NE2-11930	Old Channel South Fork Big Nemaha River							3		
NE2-11940	Unnamed Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NE2-11950	Honey Creek							3		
NE2-11960	Old Channel South Fork Big Nemaha River							3		
NE2-11970	Holy Creek							3		
NE2-11980	Rattlesnake Creek							3		
NE2-11981	Easily Creek							3		
NE2-11982	Spring Creek							3		
NE2-11990	Rattlesnake Creek							3		
NE2-12000	Fourmile Creek							3		
NE2-12010	Unnamed Creek							3		
NE2-12020	Unnamed Creek							3		
NE2-12110	Lores Branch							3		
NE2-12120	Negro Branch							3		
NE2-12130	Turkey Creek							3		
NE2-12131	Unnamed Creek							3		
NE2-12132	Johnson Creek							3		
NE2-12132.1	Beebe Creek							3		
NE2-12132.2	Wildcat Creek							3		
NE2-12133	Johnson Creek							3		
NE2-12134	Chatawa Creek							3		
NE2-12135	West Branch Turkey Creek							3		
NE2-12135.1	Balls Branch - Unnamed Creek							3		
NE2-12135.11	Unnamed Creek							3		

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		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NE2-12135.12	Unnamed Creek							3		
NE2-12135.2	Balls Branch							3		
NE2-12135.21	Unnamed Creek							3		
NE2-12136	West Branch Turkey Creek							3		
NE2-12140	Turkey Creek							3		
NE2-12141	Unnamed Creek							3		
NE2-12142	Unnamed Creek							3		
NE2-12143	Unnamed Creek							3		
NE2-12144	Unnamed Creek							3		
NE2-12145	Rock Creek							3		
NE2-12150	Turkey Creek							3		
NE2-12151	Sampson Branch							3		
NE2-12152	Unnamed Creek							3		
NE2-12210	Unnamed Creek							3		
NE2-12220	Deer Branch							3		
NE2-12230	Unnamed Creek							3		
NE2-12240	Unnamed Creek							3		
NE2-12250	Bradley Branch							3		
NE2-12260	Barneys Branch							3		
NE2-12270	Unnamed Creek							3		
NE2-12280	Cottonwood Creek							3		
NE2-12290	Unnamed Creek							3		

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		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NE2-12300	Unnamed Creek							3		
NE2-12310	Unnamed Creek							3		
NE2-12320	Unnamed Creek							3		
NE2-12331	Kirkham Creek							3		
NE2-12340	Unnamed Creek							3		
NE2-12350	Round Grove Creek							3		
NE2-12360	Dry Branch							3		
NE2-12370	Unnamed Creek							3		
NE2-12380	Unnamed Creek							3		
NE2-12390	Unnamed Creek							3		
NE2-12400	Unnamed Creek							3		
NE2-12410	Unnamed Creek							3		
NE2-12420	Taylor Branch							3		
NE2-12421	Unnamed Creek							3		
NE2-12430	Taylor Branch							3		
NE2-12440	Clear Creek							3		
NE2-12441	Coopers Branch							3		
NE2-12450	Clear Creek							3		
NE2-12460	Unnamed Creek							3		
NE2-12470	Robinson Creek							3		
NE2-12480	Todd Creek							3		
NE2-12481	Elk Creek							3		
NE2-12490	Todd Creek							3		
NE2-12510	Unnamed Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NE2-12520	Corson Branch							3		
NE2-12530	Town Branch							3		
NE2-12540	Badger Branch							3		
NE2-12541	Unnamed Creek							3		
NE2-12550	Badger Branch							3		
NE2-12560	Unnamed Creek							3		
NE2-12570	Yankee Creek							3		
NE2-12571	Brewers Branch							3		
NE2-12572	Lost Branch							3		
NE2-12580	Yankee Creek							3		
NE2-12590	Hooker Creek							3		
NE2-12600	Middle Branch Big Nemaha River							3		
NE2-12601	Shaw Creek							3		
NE2-12610	Middle Branch Big Nemaha River							3		
NE2-12700	North Fork Big Nemaha River							3		
NE3-10100	Whiskey Run							3		
NE3-10200	Jarvis Creek							3		
NE3-10210	Unnamed Creek							3		
NE3-10220	Unnamed Creek							3		
NE3-10300	Jarvis Creek							3		
NE3-10400	Happy Hollow Creek							3		
NE3-10500	Swartz Run							3		
NE3-10510	Unnamed Creek							3		
NE3-10600	Swartz Run							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NE3-10700	Indian Creek							3		
NE3-10800	Indian Creek							3		
NE3-10900	Unnamed Creek							3		
NE3-11000	Hughes Creek							3		
NE3-11100	Codington Creek							3		
NE3-11200	Unnamed Creek							3		
NE3-11300	Unnamed Creek							3		
NE3-11400	Longs Creek							3		
NE3-11410	Scotch Branch							3		
NE3-11500	Longs Creek							3		
NE3-11600	Willow Creek							3		
NE3-11700	Ord Creek							3		
NE3-11800	Rock Creek							3		
NE3-11810	Plum Run							3		
NE3-11820	Unnamed Creek							3		
NE3-11900	Rock Creek							3		
NE3-11910	Unnamed Creek							3		
NE3-11920	Unnamed Creek							3		
NE3-11930	Unnamed Creek							3		
NE3-12000	Rock Creek							3		
NE3-12100	Unnamed Creek							3		
NE3-12200	Unnamed Creek							3		
NE3-12210	Unnamed Creek							3		
NE3-12300	Unnamed Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NE3-12400	Houchen Creek							3		
NE3-12500	Unnamed Creek							3		
NE3-12600	Piper Creek							3		
NE3-12700	Sand Creek							3		
NE3-12710	Unnamed Creek							3		
NE3-12800	Sand Creek							3		
NE3-12900	Jones Creek							3		
NE3-12910	East Branch Jones Creek							3		
NE3-13000	Jones Creek							3		
NE3-13100	North Fork Little Nemaha River							3		
NE3-13110	Unnamed Creek							3		
NE3-13120	Unnamed Creek							3		
NE3-13130	Fox Creek							3		
NE3-13140	Wilson Creek							3		
NE3-13150	Deer Creek							3		
NE3-13200	North Fork Little Nemaha River							3		
NE3-13210	Unnamed Creek							3		
NE3-13220	Unnamed Creek							3		
NE3-13300	North Fork Little Nemaha River							3		
NE3-20000	Little Nemaha River							3		
NE3-20100	Spring Creek							3		
NE3-20110	Ayres Creek							3		
NE3-20120	Manns Branch							3		
NE3-20200	Spring Branch							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NE3-20300	South Fork Little Nemaha River							3		
NE3-20310	Coon Creek							3		
NE3-20320	Unnamed Creek							3		
NE3-20330	Turkey Creek							3		
NE3-20400	South Fork Little Nemaha River							3		
NE3-20410	Silver Creek							3		
NE3-20420	Saunders Creek							3		
NE3-20421	Unnamed Creek							3		
NE3-20430	Saunders Creek							3		
NE3-20500	South Fork Little Nemaha River							3		
NE3-20510	Unnamed Creek							3		
NE3-20520	Unnamed Creek							3		
NE3-30000	Little Nemaha River							3		
NE3-30100	Unnamed Creek							3		
NE3-30200	Muddy Creek							3		
NE3-30210	Little Muddy Creek							3		
NE3-30300	Brownell Creek							3		
NE3-30310	Unnamed Creek							3		
NE3-30400	Brownell Creek							3		
NE3-30500	Boxelder Creek							3		
NE3-30600	Unnamed Creek							3		
NE3-30700	Ziegler Creek							3		
NE3-30800	Wolf Creek							3		
NE3-30810	Owl Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NE3-30900	Wolf Creek							3		
NE3-30910	Unnamed Creek							3		
NE3-31000	Russell Creek							3		
NE3-31100	Henry Creek							3		
NE3-31200	Hooper Creek							3		
NE3-31210	Unnamed Creek							3		
NE3-31220	Unnamed Creek							3		
NE3-31230	Unnamed Creek							3		
NE3-31300	Hooper Creek							3		
NE3-31310	Unnamed Creek							3		
NE3-31320	Unnamed Creek							3		
NE3-40000	Little Nemaha River							3		
NE3-40100	Silver Creek							3		
NE3-50000	Little Nemaha River							3		
NE3-50100	Unnamed Creek							3		
NE3-50200	Unnamed Creek							3		
NE3-50300	Unnamed Creek							3		
NE1-10000	Missouri River	I	I		S	S		5	Fecal coliform, Dieldrin & PCBs	Fish Tissue Advisory Issued
NE2-11900	South Fork Big Nemaha River	I	S					5	Fecal coliform	
NE2-12100	South Fork Big Nemaha River	I	S		S			5	Fecal coliform	
NE2-12330	Long Branch Creek	I	S					5	Fecal coliform	
NE2-12500	North Fork Big Nemaha River	I	S					5	Fecal coliform	

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
<i>Lakes/Reservoirs/Impounded Waters</i>										
NE2-L0020	Verdon Lake		S		S		S	2		
NE2-ND	Prairie Owl		S		S		S	2		
NE2-ND	Wirth Brothers		S					2		
NE1-L0010	Steinhart Park Lake							3		
NE1-L0020	Weeping Water City Lake							3		
NE1-L0030	Plattsmouth City Lake							3		
NE1-L0040	Randall Schilling Lake No. 1							3		
NE1-L0050	Randall Schilling Lake No. 2							3		
NE2-L0010	Falls City Lake							3		
NE2-L0030	Humboldt City Lake							3		
NE2-L0050	Kinters Ford Lake							3		
NE2-L0060	Twin Oaks Lake No. 9							3		
NE2-L0070	Twin Oaks Lake No. 7							3		
NE2-L0080	Prairie Knoll Lake							3		
NE2-L0100	Pawnee City Lake							3		
NE2-L0110	Tecumseh City Lake							3		
NE2-L0130	Pawnee Prairie Lake No. 3							3		
NE2-L0140	Pawnee Prairie Lake No. 6							3		
NE2-L0150	Pawnee Prairie Lake No. 8							3		
NE2-L0160	Pawnee Prairie Lake No. 10							3		
NE2-L0170	Pawnee Prairie Lake No. 1							3		
NE2-L0180	Pawnee Prairie Lake No. 7							3		
NE2-L0190	Pawnee Prairie Lake No. 9							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NE2-L0200	Site 41-B Lake							3		
NE2-L0210	Big Nemaha Lake							3		
NE3-L0010	Auburn City Park Lake							3		
NE3-L0020	Gritzka Lake							3		
NE3-L0030	Wilson Creek Lake 4f							3		
NE3-L0040	Wilson Creek Lake 2x							3		
NE3-L0050	Osage Lake No. 1							3		
NE3-L0060	Osage Lake No. 3							3		
NE2-L0040	Kirkman's Cove Lake	S	I		S		I	4A	Nutrients	TMDLs for dissolved oxygen and nutrients approved October 2002
NE2-L0090	Iron Horse Trail Lake	S	I		S		I	5	Mercury, Nutrients & Sediment	TMDL targeted for completion in next 2 years. Fish Tissue Advisory Issued
NE2-L0120	Burchard Lake		I		S		S	5	pH	

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## **Niobrara River Basin – Hydrologic Units 10150001, 10150002, 10150003, 10150004, 10150005, 10150006, 10150007 and 10140203**

The Niobrara River Basin includes 268 designated stream segments and 54 designated lakes/reservoirs.

**Streams** – 14 segments in the Niobrara River Basin have been assigned the primary contact recreation use, 14 segments have been assigned the Coldwater A aquatic life use, 164 segments have been assigned the Coldwater B aquatic life use, 15 segments have been assigned the Warmwater A aquatic life use and 75 segments have been assigned the Warmwater B aquatic life use. One stream segment is assigned the industrial water supply beneficial use and no waters are assigned the public water supply use. All stream segments are assigned the agriculture water supply and aesthetics beneficial use. The waterbody assessment yielded 14 Category 2 waterbodies, 245 Category 3 waterbodies and 9 Category 5 waterbodies. The pollutants causing the impairment or the parameters identified as impaired are: *E. coli* (8), pH (1) and temperature (1).

**Lakes/Reservoirs** – All of the lakes/reservoirs in the Niobrara River Basin have been assigned the agriculture and aesthetics beneficial use while not have been assigned the public water supply use. 2 lakes/reservoirs are assigned the Coldwater B aquatic life use with the remainder being assigned the Warmwater A aquatic life use. 3 lakes/reservoirs are assigned the industrial water supply beneficial use. The waterbody assessment yielded 14 Category 2 waterbodies, 31 Category 3 waterbodies, 3 Category 4C waterbodies and 6 Category 5 waterbodies. The pollutants causing the impairment or the parameters identified as impaired are: mercury (3), nutrients (3), pH (3) and conductivity (1).

### ***Changes (Delistings) from 2002 Section 303(d) List***

**NI3-12400** – The segment was included on the 2002 Section 303(d) list as impaired by excessive fecal coliform using data collected in 1998. In 2002, the Department proposed and received EPA approval to add *E. coli* as a parameter to evaluate the primary contact recreation beneficial use. Assessment of *E. coli* data collected from the segment during the 2003 recreation season indicates the waterbody is supporting the beneficial use. Based upon the available data the waterbody will be delisted.

**NI3-20000** – The segment was included on the 2002 Section 303(d) list as impaired by excessive fecal coliform using data collected in 1998. In 2002, the Department proposed and received EPA approval to add *E. coli* as a parameter to evaluate the primary contact recreation beneficial use. Assessment of *E. coli* data collected from the segment during the 2003 recreation season indicates the waterbody is supporting the beneficial use. The waterbody was also listed as impaired by the pH being outside of the acceptable range. A review of additional data collected indicates the waterbody is fully supporting the beneficial use. Based upon the available data the waterbody will be delisted.

**NI3-21900** – The segment was included on the 2002 Section 303(d) list as impaired by excessive ammonia with the supporting data being generated from NPDES permittee self-monitoring. The facility in question was reissued a water quality based NPDES permit in August 2003 and review of the data submitted by the permittee on the discharge monitoring reports indicates the NPDES permit limits have not been exceeded in the past 5 years. Based upon this the parameter will be delisted.

**NI3-30000** – The segment was included on the 2002 Section 303(d) list as impaired by excessive fecal coliform using data collected in 1998. In 2002, the Department proposed and received EPA approval to add *E. coli* as a parameter to evaluate the primary contact recreation beneficial use. Assessment of *E. coli* data collected from the segment during the 2003 recreation season indicates the waterbody is supporting the beneficial use. Based upon the available data the waterbody will be delisted.

**NI3-L0170** – The lake/reservoir was listed on the 2002 Section 303(d) list as impaired by excessive sediment. A renovation of the lake was completed in 2002 that included the removal of excessive sediments and the installation of a hydro-suction system that allows the sediment to bypass the lake rather than be deposited. Based upon the restored volume and the hydro-suction system, the beneficial uses are supported and the waterbody will be delisted.

Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
<i>Streams</i>										
NI1-10000	Missouri River	S	S		S			2		
NI1-10100	Ponca Creek		S		S			2		
NI2-10100	Verdigre Creek		S		S			2		
NI2-10320	East Branch Verdigre Creek		S		S			2		
NI2-10800	Steel Creek		S		S			2		
NI2-11300	Louse Creek		S		S			2		
NI2-11700	Eagle Creek		S		S			2		
NI3-10100	Keya Paha River		S		S			2		
NI3-12320	Bone Creek		S		S			2		
NI3-12400	Long Pine Creek	S	S		S			2		
NI3-20000	Niobrara River	S	S		S			2		
NI3-30000	Niobrara River	S	S		S			2		
NI4-10800	Pine Creek		S		S			2		
NI4-40000	Niobrara River		S		S			2		
NI1-10110	Unnamed Creek							3		
NI1-10120	Unnamed Creek							3		
NI1-10130	Unnamed Creek							3		
NI1-10140	Unnamed Creek							3		
NI1-10150	Whiskey Creek							3		
NI1-10151	Silver Creek							3		
NI1-10160	Whiskey Creek							3		
NI1-10170	Unnamed Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NI1-10180	Beaver Creek							3		
NI1-10200	Ponca Creek							3		
NI1-10210	Unnamed Creek							3		
NI1-10220	Unnamed Creek							3		
NI1-10230	Unnamed Creek							3		
NI1-10240	Unnamed Creek							3		
NI1-10250	Unnamed Creek							3		
NI1-10260	Unnamed Creek							3		
NI2-10110	Unnamed Creek							3		
NI2-10120	Unnamed Creek							3		
NI2-10130	Unnamed Creek							3		
NI2-10140	North Branch Verdigre Creek							3		
NI2-10141	Unnamed Creek							3		
NI2-10142	Unnamed Creek							3		
NI2-10143	Unnamed Creek							3		
NI2-10144	Unnamed Creek							3		
NI2-10200	Verdigre Creek							3		
NI2-10210	Unnamed Creek							3		
NI2-10220	Unnamed Creek							3		
NI2-10221	Unnamed Creek							3		
NI2-10222	Unnamed Creek							3		
NI2-10230	Middle Branch Verdigre Creek							3		
NI2-10231	Unnamed Creek							3		
NI2-10232	Unnamed Creek							3		

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		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NI2-10233	Unnamed Creek							3		
NI2-10234	Unnamed Creek							3		
NI2-10235	Unnamed Creek							3		
NI2-10236	Lamb Creek							3		
NI2-10237	Unnamed Creek							3		
NI2-10238	Unnamed Creek							3		
NI2-10239	Unnamed Creek							3		
NI2-10240	Unnamed Creek							3		
NI2-10250	Unnamed Creek							3		
NI2-10260	Unnamed Creek							3		
NI2-10270	Merriman Creek							3		
NI2-10271	Unnamed Creek							3		
NI2-10280	Merriman Creek							3		
NI2-10281	Unnamed Creek							3		
NI2-10290	Cottonwood Creek							3		
NI2-10300	South Branch Verdigre Creek							3		
NI2-10310	East Branch Verdigre Creek							3		
NI2-10311	Hay Creek							3		
NI2-10330	Unnamed Creek							3		
NI2-10340	Unnamed Creek							3		
NI2-10350	Big Springs Creek							3		
NI2-10351	Hathoway Slough							3		
NI2-10352	Unnamed Creek							3		
NI2-10400	Schindler Creek							3		

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		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NI2-10500	Unnamed Creek							3		
NI2-10600	Soldier Creek							3		
NI2-10610	Unnamed Creek							3		
NI2-10700	Pishel Creek							3		
NI2-10810	Long Gulch							3		
NI2-10900	Squaw Creek							3		
NI2-11000	Unnamed Creek							3		
NI2-11100	Sand Creek							3		
NI2-11200	Louse Creek							3		
NI2-11400	Redbird Creek							3		
NI2-11410	Unnamed Creek							3		
NI2-11420	Spring Creek							3		
NI2-11430	Blackbird Creek							3		
NI2-11500	Redbird Creek							3		
NI2-11510	Unnamed Creek							3		
NI2-11520	Unnamed Creek							3		
NI2-11600	Unnamed Creek							3		
NI2-11710	Camp Creek							3		
NI2-11720	Unnamed Creek							3		
NI2-11730	Honey Creek							3		
NI2-11740	Unnamed Creek							3		
NI2-11750	Oak Creek							3		
NI2-11760	Unnamed Creek							3		
NI2-11770	East Branch Eagle Creek							3		

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		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics				
NI2-11771	Unnamed Creek							3			
NI2-11772	Unnamed Creek							3			
NI2-11780	Middle Branch Eagle Creek							3			
NI2-11781	North Branch Eagle Creek							3			
NI2-11781.1	Unnamed Creek							3			
NI2-11781.2	Unnamed Creek							3			
NI2-11781.3	Unnamed Creek							3			
NI2-11782	Unnamed Creek							3			
NI2-11783	Unnamed Creek							3			
NI2-11784	Unnamed Creek							3			
NI2-11800	Unnamed Creek							3			
NI2-11900	Turkey Creek							3			
NI2-12000	Brush Creek							3			
NI2-12010	Spring Creek							3			
NI2-12020	Unnamed Creek							3			
NI2-12030	Unnamed Creek							3			
NI2-12040	Unnamed Creek							3			
NI2-12041	Unnamed Creek							3			
NI2-12100	Brush Creek							3			
NI2-12200	Little Sandy Creek							3			
NI2-12300	Big Sandy Creek							3			
NI2-12310	Unnamed Creek							3			
NI2-12320	Unnamed Creek							3			
NI2-12330	Unnamed Creek							3			

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NI2-12340	Unnamed Creek							3		
NI2-12350	Spring Creek							3		
NI2-12400	Big Sandy Creek							3		
NI2-12410	Unnamed Creek							3		
NI3-10110	Morse Creek							3		
NI3-10111	Unnamed Creek							3		
NI3-10120	Big Creek							3		
NI3-10130	Meglin Creek							3		
NI3-10140	Oak Creek							3		
NI3-10141	Unnamed Creek							3		
NI3-10142	Unnamed Creek							3		
NI3-10150	Alkali Creek							3		
NI3-10160	Spotted Tail Creek							3		
NI3-10170	Coon Creek							3		
NI3-10171	Unnamed Creek							3		
NI3-10180	Wolf Creek							3		
NI3-10190	Spring Creek							3		
NI3-10200	Dry Creek							3		
NI3-10210	Buffalo Creek							3		
NI3-10211	Unnamed Creek							3		
NI3-10220	Burton Creek							3		
NI3-10230	Lute Creek							3		
NI3-10240	Jordan Creek							3		
NI3-10250	Holt Creek							3		

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		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics				
NI3-10251	East Branch Holt Creek							3			
NI3-10260	Holt Creek							3			
NI3-10261	Unnamed Creek							3			
NI3-10270	Timber Creek							3			
NI3-10280	Cottonwood Creek							3			
NI3-10290	Lost Creek							3			
NI3-10300	Shadley Creek							3			
NI3-10400	Beaver Creek							3			
NI3-10500	Clay Creek							3			
NI3-10510	West Branch Clay Creek							3			
NI3-10600	Unnamed Creek							3			
NI3-10700	Otter Creek							3			
NI3-10800	Unnamed Creek							3			
NI3-10900	Simpson Creek							3			
NI3-10910	Unnamed Creek							3			
NI3-11000	Big Anne Creek							3			
NI3-11010	Haughin Creek							3			
NI3-11011	Unnamed Creek							3			
NI3-11100	Ash Creek							3			
NI3-11110	Unnamed Creek							3			
NI3-11120	Unnamed Creek							3			
NI3-11200	Oak Creek							3			
NI3-11210	Unnamed Creek							3			
NI3-11220	Unnamed Creek							3			

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		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NI3-11300	Willow Creek							3		
NI3-11310	Sand Creek							3		
NI3-11400	Unnamed Creek							3		
NI3-11500	Rock Creek							3		
NI3-11600	Unnamed Creek							3		
NI3-11700	West Branch Laughing Water Creek							3		
NI3-11710	East Branch Laughing Water Creek							3		
NI3-11720	Middle Branch Laughing Water Creek							3		
NI3-11800	Coon Creek							3		
NI3-11900	Elk Creek							3		
NI3-12000	Wyman Creek							3		
NI3-12100	Sand Creek							3		
NI3-12200	Thomas Creek							3		
NI3-12310	Short Pine Creek							3		
NI3-12321	Sand Draw							3		
NI3-12322	Unnamed Creek							3		
NI3-12330	Bone Creek							3		
NI3-12410	Willow Creek							3		
NI3-12500	Long Pine Creek							3		
NI3-12600	Prosser Creek							3		
NI3-12700	Jewett Creek							3		
NI3-12800	Dutch Creek							3		
NI3-12900	Rock Creek							3		
NI3-12910	Unnamed Creek							3		

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		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics				
NI3-13010	Little Minnie Creek							3			
NI3-13020	Evergreen Creek							3			
NI3-13021	Cedar Creek							3			
NI3-13021.1	Dry Creek							3			
NI3-13110	North Branch Plum Creek							3			
NI3-13111	Brush Creek							3			
NI3-13120	South Branch Plum Creek							3			
NI3-20100	Cub Creek							3			
NI3-20110	Unnamed Creek							3			
NI3-20200	Chimney Creek							3			
NI3-20210	Unnamed Creek							3			
NI3-20300	Turkey Creek							3			
NI3-20400	Middle Creek							3			
NI3-20410	East Middle Creek							3			
NI3-20500	Fairfield Creek							3			
NI3-20510	South Fork Fairfield Creek							3			
NI3-20600	Mcgill Creek							3			
NI3-20700	Muleshoe Creek							3			
NI3-20800	Coleman Creek							3			
NI3-20900	Unnamed Creek							3			
NI3-21000	Clapp Creek							3			
NI3-21100	Unnamed Creek							3			
NI3-21200	Unnamed Creek							3			
NI3-21300	Unnamed Creek							3			

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		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NI3-21400	Unnamed Creek							3		
NI3-21500	Crooked Creek							3		
NI3-21600	Little Beaver Creek							3		
NI3-21700	Big Beaver Creek							3		
NI3-21800	Coon Creek							3		
NI3-21910	Spring Creek							3		
NI3-21920	Fishberry Creek							3		
NI3-21930	Dry Creek							3		
NI3-22000	Minnechaduzza Creek							3		
NI3-22010	Bull Creek							3		
NI3-22100	Schlagel Creek							3		
NI3-22200	Gordon Creek							3		
NI3-22210	Betsy Creek							3		
NI3-22300	Gordon Creek							3		
NI3-22310	Arkansas Flats							3		
NI3-22320	Sandy Richards Creek							3		
NI3-22510	Boardman Creek							3		
NI3-22511	Unnamed Creek							3		
NI3-22520	Clifford Creek							3		
NI3-22521	Willow Creek							3		
NI3-22600	Snake River							3		
NI3-30100	Unnamed Creek							3		
NI3-30200	Mccann Canyon							3		
NI3-30300	Medicine Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses							Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics				
NI4-10100	Bear Creek							3			
NI4-10110	Dry Creek							3			
NI4-10120	Dry Creek							3			
NI4-10121	Unnamed Creek							3			
NI4-10200	Leander Creek							3			
NI4-10300	Hay Creek							3			
NI4-10400	Antelope Creek							3			
NI4-10500	Pole Creek							3			
NI4-10600	Rush Creek							3			
NI4-10700	Deer Creek							3			
NI4-10900	Pine Creek							3			
NI4-11000	Box Butte Creek							3			
NI4-20000	Niobrara River							3			
NI4-20100	Pepper Creek							3			
NI4-20200	Cottonwood Creek							3			
NI4-20300	Snake Creek							3			
NI4-20310	South Branch Snake Creek							3			
NI4-20320	North Branch Snake Creek							3			
NI4-30000	Niobrara River							3			
NI4-40100	Whistle Creek							3			
NI4-50000	Niobrara River							3			
NI2-10000	Niobrara River	I	S		S	S		5	<i>E. coli</i>		
NI3-10000	Niobrara River	I	S		S			5	<i>E. coli</i>		
NI3-12300	Long Pine Creek	I	S		S			5	<i>E. coli</i>		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses							Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics				
NI3-13000	Plum Creek	I	S		S			5	<i>E. coli</i>		
NI3-13100	Plum Creek	I	S		S			5	<i>E. coli</i>		
NI3-21900	Minnechaduza Creek	I	I		S			5	<i>E. coli</i> & Temperature		
NI3-22400	Snake River	S	I		S			5	pH		
NI3-22500	Snake River	I	S		S			5	<i>E. coli</i>		
NI4-10000	Niobrara River	I	S		S			5	<i>E. coli</i>		
<b>Lakes/Reservoirs/Impounded Waters</b>											
NI2-L0060	Grove Lake		S		S		S	2			
NI2-L0070	Spencer Hydro Dam Lake					S		2			
NI3-L0070	Cub Creek Lake		S		S		S	2			
NI3-L0090	Cornell Dam Lake					S		2			
NI3-L0100	North Marsh Lake					S		2			
NI3-L0130	East Twin Lake		S		S		S	2			
NI3-L0170	Valentine Mill Pond		S		S		S	2		Reservoir volume restored, Sediment siphon system installed.	
NI3-L0190	West Twin Lake		S		S		S	2			
NI3-L0270	Pelican Lake		S		S		S	2			
NI3-L0290	Watts Lake		S		S		S	2			
NI3-L0320	Duck Lake		S		S		S	2			
NI3-L0330	Merritt Reservoir	S						2			
NI4-L0040	Smith Lake		S					2			
NI4-L0050	Walgren Lake		S					2			
NI1-L0010	Hull Lake							3			

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses							Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics				
NI2-L0010	Creighton Rod And Gun Club Lake							3			
NI2-L0020	Niobrara State Park Lake No. 1							3			
NI2-L0030	Niobrara State Park Lake No. 2							3			
NI2-L0040	Niobrara State Park Lagoon							3			
NI2-L0050	Grove Sandpit Lake							3			
NI3-L0010	F. Peterson Pond							3			
NI3-L0020	Keller Park Lake No. 1							3			
NI3-L0030	Keller Park Lake No. 2							3			
NI3-L0040	Keller Park Lake No. 3							3			
NI3-L0050	Keller Park Lake No. 4							3			
NI3-L0060	Keller Park Lake No. 5							3			
NI3-L0080	Williams Pond							3			
NI3-L0110	Middle Marsh Lake							3			
NI3-L0120	South Marsh Lake							3			
NI3-L0140	Valentine Fish Hatchery Lake							3			
NI3-L0150	Calf Camp Marsh							3			
NI3-L0160	Little Hay Lake							3			
NI3-L0180	Ballards Marsh							3			
NI3-L0210	Willow Lake							3			
NI3-L0230	Mckeel Lake							3			
NI3-L0250	School Lake							3			
NI3-L0260	Clear Lake							3			
NI3-L0280	Whitewater Lake							3			
NI3-L0310	Rice Lake							3			

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NI3-L0340	Cody Lake							3		
NI3-L0350	Shaup Lake							3		
NI3-L0360	Medicine Lake							3		
NI4-L0030	Leistritz-Meyer Lake							3		
NI4-L0060	Alliance City Lake							3		
NI4-L0070	Maxwell Pond							3		
NI3-L0200	Hackberry Lake		I		S		S	4C	pH	
NI3-L0220	Big Alkali Lake		I		S		S	4C	pH	
NI3-L0240	Dewey Lake		I		S		S	4C	pH	
NI3-L0300	West Long Lake		I		S		I	5	pH, Nutrients	
NI3-L0370	Round Lake		I		I		I	5	pH, Nutrients & Conductivity	
NI4-L0010	Cottonwood Lake		I					5	Mercury	Fish Tissue Advisory Issued
NI4-L0020	Shell Lake		I					5	Mercury	Fish Tissue Advisory Issued
NI4-L0080	Box Butte Reservoir	S	I		S		S	5	Mercury	Fish Tissue Advisory Issued
NI4-L0090	Kilpatrick Lake		I		S		I	5	pH, Nutrients	

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## **North Platte River Basin – Hydrologic Units 10180009, 10180012, 10180013 and 10180014**

The North Platte River Basin includes 136 designated stream segments and 48 designated lakes/reservoirs.

**Streams** – 11 segment within the North Platte River basin have been assigned the primary contact recreation beneficial use, 21 segments have been assigned the Coldwater A aquatic life use, 80 segments have been assigned the Coldwater B aquatic life use, 6 segments have been assigned the Warmwater A aquatic life use and 29 segments have been assigned the Warmwater B aquatic life use. All of the segments are assigned the agriculture water supply and aesthetics beneficial use while no segments have been assigned the public drinking water supply or industrial water supply beneficial uses. The waterbody assessment yielded 15 Category 2 waterbodies, 112 Category 3 waterbodies, 3 category 4A waterbodies, 2 Category 4C waterbodies and 4 Category 5 waterbodies. The pollutants causing the impairment or the parameters identified as impaired are: *E. coli* (2), mercury (2), Dieldrin (1), temperature (1) and PCBs (1).

**Lakes/Reservoirs** – All of the lakes/reservoirs in the North Platte basin have been assigned the primary contact recreation, agriculture water supply and aesthetics beneficial uses. 1 lake/reservoir has been assigned the industrial water supply use, 3 lake/reservoirs have been assigned the Coldwater B aquatic life use while the remainder are assigned the Warmwater A aquatic life use. No lake or reservoir has been assigned the public drinking water supply beneficial use. The waterbody assessment yielded 1 Category 1 waterbody, 2 category 2 waterbodies, 37 Category 3 waterbodies, 4 category 4C waterbodies and 4 Category 5 waterbodies. The pollutants causing the impairment or the parameters identified as impaired are: nutrients (4), pH (2), dissolved oxygen (1) and conductivity (1).

### ***Changes (Delistings) from 2002 Section 303(d) List***

**NP1-10000** – The segment was included on the 2002 Section 303(d) list as impaired by excessive ammonia with the supporting data being generated from NPDES permittee self-monitoring. The facility in question was issued a water quality based NPDES permit in February 2004 and water quality data obtained from the segment indicates neither the applicable acute or chronic water quality criteria were exceeded in the 55 monitoring points. Based upon this the parameter will be delisted.

**NP3-10000** – The segment was included on the 2002 Section 303(d) list as impaired by excessive ammonia with the supporting data being generated from NPDES permittee self-monitoring. Water quality data obtained from the segment indicates neither the applicable acute or chronic water quality criteria were exceeded in the 23 monitoring points. Based upon this the parameter will be delisted.

**NP3-10100** – The segment was listed on the 2002 Section 303(d) list as having insufficient dissolved oxygen. A review of the current data that meets the meet the data quality consideration established with the *Methodology for Waterbody Assessment and Development of the 2004 Integrated Report for Nebraska*, October 2003 indicates the waterbody is supporting the beneficial use. Based upon this the waterbody will be delisted.

Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
<i>Streams</i>										
NP1-30000	North Platte River	S	S					2		
NP1-40000	North Platte River	S	S					2		
NP2-10300	Otter Creek		S		S			2		
NP3-10100	Pumpkin Creek		S		S			2		
NP3-10900	Red Willow Creek		S		S			2		
NP3-11100	Red Willow Creek		S					2		
NP3-11700	Ninemile Creek		S		S			2		
NP3-11900	Ninemile Creek		S					2		
NP3-12000	Ninemile Creek		S		S			2		
NP3-12400	Gering Drain		S					2		
NP3-12600	Winters Creek		S		S			2		
NP3-13000	Tub Springs Drain		S		S			2		
NP3-13100	Tub Springs Drain		S					2		
NP3-30400	Sheep Creek		S					2		
NP3-30600	Horse Creek		S					2		
NP1-10100	Scout Creek							3		
NP1-10110	Ditch No. 2							3		
NP1-10200	Scout Creek							3		
NP1-20100	Unnamed Creek							3		
NP1-20200	Unnamed Creek							3		
NP1-20300	Unnamed Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NP1-20400	Ditch No. 3							3		
NP1-20510	West Birdwood Creek							3		
NP1-20520	North Fork Birdwood Creek							3		
NP1-20521	Squaw Creek							3		
NP1-20530	North Fork Birdwood Creek							3		
NP1-30100	Bull Ditch							3		
NP1-30200	East Clear Creek							3		
NP1-30300	Unnamed Drain							3		
NP1-30400	Unnamed Drain							3		
NP1-30500	Cedar Creek							3		
NP1-30600	Lake Creek							3		
NP1-30700	Unnamed Drain							3		
NP1-30800	Sand Creek							3		
NP1-30900	Whitetail Creek							3		
NP1-30910	Unnamed Creek							3		
NP1-31000	Whitetail Creek							3		
NP1-40100	Unnamed Drain							3		
NP1-40200	Sutherland Canal							3		
NP2-10100	Lonegan Creek							3		
NP2-10200	Sand Creek							3		
NP2-10400	Clear Creek							3		
NP2-10500	Plum Creek							3		
NP2-10600	Plum Creek							3		
NP2-10700	Ash Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NP2-10900	Blue Creek							3		
NP2-11000	Blue Creek							3		
NP2-11100	Blue Creek							3		
NP2-11200	Blue Creek							3		
NP2-11300	Blue Creek							3		
NP2-11400	Blue Creek							3		
NP2-11500	Lost Creek							3		
NP2-11600	Rush Creek							3		
NP2-11700	Coldwater Creek							3		
NP2-11800	Cedar Creek							3		
NP2-11900	Cedar Creek							3		
NP2-12000	Deep Holes Creek							3		
NP2-12100	Lower Dugout Creek							3		
NP2-12200	Silvernail Drain							3		
NP3-10200	Pumpkin Creek							3		
NP3-10210	Greenwood Creek							3		
NP3-10300	Pumpkin Creek							3		
NP3-10310	Lawrence Fork							3		
NP3-10400	Pumpkin Creek							3		
NP3-10410	Big Horn Gulch							3		
NP3-10500	Pumpkin Creek							3		
NP3-10510	Willow Creek							3		
NP3-10600	Upper Dugout Creek							3		
NP3-10700	Indian Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NP3-10800	Degraw Drain							3		
NP3-10910	Wildhorse Drain							3		
NP3-10911	Wildhorse Canyon							3		
NP3-10920	Wildhorse Drain							3		
NP3-11000	Red Willow Creek							3		
NP3-11110	West Water Creek							3		
NP3-11200	Red Willow Creek							3		
NP3-11300	Bayard Drain							3		
NP3-11400	Bayard Drain							3		
NP3-11410	Stuckenhole Drain							3		
NP3-11500	Bayard Drain							3		
NP3-11600	Cleveland Drain							3		
NP3-11800	Ninemile Creek							3		
NP3-11810	Moffat Drain							3		
NP3-11820	Alliance Drain							3		
NP3-11910	East Ninemile Creek							3		
NP3-12100	Fairfield Seep							3		
NP3-12200	Melbeta Drain							3		
NP3-12300	Scottsbluff Drain							3		
NP3-12500	Gering Drain							3		
NP3-12610	Scottsbluff Drain							3		
NP3-12620	Dunham Andrews Drain							3		
NP3-12700	Winters Creek							3		
NP3-12800	Unnamed Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NP3-12900	Tub Springs Drain							3		
NP3-12910	Unnamed Creek							3		
NP3-12911	Unnamed Creek							3		
NP3-13010	Sunflower Drain							3		
NP3-13110	Hiersche Drain							3		
NP3-13200	Tub Spring Drain							3		
NP3-20100	Unnamed Creek							3		
NP3-20200	Mitchell Drain							3		
NP3-20300	Spottedtail Creek							3		
NP3-20310	Unnamed Creek							3		
NP3-20400	Spottedtail Creek							3		
NP3-20500	Browns Canyon							3		
NP3-20600	Dry Spottedtail Creek							3		
NP3-20610	Unnamed Drain							3		
NP3-20700	Dry Spottedtail Creek							3		
NP3-30100	Unnamed Drain							3		
NP3-30200	Sheep Creek							3		
NP3-30300	Sheep Creek							3		
NP3-30310	Dry Sheep Creek							3		
NP3-30410	Unnamed Creek							3		
NP3-30500	Sheep Creek							3		
NP3-30610	Unnamed Drain							3		
NP3-30620	Owl Creek							3		
NP3-30621	Dry Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NP3-30621.1	Dry Creek							3		
NP3-30621.2	Dry Creek							3		
NP3-30622	Dry Creek							3		
NP3-30622.1	Unnamed Drain							3		
NP3-30623	Kiowa Creek							3		
NP3-30623.1	Kiowa Creek							3		
NP3-30624	Kiowa Creek							3		
NP3-30630	Owl Creek							3		
NP3-30640	Owl Creek							3		
NP3-40000	North Platte River							3		
NP1-20500	Birdwood Creek	I	I		S			4A	E. coli, Fecal Coliform & Temperature	Bacteria TMDL Approved October 2003
NP3-20000	North Platte River	I	I					4A	Fecal coliform & Temperature	Bacteria TMDL Approved October 2003
NP3-30000	North Platte River	I	I					4A	Fecal coliform & Temperature	Bacteria TMDL Approved October 2003
NP2-10800	Blue Creek		I		S			4C	Temperature	
NP3-50000	North Platte River	S	I		S			4C	Temperature	Bacteria TMDL Approved 10/03
NP1-10000	North Platte River	I	I		S			5	E. coli, Fecal coliform & Mercury	Bacteria TMDL Approved 10/03. Fish Tissue Advisory Issued
NP1-20000	North Platte River	I	S					5	E. coli	
NP2-10000	North Platte River	I	I		S			5	E. coli & Mercury	Bacteria TMDL Approved 10/03. Fish Tissue Advisory Issued

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NP3-10000	North Platte River	I	I		S			5	Temperature, Fecal coliform, Dieldrin & PCBs	Bacteria TMDL Approved 10/03. Fish Tissue Advisory Issued
<b><i>Lakes/Reservoirs/Impounded Waters</i></b>										
NP2-L0010	Lake C.W. McConaughy	S	S		S	S	S	1		
NP2-L0090	Crane Lake		S		S		S	2		
NP2-L0110	Island Lake		S		S		S	2		
NP1-L0010	Cody Park Lake							3		
NP1-L0020	North Platte City Lake							3		
NP2-L0020	Camp Valley Lake							3		
NP2-L0030	Phillips Flats Lake							3		
NP2-L0040	Upper East Jones Lake							3		
NP2-L0050	Lower West Jones Lake							3		
NP2-L0060	Swede Lake							3		
NP2-L0070	Deer Lake							3		
NP2-L0080	Christ Lake							3		
NP2-L0120	Shafer Lake							3		
NP2-L0140	Mallard Arm							3		
NP2-L0150	Blue Lake							3		
NP2-L0160	Duck Slough							3		
NP2-L0170	Gimlet Lake							3		
NP2-L0190	West Jones Lake							3		
NP2-L0200	Swan Lake							3		
NP2-L0210	Boyd Pond							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NP2-L0220	Lost Lake							3		
NP2-L0230	Lower Harrison Lake							3		
NP2-L0240	Upper Harrison Lake							3		
NP2-L0250	Redhead Lake							3		
NP2-L0260	Perrin Lake							3		
NP2-L0280	Upper Tree Claim Lake							3		
NP2-L0290	Smith Lake							3		
NP2-L0310	Ramelli Lake							3		
NP2-L0320	Martin Lake							3		
NP3-L0010	Bridgeport Southeast Lake							3		
NP3-L0020	Bridgeport Northeast Lake							3		
NP3-L0030	Bridgeport Middle Lake							3		
NP3-L0040	Bridgeport Southwest Lake							3		
NP3-L0050	Bridgeport Northwest Lake							3		
NP3-L0070	Winters Creek Lake							3		
NP3-L0090	Little Lake Alice							3		
NP3-L0100	Buffalo Springs Lake							3		
NP3-L0110	Lake Alice							3		
NP3-L0120	Terry's Pit Lake							3		
NP3-L0130	University Lake							3		
NP2-L0100	Hackberry Lake		I		S		S	4C	pH	
NP2-L0130	Roundup Lake		I		S		S	4C	pH	
NP2-L0180	Goose Lake		I		I		S	4C	pH, Conductivity	
NP2-L0270	Tree Claim Lake		I		I		S	4C	pH, Conductivity	

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
NP1-L0030	Lake Ogallala		I				I	5	Dissolved Oxygen & Nutrients	
NP2-L0300	Border Lake		I		I		I	5	pH, Nutrients & Conductivity	
NP3-L0060	Lake Minatare		I		S		I	5	Nutrients	
NP3-L0080	Cochran Lake		I		S		I	5	pH, Nutrients	

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**Republican River Basin – Hydrologic Units 10250001, 10250002, 10250003, 10250004, 10250006, 10250007, 10250008, 10250009, 10250011, 10250014, 10250015 and 0250016**

The Republican River basin includes 102 designated stream segments and 18 designated lakes/reservoirs.

**Streams** – 11 segments with the Republican River Basin have been assigned the primary contact recreation beneficial use, 19 segments have been assigned the Coldwater B aquatic life use, 24 segments have been assigned the Warmwater A aquatic life use and 59 segments have been assigned the Warmwater B aquatic life use. All of the segments have been assigned the agriculture water supply and aesthetics beneficial uses while no segments are assigned the public drinking water or industrial supply beneficial use. The waterbody assessment yielded 15 Category 2 waterbodies, 74 Category 3 waterbodies, 4 category 4C waterbodies and 8 Category 5 waterbodies. The pollutants causing the impairment or the parameters identified as impaired are: *E. coli* (6), fecal coliform (5), dissolved oxygen (2), selenium (1) and temperature (1).

**Lakes/Reservoirs** – All of the lakes/reservoirs in the Republican River basin have been assigned the primary contact recreation, agriculture water supply and aesthetics beneficial uses. One lake/reservoir is assigned the Coldwater B aquatic life while the remaining lakes/reservoirs are assigned the Warmwater A aquatic life use. No lake/reservoir is assigned the public drinking water or industrial water supply beneficial use. The waterbody assessment yielded 2 Category 1 waterbodies, 1 Category 2 waterbody, 10 Category 3 waterbodies and 5 Category 5 waterbodies. The pollutants causing the impairment or the parameters identified as impaired are: nutrients (4) and dissolved oxygen (1).

**Changes (Delistings) from 2002 Section 303(d) List**

**RE1-30000** – The segment was listed on the 2002 Section 303(d) List as impaired by excessive fecal coliform. The available data does not meet the data quality objectives set for in the *Methodology for Waterbody Assessment and Development of the 2004 Integrated Report for Nebraska*, October 2003 and therefore the waterbody will be not be considered impaired rather the waterbody will be considered with insufficient information to determine if any beneficial uses are being met.

**RE3-40000** – The segment was listed on the 2002 Section 303(d) list as impaired by excessive fecal coliform with the supporting data being generated from NPDES permittee self-monitoring. A review of the data submitted by the permittee on the discharge monitoring reports indicates the NPDES permit limits have only been exceeded once in the previous 5-year period. As well, water quality monitoring data collected from the segment indicates full support of the primary contact recreation beneficial use. Based upon this the waterbody will be delisted.

Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses					Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply			
<b>Streams</b>									
RE1-30100	Elm Creek		S		S		2		
RE1-40000	Republican River		S				2		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
RE2-10600	Sappa Creek		S		S			2		
RE2-11100	Turkey Creek		S		S			2		
RE2-11400	Muddy Creek		S		S			2		
RE3-10100	Medicine Creek	S	S		S			2		
RE3-10200	Medicine Creek		S		S			2		
RE3-10500	Red Willow Creek		S		S			2		
RE3-10600	Red Willow Creek		S		S			2		
RE3-10800	Driftwood Creek		S		S			2		
RE3-20400	Frenchman Creek		S		S			2		
RE3-40000	Republican River		S		S			2		
RE3-40500	South Fork Republican River		S		S			2		
RE3-50100	Buffalo Creek		S		S			2		
RE3-50300	North Fork Republican River		S		S			2		
RE1-10100	Blakely Creek							3		
RE1-10110	Oak Creek							3		
RE1-10200	Lost Creek							3		
RE1-10300	Unnamed Creek							3		
RE1-10400	Cottonwood Creek							3		
RE1-10500	Beaver Creek							3		
RE1-20100	Rankin Creek							3		
RE1-20200	Willow Creek							3		
RE1-20300	Courtland Canal							3		
RE1-30000	Republican River							3		
RE1-30200	Lost Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
RE1-30300	Hicks Creek							3		
RE1-30400	Dry Creek							3		
RE1-30500	Crooked Creek							3		
RE1-30600	Cedar Creek							3		
RE1-30700	Indian Creek							3		
RE1-30800	East Penny Creek							3		
RE1-30900	Louisa Creek							3		
RE1-31000	Walnut Creek							3		
RE1-31100	Farmers Creek							3		
RE1-40100	Wortham Creek							3		
RE1-40200	Lovely Creek							3		
RE1-40300	Reams Creek							3		
RE1-40400	Coates Creek							3		
RE1-40410	Wasp Creek							3		
RE1-40500	Calumet Creek							3		
RE1-40600	Walnut Run							3		
RE1-40700	Center Creek							3		
RE1-40800	Lost Creek							3		
RE1-40900	Little Cottonwood Creek							3		
RE1-41000	Cottonwood Creek							3		
RE1-41100	Turkey Creek							3		
RE2-10100	Methodist Creek							3		
RE2-10200	Cook Creek							3		
RE2-10400	Rope Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
RE2-10500	Flag Creek							3		
RE2-10620	Sheep Creek							3		
RE2-10630	Dutch Creek							3		
RE2-10700	Milrose Creek							3		
RE2-10800	Foster Creek							3		
RE2-10900	Spring Creek							3		
RE2-10910	Deep Creek							3		
RE2-11000	Swartz Creek							3		
RE2-11200	Dry Creek							3		
RE2-11300	Elk Creek							3		
RE2-11410	West Muddy Creek							3		
RE2-11500	Muddy Creek							3		
RE2-11600	Deer Creek							3		
RE3-10210	Cedar Creek							3		
RE3-10220	Spring Creek							3		
RE3-10230	Curtis Creek							3		
RE3-10240	Fox Creek							3		
RE3-10241	Cut Canyon							3		
RE3-10300	Medicine Creek							3		
RE3-10310	Brushy Creek							3		
RE3-10400	Medicine Creek							3		
RE3-10700	Red Willow Creek							3		
RE3-20000	Republican River							3		
RE3-20100	Blackwood Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
RE3-20210	Bobtail Creek							3		
RE3-20221	Spring Creek							3		
RE3-20410	Sand Draw							3		
RE3-20500	Frenchman Creek							3		
RE3-30000	Republican River							3		
RE3-40100	Muddy Creek							3		
RE3-40200	Burntwood Creek							3		
RE3-40300	Indian Creek							3		
RE3-40310	Rock Canyon							3		
RE3-40400	Indian Creek							3		
RE3-40510	Big Timber Creek							3		
RE3-40600	Spring Creek							3		
RE3-40700	Horse Creek							3		
RE3-50000	Republican River							3		
RE3-50200	Buffalo Creek							3		
RE3-50400	Arikaree River							3		
RE1-31200	Thompson Creek		I		S			4C	Temperature	
RE3-20200	Frenchman Creek		I		S			4C	Temperature	
RE3-20220	Stinking Water Creek		I		S			4C	Temperature	
RE3-40800	Rock Creek		I		S			4C	Temperature	
RE1-10000	Republican River	I	S		S			5	<i>E. coli</i> & Fecal coliform	TMDLs targeted for completion in next 2 years
RE1-20000	Republican River	I	S		S			5	<i>E. coli</i> & Fecal coliform	TMDLs targeted for completion in next 2 years

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
RE1-50000	Republican River	I	S		S			5	<i>E. coli</i> & Fecal coliform	TMDLs targeted for completion in next 2 years
RE2-10000	Republican River	I	S		S			5	<i>E. coli</i>	
RE2-10300	Prairie Dog Creek		I		S			5	Dissolved Oxygen	
RE2-10610	Beaver Creek		I		S			5	Dissolved Oxygen	
RE3-10000	Republican River	I	I		S			5	Ammonia, <i>E. coli</i> , Fecal coliform & Selenium	TMDLs targeted for completion in next 2 years
RE3-20300	Frenchman Creek	I	I		S			5	<i>E. coli</i> , Fecal Coliform & Temperature	TMDLs targeted for completion in next 2 years
<b>Lakes/Reservoirs/Impounded Waters</b>										
RE3-L0010	Harry Strunk Lake	S	S		S		S	1		
RE3-L0100	Enders Reservoir	S	S		S		S	1		
RE3-L0080	Hayes Center Lake		S				S	2		
RE1-L0010	Sacramento-Wilcox Lake No. 1							3		
RE1-L0020	Sacramento-Wilcox Lake No. 2							3		
RE1-L0030	Sacramento-Wilcox Lake No. 3							3		
RE1-L0040	Holdrege Park Lake							3		
RE1-L0050	Limestone Bluffs Lake							3		
RE3-L0020	Bartley Diversion Dam Lake							3		
RE3-L0030	Hansen Memorial Reserve Lake							3		
RE3-L0040	Red Willow Diversion Dam Lake							3		
RE3-L0050	Barnett Park Lake							3		
RE3-L0120	Rock Creek Lake							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
RE2-L0010	Harlan County Reservoir	S	I		S		I	5	Nutrients	
RE3-L0060	Hugh Butler Lake	S	I		S		I	5	Dissolved Oxygen	
RE3-L0070	Wellfleet Lake		I		S		I	5	Nutrients	
RE3-L0090	Swanson Reservoir	S	I		S		I	5	Nutrients	
RE3-L0110	Champion Mill Pond		I		S		I	5	Nutrients	

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**South Platte Basin – Hydrologic Units 10190012, 10190015, 10190016, 10190017 and 10190018**

The South Platte River Basin includes 28 designated stream segments and 13 designated lakes/reservoirs.

**Streams** – One stream segment within the South Platte basin is assigned the primary contact recreation beneficial use, 1 segment has been assigned the Coldwater A aquatic life use, 13 segments have been assigned the Coldwater B aquatic life use, 11 segments have been assigned the Warmwater A aquatic life use and 3 segments have been assigned the Warmwater B aquatic life use. All of the segments have been assigned the agriculture water supply and aesthetics beneficial uses while no segments have been assigned the public drinking water or industrial water supply beneficial uses. The waterbody assessment yielded 1 Category 2 waterbody 19 Category 3 waterbodies, 1 Category 4A waterbody and 7 Category 5 waterbodies. The pollutants causing the impairment or the parameters identified as impaired are: PCBs (3), selenium (2), *E. coli* (1) and pH (1).

**Lakes/Reservoirs** – All of the lakes/reservoirs in the South Platte basin have been assigned the primary contact recreation, agriculture water supply and aesthetics beneficial uses. One lake/reservoir has been assigned the Coldwater B aquatic life use with the remaining lakes/reservoirs being assigned the Warmwater A aquatic life use. One lake/reservoir is assigned the industrial water supply beneficial use while no lake/reservoir is assigned the public water supply beneficial use. The waterbody assessment yielded 1 Category 1 waterbody, 1 Category 2 waterbody, 6 Category 3 waterbodies and 5 Category 5 waterbodies. The pollutants causing the impairment or the parameters identified as impaired are: mercury (4), conductivity (1) and nutrients (1).

**Changes (Delistings) from 2002 Section 303(d) List**

**SP1-70000** – The segment was listed on the 2002 Section 303(d) list as impaired by excessive ammonia with the supporting data being generated from NPDES permittee self-monitoring. The facility in question was issued a water quality based NPDES permit and water quality data available from the segment indicate the applicable acute or chronic water quality criteria were not exceeded in 23 measurements. Based upon this the parameter will be delisted.

Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
<b>Streams</b>										
SP2-50000	Lodgepole Creek		S		S			2		
SP1-10100	Fremont Slough							3		
SP1-10200	Fremont Slough							3		
SP1-10300	Fremont Slough							3		
SP1-10400	Fremont Slough							3		
SP1-10700	Sutherland Canal							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
SP1-10710	South Platte River							3		
SP1-20100	Fremont Slough							3		
SP1-20200	Fremont Slough							3		
SP1-30000	South Platte River							3		
SP1-30100	Fremont Slough							3		
SP1-30200	Unnamed Creek							3		
SP1-40000	South Platte River							3		
SP1-40100	Unnamed Creek							3		
SP1-60000	South Platte River							3		
SP1-80000	South Platte River							3		
SP2-20000	Lodgepole Creek							3		
SP2-30000	Lodgepole Creek							3		
SP2-40000	Lodgepole Creek							3		
SP2-60000	Lodgepole Creek							3		
SP2-10000	Lodgepole Creek							4B	Ammonia	
SP1-10000	South Platte River	I	S					5	<i>E. coli</i>	
SP1-10500	Outlet Canal		I					5	PCBs	
SP1-10600	Outlet Canal		I					5	PCBs	
SP1-20000	South Platte River		I		S			5	Selenium	
SP1-50000	South Platte River		I					5	PCBs	
SP1-70000	South Platte River		I					5	pH	
SP1-90000	South Platte River		I		S			5	Selenium	
<b>Lakes/Reservoirs/Impounded Waters</b>										
SP1-L0020	Lake Maloney	S	S		S	S	S	1		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
SP1-L0050	Hershey Lake		S		S		S	2		
SP1-L0010	Interstate Lake							3		
SP1-L0060	West Hershey Lake							3		
SP1-L0070	East Sutherland Lake							3		
SP1-L0090	Ogallala City Park Lake							3		
SP2-L0010	Chappell Interstate Lake							3		
SP2-L0020	Bennett Reservoir							3		
SP1-L0030	Birdwood Lake		I		S		S	5	Mercury	
SP1-L0040	East Hershey Lake		I					5	Mercury	
SP1-L0080	Sutherland Reservoir	S	I		S	S	S	5	PCBs	
SP1-L0100	Goldeneye Pond		S		I		S	5	Conductivity	
SP2-L0030	Oliver Reservoir		I		S		I	5	Mercury & Nutrients	

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## White River-Hat Creek Basin – Hydrologic Units 10120108, 10120108 and 10140201

The White River-Hat Creek Basin includes 63 designated stream segments and 26 designated lake/reservoirs

**Streams** – One segment in the White River-Hat Creek basin has been assigned the primary contact recreation beneficial use, 15 segments have been assigned the Coldwater A aquatic life use, 36 segments have been assigned the Coldwater B aquatic life use, 1 segment is assigned the Warmwater A aquatic life use and 11 segments have been assigned the Warmwater B aquatic life use. All of the segments have been assigned the agriculture water supply and aesthetics beneficial uses, 6 segments have been assigned the public drinking water supply beneficial use and no segment have been assigned the industrial water supply beneficial use. The waterbody assessment yielded 5 Category 2 waterbodies, 57 Category 3 waterbodies and 1 Category 5 waterbody. The pollutant causing the impairment is *E. coli* (1).

**Lakes/Reservoirs** – All of the lakes/reservoirs in the White River-Hat Creek basin have been assigned the primary contact recreation, agriculture water supply and aesthetics beneficial uses. 14 lakes/reservoir are assigned the Coldwater B aquatic life use with the remainder being assigned the Warmwater A aquatic life use. No lakes/reservoirs have been assigned the public drinking water or industrial water supply uses. The waterbody assessment yielded 6 Category 2 waterbodies, 18 Category 3 waterbodies and 2 Category 5 waterbodies. The pollutants causing the impairment or the parameters identified as impaired are: conductivity (1), nutrients (1) and pH (1).

### Changes (Delistings) from 2002 Section 303(d) List

There are no delistings from the 2002 Section 303(d) list.

Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
<b>Streams</b>										
WH1-10000	White River		S		S			2		
WH1-11300	Chadron Creek		S		S			2		
WH1-20300	Soldier Creek		S		S			2		
WH1-30000	White River		S		S			2		
WH2-10240	Monroe Creek		S		S			2		
WH1-10100	Unnamed Creek							3		
WH1-10200	Unnamed Creek							3		
WH1-10300	Wounded Knee Creek							3		
WH1-10400	White Clay Creek							3		
WH1-10410	Patton Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
WH1-10420	Larabee Creek							3		
WH1-10421	Unnamed Creek							3		
WH1-10422	Unnamed Creek							3		
WH1-10430	Larabee Creek							3		
WH1-10500	White Clay Creek							3		
WH1-10510	Unnamed Creek							3		
WH1-10600	White Clay Creek							3		
WH1-10610	Unnamed Creek							3		
WH1-10700	Limekiln Creek							3		
WH1-10800	Beaver Creek							3		
WH1-10810	Little Beaver Creek							3		
WH1-10900	Beaver Creek							3		
WH1-11000	Alkali Creek							3		
WH1-11100	Bordeaux Creek							3		
WH1-11110	Little Bordeaux Creek							3		
WH1-11120	Big Bordeaux Creek							3		
WH1-11200	Lone Tree Creek							3		
WH1-11400	Dead Horse Creek							3		
WH1-11500	Trunk Butte Creek							3		
WH1-11600	Big Cottonwood Creek							3		
WH1-11700	Indian Creek							3		
WH1-11710	Cunningham Creek							3		
WH1-11800	Ash Creek							3		
WH1-11810	East Ash Creek							3		
WH1-11820	West Ash Creek							3		
WH1-11900	Little Cottonwood Creek							3		
WH1-12000	Little Cottonwood Creek							3		
WH1-20100	White Clay Creek							3		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
WH1-20110	Squaw Creek							3		
WH1-20111	English Creek							3		
WH1-20120	Squaw Creek							3		
WH1-20130	Unnamed Creek							3		
WH1-20200	Bozle Creek							3		
WH1-20310	Middle Fork Soldier Creek							3		
WH1-20400	Soldier Creek							3		
WH1-30100	Dead Man's Creek							3		
WH1-30200	Deep Creek							3		
WH1-30300	Bull Creek							3		
WH1-30400	Kyle Creek							3		
WH1-40000	White River							3		
WH2-10000	Hat Creek							3		
WH2-10100	Squaw Creek							3		
WH2-10110	West Squaw Creek							3		
WH2-10200	Warbonnet Creek							3		
WH2-10210	Sowbelly Creek							3		
WH2-10220	Sowbelly Creek							3		
WH2-10230	Monroe Creek							3		
WH2-20000	Hat Creek							3		
WH2-30000	Hat Creek							3		
WH2-30100	East Hat Creek							3		
WH2-30200	West Hat Creek							3		
WH2-30300	West Hat Creek							3		
WH1-20000	White River	I	S		S			5	<i>E. coli</i>	
<b>Lakes/Reservoirs/Impounded Waters</b>										
WH1-L0010	Isham Lake		S		S		S	2		
WH1-L0030	Chadron City Reservoir North		S		S		S	2		

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Waterbody ID	Waterbody Name <sup>1</sup>	Beneficial Uses						Waterbody Assessment Category	Parameter(s) Impairing use	Comments
		Primary Contact Recreation	Aquatic Life Use	Public Drinking Water Supply	Agriculture Water Supply	Industrial Water Supply	Aesthetics			
WH1-L0080	Rock Bass Dam Lake		S		S		S	2		
WH1-L0180	Boardgate Pond		S		S		S	2		
WH1-L0200	Lake Carter P. Johnson		S		S		S	2		
WH2-L0020	Agate Pond		S		S		S	2		
WH1-L0020	Chadron City Reservoir South							3		
WH1-L0040	Chadron State Park Pond							3		
WH1-L0050	Snus Lake							3		
WH1-L0070	Dodd Dam Lake							3		
WH1-L0090	Lake Crawford							3		
WH1-L0100	Cherry Creek Pond							3		
WH1-L0110	Lower Ice House Pond							3		
WH1-L0120	Ice House Diversion Pond							3		
WH1-L0130	Upper Ice House Pond							3		
WH1-L0140	Grabel Pond No. 1							3		
WH1-L0150	Grabel Pond No. 2							3		
WH1-L0160	Grabel Pond No. 3							3		
WH1-L0170	Grabel Pond No. 5							3		
WH1-L0190	Crazy Horse Lake							3		
WH1-L0210	Beaver Dam Pond							3		
WH1-L0220	Round Top Pond							3		
WH2-L0010	Lundy Pond							3		
WH2-L0040	Gilbert-Baker Pond							3		
WH1-L0060	Whitney Reservoir		I		S		I	5	Nutrients	
WH2-L0030	Meng Lake		I		I		S	5	pH, Conductivity	

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