

NOTICE OF PUBLIC HEARINGS
AND PUBLIC MEETING
STATE OF NEBRASKA
DEPARTMENT OF ENVIRONMENTAL QUALITY (NDEQ)
ENVIRONMENTAL QUALITY COUNCIL

Notice is hereby given pursuant to Neb. Rev. Stats. §81-1505(17), §84-907, and §84-1411, the Nebraska Environmental Quality Council (EQC) will hold a meeting and public hearings on April 3, 2019 beginning at 9:00 A.M. Central Time (CT) at the Cornhusker Hotel, 333 South 13th St., Lincoln, Nebraska. Preceding the hearings will be business items on the agenda. The hearings are scheduled to begin at 9:00 A.M. CT or as soon thereafter as can reasonably be heard. The purpose of the hearings is to take testimony and evidence about the proposed amendment of NDEQ regulations, as outlined in this notice.

The meeting agenda and a draft copy of the proposals scheduled for hearing are available at the NDEQ's Lincoln office, 1200 N St., Suite 400, Lincoln, NE and on the NDEQ website at <http://deq.ne.gov>. The meeting agenda and a draft copy of the proposed regulations scheduled for hearing are also available at the Office of the Secretary of State, Regulations Division, 1201 N St., Suite 120, Lincoln, NE, 68508. The description of the fiscal impact of the proposed regulations on state agencies, political subdivisions, or persons regulated is also available at these locations.

All interested persons may attend and testify orally or by written submission at the public hearing. Any person may provide advance notice of intent to testify by contacting Carla Felix, Hearing Officer, NDEQ, 1200 N St., Suite 400, P.O. Box 98922, Lincoln, NE 68509-8922. Unscheduled testimony will be heard following scheduled testimony. Interested persons may also submit written comments to Carla Felix prior to the hearing, which will be entered into the hearing record if received at the Lincoln office by 5:00 P.M. CT, April 2, 2019.

Please notify the NDEQ at least one week in advance of the EQC meeting if auxiliary aids or reasonable accommodations or alternate formats of materials are needed. Contact phone number is 402-471-2186. TDD users call 800-833-7352 and ask the relay operator to call us at 402-471-2186.

A public hearing will be held on the following:

1. Amendments to Title 129 – Nebraska Air Quality Regulations, Chapter 8. Change to Chapter 8 eliminates language referring to supersession of previously issued operating and construction permit to clarify such permits do not lapse when a subsequent operating permit is issued. The EQC will vote to adopt, amend or not approve the NDEQ proposal after hearing and considering all the testimony and written submissions.
2. Amendments to Title 117 – Nebraska Surface Water Quality Standards. These amendments are proposed as part of the State's triennial review of Water Quality

Standards, required by Section 303 of the Federal Clean Water Act. Changes in Chapter 1 revise and update definitions, and where applicable reference statutory citations. Changes in Chapter 2 revise, clarify, and update language; and propose procedures for application and granting a variance to water quality standards as authorized by new federal regulations established in 40 Code of Federal Regulations § 131.14. Changes to Chapter 4 revise and update water quality standards as described in the chapter. Changes to Chapter 5 update designated use classifications of certain streams in the Nemaha River Basin identified in the chapter; update key species codes for streams identified in the chapter; and remove illustrative basin maps from the chapter which will be made available on the department website. Changes to Chapter 6 clarify that point source discharges from livestock sources are prohibited; add fifteen lakes and reservoirs located in the Big Blue River Basin, the Middle Platte River Basin, the Missouri Tributaries River Basin, the Nemaha River Basin, the Niobrara River Basin, and the North Platte River Basin; and delete one lake that no longer exhibits the characteristics of a lake and is now covered by Chapter 7 wetlands requirements; and make other minor revisions and updates language. Changes to Chapter 7 revise and update key species; update and revise pollutants; and make other minor revisions and update language. Chapter 8 is proposed for deletion because it duplicates statutory language found in Neb. Rev. Stat. § 84-906(1) of the Administrative Procedure Act.

3. Amendments to Title 131 – Rules and Regulations for the Wastewater Treatment Facilities and Drinking Water Construction Assistance Programs. Changes to Chapter 1 add, revise, and update definitions, and where applicable reference statutory citations. Changes to Chapter 2 remove redundant and unnecessary requirements; include provisions on interest rates and administrative fees from Chapter 3; include provisions on emergency assistance from Chapter 3 and 9; include provisions on application denial from Chapter 7; add new provisions related to environmental assessments; include provisions on applications and general loan terms from Chapter 8; and rename chapter. Chapter 3 as it currently exists is deleted because the language on Intended Use Plan (IUP) and its required elements is duplicative of federal requirements or state statute. General requirements applicable to wastewater treatment projects, nonpoint and other projects, and public water system projects, currently found in Chapters 4, 5, and 6, have been included as provisions in renamed Chapter 3; and the existing Chapters 4, 5, and 6 are deleted. Chapter 7 is deleted because provisions relating to application denial are moved to Chapter 2 and remaining provisions are duplicative of federal IUP requirements. Chapter 8 is deleted because its provisions on applications and general loan terms are moved to Chapter 2, are adequately addressed in statute, or will be included in the IUP. Chapter 9 is deleted because emergency assistance has been moved to Chapter 2 and will be implemented through the IUP. Chapter 10 is deleted because it is redundant of state statutes which adequately address requirements and eligibility for the linked deposit program. Chapter 11 is deleted because the requirements will be covered by applicable agreements and contracts with financial institutions.

4. Amendments to Title 115 – Rules of Practice and Procedure. Changes to Chapter 1 delete definitions and incorporate model rules of agency procedure promulgated by the Attorney General. Chapter 2 is deleted and incorporated as a model rule in Chapter 1.

Chapter 3 is deleted because it duplicates statutory public record requirements and is not needed in regulation. Changes to Chapter 4 update language on confidentiality of trade secrets and is renumbered as Chapter 2. Changes to Chapter 5 update language on public hearings and is renumbered as Chapter 3. Chapter 6 is deleted because it duplicates statutory language on voluntary compliance. Chapters 7 through 10 are deleted and incorporated as model rules in Chapter 1. The EQC will vote to adopt, amend or not approve the NDEQ proposal after hearing and considering all the testimony and written submissions.



DRAFT FISCAL IMPACT STATEMENT

Agency: Nebraska Department of Environmental Quality
 Prepared by: John Bender
 Date Prepared: February 19, 2019
 Phone: 402/471-4201
 Title: Water Quality Standards Coordinator
 Chapter: 1, 2, 4, 5, 6, 7, & 8
 Name: Title 117 - Nebraska Surface Water Quality Standards
 State Status: Hearing Draft

Type of Fiscal Impact:

| | State Agency | Political subdivision | Regulated Public |
|-------------------|--------------|-----------------------|------------------|
| No Fiscal Impact | x | x | x |
| Increase Costs | | | |
| Decrease Costs | | | |
| Increased Revenue | | | |
| Decreased Revenue | | | |
| Indeterminable | | | |

Description of Impact:

The proposed criteria revisions could result in minor effluent limit changes to discharge permit holder; however, any change in permit limits should not have a significant financial impact. The designation of the Public Drinking Water Use for streams near Auburn should help that community in efforts to protect its drinking water source.

The proposed new variance provisions are designed to provide regulatory relief, targeting small domestic wastewater facilities that use controlled discharge lagoons to treat their

wastewater. These facilities may not be able to meet water quality-based discharge limits for ammonia. A variance would modify the water quality standard for ammonia for a qualifying facility and provide a cost savings from the need for future wastewater infrastructure.

State Agency:

There is little or no fiscal effect on other State Agencies. Therefore, we anticipate no change in costs or revenues. The greatest impact of these revisions will be internally to the Nebraska Department of Environmental Quality, but this impact will not be of a fiscal nature.

Political Subdivision:

There is little or no fiscal effect political subdivisions. The City of Auburn will be helped in its efforts to protect its drinking water supply; however, there should not be a fiscal impact because of this proposal. Savings from unknown future costs for wastewater infrastructure improvements may occur from the proposed variance provisions. Therefore, we anticipate no change in costs or revenues to this sector from the current condition.

Regulated Public:

There is little or no fiscal effect on regulated entities. Savings from unknown future costs for wastewater infrastructure improvements may occur from the proposed variance provisions. Therefore, we anticipate no change in costs or revenues to this sector from the current condition.

NEBRASKA ADMINISTRATIVE CODE

Title 117 - NEBRASKA DEPARTMENT OF ENVIRONMENTAL QUALITY

Chapter 1 - DEFINITION OF TERMS

001 The following terms are defined in Neb. Rev. Stat. §81-1502: Department, Garbage, Junk, Point Source, Refuse, Rubbish, and Water Pollution.

001-002 “Acute Criteria” ~~shall mean~~ means the threshold concentration of a substance that aquatic organisms can be exposed to for a period of 96 hours or less with no resulting acute toxicity.

002-003 “Acute Mixing Zone” ~~shall mean~~ means the limited area or volume of a waterbody, as designated by the Department, which adjoins a point source discharge, where acute criteria may be exceeded while wastewaters which have received the applicable level of treatment or control are allowed to assimilate, disperse, dissipate, or undergo chemical transformation.

003-004 “Acute Toxicity” ~~shall mean~~ means the response of an aquatic organism to a concentration of a substance which results in injury or mortality within a period of 96 hours or less.

004-005 “Acute Toxic Units (TU_a)” ~~shall mean~~ means the reciprocal of the effluent dilution that causes an acute effect (e.g., LC₅₀) to the test organism by the end of the acute exposure period.

005-006 “Applicable Level of Treatment or Control” ~~shall mean~~ means that treatment or control which is required by Title 119 - Rules and Regulations Pertaining to the Issuance of Permits under the National Pollutant Discharge Elimination System; Title 120 - Procedures Pursuant to Section 401 of the Federal Clean Water Act, 33 U.S.C. § 1251 Et Seq., for Certification by the Department of Activities Requiring a Federal License or Permit which may Result in a Discharge; or which is otherwise specified by the Department considering best available technology and management practices.

006-007 “Beneficial Use” ~~shall mean~~ means any productive use of surface waters for which water quality is protected. Beneficial uses include but are not limited to agricultural, industrial, and public water supplies; support and propagation of fish, and other aquatic life; recreation in and on the water; and aesthetics. Waste assimilation, disposal, or transport are not beneficial uses.

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007-008 “Bioassay” ~~shall mean~~means a test used to evaluate the relative toxicity of a substance by comparing its effect on a living organism to the effect of a standard preparation (control) on the same type of organism.

008-009 “Canal” ~~shall mean~~means an artificial waterway constructed for the purpose of developing water power, or any other useful purpose, and from which water can be taken for irrigation.

009-010 “Chronic Criteria” ~~shall mean~~means the threshold concentration of a substance that aquatic organisms can be exposed to for a period exceeding 96 hours with no resulting chronic toxicity.

010-011 “Chronic Mixing Zone” ~~shall mean~~means the limited area or volume of a waterbody, as designated by the Department, which adjoins a point source discharge, where chronic criteria may be exceeded while wastewaters which have received the applicable level of treatment or control are allowed to assimilate, disperse, dissipate, or undergo chemical transformation.

011-012 “Chronic Toxicity” ~~shall mean~~means the response of an aquatic organism to a concentration of a substance which results in adverse effects such as injury, mortality, reduced growth, or impaired reproduction after period of exposure exceeding 96 hours.

012-013 “Chronic Toxic Units (TU_c)” ~~shall mean~~means the reciprocal of the effluent dilution that causes no chronic toxicity to the test organisms by the end of the chronic exposure period.

013-014 “Clean Water Act” ~~shall mean Public Law 92-500, as amended by Public Law 95-217 and Public Law 100-4,~~is the federal law codified at 33 U.S.C. §1251 et seq.

014-015 “Colloidal Substances” ~~shall mean~~means clay or other substances which do not settle out of suspension in water without the use of a flocculent.

015-016 “Conductivity” ~~shall mean~~means a measure of the ability of water to conduct an electrical current which is expressed in micromhos per centimeter. Conductivity is related to the number and types of chemical ions or dissolved solids in solution.

016-017 “Cubic Foot per Second (cfs)” ~~shall mean~~means the unit of measurement used in reporting stream discharge, sometimes referred to as second-foot (sec-ft). It is a volume of one cubic foot passing a given point during one second of time and is equivalent to 7.48 gallons per second or 448.8 gallons per minute.

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~~017-018~~ “Daily Mean” ~~shall mean~~means an average of at least two appropriately spaced measurements, as determined by the Department, calculated over a period of one day. In calculating the daily mean for dissolved oxygen, values used in the calculations shall not exceed the dissolved oxygen air saturation value. If a measured value exceeds the dissolved oxygen air saturation value, then the dissolved oxygen air saturation value shall be used in calculating the daily mean.

~~018~~ “Department” ~~shall mean~~the Nebraska Department of Environmental Quality.

~~019~~ “Dissolved Oxygen (DO)” ~~shall mean~~means a measure of the amount of free oxygen in the water.

~~020~~ “Dissolved Oxygen Air Saturation Value” ~~shall mean~~means the concentration of dissolved oxygen which represents 100 percent saturation at any given point in a water body based on the water temperature and atmospheric pressure.

~~021~~ “EPA” ~~shall mean~~means the United States Environmental Protection Agency.

~~022~~ “Early-Life Stages” ~~shall mean~~means all embryonic and larval stages and all juvenile forms of aquatic life to 30 days following hatching.

~~023~~ “Effluent” ~~shall mean~~means wastewater, excluding sludge, discharging from a wastewater treatment works.

~~024~~ “Endangered Species” ~~shall mean, for the purpose of this Title, any aquatic species are identified by the Nebraska Game and Parks Commission whose continued existence as a viable component of the wild fauna of the State is determined to be in jeopardy or which meets the criteria of the Federal Endangered Species Act~~in NAC Title 163, Chapter 4.

~~025~~ “Epilimnion” ~~shall mean~~means the warm, freely circulating upper layer of thermally stratified lakes.

~~026~~ “Existing Uses” ~~shall mean~~means those beneficial uses actually attained or attainable in a water body on or after November 28, 1975, whether or not they are included in these standards.

~~027~~ “Fecal Coliform” ~~shall mean~~means the portion of the coliform bacteria group which is present in the gut or feces of warm-blooded animals and generally includes organisms which are capable of producing gas from lactose broth in a suitable culture medium within 24 hours at 44.5 ± 0.5°C.

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Chapter 1

028 “Four-Day Average” ~~shall mean~~means an average of the daily mean values calculated over a period of four consecutive days.

~~029 “Garbage” shall mean rejected food wastes, including waste accumulation of animal, fruit, or vegetable matter used or intended for food or that attend the preparation, use, cooking, dealing in, or storing of meat, fish, fowl, fruit, or vegetables, and dead animals rejected by rendering plants.~~

~~030~~029 “Hardness” ~~shall mean~~means a characteristic of water which represents the total concentration of polyvalent cations (e.g., calcium, magnesium) expressed as calcium carbonate in mg/l. Hardness may be calculate for most waters by adding together the values obtained from multiplying the concentrations of calcium by 2.497 and magnesium by 4.116 to obtain the equivalent calcium carbonate concentration.

~~031~~030 “High-Rate Diffusers” ~~shall mean~~means devices attached to, or part of, a discharge outfall structure which provide discharge velocities that promote turbulent initial mixing of wastewaters with the receiving water.

~~032 “Human-Induced Conditions” shall mean conditions that have been influenced by human activities.~~

~~033~~031 “Hypolimnion” ~~shall mean~~means the cold, relatively undisturbed lowermost layer of thermally stratified lakes.

~~034 “Impounded Waters” shall mean manmade or naturally occurring collections or confinements of water.~~

~~035 “Junk” shall mean old scrap, copper, brass, iron, steel, rope, rags, batteries, paper, trash, rubber debris, waste, dismantled or wrecked automobiles, or parts thereof, and other old or scrap ferrous or nonferrous material.~~

~~036~~032 “Key Species” ~~shall mean~~means identified endangered, threatened, sensitive, or recreationally-important aquatic species associated with a particular water body and its aquatic life use class.

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~~037-033~~ “Lake or Impounded Water” ~~shall mean~~means any waterbody with all of the following characteristics: (1) situated in a topographic depression or a dammed stream channel; (2) 30 percent or less areal coverage of trees, shrubs, persistent emergent aquatic plants, or emergent mosses; and (3) total area exceeds 20 acres. Similar waterbodies totaling less than 20 acres are also included if an active waveformed or bedrock shoreline feature makes up all or part of the boundary, or if the water depth in the deepest part of the basin exceeds 6.6 feet. Impounded waters in this definition may be manmade or naturally occurring collections or confinements of water. ~~They~~ do not include areas designated by the Department as wastewater treatment or wastewater retention facilities or irrigation reuse pits.

~~038-034~~ “LC₅₀” ~~shall mean~~means the statistical estimate of the concentration of a substance which kills 50 percent of the bioassay test organisms under test conditions specified or approved by the Department.

~~039-035~~ “Metalimnion” ~~shall mean~~means the layer of a thermally stratified lake which exhibits a steep temperature gradient and separates the epilimnion above from the hypolimnion below.

~~040-036~~ “Milligrams per Liter (mg/L)” ~~shall mean~~means the milligrams of substance per liter of solution, equivalent to parts per million assuming unit density of the solution.

~~041-037~~ “Mixing Zone” ~~shall mean~~means the limited area or volume of a water body, as designated by the Department, which adjoins a point source discharge, and into which wastewaters which have received the applicable level of treatment or control are allowed to assimilate, disperse, dissipate, or undergo chemical transformation.

~~042-038~~ “Natural Background” ~~shall mean~~means quantifiable measurements of water quality existing in the absence of water pollution.

~~043~~ “No Observed Effect Level (NOEL)” ~~shall mean the threshold concentration of a substance which causes no observed adverse effects to bioassay test organisms under test conditions specified or approved by the Department.~~

~~044-039~~ “Noncontact Cooling Water” ~~shall mean~~means water used to reduce temperature which does not come into direct contact with any raw material, intermediate product, waste product (other than heat), or finished product.

~~045-040~~ “Nonpoint Source” ~~shall mean~~means any source of pollutants other than those defined as point sources.

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~~046-041~~ “Nuisance Aquatic Life” ~~shall mean means~~ species of aquatic flora or fauna whose noxious characteristics or presence in sufficient numbers, biomass, or areal extent may reasonably be expected to prevent or interfere with a beneficial use.

~~047-042~~ “One-Day Minimum” ~~shall mean means~~ the lowest daily instantaneous value measured.

~~048-043~~ “One-Day Ten-Year (1Q10) Low Flow” ~~shall mean means~~ the discharge at the ten-year recurrence interval determined from a frequency distribution of annual values of the lowest discharge for one day.

~~049-044~~ “One-Hour Average” ~~shall mean means~~ an average of at least two appropriately spaced measurements, as determined by the Department, calculated over a period of one hour.

~~050-045~~ “Petroleum Oils” ~~shall mean means~~ all oils other than oils of vegetable and animal origin.

~~051-046~~ “pH” ~~shall mean means~~ the negative logarithm of the hydrogen ion concentration ($\text{pH} = -\log [\text{H}^+]$). pH expresses both the acidity and alkalinity of water on a scale from 0 to 14, with 7 representing neutrality (numbers less than 7 denote increasing acidity, and numbers greater than 7 denote increasing alkalinity).

~~052~~ “Point Source” ~~shall mean any discernible confined and discrete conveyance, including but not limited to any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, or vessel or other floating craft, from which pollutants are or may be discharged.~~

~~053-047~~ “Pollutant” ~~shall mean means~~ any gas, liquid, or solid introduced into a body of water that causes water pollution. Pollutants under this definition include, but are not limited to, dredged spoil, solid waste, incinerator residue, sewage, garbage, sewage sludge, munitions, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand, cellar dirt, and industrial, municipal, and agricultural waste discharged into water.

~~054-048~~ “Recreationally-Important Species” ~~shall mean means~~ any game fish species identified by the Department, or any hybrid thereof, which is important to sport fishermen and readily affected by water quality degradation.

~~055~~ “Refuse” ~~shall mean putrescible and nonputrescible solid wastes, except body wastes, and includes garbage, rubbish, ashes, incinerator ash, incinerator residue, street cleanings and solid market and industrial wastes.~~

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Chapter 1

~~056-049~~ “Resident Species” ~~shall mean~~means those species that typically occur in a water body including those that occur only seasonally or intermittently. Species that were once present but can no longer return due to physical habitat alterations are not included.

~~057~~ “Rubbish” ~~shall mean nonputrescible solid wastes, excluding ashes, consisting of both combustible and noncombustible wastes, such as paper, cardboard, tin cans, yard clippings, wood, glass, bedding, crockery, or litter of any kind that will be a detriment to the public health and safety.~~

~~058-050~~ “Salmonid” ~~shall mean~~means any fish belonging to the family Salmonidae. Trout are members of this family.

~~059-051~~ “Sensitive Species” ~~shall mean~~means any aquatic species identified by the Department which has a limited distribution in the State and is indigenous to stable, high quality aquatic environments.

~~060-052~~ “Settleable Solids” ~~shall mean~~means substances such as silt, organic detritus, plankton, or sand, which settle to the bottom of a water body or water column.

~~061-053~~ “Seven-Day Mean” ~~shall mean~~means an average of the daily mean values calculated over a period of seven consecutive days.

~~062-054~~ “Seven-Day Mean Minimum” ~~shall mean~~means an average of the one-day minimum values calculated over a period of seven consecutive days.

~~063-055~~ “Seven-Day Ten-Year (7Q10) High Flow” ~~shall mean~~means the discharge at the ten-year recurrence interval determined from a frequency distribution of annual values of the highest average discharge for seven consecutive days.

~~064-056~~ “Seven-Day Ten-Year (7Q10) Low Flow” ~~shall mean~~means the discharge at the ten-year recurrence interval determined from a frequency distribution of annual values of the lowest average discharge for seven consecutive days.

~~065-057~~ “Standards” ~~shall mean~~means rules or regulations which are comprised of the water quality criteria that are necessary to protect the beneficial uses of surface waters.

~~066-058~~ “Substrate” ~~shall mean~~means any naturally occurring or artificial solid surface which is emersed or submerged in water.

Title 117

Chapter 1

~~067-059~~ “Surface Waters” ~~shall mean means~~ all waters within the jurisdiction of this State, including all streams, lakes, ponds, impounding reservoirs, marshes, wetlands, watercourses, waterways, springs, canal systems, drainage systems, and all other bodies or accumulations of water, natural or artificial, public or private, situated wholly or partly within or bordering upon the State. Impounded waters in this definition do not include areas designated by the Department as wastewater treatment or wastewater retention facilities or irrigation reuse pits.

~~068-060~~ “Suspended Solids” ~~shall mean means~~ substances such as clay, silt, organic detritus, plankton, or sand, which are held in suspension by water currents or which exist in suspension as colloids.

~~069-061~~ “Synergistic Effects” ~~shall mean means~~ the cooperative action of discrete substances such that the cumulative effects are greater than the sum of the effects taken independently.

~~070-062~~ “Thermal Stratification” ~~shall mean means~~ a characteristic of certain lakes in which distinct layers of water that differ in density exist because of temperature differences. These layers are resistant to mixing with each other.

~~071-063~~ “Thirty-Day Five-Year (30Q5) High Flow” ~~shall mean means~~ the discharge at the five year recurrence interval determined from a frequency distribution of annual values of the highest average discharge for thirty consecutive days.

~~072-064~~ “Thirty-Day Five-Year (30Q5) Low Flow” ~~shall mean means~~ the discharge at the five-year recurrence interval determined from a frequency distribution of annual values of the lowest average discharge for thirty consecutive days.

~~073-065~~ “Thirty-Day Mean” or “Thirty-Day Average” ~~shall mean means~~ an average of the daily mean values calculated over a period of thirty consecutive days.

~~074-066~~ “Threatened Species” ~~shall mean any aquatic species are~~ identified by the Nebraska Game and Parks Commission ~~whose continued existence as a viable component of the wild fauna of the State appears likely to become endangered or which meets the criteria of for threatened species in the Federal Endangered Species Act~~ in NAC Title 163, Chapter 4.

Title 117

Chapter 1

~~075-067~~ “Toxic Substances” ~~shall mean~~means those pollutants or combination of pollutants, radioactive substances, or disease causing agents, which after discharge and upon exposure, ingestion, inhalation or assimilation into organisms, either directly from the environment or indirectly by ingestion through food chains, will on the basis of information available to the Department cause either death, disease, behavioral abnormalities, cancer, genetic mutations, physiological malfunctions (including malfunction in reproduction) or physical deformations, on such organisms or their offspring.

~~076-068~~ “Toxic Units (TU)” ~~shall mean~~means the reciprocal of the effluent dilution that produces the bioassay endpoint.

~~077-069~~ “Twenty-four Hour Average” ~~shall mean~~means an average of at least two appropriately spaced measurements, as determined by the Department, calculated over a period of 24 consecutive hours.

~~078-070~~ “Wastewater” ~~shall mean~~means water containing sewage, and/or industrial wastes, including, but not limited to, discharges from sand and gravel operations, cooling water, storm water, street and road runoff, return flow from irrigation, feedlot runoff, or wastes resulting from land erosion and other discharges, treated or untreated, which enter directly or indirectly into the waters of the State or to any storm sewer, and including the runoff from land used for the disposition of wastes.

~~079~~ “~~Water Pollution~~” ~~shall mean the manmade or man-induced alteration of the chemical, physical, biological, and radiological integrity of water.~~

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Chapter 1

~~080-071~~ “Water Quality” ~~shall mean~~means the biological, chemical, physical, and radiological integrity of a body of water.

~~080071.01~~ “Biological Integrity” ~~shall mean~~means the plant, animal, and bacteriological species composition of a body of water.

~~080071.02~~ “Chemical Integrity” ~~shall mean~~means the chemical properties of the water, sediments, or biological organisms (e.g., concentrations in fish tissue) of a body of water.

~~080071.03~~ “Physical Integrity” ~~shall mean~~means the physical properties (e.g., temperature, turbidity, sedimentation) of a body of water.

~~080071.04~~ “Radiological Integrity” ~~shall mean~~means the radioactive properties of the water, sediments, or biological organisms (e.g., concentrations in fish tissue) of a body of water.

~~081-072~~ “Water Quality Criteria” ~~shall mean~~means the elements of standards which are expressed as concentrations, levels, or narrative statements and represent the quality of water that is necessary to protect a beneficial use.

~~082-073~~ “Wetland” ~~shall mean~~means those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas.

~~083-074~~ “Zone of Passage” ~~shall mean~~means the area or volume of a water body outside of any mixing zone or zones which provides a continuous water route for the free passage of swimming and drifting aquatic organisms such that there are no adverse effects to their populations.

Enabling Legislation: Neb. Rev. Stat. ~~ff-§§~~ 81-1502 and 81-1505(1)(2)

Legal Citation: Title 117, Ch. 1, Nebraska Department of Environmental Quality

NEBRASKA ADMINISTRATIVE CODE

Title 117 - NEBRASKA DEPARTMENT OF ENVIRONMENTAL QUALITY

Chapter 2 - APPLICATION OF STANDARDS

001 These standards ~~shall~~ apply at all times to all surface waters of the State except where noted below. Impounded waters designated by the Department as wastewater treatment facilities, wastewater retention facilities, or irrigation reuse pits are by definition (Chapter 1) not surface waters, thus standards do not apply to these waters.

002 The water quality criteria which may be necessary to protect downstream beneficial uses ~~shall beare~~ applicable to all surface waters, whether or not those beneficial uses are assigned to a given water body in these Standards.

003 The application of standards for streams ~~shall is~~ be in accordance with Chapters 3, 4, and 5.

004 The application of standards for lakes and impounded waters ~~shall beis~~ in accordance with Chapters 3, 4, and 6. Lakes and impounded waters not identified in Chapter 6 ~~shall beare~~ protected for the assigned beneficial uses of the stream segments (Chapter 5) on which they are located. Water quality criteria associated with such beneficial uses ~~shall beare~~ applicable to these lakes and impounded waters. Lakes not identified in Chapter 6 that are not located on stream segments ~~shall are to~~ be protected in accordance with 009 of this chapter.

004.01 In lakes and impoundments, or portions thereof, which exhibit natural thermal stratification, all applicable narrative and numerical criteria, with the exception of the numerical criteria for temperature, apply only to the epilimnion. Numerical temperature criteria apply at all depths (epilimnion, metalimnion, and hypolimnion) of lakes and impoundments exhibiting natural thermal stratification. In lakes and impoundments, or portions thereof, not exhibiting natural thermal stratification, the applicable narrative and numerical criteria apply at all depths.

005 The application of standards for wetlands ~~shall beis~~ in accordance with Chapters 3 and 7.

006 These standards may be applied through Title 119 - Rules and Regulations Pertaining to the Issuance of Permits Under the National Pollutant Discharge Elimination System and Title 120 - Procedures Pursuant to Section 401 of the Federal Clean Water Act, 33 u.s.c. § 1251 et seq., for Certification by the Department of Activities Requiring a Federal License or Permit which May Result in a Discharge.

Title 117

Chapter 2

007 Narrative and numerical water quality criteria associated with aesthetics (Chapter 4, 005) and general criteria and acute toxicity criteria for protection of aquatic life (Chapter 4, 003) ~~shall~~ apply to all surface waters except as stated below in paragraphs 008, 010, 011, 012, and 013.

008 These standards, except water quality criteria associated with aesthetics (Chapter 4, 005), will not apply to effluents and non-contact cooling water discharges, although these standards are used in deriving effluent limitations pursuant to Title 119 - Rules and Regulations Pertaining to the Issuance of Permits Under the National Pollutant Discharge Elimination System.

009 These standards, except narrative and numerical water quality criteria associated with aesthetics (Chapter 4, 005) and general criteria and acute toxicity criteria for protection of aquatic life (Chapter 4, 003), will not apply to:

009.01 Streams assigned a Coldwater Class A, Coldwater Class B, or Warmwater Class A Aquatic Life use during periods when the flow is less than 0.1 cfs or the 7-day 10-year low flow, unless an assigned beneficial use still exists under these conditions. Thirty-day average ammonia criteria will not apply to these streams during periods when the flow is less than 0.1 cfs or the 30-day 5-year low flow unless an assigned beneficial use still exists under these conditions.

009.02 Streams assigned the Warmwater Class B Aquatic Life use during periods when the flow is less than 1.0 cfs, unless an assigned beneficial use still exists under this condition.

009.03 Undesignated surface waters except as necessary to protect assigned downstream beneficial uses. Acute criteria which are applicable to these surface waters ~~shall~~ include those applicable for the Warmwater Class B Aquatic Life use.

009.04 Streams during periods when the instantaneous flow is totally composed of effluent or non-contact cooling water discharges, excluding minor amounts of bank seepage, unless an assigned beneficial use still exists under these conditions.

010 These standards, except water quality criteria associated with aesthetics (Chapter 4, 005) and recreation (Chapter 4, 002) will not apply within mixing zones unless specified below.

Mixing zones for the initial assimilation of effluents or wastewaters may be necessary where discharges that have received the applicable level of treatment or control still do not adequately protect the water quality of a receiving stream. Mixing zones ~~shall~~ are to be limited to as small

an area and volume of a receiving stream as is practical to prevent interference with or impairment of any beneficial uses. The requirements of mixing zones for heat ~~shall~~are to be defined on a site-specific basis, in a manner consistent with Section 316 of the Clean Water Act.

010.01 The Department ~~shall~~determines the applicability of a mixing zone, and if applicable, the allowable size, location, water quality, and outfall design. The following requirements ~~shall~~will be used in defining all mixing zones. These requirements are not intended to define each individual mixing zone, but represent maximum limits which will satisfy most biological, chemical, physical, and radiological considerations. A smaller mixing zone may be required or no zone at all allowed, as necessary, in order to meet these requirements.

010.02 The appropriateness, if any, of establishing a mixing zone for a pollutant which may be bioaccumulative, persistent, carcinogenic, mutagenic, or teratogenic ~~shall~~will be carefully evaluated by the Department. In such cases, effects such as potential ground water contamination, known or predicted safe exposure levels for human health, bioaccumulation in aquatic life, fish attraction, sediment deposition, and protection of downstream beneficial uses ~~shall~~will be considered.

010.03 Mixing zones established for dissolved oxygen ~~shall~~are to take into account the delayed effects caused by oxidation of organic matter and ammonia inside and outside the mixing zone. One-day minimum dissolved oxygen criteria ~~shall~~ apply at the boundary of and beyond acute mixing zones, but not within acute mixing zones. All applicable dissolved oxygen criteria, including the one-day minimum criteria, ~~shall~~are to be met at and beyond the mixing zone boundaries.

010.04 Mixing zones established for discharges impacting agricultural water supply criteria ~~shall~~are to be based on the restrictions established for chronic mixing zones (010.06).

010.05 All mixing zone specifications ~~shall~~are to be based on critical conditions of minimum dilution. Flow variable calculations that use real-time flows for a point source discharge and receiving stream may be allowed to determine critical conditions of minimum dilution. If flow variable critical conditions are not defined, critical conditions ~~shall~~are to be determined as follows. The average dry weather or seasonal flow for a point source discharge ~~shall~~will be used with the 7-day 10-year low flow of the receiving stream for application of all criteria with the exception of thirty-day average ammonia criteria and acute criteria for aquatic life. The 30-day 5-year low flow of the receiving stream ~~shall~~will be used for application of thirty-day average ammonia criteria. The

1-day 10-year low flow of the receiving stream ~~shall~~will be used for application of acute criteria.

010.06 Chronic Mixing Zones.

Chronic toxicity to aquatic life ~~shall~~will not be allowed at any time outside of a chronic mixing zone.

010.06A The length of a chronic mixing zone ~~shall~~is not to exceed the following distances based on designated aquatic life use classes.

010.06A1 Chronic mixing zones in Coldwater Class A, Coldwater Class B, and Warmwater Class B streams ~~shall~~are to be designed to not exceed 2,500 feet in length.

010.06A2 Chronic mixing zones in Warmwater Class A streams ~~shall~~are to be designed to not exceed 5,000 feet in length.

010.06B Chronic mixing zones ~~shall~~are to be located in a receiving stream in such a manner that the maintenance of aquatic life and other beneficial uses will not be adversely affected.

010.06B1 A chronic mixing zone ~~shall~~is not to overlap with any other mixing zone unless it is demonstrated to the satisfaction of the Department (e.g. aquatic field studies, bioassays in the site water using resident or acceptable nonresident aquatic species) that the overlapping of the mixing zones will not result in any adverse effects to aquatic life or other beneficial uses.

010.06B2 Chronic mixing zones ~~shall~~are not to at any time:

010.06B2a Extend across public drinking water supply intakes.

010.06B2b Extend across heavily-used or state designated recreation bathing areas.

010.06B2c Extend into publicly owned lakes and reservoirs listed in Chapter 6.

010.06B2d Significantly impact federally and/or state designated threatened or endangered aquatic species.

010.06C Water quality of chronic mixing zones.

The Department may suspend the applicability of all or part of the water quality criteria within a chronic mixing zone, except those criteria relating to aesthetics (Chapter 4, 005) and acute toxicity to aquatic life (Chapter 4, 003.01C). In streams designated a recreational use, criteria relating to recreation (Chapter 4, 002) ~~shall~~ also apply within a chronic mixing zone. Waters at and beyond chronic mixing zone boundaries ~~shall are to~~ meet all chronic water quality criteria associated with the receiving stream any time the receiving streamflow is equal to or greater than 0.1 cfs for streams assigned a Coldwater Class A, Coldwater Class B, or Warmwater Class A Aquatic Life use; 1.0 cfs for streams assigned the Warmwater Class B Aquatic Life use; or its 7-day 10-year low flow (30-day 5 year low flow in the case of thirty-day average ammonia criteria), whichever is greater. To prevent chronic toxicity in a stream, the following conditions ~~shall are~~ to be met.

010.06C1 The pollutant levels or concentrations of wastewaters which contain unknown or complex mixtures of potentially additive or synergistic toxic pollutants ~~shall are~~ not to exceed 1.0 chronic toxic units (TU_c) based on chronic bioassays representing the effluent dilution received at the chronic mixing zone boundary.

010.06C2 Where more than one wastewater discharge is located in a specific area and the potential exists for additive or synergistic effects, the pollutant levels or concentrations in water from a receiving stream outside any mixing zone ~~shall are~~ not to exceed 1.0 TU_c based on chronic bioassays.

010.06C3 Where a mixing zone is not allowed by the Department, the pollutant levels or concentrations of the wastewater in the outfall structure itself ~~shall are~~ not to exceed the No Observed Effect Level (NOEL) based on chronic bioassays of the undiluted effluent. NOEL is the threshold concentration of a substance which causes no observed adverse effects to bioassay test organisms under test conditions specified or approved by the Department.

010.07 Acute Mixing Zones.

Acute toxicity to aquatic life ~~shall~~will not be allowed at any time outside of an acute mixing zone.

010.07A Acute mixing zones ~~shall~~are to allow at all times for a continuous zone of passage in the receiving stream for the movement or drift of aquatic biota. To provide for a zone of passage, the width of an acute mixing zone at any transect of the receiving stream ~~shall~~is not to exceed more than 1/2 of the stream width. Where more than one wastewater discharge is located in a specific area, acute mixing zones ~~shall~~are to be located in such a manner as to provide for a continuous zone of passage of at least 1/2 the stream width.

010.07B The length of an acute mixing zone ~~shall~~is not to exceed the following distances based on designated aquatic life use classes.

010.07B1 Acute mixing zones in Coldwater Class A, Coldwater Class B, and Warmwater Class B streams ~~shall~~are to be designed to not exceed 125 feet in length or 5 percent of the length of the chronic mixing zone whichever is more restrictive.

010.07B2 Acute mixing zones in Warmwater Class A streams ~~shall~~are to be designed to not exceed 250 feet in length or 5 percent of the length of the chronic mixing zone whichever is more restrictive.

010.07C Acute mixing zones ~~shall~~are to be located in a receiving stream in such a manner that the maintenance of aquatic life and other beneficial uses will not be adversely affected. Acute mixing zones ~~shall~~are not to at any time:

010.07C1 Extend across public drinking water supply intakes.

010.07C2 Extend across heavily-used or state designated recreation bathing areas.

010.07C3 Extend into publicly owned lakes and reservoirs listed in Chapter 6.

010.07C4 Significantly impact federally and/or state designated threatened or endangered aquatic species.

010.07C5 Extend across the mouth of a classified tributary stream segment.

010.07D Water quality of acute mixing zones.

The Department may suspend the applicability of all or part of the water quality criteria within an acute mixing zone, except those criteria relating to aesthetics (Chapter 4, 005). In streams designated a recreational use, criteria relating to recreation (Chapter 4, 002) ~~shall~~ also apply within the acute mixing zone. Waters at and beyond acute mixing zone boundaries ~~shall~~ are to meet all acute water quality criteria associated with the receiving stream any time the receiving streamflow is equal to or greater than 0.1 cfs or its 1-day 10-year low flow.

010.07D1 The pollutant levels or concentrations of wastewaters which contain unknown or complex mixtures of potentially additive or synergistic toxic pollutants ~~shall~~ are not to exceed 0.3 acute toxic units (TU_a) based on acute bioassays representing the effluent dilution received at the acute mixing zone boundary.

010.07D2 Where more than one wastewater discharge is located in a specific area and the potential exists for additive or synergistic effects, the pollutant levels or concentrations in water from a receiving stream outside any acute mixing zone ~~shall~~ are not to exceed 0.3 TU_a based on acute bioassays.

010.07D3 Where a mixing zone is not allowed by the Department, the pollutant levels or concentration of the wastewater in the outfall structure itself ~~shall~~ are not to exceed 0.3 TU_a based on acute bioassays of the undiluted effluent.

010.08 Mixing Zones for Public Drinking Water Supply Criteria.

In waters designated as Water Supplies for Public Drinking Water, the criteria for protection of public drinking water supplies ~~shall~~ are not to be exceeded at any time outside of a mixing zone for public drinking water supply criteria.

010.08A Mixing zones for public drinking water supply criteria ~~shall~~ are to be designed to not extend to within a 2 mile zone of influence from any public drinking water supply intake.

010.08B Mixing zones for public drinking water supply criteria ~~shall~~ are to be located in a receiving stream in such a manner that other beneficial uses will not be adversely affected.

010.08C Water quality of mixing zones for public drinking water supply criteria.

The Department may suspend the applicability of all or part of the water quality criteria for the protection of public drinking water supplies within a mixing zone for public drinking water supply criteria. Waters at and beyond boundaries of mixing zones for public drinking water supply criteria ~~shall~~ are to meet all public drinking water supply criteria any time the receiving stream is flowing equal to or greater than its 7-day 10-year low flow.

010.09 Outfall Design.

Prior to designating a mixing zone, the Department ~~shall~~ will first approve pursuant to Title 123 - Rules and Regulations for Design, Operation, and Maintenance of Wastewater Treatment Works that the best practical engineering design for the outfall structure and its location and placement in the receiving stream have been applied, as necessary, to meet all mixing zone requirements for size, location, and water quality.

010.09A The following are acceptable circumstances for modifying the existing design, location, or placement of an outfall structure in a stream:

010.09A1 Where high-rate diffusers or similar devices are required to: (1) minimize or prevent exposure of aquatic biota to acutely toxic conditions within an acute mixing zone, (2) minimize or prevent exposure of aquatic biota to possible irreversible chronic effects within a mixing zone where wastewaters tend to attract aquatic organisms, or (3) otherwise expedite mixing and dispersion of wastewaters in order to meet mixing zone requirements for size, location, and water quality.

010.09A2 Where changes are required in the location of an outfall structure (e.g., upstream, downstream, or to the opposite stream bank) or its placement (e.g., water depth, direction in relation to the stream current)

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in order to meet mixing zone requirements for size, location, and water quality.

010.09B Water turbulence created by high-rate diffusers or similar devices ~~shall~~ is not to be of such a magnitude that the movement or drift of aquatic biota within a zone of passage is interfered with or prevented.

011 Water quality criteria in Chapters 4 and 7 related to aquatic herbicides or algicides and their effects ~~shall will~~ not apply to waters within canals, except those canals designated as segments in Chapter 5, during periods when these chemicals are applied by an irrigation district for the control of aquatic plants.

011.01 All standards ~~shall~~ apply at all times to waters within canals designated as segments in Chapter 5.

011.02 Discharges from canal to other surface waters of the State ~~shall are not to~~, at any time, contain herbicides or algicides in amounts which are toxic to aquatic life.

012 Water quality criteria in Chapters 4 and 7 related to aquatic biocides (e.g., ichthyocides, algicides, herbicides) and their effects ~~shall will~~ not apply to surface waters during periods when aquatic biocides are applied by an entity responsible for the management of a surface water body under the following conditions:

012.01 Aquatic biocides ~~shall are to~~ be applied only for the purposes of attaining, maintaining, or enhancing beneficial uses identified in Chapters 4, 5, 6 and 7.

012.02 Application of aquatic biocides ~~shall are not to~~ cause adverse impacts to any assigned beneficial uses of surface waters beyond the targeted surface water body.

012.03 Application of aquatic biocides ~~must are to~~ be in accordance with the label restrictions and all applicable federal, state, and local laws or regulations.

012.04 Entities responsible for the management of surface water bodies may include the Nebraska Game and Parks Commission, Natural Resources Districts, U.S. Fish and Wildlife Service, U.S. Forest Service, National Parks Service, U.S. Army Corps of Engineers, city governments, or any other entity responsible for managing the surface water body's assigned beneficial uses.

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013 These standards will not apply to:

013.01 Waters below existing hydroelectric plants during periods of approved sluicing activities, provided the hydroelectric plant was operational prior to May 10, 1982. The Department will determine when sluicing activities will be allowed.

013.01A Sluicing activities will be conducted in such a manner as to minimize any harmful effects on assigned beneficial uses.

013.01B Sluicing ~~shall is~~ not to occur immediately before or during critical reproductive periods of identified key species.

013.01C In the event that the sluicing activity has been determined to have a deleterious impact on the aquatic biota of the State waters, the operator ~~shall is to~~ pay to the Game and Parks Commission annually the lesser of A., \$5000.00, or B., 20% of the annual damages, which is the fair market mitigation to the fisheries resulting from the sluicing activity.

013.02 Waters within canals designated as segments in Chapter 5 during periods of dewatering which are required for or may result from repair, maintenance, inspection, non-diversion periods, force majeure or public safety.

014 Because the frequency and extent of monitoring programs can only approximate whether surface waters meet or exceed water quality criteria that are based on averages over a specified time period in Chapters 4 and 7, assessment of compliance with these criteria may utilize scientifically accepted statistical procedures.

015 Variances.

015.01 Upon written application by any person and meeting the requirements of this section, the director may grant a variance for an interim beneficial use and interim criterion when it is determined that the attainment of a current beneficial use and criterion is not feasible because one of the following conditions is met:

015.01A One of the factors listed in 40 C.F.R 131.10(g) dated July 1, 2018, which is adopted and incorporated by reference, exists.

015.01B Actions necessary to facilitate lake, wetland, or stream restorations through dam removal or other significant reconfiguration activities preclude

attainment of the designated use and criterion while the actions are being implemented.

015.02 Prior to the granting of any variance as allowed by 015.01, persons or categories of facilities eligible for an interim beneficial use and interim criterion will be proposed for adoption by the Nebraska Environmental Quality Council, after a public hearing consistent with 40 C.F.R. 131.20(b) dated July 1, 2018, which is adopted and incorporated by reference. Categories of eligible facilities will be identified and proposed in conjunction with the next systematic review or subsequent triennial review.

015.03 Adoption and implementation of each variance will be in accordance with 40 C.F.R 131.14 dated July 1, 2018, which is adopted and incorporated by reference, except that 131.14(a)(2), 131.14(b)(1)(ii), and 131.14(b)(2)(i)(A) are to be replaced by paragraphs 015.04 through 015.06 of this regulation, respectively.

015.04 Each variance will have a designated term limit and reflect the highest attainable condition during the specified term. A variance may be applied to individual or multiple dischargers or surface water bodies.

015.05 Each variance will have requirements and a time limitation demonstrating the intent that progress be made toward the attainment of the underlying designated use and criterion.

015.05A Each Nebraska surface water quality standard not specifically addressed in a variance will remain applicable.

015.05B Each person requesting a variance is to provide evidence that a designated use and criterion, or a designated use or criterion addressed by the variance cannot be achieved solely by the implementation of technology-based effluent limits.

015.05C Each requirement of the variance is to represent the highest attainable condition of the surface water segment applicable throughout the term of the variance. A specified requirement will not result in lowering the currently attained ambient water quality, unless a variance is necessary for physical reconfiguration activities intended for surface water segment restoration. The highest attainable condition of each affected surface water segment as a quantifiable expression is to be specified as one of the following:

015.05C1 The highest attainable interim criterion;

015.05C2 The interim effluent condition that reflects the greatest pollutant reduction achievable; or

015.05C3 The interim criterion or effluent condition that reflects the greatest pollutant reduction achievable with the pollutant control technologies installed at the time the variance is adopted.

015.05D If the quantifiable expression identified in paragraph 015.05C3 is selected, a pollutant minimization plan consistent with 40 C.F.R 131.3(p) dated July 1, 2018, which is adopted and incorporated by reference, is to be adopted and implemented if no additional feasible pollutant control technology is identified.

015.06 Each variance request will include supporting documentation that demonstrates all of the following:

015.06A Attaining the designated use and criterion is not feasible throughout the term of the variance because of one of the factors cited in paragraphs 015.01A and 015.01B;

015.06B The term of the variance is only as long as necessary to achieve the highest attainable condition; and

015.06C The highest attainable condition of the affected surface water segment is as defined in paragraph 015.05C.

015.07 A discharger that adversely impacts water quality will not be granted a variance from requirements of Title 117, Chapter 3.

015.08 Specific eligibility requirements may be included in a multiple-discharger variance as an alternative to identifying the specific dischargers at the time of adoption of the variance. Each discharger is to meet the eligibility requirements in the applicable section of the “Nebraska Surface Water Quality Standards Variance Register”, which will be made available to the public by the Department on its web site.

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| Enabling Legislation: Neb. Rev. Stat. §-81-1505(1)(2)

Legal Citation: Title 117, Ch. 2, Nebraska Department of Environmental Quality

Effective Date: _____

NEBRASKA ADMINISTRATIVE CODE

Title 117 - NEBRASKA DEPARTMENT OF ENVIRONMENTAL QUALITY

Chapter 4 - STANDARDS FOR WATER QUALITY

001 It is the public policy of the State of Nebraska to protect and improve the quality of surface water for human consumption, wildlife, fish and other aquatic life, industry, recreation, and other productive, beneficial uses.

Beneficial uses are assigned to surface waters within or bordering upon the State of Nebraska (Chapters 5 and 6). Assigned and existing beneficial uses are protected by the Antidegradation Clause (Chapter 3) and the narrative and numerical water quality criteria in this chapter. Beneficial uses are also protected by permits issued in accordance with the requirements of these standards, and through Department requirements for the applicable level of treatment or control for point and nonpoint sources of pollution. Some uses require higher quality water than others. When multiple uses are assigned to the same waters, all assigned uses will be protected.

The beneficial uses defined by these standards are:

Primary Contact Recreation

Aquatic Life

Coldwater (Class A and B)
Warmwater (Class A and B)

Water Supply

Public Drinking Water
Agricultural
Industrial

Aesthetics

These uses are not intended in any way to conflict with the quantitative beneficial uses provided for in Neb. Rev. Stat., Ch. 46, regulating irrigation or the authority of the Nebraska Department of Natural Resources.

002 Primary Contact Recreation.

This use applies to surface waters which are used, or have a high potential to be used, for primary contact recreational activities. Primary contact recreation includes activities where the body may come into prolonged or intimate contact with the water, such that water may be accidentally ingested and sensitive body organs (e.g., eyes, ears, nose, etc.) may be exposed. Although the water may be accidentally ingested, it is not intended to be used as a potable water supply unless acceptable treatment is applied. These waters may be used for swimming, water skiing, canoeing, and similar activities. These criteria apply during the recreational period of May 1 through September 30.

002.01 *E. coli*.

E. coli bacteria ~~shall-are~~ not to exceed a geometric mean of 126/100 ml. For increased confidence of the criteria, the geometric mean should be based on a minimum of five samples taken within a 30-day period. This does not preclude fecal coliform limitations based on effluent guidelines. The following single sample maxima ~~shall-will~~ be used solely for issuing periodic public advisories regarding use of waterbodies for Primary Contact Recreation.

002.01A 235/100 ml at designated bathing beaches.

002.01B 298/100 ml at moderately used recreational waters.

002.01C 406/100 ml at lightly used recreational waters.

002.01D 576/100 ml at infrequently used recreational waters.

002.02 Toxic Substances.

These waters ~~shall-are to~~ be free from toxic substances, alone or in combination with other substances, in concentrations that result in adverse health impacts to humans participating in primary contact recreation.

003 Aquatic Life.

003.01 General Criteria for Aquatic Life

The following criteria apply to all aquatic life use classes.

003.01A pH (Hydrogen Ion Concentration).

Hydrogen Ion concentrations, expressed as pH, ~~shall~~are to be maintained between 6.5 and 9.0; unless pH values outside this range are due to natural conditions.

003.01B Temperature.

The temperature of a receiving water ~~shall~~is not to be increased by a total of more than 5°F (3°C) from natural background outside the mixing zone.

For the Missouri River, from the South Dakota-Nebraska state line near Ft. Randall Dam to Sioux City, Iowa, the maximum temperature limit is 85°F (29°C) with an allowable change of 4°F (2°C) from natural background. For cold waters, the maximum limit is 72°F (22°C) with an allowable change of 5°F (3°C) from natural background. For warm waters, the maximum limit is 90°F (32°C).

For impoundments, the temperature of the epilimnion of surface waters ~~shall~~is not to be raised more than 3°F (2°C) above that which existed before the addition of heat of artificial origin. Unless a special study shows that the discharge of heated effluent into the hypolimnion will be desirable, such practice is not recommended and water for cooling should not be pumped from the hypolimnion to be discharged to the same body of water.

003.01C Toxic Substances.

Surface waters ~~shall~~are to be free from toxic substances, alone or in combination with other substances, in concentrations that result in acute or chronic toxicity to aquatic life, except as specified in Chapter 2. Toxic substances ~~shall~~are not to be present in concentrations that result in objectionable tastes or significant bioaccumulation or biomagnification in aquatic organisms which renders them unsuitable or unsafe for consumption. (In implementing these criteria, the

Department will follow procedures outlined in the State's Continuing Planning Process which comply with the federal water quality standards, 40 C.F.R. § 131.11 (1987)).

003.01C1 The following numerical criteria for the protection of aquatic life and their uses (e.g., fish consumption) ~~shall~~are not to be exceeded. Unless otherwise noted, criteria are based on total concentrations.

| <u>POLLUTANT</u> | <u>CRITERIA ($\mu\text{g/Lug/l}$)</u> | | <u>CAS No.*</u> |
|----------------------------------------------------------------------------|--------------------------------------------------|------------------------------------------------------------------|-----------------|
| | <u>Acute</u> | <u>Chronic</u> | |
| <u>Pesticides:</u> | | | |
| Acrolein | 3 ^c | 3 ^d | 107-02-8 |
| Alachlor | 760 ^c | 76 ^d | 15972-60-8 |
| Aldrin | 3.0 ^a | 0.0005 ^{b,e} <u>0.000077</u> ^{b,e} | 309-00-2 |
| Atrazine | 330 ^c | 12 ^d | 1912-24-9 |
| BHC [†] | 100 ^a | 0.414 ^{b,e} <u>0.1</u> ^{b,e} | 608-73-1 |
| <u>Hexachlorocyclohexane (HCH)-Technical</u> | | | |
| Alpha-BHC | (Reserved) | 0.049 ^{b,e} <u>0.0039</u> ^{b,e} | 319-84-6 |
| <u>alpha-Hexachlorocyclohexane (HCH)</u> | | | |
| Beta-BHC | (Reserved) | 0.17 ^{b,e} <u>0.14</u> ^{b,e} | 319-85-7 |
| <u>beta-Hexachlorocyclohexane (HCH)</u> | | | |
| Carbaryl | 2.1 ^c | 2.1 ^d | 63-25-2 |
| Chlordane | 2.4 ^a | 0.0043 ^b <u>0.0032</u> ^{b,e} | 57-74-9 |
| Chlorpyrifos | 0.083 ^c | 0.041 ^d | 2921-88-2 |
| DCPA ^{‡1} | (Reserved) | 14,300 ^d | 1861-32-1 |
| <u>p,p'-Dichlorodiphenyltrichloroethane</u> or DDT ⁴ | 1.1 ^a | 0.001 ^b <u>0.0003</u> ^{b,e} | 50-29-3 |
| <u>p,p'-Dichlorodiphenyldichloroethylene</u> or DDT metabolite (DDE) | 1050 ^a | 0.0022 ^{b,e} <u>0.00018</u> ^{b,e} | 72-55-9 |
| <u>p,p'-Dichlorodiphenyldichloroethane</u> or DDT metabolite (TDE, DDD) | 0.6 ^a | 0.0031 ^{b,e} <u>0.0012</u> ^{b,e} | 72-54-8 |
| Demeton | (Reserved) | 0.1 ^b | 8065-48-3 |
| Diazinon | 0.17 ^c | 0.17 ^d | 333-41-5 |
| Dieldrin | 0.24 ^a | 0.00054 ^{b,e} <u>0.000012</u> ^{b,e} | 60-57-1 |
| Dioxin ^{§2} | < 0.01 ^a | 0.000000051 ^{b,e} | 1746-01-6 |
| <u>Alpha-Endosulfan</u> | 0.22 ^a | 0.056 ^b | 959-98-8 |

| POLLUTANT | CRITERIA ($\mu\text{g/Lug/4}$) | | CAS No.* |
|-----------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------|----------------|
| | Acute | Chronic | |
| Betabeta -Endosulfan | 0.22 ^a | 0.056 ^b | 33213-65-9 |
| Endosulfan sulfate | (Reserved) | 89^{b,f} 40 ^{b,f} | 1031-07-8 |
| Endrin | 0.086 ^a | 0.036^b 0.03 ^{b,f} | 72-20-8 |
| Endrin aldehyde | (Reserved) | 0.30^{b,f} 1.0 ^{b,f} | 7421-93-4 |
| Guthion | (Reserved) | 0.01 ^b | 86-50-0 |
| Heptachlor | 0.52 ^a | 0.00079^{b,e} 0.000059 ^{b,e} | 76-44-8 |
| Heptachlor epoxide | 0.52 ^a | 0.00039^{b,e} 0.00032 ^{b,e} | 1024-57-3 |
| Isophorone | 117,000 ^a | 9,600^{b,e} 18,000 ^{b,e} | 78-59-1 |
| <u>gamma-Hexachlorocyclohexane (HCH) or Lindane²</u> | 0.95 ^a | 0.16 ^b | 58-89-9 |
| Malathion | (Reserved) | 0.1 ^b | 121-75-5 |
| Methoxychlor | (Reserved) | 0.03^b 0.02 ^{b,f} | 72-43-5 |
| Metolachlor | 390 ^c | 100 ^d | 51218-45-2 |
| Metribuzin | (Reserved) | 100 ^d | 21087-64-9 |
| Mirex | (Reserved) | 0.001 ^d | 2385-85-5 |
| Parathion | 0.065 ^c | 0.013 ^d | 56-38-2 |
| Pentachlorophenol | $e^{(1.005(\text{pH})-4.869)}$ c | $e^{(1.005(\text{pH})-5.134)}$ 0.4^{b,e} | 87-86-5 |
| Propachlor | (Reserved) | 8.0 ^d | 1918-16-7 |
| Toxaphene | 0.73 ^c | 0.0002 ^d | 8001-35-2 |
| Tributyltin (TBT) | 0.46 ^c | 0.072 ^d | ..... |
| <u>Chlorphenoxy Herbicide (2,4-D)</u> | <u>Reserved</u> | <u>12,000^{b,f}</u> | <u>94-75-7</u> |
| <u>Chlorphenoxy Herbicide (2,4,5-TP) [Silvex]</u> | <u>Reserved</u> | <u>400^{b,f}</u> | <u>93-72-1</u> |
| <u>Metals and Inorganics⁶³ :</u> | | | |
| Aluminum | 750 ^c | 87 ^d | 7429-90-5 |
| Antimony | 88 ^c | 30 ^d | 7440-36-0 |
| Arsenic | 340 ^c | 16.7 ^{b,e} | 7440-38-2 |
| Beryllium | 130 ^a | 5.3 ^d | 7440-41-7 |
| Cadmium | (See Site-Specific or Aquatic Life Use Class Criteria) | | 7440-43-9 |
| Chromium (III) | (See Site-Specific or Aquatic Life Use Class Criteria) | | 16065-83-1 |
| Chromium (VI) | (See Site-Specific or Aquatic Life Use Class Criteria) | | 18540-29-9 |
| Copper | $(0.960)e^{(0.9422[\ln\text{hardness}]-1.700)}$ c | $(0.960)e^{(0.8545[\ln\text{hardness}]-1.702)}$ d | 7440-50-8 |
| Cyanide | (See Site-Specific or Aquatic Life Use Class Criteria) | | 57-12-5 |

| POLLUTANT | CRITERIA ($\mu\text{g/Lug/4}$) | | CAS No.* |
|-----------------------|------------------------------------------------------|------------------------------------------------------|-----------|
| | Acute | Chronic | |
| Iron | (Reserved) | 1,000 ^b | 7439-89-6 |
| Lead ⁷⁴ | $(\text{CF})e^{(1.273[\ln\text{hardness}]-1.460)}$ c | $(\text{CF})e^{(1.273[\ln\text{hardness}]-4.705)}$ d | 7439-92-1 |
| Manganese | (Reserved) | 1,000 ^{b,e} | 7439-96-5 |
| Mercury ⁸⁵ | 1.4 ^c | 0.77 ^d | 7439-97-6 |
| Nickel | $(0.998)e^{(0.846[\ln\text{hardness}]+2.255)}$ c | $(0.997)e^{(0.846[\ln\text{hardness}]+0.0584)}$ d | 7440-02-0 |
| Selenium ⁹ | 20 ^e See 003.01C3 | 5.0 ^d | 7782-49-2 |
| Silver | $(0.85)e^{(1.72[\ln\text{hardness}]-6.59)}$ c | (Reserved) | 7440-22-4 |
| Thallium | 1400 ^a | 0.47 ^{b,f} | 7440-28-0 |
| Zinc | $(0.978)e^{(0.8473[\ln\text{hardness}]+0.884)}$ c | $(0.986)e^{(0.8473[\ln\text{hardness}]+0.884)}$ d | 7440-66-6 |

PCBs and Related Compounds:

| | | | |
|--------------------------|--------------------|------------------------|-------|
| PCBs | 2.0 ^a | 0.00064 ^{b,e} | ..... |
| Chlorinated Naphthalenes | 1,600 ^a | 43,000 ^{b,e} | ..... |

Halogenated Aliphatics:

| | | | |
|-----------------------------------|----------------------|--------------------------------------------------------------|----------------|
| Halomethanes | 11,000 ^a | 157 ^{b,e} | ..... |
| Bromoform | (Reserved) | 1400 ^{b,e} <u>1,200</u> ^{b,e} | 75-25-2 |
| Methyl bromide | (Reserved) | 1,500 ^{b,f} <u>10,000</u> ^{b,f} | 74-83-9 |
| Chloroform | 28,900 ^a | 1,240 ^b | 67-66-3 |
| Carbon tetrachloride | 35,200 ^a | 16 ^{b,e} <u>50</u> ^{b,e} | 56-23-5 |
| Methylene chloride | (Reserved) | 5,900 ^{b,e} <u>3,000</u> ^{b,f} | 75-09-2 |
| 1,2-dichloroethane | 118,000 ^a | 370 ^{b,e} <u>6,500</u> ^{b,e} | 107-06-2 |
| Hexachloroethane | 980 ^a | 33 ^{b,e} <u>0.8</u> ^{b,f} | 67-72-1 |
| Pentachloroethane | 7,240 ^a | 1,100 ^b | 76-01-7 |
| Trichlorinated ethanes | 18,000 ^a | (Reserved) | 25323-89-1 |
| <u>1,1,1-trichloroethane</u> | <u>(Reserved)</u> | <u>200,000</u> ^{b,f} | <u>71-55-6</u> |
| 1,1,2-trichloroethane | (Reserved) | 160 ^{b,e} <u>89</u> ^{b,e} | 79-00-5 |
| Tetrachloroethanes | 9,320 ^a | (Reserved) | 25322-20-7 |
| 1,1,2,2-tetrachloroethane | (Reserved) | 40 ^{b,e} <u>30</u> ^{b,e} | 79-34-5 |
| Dichloroethylenes | 11,600 ^a | (Reserved) | 25323-30-3 |
| 1,1-dichloroethylene | (Reserved) | 32 ^{b,e} <u>20,000</u> ^{b,f} | 75-35-4 |
| <u>1,2-trans-dichloroethylene</u> | (Reserved) | 10,000 ^{b,f} <u>4,000</u> ^{b,f} | 156-60-5 |
| <u>Trans-1,2-dichloroethylene</u> | | | |

| POLLUTANT | CRITERIA ($\mu\text{g/L}$ / $\mu\text{g}/\text{A}$) | | CAS No.* |
|----------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------------------|-----------------|
| | Acute | Chronic | |
| Tetrachloroethylene | 5,280 ^a | 33 ^{b,e} <u>70</u> ^{b,f} | 127-18-4 |
| Trichloroethylene | 45,000 ^a | 300 ^{b,e} <u>30</u> ^{b,f} | 79-01-6 |
| Chlorodibromomethane | (Reserved) | 130 ^{b,e} <u>210</u> ^{b,e} | 124-48-1 |
| Dichlorobromomethane | (Reserved) | 170 ^{b,e} <u>270</u> ^{b,e} | 75-27-4 |
| Dichloropropane | 23,000 ^a | 5,700 ^b | 26638-19-7 |
| 1,2-dichloropropane | (Reserved) | 150 ^{b,e} <u>310</u> ^{b,e} | 78-87-5 |
| Dichloropropene | 6,060 ^a | 244 ^b | 26952-23-8 |
| 1,3-dichloropropene | (Reserved) | 210 ^{b,e} <u>120</u> ^{b,e} | 542-75-6 |
| Hexachlorobutadiene | 90 ^a | 9.3 ^b <u>0.02</u> ^{b,f} | 87-68-3 |
| Hexachlorocyclopentadiene | 7.0 ^a | 5.2 ^b <u>4.0</u> ^{b,f} | 77-47-4 |
| Vinyl Chloride | (Reserved) | 24 ^{b,e} <u>16</u> ^{b,e} | 75-01-4 |
| <u>Ethers:</u> | | | |
| Bis(2-chloroethyl)ether | (Reserved) | 5.3 ^{b,e} <u>22</u> ^{b,e} | 111-44-4 |
| Bis(2-chloroethyl) Ether | | | |
| Bis(2-chloroisopropyl)ether | (Reserved) | 65,000 ^{b,f} <u>4,000</u> ^{b,f} | 108-60-1 |
| Bis(2-chloro-1-methylethyl) Ether | | | |
| Bis-chloromethyl-ether | (Reserved) | 0.0078 ^{b,e} <u>0.17</u> ^{b,e} | 542-88-1 |
| Bis(chloromethyl) Ether | | | |
| Chloroalkyl ethers | 238,000 ^a | (Reserved) | ..... |
| Haloethers | 360 ^a | 122 ^b | ..... |
| <u>Monocyclic Aromatics except Phenols, Cresols, and Phthalates:</u> | | | |
| Benzene | 5,300 ^a | 510 ^{b,e} <u>90</u> ^{b,f} | 71-43-2 |
| Chlorinated benzenes | 250 ^a | 50 ^b | ..... |
| <u>Chlorobenzene</u> | (Reserved) | 800 ^{b,f} | <u>108-90-7</u> |
| 1,2-dichlorobenzene | (Reserved) | 1,300 ^{b,f} <u>3,000</u> ^{b,f} | 95-50-1 |
| 1,3-dichlorobenzene | (Reserved) | 960 ^{b,f} <u>10</u> ^{b,f} | 541-73-1 |
| 1,4,-dichlorobenzene | (Reserved) | 190 ^{b,f} <u>900</u> ^{b,f} | 106-46-7 |
| Ethylbenzene | 32,000 ^a | 2,100 ^{b,f} <u>130</u> ^{b,f} | 100-41-4 |
| Hexachlorobenzene | 6.0 ^a | 0.0029 ^{b,e} <u>0.00079</u> ^{b,e} | 118-74-1 |
| Nitrobenzene | 27,000 ^a | 690 ^{b,f} <u>600</u> ^{b,f} | 98-95-3 |
| Pentachlorobenzene | (Reserved) | 41 ^{b,e} <u>0.1</u> ^{b,f} | 608-93-5 |
| 1,2,4,5-tetrachlorobenzene | (Reserved) | 29 ^{b,e} <u>0.03</u> ^{b,f} | 95-94-3 |
| 1,2,4-trichlorobenzene | (Reserved) | 70 ^{b,f} <u>0.76</u> ^{b,e} | 120-82-1 |

| POLLUTANT | CRITERIA ($\mu\text{g/L}$ / $\mu\text{g/d}$) | | CAS No.* |
|-------------------------------------------------|------------------------------------------------|-----------------------------------------------------------------|------------|
| | Acute | Chronic | |
| Toluene | 17,500 ^a | 15,000 ^{b,f} <u>520</u> ^{b,f} | 108-88-3 |
| 2,4-dinitrotoluene | 330 ^a | 34 ^{b,e} <u>17</u> ^{b,e} | 121-14-2 |
| <u>Phenols and Cresols:</u> | | | |
| Phenol | 10,200 ^a | 2,560 ^b | 108-95-2 |
| 2-chlorophenol | 4,380 ^a | 150 ^{b,f} <u>800</u> ^{b,f} | 95-57-8 |
| 3-methyl-4-chlorophenol | 30 ^a | (Reserved) <u>2,000</u> ^{b,f} | 59-50-7 |
| 2,4-dichlorophenol | 2,020 ^a | 290 ^{b,f} <u>60</u> ^{b,f} | 120-83-2 |
| 2,4,5-trichlorophenol | 100 ^a | 63 ^b | 95-95-4 |
| 2,4,6-trichlorophenol | (Reserved) | 24 ^{b,e} <u>6</u> ^{b,f} | 88-06-2 |
| Dinitrophenols | (Reserved) | 140,000 ^{b,e} <u>1,000</u> ^{b,f} | 25550-58-7 |
| Nitrophenols | 230 ^a | 150 ^b | ..... |
| Nonylphenol | 28 ^c | 6.6 ^d | 1044-05-1 |
| 2-methyl-4,6-dinitrophenol | (Reserved) | 280 ^{b,f} <u>30</u> ^{b,f} | 534-52-1 |
| 2,4-dinitrophenol | (Reserved) | 5,300 ^{b,f} <u>300</u> ^{b,f} | 51-28-5 |
| 2,4-dimethylphenol | 2,120 ^a | 850 ^{b,f} <u>3,000</u> ^{b,f} | 105-67-9 |
| <u>Phthalate Esters:</u> | | | |
| Phthalate esters | 940 ^a | 3.0 ^b | ..... |
| Butylbenzyl phthalate | (Reserved) | 1,900 ^{b,f} <u>1.0</u> ^{b,e} | 85-68-7 |
| Di-N-butyl phthalate | (Reserved) | 4,500 ^{b,f} <u>30</u> ^{b,f} | 84-74-2 |
| Diethyl phthalate | (Reserved) | 44,000 ^{b,f} <u>600</u> ^{b,f} | 84-66-2 |
| Di-2-ethylhexyl phthalate | 2,000 ^a | 22 ^{b,e} <u>3.7</u> ^{b,e} | 117-81-7 |
| Bis(2-ethylhexyl) Phthalate | | | |
| Dimethyl phthalate | (Reserved) | 1,100,000 ^{b,e} <u>2,000</u> ^{b,f} | 131-11-3 |
| <u>Polycyclic Aromatic Hydrocarbons (PAHs):</u> | | | |
| Acenaphthene | 1,700 ^a | 520 ^b <u>90</u> ^{b,f} | 83-32-9 |
| Anthracene | (Reserved) | 40,000 ^{b,f} <u>400</u> ^{b,f} | 120-12-7 |
| Benzo(a)anthracene | (Reserved) | 0.18 ^{b,e} <u>0.013</u> ^{b,e} | 56-55-3 |
| Benzo(a)pyrene | (Reserved) | 0.18 ^{b,e} <u>0.0013</u> ^{b,e} | 50-32-8 |
| Benzo(b)fluoranthene | (Reserved) | 0.18 ^{b,e} <u>0.013</u> ^{b,e} | 205-99-2 |
| Benzo(k)fluoranthene | (Reserved) | 0.18 ^{b,e} <u>0.13</u> ^{b,e} | 207-08-9 |
| Chrysene | (Reserved) | 0.18 ^{b,e} <u>1.3</u> ^{b,e} | 218-01-9 |
| Dibenzo(a,h)anthracene | (Reserved) | 0.18 ^{b,e} <u>0.0013</u> ^{b,e} | 53-70-3 |
| Fluoranthene | 3,980 ^a | 140 ^{b,f} <u>20</u> ^{b,f} | 206-44-0 |

| POLLUTANT | CRITERIA ($\mu\text{g/Lug/4}$) | | CAS No.* |
|------------------------|----------------------------------|-------------------------------------------------------------|----------|
| | Acute | Chronic | |
| Fluorene | (Reserved) | 5,300 ^{b,f} <u>70</u> ^{b,f} | 86-73-7 |
| Indeno(1,2,3-cd)pyrene | (Reserved) | 0.18 ^{b,e} <u>0.013</u> ^{b,e} | 193-39-5 |
| Naphthalene | 2,300 ^a | 620 ^b | 91-20-3 |
| 2-chloronaphthalene | 1,600 ^a | 1,600 ^{b,f} <u>1,000</u> ^{b,f} | 91-58-7 |
| Phenanthrene | 30 ^a | 6.3 ^b | 85-01-8 |
| Pyrene | (Reserved) | 4,000 ^{b,f} <u>30</u> ^{b,f} | 129-00-0 |

Nitrosamines and other Nitrogen-containing Compounds:

| | | | |
|---------------------------|--------------------|-------------------------------------------------------------|----------|
| Nitrosamines | 5,850 ^a | 12.4 ^{b,e} | ..... |
| Benzidine | 2,500 ^a | 0.0020 ^{b,e} <u>0.11</u> ^{b,e} | 92-87-5 |
| 3,3'-dichlorobenzidine | (Reserved) | 0.28 ^{b,e} <u>1.5</u> ^{b,e} | 91-94-1 |
| 1,2-diphenylhydrazine | 270 ^a | 2.0 ^{b,e} | 122-66-7 |
| Acrylonitrile | 7,550 ^a | 2.5 ^{b,e} <u>70</u> ^{b,e} | 107-13-1 |
| N-nitrosodibutylamine | (Reserved) | 2.2 ^{b,e} | 924-16-3 |
| N-nitrosodiethylamine | (Reserved) | 12.4 ^{b,e} | 55-18-5 |
| N-nitrosodimethylamine | (Reserved) | 30 ^{b,e} | 62-75-9 |
| N-nitrosodiphenylamine | (Reserved) | 60 ^{b,e} | 86-30-6 |
| N-nitrosodi-N-propylamine | (Reserved) | 5.1 ^{b,e} | 621-64-7 |
| N-nitrosopyrrolidine | (Reserved) | 340 ^{b,e} | 930-55-2 |

* Chemical Abstract Services Registry Number

^a Concentration not to be exceeded at any time

^b Twenty-four hour average concentration

^c One-hour average concentration

^d Four-day average concentration

^e Human health criteria at the 10^{-5} risk level for carcinogens based on the consumption of fish and other aquatic organisms

^f Human health criteria based on the consumption of fish and other aquatic organisms

¹ ~~Benzene hexachloride or hexachlorocyclohexane~~

² ~~Gamma-BHC~~

¹³ Dimethyl tetrachloroterephthalate

⁴ ~~Dichlorodiphenyltrichloroethane~~

²⁵ 2,3,7,8-tetrachloro-dibenzo-p-dioxin or 2,3,7,8-TCDD

Title 117

Chapter 4

³⁶ Criteria for metals and inorganics apply to dissolved concentrations

⁴⁷ The conversion factor for lead (acute and chronic) is hardness dependent and defined by:

$$CF = 1.46203 - [(\ln \textit{hardness})(0.145712)]$$

⁵⁸ Chronic criterion for mercury applies to total recoverable concentrations

~~⁹ Criteria for selenium apply to total recoverable concentrations~~

Title 117

Chapter 4

003.01C2 The following criteria for the protection of human health based on consumption of fish and other aquatic organisms ~~shall~~are not to be exceeded. These criteria are expressed as fish tissue concentrations (mg/kg fish).

| <u>POLLUTANT</u> | <u>CRITERIA (mg/kg)</u> | <u>CAS No.*</u> |
|------------------|-------------------------|-----------------|
| Methylmercury | 0.215 | 22967-92-6 |

* Chemical Abstract Services Registry Number

003.01C3 The following Selenium criteria are for the protection of aquatic life. These criteria are expressed preferentially as fish tissue concentrations (mg/kg fish), followed by water column concentrations (mg/L) in the absence of fish tissue information.

| <u>POLLUTANT</u> | | | <u>CAS No.*</u> | |
|--------------------------|----------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <u>Selenium</u> | | | <u>7782-49-2</u> | |
| | <u>FISH TISSUE¹ CRITERIA</u> | | <u>WATER COLUMN⁴ CRITERIA</u> | |
| <u>Criterion Element</u> | <u>Egg/Ovary²</u> | <u>Fish Whole Body or Muscle³</u> | <u>Thirty-day average</u> | <u>Intermittent Exposure⁵</u> |
| <u>Magnitude</u> | <u>15.1 mg/kg</u> | <u>8.5 mg/kg whole body or 11.3 mg/kg muscle</u> | <u>1.5 µg/L in lakes and reservoirs</u> <u>3.1 µg/L in streams and rivers</u> | <u>WOC_{int} =</u> <u>$\frac{WQC_{30\text{-day}} - C_{\text{bkgrnd}}(1 - f_{\text{int}})}{f_{\text{int}}}$</u> |
| <u>Duration</u> | <u>Instantaneous measurement⁶</u> | <u>Instantaneous measurement⁶</u> | <u>30 days</u> | <u>Number of days/month with an elevated concentration</u> |
| <u>Frequency</u> | <u>Not to be exceeded</u> | <u>Not to be exceeded</u> | <u>Not more than once in three years on average</u> | <u>Not more than once in three years on average</u> |

^{1.} Fish tissue elements are expressed as steady-state.

^{2.} Egg/Ovary supersedes any whole-body, muscle, or water column element when fish egg/ovary concentrations are measured.

^{3.} Fish whole-body or muscle tissue supersedes water column element when both fish tissue and water column concentrations are measured.

^{4.} Water column values are based on dissolved total selenium in water and are derived from fish tissue values via bioaccumulation modeling. Water column values are the applicable criterion element in the absence of steady-state condition fish tissue data.

^{5.} Where WQC_{30-day} is the water column monthly element, for either a lake or stream; C_{bkgrnd} is the average background selenium concentration, and f_{int} is the fraction of any 30-day period during which elevated selenium concentrations occur, with f_{int} assigned a value ≥0.033 (corresponding to 1 day).

^{6.} Fish tissue data provide instantaneous point measurements that reflect integrative accumulation of selenium over time and space in fish populations at a given site.

* Chemical Abstract Services Registry Number

003.01D Petroleum Oil.

Not to exceed 10 ~~mg~~mg/L.

003.01E Total Dissolved Gases.

Not to exceed 110 percent of the saturation value for gases at the existing atmospheric and hydrostatic pressures.

003.01F Hydrogen Sulfide.

Not to exceed 0.002 ~~mg~~mg/L as undissociated hydrogen sulfide.

003.01G Chloride.

Not to exceed 860 ~~mg~~mg/L at any time or a four-day average concentration of 230 ~~mg~~mg/L except as specified in ~~003.02B5b and 003.02B6a~~003.02B2 (Site-specific criteria).

003.01H Alkalinity

No less than 20 ~~mg~~mg/L as CaCO₃ except where natural background is less.

003.01I Residual Chlorine.

003.01I1 One-hour average concentration not to exceed 19-~~ug~~ug/L.

003.01I2 Four-day average concentration not to exceed 11 ~~ug~~ug/L.

003.01J Biological Criteria.

Any human activity causing water pollution which would significantly degrade the biological integrity of a body of water or significantly impact or displace an identified “key species” ~~shall~~will not be allowed except as specified in Chapter 2.

003.01J1 Key Species.

Key species are identified endangered, threatened, sensitive, or recreationally-important aquatic species. Key species are designated by stream segment (Chapter 5). ~~The following list defines the aquatic species considered by the Department to be key species.~~

COMMON NAMESCIENTIFIC NAMEEndangered Species:

| | |
|------------------------------|----------------------------------------|
| Pallid sturgeon | <i>Scaphirhynchus albus</i> |
| Topeka shiner | <i>Notropis topeka</i> |
| Sturgeon chub | <i>Macrhybopsis gelida</i> |
| Blacknose shiner | <i>Notropis heterolepis</i> |
| Scaleshell mussel | <i>Leptodea leptodon</i> |

Threatened Species:

| | |
|-----------------------------------|----------------------------------------|
| Lake sturgeon | <i>Acipenser fulvescens</i> |
| Northern redbelly dace | <i>Phoxinus eos</i> |
| Finescale dace | <i>Phoxinus neogaeus</i> |

Sensitive Species[†]:

| | |
|--------------------------------|-------------------------------------------|
| Lake chub | <i>Couesius plumbeus</i> |
| Brook stickleback | <i>Culea inconstans</i> |
| Iowa darter | <i>Etheostoma exile</i> |
| Johnny darter | <i>Etheostoma nigrum</i> |
| Orangethroat darter | <i>Etheostoma spectabile</i> |
| Blacknose dace | <i>Rhinichthys atratulus</i> |
| Pearl Dace | <i>Semotilus margarita</i> |
| Grass pickerel | <i>Esox americanus</i> |
| Pumpkinseed | <i>Lepomis gibbosus</i> |
| Golden shiner | <i>Notemigonus crysoleucas</i> |
| Common shiner | <i>Notropis cornutus</i> |

Recreationally Important Species:

| | |
|--------------------------------|-----------------------------------------------|
| Shovelnose sturgeon | <i>Scaphirhynchus platorynchus</i> |
| Paddlefish | <i>Polyodon spathula</i> |
| Brook trout | <i>Salvelinus fontinalis</i> |

[†] ~~Endangered, threatened, and recreationally important aquatic species are not included.~~

COMMON NAME

SCIENTIFIC NAME

| | |
|-----------------------------|------------------------------------------------|
| Brown trout | <i>Salmo trutta</i> |
| Rainbow trout | <i>Oncorhynchus mykiss</i> |
| Northern pike | <i>Esox lucius</i> |
| Muskellunge | <i>Esox masquinongy</i> |
| Blue catfish | <i>Ictalurus furcatus</i> |
| Channel catfish | <i>Ictalurus punctatus</i> |
| Flathead catfish | <i>Pylodictis olivaris</i> |
| Striped bass | <i>Morone saxatilis</i> |
| White bass | <i>Morone chrysops</i> |
| Rock bass | <i>Ambloplites rupestris</i> |
| Largemouth bass | <i>Micropterus salmoides</i> |
| Smallmouth bass | <i>Micropterus dolomieu</i> |
| Spotted bass | <i>Micropterus punctulatus</i> |
| Redear sunfish | <i>Lepomis microlophus</i> |
| Bluegill | <i>Lepomis macrochirus</i> |
| Black crappie | <i>Pomoxis nigromaculatus</i> |
| White crappie | <i>Pomoxis annularis</i> |
| Yellow perch | <i>Perca flavescens</i> |
| Sauger | <i>Stizostedion canadense</i> |
| Walleye | <i>Stizostedion vitreum vitreum</i> |

003.02 Site-Specific Criteria for Aquatic Life.

003.02A Procedures for Developing Site-specific Water Quality Criteria.

The water quality criteria in Chapter 4 may not always reflect the toxicity of a chemical in a specific water body. These criteria also represent only a limited number of the natural and manmade chemicals that exist in the environment which may pose a threat to aquatic life. Thus, it may be necessary in some water bodies to develop new water quality criteria or modify existing criteria through site-specific analyses in order to more accurately protect the resident species.

003.02A1 The following are acceptable conditions for developing site-specific criteria.

003.02A1a Resident species of a water body are more or less sensitive than those species used to develop a water quality criterion.

003.02A1a(1) Natural adaptive processes have enabled a viable, balanced aquatic community to exist in waters where natural background levels of a chemical exceed the criterion (e.g., resident species have evolved a genetically-based greater resistance to high concentrations of a chemical).

003.02A1a(2) The composition of aquatic species in a water body is different from those used in deriving a criterion (e.g., most of the species considered among the most sensitive, such as salmonids or the cladoceran, *Daphnia magna*, which were used in developing a criterion, are absent from a water body).

003.02A1b Biological availability and/or toxicity of a chemical may be altered due to differences between the physical and/or chemical characteristics of the water in a water body and the laboratory water used in developing a criterion (e.g., alkalinity, hardness, pH, salinity, suspended solids, turbidity, water temperature).

003.02A1b(1) The effect of seasonality on the physical and/or chemical characteristics of a water body and subsequent effects on biological availability and/or toxicity of a chemical may justify seasonally dependent site-specific criteria.

003.02A2 To insure that the approach to be used in developing site-specific criteria is acceptable, the Department should be involved early in the planning of any site-specific analyses so that an agreement can be reached concerning the availability of existing data, additional data needs, methods to be used in generating new data, testing procedures to be used, schedules to be followed, and quality control and assurance provisions to be used. It is particularly important to involve the Department in the planning of site-specific analyses if a party other than the Department will be conducting the data generation and testing.

003.02A3 Site-specific criteria ~~shall are to~~ protect all life stages of resident species year-round (or seasonally for seasonally dependent criteria) and prevent acute and chronic toxicity in all parts of a water body. If site-specific criteria are seasonally dependent, the period when the criteria apply ~~shall is to~~ be clearly identified.

003.02A4 Site-specific criteria ~~shall are to~~ include both chronic and acute concentrations to better reflect the different tolerances of resident species to the inherent variability between concentrations and toxicological characteristics of a chemical.

003.02A5 Site-specific criteria ~~shall are to~~ be clearly identified as maximum “not to be exceeded” or average values, and if an average, the averaging period. The conditions, if any, when the criteria apply ~~shall are to~~ be clearly stated (e.g., specific levels of hardness, pH, or water temperature). Specific sampling requirements (e.g., location, frequency), if any, ~~shall are to~~ also be identified.

003.02A6 The following are acceptable procedures for developing site-specific criteria.

003.02A6a Site-specific analyses for the development of new water quality criteria ~~shall are to~~ be conducted in a manner which

is scientifically justifiable and consistent with the assumptions and rationale in Guidelines for Deriving Numerical National Water Quality Criteria for the Protection of Aquatic Organisms and their Uses, EPA, 1985.

003.02A6b Site-specific analyses for the modification of existing water quality criteria ~~shall~~are to be conducted in accordance with one of the following procedures. These procedures are described in Water Quality Standards Handbook, EPA, December 1983.

003.02A6b(1) Recalculation procedure. This procedure is used to account for differences in sensitivity to a chemical between resident species and those species used in deriving the criterion. Bioassays in laboratory water may be required for untested resident species. Adaptation of numerical toxics criteria to site-specific conditions is explained in Recalculation of State Toxic Criteria, EPA, November 1983.

003.02A6b(2) Indicator species procedure. This procedure is used to account for differences in biological availability and/or toxicity of a chemical between the physical and/or chemical characteristics of the water in a water body and the laboratory water used in developing the criterion. Bioassays in site water using resident species or acceptable nonresident species are required. Reconditioned laboratory water simulating site-specific water quality conditions is an acceptable substitute for site water.

003.02A6b(3) Resident species procedure. This procedure is used to account for differences in both resident species sensitivity and biological availability and/or toxicity of a chemical. Bioassays in site water using resident species are required. Reconditioned laboratory water simulating site-specific water quality conditions is an acceptable substitute for site water.

003.02A6b(4) Other scientifically defensible procedures such as relevant aquatic field studies, laboratory tests, or available scientific literature.

003.02A6b(4)(a) Deviations from EPA procedures ~~shall~~are to have justifications which are adequately documented and based on sound scientific rationale.

003.02A6b(4)(b) The data, testing procedures, and application (safety) factors used to develop site-specific criteria ~~shall~~are to reflect the nature of the chemical (e.g., persistency, bioaccumulation potential, and avoidance or attraction responses in fish) and the most sensitive resident species of a water body.

003.02A7 A site may be limited to the specific area affected by a point or nonpoint source of pollution; or, if water quality effects on toxicity are not a consideration, the site may be as large as a general biogeographical area permits (e.g., ecoregion, river basin, subbasin). For a number of different water bodies to be designated as one site, their respective aquatic communities cannot vary substantially in sensitivity to a chemical.

003.02B Site-Specific Water Quality Criteria.

003.02B1 Lake Ogallala (Keith County).

003.02B1a Dissolved Oxygen.

The following criteria ~~shall~~ apply from July 1 through October 15 as specified below. When the Kingsley Hydropower Plant is in operation (generating electricity), these criteria are based on water temperature measurements taken continuously and averaged every hour in the power house of the Kingsley Hydropower Plant and on dissolved oxygen measurements taken continuously and averaged every 10 minutes from Lake Ogallala at the midpoint of the buoy line (1987 location at the outer edge of the stilling basin) at a one meter depth. For purposes of calculating seven-day mean, seven-day mean minimum, and thirty-day mean values at the buoy line, seven-day and thirty-day calculation periods ~~shall are to~~ be based on a sequence of days not to include any day in which the Kingsley Hydropower Plant is not in operation. The following criteria may also be based on temperature and dissolved oxygen measurements taken from Lake Ogallala at any location except the metalimnion and hypolimnion when the lake exhibits thermal stratification.

003.02B1a(1) When daily mean water temperatures are 18°C or less the following criteria ~~shall~~ apply:

003.02B1a(1)(a) One-day minimum of not less than 3.0 ~~mg~~mg/L.

003.02B1a(1)(b) Daily mean of not less than 4.0 ~~mg~~mg/L and no more than 20 percent of the one-day mean values ~~shall be~~ less than 4.2 ~~mg~~mg/L.

003.02B1a(1)(c) Seven-day mean of not less than 4.3 ~~mg~~mg/L.

003.02B1a(2) When daily mean water temperatures exceed 18°C for four consecutive days of operation, the following criteria ~~shall~~ apply for as long as daily mean water temperatures continue to exceed 18°C. These criteria take effect on the fifth day of daily mean water temperatures exceeding 18°C.

003.02B1a(2)(a) One-day minimum of not less than 4.0 ~~mg~~4mg/L.

003.02B1a(2)(b) Daily mean of not less than 5.0 ~~mg~~4mg/L.

003.02B1a(3) When daily mean water temperatures exceed 18°C for fifteen consecutive days of operation, or when daily mean water temperatures exceed 20°C the dissolved oxygen criteria for Class B - Coldwater Aquatic Life (Chapter 4, 003.03B1) ~~shall~~ apply ~~for~~ as long as daily mean water temperatures continue to exceed 18°C. These criteria take effect on the sixteenth day of daily mean water temperatures exceeding 18°C or on the first day after daily mean water temperatures exceed 20°C.

003.02B1a(4) In implementing paragraphs 003.02B1a(2) and 003.02B1a(3), if an interruption in the operation of Kingsley Hydropower Plant exceeding 24 hours occurs during the count of days leading to a change in criteria, the count of days ~~shall~~will be suspended until the plant is back in operation. The first new day of operation ~~shall~~is to be counted as the next consecutive day in the original count of days.

003.02B1b Dissolved oxygen criteria for Class B - Coldwater Aquatic Life (Chapter 4, 003.03B1) ~~shall~~ apply during the period of October 16 through June 30.

003.02B2 Salt Creek – Beal Slough to Platte River (segments LP2-10000 and LP2-20000), Rock Creek (segments LP2-11000, LP2-11100, and LP2-11200, North Fork Rock Creek (segment LP2-11010), Ash Hollow Creek (segment LP2-11110), Little Rock Creek (segment LP2-11120), Jordan Creek (segment LP2-20100), Little Salt Creek (segment LP2-20300), Oak Creek - Elk Creek to Salt Creek (segment LP2-20500), Antelope Creek (segment LP2-20900), Middle Creek - South Branch Middle Creek to Salt Creek (segment LP2-21000), Haines Branch - Holmes Creek to Salt Creek (segment LP2-21200), Holmes Creek (segment LP2-21210), and Oak Lake (lake LP2-L0060). All waterbodies are within the Lower Platte River Basin.

003.02B2a Chloride.

Because these segments have high natural background concentrations of chloride and aquatic life has adapted to these conditions, criteria ~~shall~~will be based on natural background values.

003.03 Coldwater Aquatic Life Use Class Specific Criteria.

These are waters which provide, or could provide, a habitat consisting of sufficient water volume or flow, water quality, and other characteristics such as substrate composition which are capable of maintaining year-round populations of coldwater biota. Coldwater biota are considered to be life forms in waters where temperatures seldom exceed 25°C (77°F).

| 003.03A Total Ammonia (as nitrogen).

| 003.03A1 One-hour average concentration in mg/L not to exceed the numerical value given by

$$AV = \text{Minimum of } \left\{ \left(\frac{0.275}{1 + 10^{7.204 - pH}} + \frac{39.0}{1 + 10^{pH - 7.204}} \right), \text{ or} \right.$$

$$\left. 0.7249 \left(\frac{0.0114}{1 + 10^{7.204 - pH}} + \frac{1.6181}{1 + 10^{pH - 7.204}} \right) (23.12 \times 10^{0.036(20 - Temp)}) \right\}$$

where Temp is °C

| 003.03A1a The following table shows one-hour average criteria for total ammonia at various temperatures and pHs.

ONE-HOUR AVERAGE CRITERIA FOR TOTAL AMMONIA (mg/L)
Coldwater Aquatic Life Use Classes

| Temperature (°C) | pH | | | | | | | | | | | | |
|------------------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| | 6.6 | 6.8 | 7.0 | 7.2 | 7.4 | 7.6 | 7.8 | 8.0 | 8.2 | 8.4 | 8.6 | 8.8 | 9.0 |
| 0.0 | 31.28 | 28.05 | 24.10 | 19.73 | 15.34 | 11.37 | 8.11 | 5.62 | 3.83 | 2.59 | 1.77 | 1.23 | 0.88 |
| 2.0 | 31.28 | 28.05 | 24.10 | 19.73 | 15.34 | 11.37 | 8.11 | 5.62 | 3.83 | 2.59 | 1.77 | 1.23 | 0.88 |
| 4.0 | 31.28 | 28.05 | 24.10 | 19.73 | 15.34 | 11.37 | 8.11 | 5.62 | 3.83 | 2.59 | 1.77 | 1.23 | 0.88 |
| 6.0 | 31.28 | 28.05 | 24.10 | 19.73 | 15.34 | 11.37 | 8.11 | 5.62 | 3.83 | 2.59 | 1.77 | 1.23 | 0.88 |
| 8.0 | 31.28 | 28.05 | 24.10 | 19.73 | 15.34 | 11.37 | 8.11 | 5.62 | 3.83 | 2.59 | 1.77 | 1.23 | 0.88 |
| 10.0 | 31.28 | 28.05 | 24.10 | 19.73 | 15.34 | 11.37 | 8.11 | 5.62 | 3.83 | 2.59 | 1.77 | 1.23 | 0.88 |
| 12.0 | 31.28 | 28.05 | 24.10 | 19.73 | 15.34 | 11.37 | 8.11 | 5.62 | 3.83 | 2.59 | 1.77 | 1.23 | 0.88 |
| 14.0 | 31.28 | 28.05 | 24.10 | 19.73 | 15.34 | 11.37 | 8.11 | 5.62 | 3.83 | 2.59 | 1.77 | 1.23 | 0.88 |
| 16.0 | 30.30 | 27.17 | 23.35 | 19.11 | 14.86 | 11.02 | 7.85 | 5.44 | 3.71 | 2.51 | 1.72 | 1.19 | 0.86 |
| 18.0 | 25.67 | 23.02 | 19.78 | 16.19 | 12.59 | 9.34 | 6.65 | 4.61 | 3.14 | 2.13 | 1.45 | 1.01 | 0.73 |
| 20.0 | 21.75 | 19.50 | 16.76 | 13.72 | 10.67 | 7.91 | 5.64 | 3.90 | 2.66 | 1.80 | 1.23 | 0.86 | 0.62 |
| 22.0 | 18.43 | 16.52 | 14.20 | 11.62 | 9.04 | 6.70 | 4.78 | 3.31 | 2.25 | 1.53 | 1.04 | 0.73 | 0.52 |
| 24.0 | 15.61 | 14.00 | 12.03 | 9.85 | 7.66 | 5.68 | 4.05 | 2.80 | 1.91 | 1.29 | 0.88 | 0.62 | 0.44 |
| 26.0 | 13.23 | 11.86 | 10.19 | 8.34 | 6.49 | 4.81 | 3.43 | 2.37 | 1.62 | 1.10 | 0.75 | 0.52 | 0.37 |
| 28.0 | 11.21 | 10.05 | 8.64 | 7.07 | 5.50 | 4.08 | 2.90 | 2.01 | 1.37 | 0.93 | 0.63 | 0.44 | 0.32 |
| 30.0 | 9.50 | 8.51 | 7.32 | 5.99 | 4.66 | 3.45 | 2.46 | 1.70 | 1.16 | 0.79 | 0.54 | 0.37 | 0.27 |

003.03A2 Thirty-day average concentration in mg/L not to exceed the numerical value given by

$$CV = 0.8876 \left(\frac{0.0278}{1 + 10^{7.688 - pH}} + \frac{1.1994}{1 + 10^{pH - 7.688}} \right) (2.126 \times 10^{0.028 \times (20 - \text{Maximum of } \{Temp, \text{ or } 7\})})$$

where Temp is °C

003.03A2a The highest four-day average concentration within a thirty-day period shall-is not to exceed 2.5 times the thirty-day criterion.

003.03A2b The following table shows thirty-day average criteria for total ammonia at various temperatures and pHs.

THIRTY-DAY AVERAGE CRITERIA FOR TOTAL AMMONIA (mg/L)
Coldwater Aquatic Life Use Class

| Temperature (°C) | pH | | | | | | | | | | | | |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 6.6 | 6.8 | 7.0 | 7.2 | 7.4 | 7.6 | 7.8 | 8.0 | 8.2 | 8.4 | 8.6 | 8.8 | 9.0 |
| 0.0 | 4.85 | 4.65 | 4.36 | 3.98 | 3.49 | 2.94 | 2.35 | 1.80 | 1.32 | 0.95 | 0.68 | 0.49 | 0.36 |
| 2.0 | 4.85 | 4.65 | 4.36 | 3.98 | 3.49 | 2.94 | 2.35 | 1.80 | 1.32 | 0.95 | 0.68 | 0.49 | 0.36 |
| 4.0 | 4.85 | 4.65 | 4.36 | 3.98 | 3.49 | 2.94 | 2.35 | 1.80 | 1.32 | 0.95 | 0.68 | 0.49 | 0.36 |
| 6.0 | 4.85 | 4.65 | 4.36 | 3.98 | 3.49 | 2.94 | 2.35 | 1.80 | 1.32 | 0.95 | 0.68 | 0.49 | 0.36 |
| 8.0 | 4.54 | 4.36 | 4.09 | 3.73 | 3.28 | 2.75 | 2.20 | 1.68 | 1.24 | 0.89 | 0.64 | 0.46 | 0.34 |
| 10.0 | 3.99 | 3.83 | 3.60 | 3.28 | 2.88 | 2.42 | 1.94 | 1.48 | 1.09 | 0.78 | 0.56 | 0.40 | 0.30 |
| 12.0 | 3.51 | 3.37 | 3.16 | 2.88 | 2.53 | 2.13 | 1.70 | 1.30 | 0.96 | 0.69 | 0.49 | 0.35 | 0.26 |
| 14.0 | 3.09 | 2.96 | 2.78 | 2.53 | 2.23 | 1.87 | 1.50 | 1.14 | 0.84 | 0.61 | 0.43 | 0.31 | 0.23 |
| 16.0 | 2.71 | 2.60 | 2.44 | 2.23 | 1.96 | 1.64 | 1.32 | 1.01 | 0.74 | 0.53 | 0.38 | 0.27 | 0.20 |
| 18.0 | 2.38 | 2.29 | 2.15 | 1.96 | 1.72 | 1.44 | 1.16 | 0.88 | 0.65 | 0.47 | 0.33 | 0.24 | 0.18 |
| 20.0 | 2.10 | 2.01 | 1.89 | 1.72 | 1.51 | 1.27 | 1.02 | 0.78 | 0.57 | 0.41 | 0.29 | 0.21 | 0.16 |
| 22.0 | 1.84 | 1.77 | 1.66 | 1.51 | 1.33 | 1.12 | 0.89 | 0.68 | 0.50 | 0.36 | 0.26 | 0.19 | 0.14 |
| 24.0 | 1.62 | 1.55 | 1.46 | 1.33 | 1.17 | 0.98 | 0.79 | 0.60 | 0.44 | 0.32 | 0.23 | 0.16 | 0.12 |
| 26.0 | 1.42 | 1.37 | 1.28 | 1.17 | 1.03 | 0.86 | 0.69 | 0.53 | 0.39 | 0.28 | 0.20 | 0.14 | 0.11 |
| 28.0 | 1.25 | 1.20 | 1.13 | 1.03 | 0.90 | 0.76 | 0.61 | 0.46 | 0.34 | 0.25 | 0.18 | 0.13 | 0.09 |
| 30.0 | 1.10 | 1.05 | 0.99 | 0.90 | 0.79 | 0.67 | 0.53 | 0.41 | 0.30 | 0.22 | 0.15 | 0.11 | 0.08 |

003.03B Toxic Substances.

003.03B1 The following numerical criteria are not to be exceeded.

| <u>POLLUTANT</u> | <u>CRITERIA (µg/L)</u> | |
|-------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| | <u>Acute</u> | <u>Chronic</u> |
| <u>Metals and Inorganics¹:</u> | | |
| <u>Cadmium²</u> | $(ACF)e^{(0.9789[\ln hardness]-3.866)}$ _a | $(CCF)e^{(0.7977[\ln hardness]-3.909)}$ _b |
| | $(ACF)e^{(1.0166[\ln hardness]-3.924)}$ _a | $(CCF)e^{(0.7409[\ln hardness]-4.719)}$ _b |
| <u>Chromium (III)</u> | $(0.316)e^{(0.819[\ln hardness]+3.7256)}$ _a | $(0.860)e^{(0.819[\ln hardness]+0.6848)}$ _b |
| <u>Chromium (VI)</u> | <u>16^a</u> | <u>11^b</u> |
| <u>Cyanide</u> | <u>22^a</u> | <u>5.2^b</u> |

^a One-hour average concentration

^b Four-day average concentration

¹ Criteria for metals and inorganics apply to dissolved concentrations

² The conversion factors for cadmium are hardness dependent and defined by:

$$ACF = 1.136672 - [\ln hardness (0.041838)]$$

$$CCF = 1.101672 - [\ln hardness (0.041838)]$$

~~003.03B~~003.03C Class A - Coldwater.

These waters provide a habitat which supports natural reproduction of a salmonid (trout) population. These waters also are capable of maintaining year-round populations of a variety of other coldwater fish and associated vertebrate and invertebrate organisms and plants.

~~003.03B~~003.03C1 Dissolved Oxygen.

~~003.03B1a~~003.03C1a One-day minimum of not less than 8.0 ~~mg/L~~ mg/L for salmonid early-life stages. This criterion applies from October 1 through May 31.

003.03B1b003.03C1b One-day minimum of not less than 4.0 ~~mg~~µg/L for all life stages other than salmonid early-life stages. This criterion applies from June 1 through September 30.

003.03B1e003.03C1c Seven-day mean minimum of not less than 5.0 ~~mg~~µg/L. This criterion applies from June 1 through September 30.

003.03B1d003.03C1d Seven-day mean of not less than 9.5 ~~mg~~µg/L for salmonid early-life stages. This criterion applies from October 1 through May 31.

003.03B1e003.03C1e Thirty-day mean of not less than 6.5 ~~mg~~µg/L. This criterion applies from June 1 through September 30.

003.03B2 Toxic Substances:

003.03B2a The following numerical criteria shall not be exceeded:

| <u>POLLUTANT</u> | <u>CRITERIA (ug/l)</u> | |
|-------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|
| | <u>Acute</u> | <u>Chronic</u> |
| <u>Metals and Inorganics¹:</u> | | |
| <u>Cadmium²</u> | $(ACF)e^{(1.0166[\ln hardness]-3.924)}_a$ | $(CCF)e^{(0.7409[\ln hardness]-4.719)}_b$ |
| <u>Chromium (III)</u> | $(0.316)e^{(0.819[\ln hardness]+3.7256)}_a$ | $(0.860)e^{(0.819[\ln hardness]+0.6848)}_b$ |
| <u>Chromium (VI)</u> | 16^a | 11^b |
| <u>Cyanide</u> | 22^a | 5.2^b |

^a ~~One-hour average concentration~~

^b ~~Four-day average concentration~~

¹ ~~Criteria for metals and inorganics apply to dissolved concentrations~~

² ~~The conversion factors for cadmium are hardness dependent and defined by:~~

~~$ACF = 1.136672 - [\ln hardness (0.041838)]$~~

~~$CCF = 1.101672 - [\ln hardness (0.041838)]$~~

003.03C003.03D Class B - Coldwater.

These are waters which provide, or could provide, a habitat capable of maintaining year-round populations of a variety of coldwater fish and associated vertebrate and invertebrate organisms and plants or which support the seasonal migration of salmonids. These waters do not support natural reproduction of salmonid populations due to limitations of flow, substrate composition, or other habitat conditions, but salmonid populations may be maintained year-round if periodically stocked.

003.03C1003.03D1 Dissolved Oxygen.

003.03C1a003.03D1a One-day minimum of not less than 5.0 ~~mg~~4mg/L for coldwater fish early-life stages. This criterion applies from April 1 through June 30.

003.03C1b003.03D1b One-day minimum of not less than 4.0 ~~mg~~4mg/L for all life stages other than coldwater fish early-life stages. This criterion applies from July 1 through March 31.

003.03C1e003.03D1c Seven-day mean minimum of not less than 5.0 ~~mg~~4mg/L. This criterion applies from July 1 through March 31.

003.03C1d003.03D1d Seven-day mean of not less than 6.5 ~~mg~~4mg/L for coldwater fish early-life stages. This criterion applies from April 1 through June 30.

003.03C1e003.03D1e Thirty-day mean of not less than 6.5 ~~mg~~4mg/L. This criterion applies from July 1 through March 31.

003.03C2 Toxic Substances:

003.03C2a The following numerical criteria shall not be exceeded:

| <u>POLLUTANT</u> | <u>CRITERIA (ug/l)</u> | |
|-------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|
| | <u>Acute</u> | <u>Chronic</u> |
| <u>Metals and Inorganics¹:</u> | | |
| <u>Cadmium²</u> | $(ACF)e^{(1.0166[\ln hardness]-3.924)}_a$ | $(CCF)e^{(0.7409[\ln hardness]-4.719)}_b$ |
| <u>Chromium (III)</u> | $(0.316)e^{(0.819[\ln hardness]+3.7256)}_a$ | $(0.860)e^{(0.819[\ln hardness]+0.6848)}_b$ |
| <u>Chromium (VI)</u> | 16^a | 11^b |
| <u>Cyanide</u> | 22^a | 5.2^b |

^a ~~One-hour average concentration~~

^b ~~Four-day average concentration~~

¹ ~~Criteria for metals and inorganics apply to dissolved concentrations~~

² ~~The conversion factors for cadmium are hardness dependent and defined by:~~

~~$ACF = 1.136672 - [\ln hardness (0.041838)]$~~

~~$CCF = 1.101672 - [\ln hardness (0.041838)]$~~

003.04 Warmwater Aquatic Life Use Class Specific Criteria.

These are waters which provide, or could provide, a habitat consisting of sufficient water volume or flow, water quality, and other characteristics such as substrate composition which are capable of maintaining year-round populations of warmwater biota. Warmwater biota are considered to be life forms in waters where temperatures frequently exceed 25°C (77°F).

| 003.04A Total Ammonia (as nitrogen).

| 003.04A1 One-hour average concentration in mg/L not to exceed the numerical value given by

$$AV = 0.7249 \left(\frac{0.0114}{1 + 10^{7.204 - pH}} + \frac{1.6181}{1 + 10^{pH - 7.204}} \right) \\ \times \text{Minimum of } \{51.93, \text{ or } 23.12(10^{0.036(20 - Temp)})\}$$

where Temp is °C

| 003.04A1a The following table shows one-hour average criteria for total ammonia at various temperatures and pHs.

ONE-HOUR AVERAGE CRITERIA FOR TOTAL AMMONIA (mg/L)
 Warmwater Aquatic Life Use Classes

| Temperature (°C) | pH | | | | | | | | | | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|--|
| | 6.6 | 6.8 | 7.0 | 7.2 | 7.4 | 7.6 | 7.8 | 8.0 | 8.2 | 8.4 | 8.6 | 8.8 | 9.0 | |
| 0.0 | 48.86 | 43.80 | 37.65 | 30.81 | 23.96 | 17.77 | 12.66 | 8.77 | 5.97 | 4.05 | 2.77 | 1.92 | 1.38 | |
| 2.0 | 48.86 | 43.80 | 37.65 | 30.81 | 23.96 | 17.77 | 12.66 | 8.77 | 5.97 | 4.05 | 2.77 | 1.92 | 1.38 | |
| 4.0 | 48.86 | 43.80 | 37.65 | 30.81 | 23.96 | 17.77 | 12.66 | 8.77 | 5.97 | 4.05 | 2.77 | 1.92 | 1.38 | |
| 6.0 | 48.86 | 43.80 | 37.65 | 30.81 | 23.96 | 17.77 | 12.66 | 8.77 | 5.97 | 4.05 | 2.77 | 1.92 | 1.38 | |
| 8.0 | 48.86 | 43.80 | 37.65 | 30.81 | 23.96 | 17.77 | 12.66 | 8.77 | 5.97 | 4.05 | 2.77 | 1.92 | 1.38 | |
| 10.0 | 48.86 | 43.80 | 37.65 | 30.81 | 23.96 | 17.77 | 12.66 | 8.77 | 5.97 | 4.05 | 2.77 | 1.92 | 1.38 | |
| 12.0 | 42.22 | 37.85 | 32.53 | 26.62 | 20.70 | 15.35 | 10.94 | 7.58 | 5.16 | 3.50 | 2.39 | 1.66 | 1.19 | |
| 14.0 | 35.77 | 32.07 | 27.56 | 22.56 | 17.54 | 13.01 | 9.27 | 6.42 | 4.37 | 2.97 | 2.02 | 1.41 | 1.01 | |
| 16.0 | 30.30 | 27.17 | 23.35 | 19.11 | 14.86 | 11.02 | 7.85 | 5.44 | 3.71 | 2.51 | 1.72 | 1.19 | 0.86 | |
| 18.0 | 25.67 | 23.02 | 19.78 | 16.19 | 12.59 | 9.34 | 6.65 | 4.61 | 3.14 | 2.13 | 1.45 | 1.01 | 0.73 | |
| 20.0 | 21.75 | 19.50 | 16.76 | 13.72 | 10.67 | 7.91 | 5.64 | 3.90 | 2.66 | 1.80 | 1.23 | 0.86 | 0.62 | |
| 22.0 | 18.43 | 16.52 | 14.20 | 11.62 | 9.04 | 6.70 | 4.78 | 3.31 | 2.25 | 1.53 | 1.04 | 0.73 | 0.52 | |
| 24.0 | 15.61 | 14.00 | 12.03 | 9.85 | 7.66 | 5.68 | 4.05 | 2.80 | 1.91 | 1.29 | 0.88 | 0.62 | 0.44 | |
| 26.0 | 13.23 | 11.86 | 10.19 | 8.34 | 6.49 | 4.81 | 3.43 | 2.37 | 1.62 | 1.10 | 0.75 | 0.52 | 0.37 | |
| 28.0 | 11.21 | 10.05 | 8.64 | 7.07 | 5.50 | 4.08 | 2.90 | 2.01 | 1.37 | 0.93 | 0.63 | 0.44 | 0.32 | |
| 30.0 | 9.50 | 8.51 | 7.32 | 5.99 | 4.66 | 3.45 | 2.46 | 1.70 | 1.16 | 0.79 | 0.54 | 0.37 | 0.27 | |

Effective Date: _____

003.04A2 Thirty-day average concentration in mg/lmg/L not to exceed the numerical value given by

$$CV = 0.8876 \left(\frac{0.0278}{1 + 10^{7.688 - pH}} + \frac{1.1994}{1 + 10^{pH - 7.688}} \right) (2.126 \times 10^{0.028 \times (20 - \text{Maximum of } \{Temp, \text{ or } 7\})})$$

where Temp is °C

003.04A2a The highest four-day average concentration within a thirty-day period shall-is not to exceed 2.5 times the thirty-day criterion.

003.04A2b The following table shows thirty-day average criteria for total ammonia at various temperatures and pHs.

THIRTY-DAY AVERAGE CRITERIA FOR TOTAL AMMONIA (mg/L)
 Warmwater Aquatic Life Use Classes

| Temperature (°C) | pH | | | | | | | | | | | | |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 6.6 | 6.8 | 7.0 | 7.2 | 7.4 | 7.6 | 7.8 | 8.0 | 8.2 | 8.4 | 8.6 | 8.8 | 9.0 |
| 0.0 | 4.85 | 4.65 | 4.36 | 3.98 | 3.49 | 2.94 | 2.35 | 1.80 | 1.32 | 0.95 | 0.68 | 0.49 | 0.36 |
| 2.0 | 4.85 | 4.65 | 4.36 | 3.98 | 3.49 | 2.94 | 2.35 | 1.80 | 1.32 | 0.95 | 0.68 | 0.49 | 0.36 |
| 4.0 | 4.85 | 4.65 | 4.36 | 3.98 | 3.49 | 2.94 | 2.35 | 1.80 | 1.32 | 0.95 | 0.68 | 0.49 | 0.36 |
| 6.0 | 4.85 | 4.65 | 4.36 | 3.98 | 3.49 | 2.94 | 2.35 | 1.80 | 1.32 | 0.95 | 0.68 | 0.49 | 0.36 |
| 8.0 | 4.54 | 4.36 | 4.09 | 3.73 | 3.28 | 2.75 | 2.20 | 1.68 | 1.24 | 0.89 | 0.64 | 0.46 | 0.34 |
| 10.0 | 3.99 | 3.83 | 3.60 | 3.28 | 2.88 | 2.42 | 1.94 | 1.48 | 1.09 | 0.78 | 0.56 | 0.40 | 0.30 |
| 12.0 | 3.51 | 3.37 | 3.16 | 2.88 | 2.53 | 2.13 | 1.70 | 1.30 | 0.96 | 0.69 | 0.49 | 0.35 | 0.26 |
| 14.0 | 3.09 | 2.96 | 2.78 | 2.53 | 2.23 | 1.87 | 1.50 | 1.14 | 0.84 | 0.61 | 0.43 | 0.31 | 0.23 |
| 16.0 | 2.71 | 2.60 | 2.44 | 2.23 | 1.96 | 1.64 | 1.32 | 1.01 | 0.74 | 0.53 | 0.38 | 0.27 | 0.20 |
| 18.0 | 2.38 | 2.29 | 2.15 | 1.96 | 1.72 | 1.44 | 1.16 | 0.88 | 0.65 | 0.47 | 0.33 | 0.24 | 0.18 |
| 20.0 | 2.10 | 2.01 | 1.89 | 1.72 | 1.51 | 1.27 | 1.02 | 0.78 | 0.57 | 0.41 | 0.29 | 0.21 | 0.16 |
| 22.0 | 1.84 | 1.77 | 1.66 | 1.51 | 1.33 | 1.12 | 0.89 | 0.68 | 0.50 | 0.36 | 0.26 | 0.19 | 0.14 |
| 24.0 | 1.62 | 1.55 | 1.46 | 1.33 | 1.17 | 0.98 | 0.79 | 0.60 | 0.44 | 0.32 | 0.23 | 0.16 | 0.12 |
| 26.0 | 1.42 | 1.37 | 1.28 | 1.17 | 1.03 | 0.86 | 0.69 | 0.53 | 0.39 | 0.28 | 0.20 | 0.14 | 0.11 |
| 28.0 | 1.25 | 1.20 | 1.13 | 1.03 | 0.90 | 0.76 | 0.61 | 0.46 | 0.34 | 0.25 | 0.18 | 0.13 | 0.09 |
| 30.0 | 1.10 | 1.05 | 0.99 | 0.90 | 0.79 | 0.67 | 0.53 | 0.41 | 0.30 | 0.22 | 0.15 | 0.11 | 0.08 |

Effective Date: _____

003.04B Toxic Substances.

003.04B1 The following numerical criteria are not to be exceeded.

| <u>POLLUTANT</u> | <u>CRITERIA (µg/L)</u> | |
|-------------------------------------------|---------------------------------------------------|---------------------------------------------------|
| | <u>Acute</u> | <u>Chronic</u> |
| <u>Metals and Inorganics¹:</u> | | |
| <u>Cadmium²</u> | $(ACF)e^{(0.9789[\ln hardness]-3.421)}$ <u>a</u> | $(CCF)e^{(0.7977[\ln hardness]-3.909)}$ <u>b</u> |
| | $(ACF)e^{(1.0166[\ln hardness]-2.849)}$ <u>a</u> | $(CCF)e^{(0.7409[\ln hardness]-4.719)}$ <u>b</u> |
| <u>Chromium (III)</u> | $(0.316)e^{(0.819[\ln hardness]+3.764)}$ <u>a</u> | $(0.860)e^{(0.819[\ln hardness]+0.724)}$ <u>b</u> |
| <u>Chromium (VI)</u> | <u>16^a</u> | <u>11^b</u> |
| <u>Cyanide</u> | <u>41.3^a</u> | <u>9.8^b</u> |

^a One-hour average concentration

^b Four-day average concentration

¹ Criteria for metals and inorganics apply to dissolved concentrations

² The conversion factors for cadmium are hardness dependent and defined by:

$$ACF = 1.136672 - [\ln hardness (0.041838)]$$

$$CCF = 1.101672 - [\ln hardness (0.041838)]$$

003.04B003.04C Class A - Warmwater.

These waters provide, or could provide, a habitat suitable for maintaining one or more identified key species on a year-round basis. These waters also are capable of maintaining year-round populations of a variety of other warmwater fish and associated vertebrate and invertebrate organisms and plants.

003.04B1003.04C1 Dissolved Oxygen.

003.04B1a003.04C1a One-day minimum of not less than 5.0 ~~mg/L~~ mg/L for early-life stages. This criterion applies from April 1 through September 30.

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~~003.04B1b~~003.04C1b One-day minimum of not less than 3.0 ~~mg/L~~mg/L for all life stages other than early-life stages. This criterion applies from October 1 through March 31.

~~003.04B1c~~003.04C1c Seven-day mean minimum of not less than 4.0 ~~mg/L~~mg/L. This criterion applies from October 1 through March 31.

~~003.04B1d~~003.04C1d Seven-day mean of not less than 6.0 ~~mg/L~~mg/L for early-life stages. This criterion applies from April 1 through September 30.

~~003.04B1e~~003.04C1e Thirty-day mean of not less than 5.5 ~~mg/L~~mg/L. This criterion applies from October 1 through March 31.

003.04B2 Toxic Substances:

003.04B2a The following numerical criteria shall not be exceeded:

| <u>POLLUTANT</u> | <u>CRITERIA (ug/l)</u> | |
|-------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|
| | <u>Acute</u> | <u>Chronic</u> |
| <u>Metals and Inorganics¹:</u> | | |
| <u>Cadmium²</u> | (ACF)e^(1.0166[lnhardness]-2.849)_a | (CCF)e^(0.7409[lnhardness]-4.719)_b |
| <u>Chromium (III)</u> | (0.316)e^(0.819[lnhardness]+3.764)_a | (0.860)e^(0.819[lnhardness]+0.724)_b |
| <u>Chromium (VI)</u> | 16 ^a | 11 ^b |
| <u>Cyanide</u> | 41.3 ^a | 9.8 ^b |

^a ~~One-hour average concentration~~

^b ~~Four-day average concentration~~

¹ ~~Criteria for metals and inorganics apply to dissolved concentrations~~

² ~~The conversion factors for cadmium are hardness dependent and defined by:~~

~~ACF = 1.136672 - [ln hardness (0.041838)]~~

~~CCF = 1.101672 - [ln hardness (0.041838)]~~

003.04C003.04D Class B - Warmwater.

These are waters where the variety of warmwater biota is presently limited by water volume or flow, water quality (natural or irretrievable human-induced conditions), substrate composition, or other habitat conditions. These waters are only capable of maintaining year-round populations of tolerant warmwater fish and associated vertebrate and invertebrate organisms and plants. Key species may be supported on a seasonal or intermittent basis (e.g., during high flows) but year-round populations cannot be maintained.

003.04C1003.04D1 Dissolved Oxygen.

003.04C1a003.04D1a One-day minimum of not less than 5.0 ~~mg/L~~mg/L for early-life stages. This criterion applies from April 1 through September 30.

003.04C1b003.04D1b One-day minimum of not less than 3.0 ~~mg/L~~mg/L for all life stages other than early-life stages. This criterion applies from October 1 through March 31.

003.04C1e003.04D1c Seven-day mean minimum of not less than 4.0 ~~mg/L~~mg/L. This criterion applies from October 1 through March 31.

003.04C1d003.04D1d Seven-day mean of not less than 6.0 ~~mg/L~~mg/L for early-life stages. This criterion applies from April 1 through September 30.

003.04C1e003.04D1e Thirty-day mean of not less than 5.5 ~~mg/L~~mg/L. This criterion applies from October 1 through March 31.

003.04C2 Toxics Substances:

003.04C2a The following numerical criteria shall not be exceeded:

| <u>POLLUTANT</u> | <u>CRITERIA (ug/l)</u> | |
|-------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|
| | <u>Acute</u> | <u>Chronic</u> |
| <u>Metals and Inorganics¹:</u> | | |
| <u>Cadmium²</u> | $(ACF)e^{(1.0166[\ln hardness]-2.849)}_{-a}$ | $(CCF)e^{(0.7409[\ln hardness]-4.719)}_{-b}$ |
| <u>Chromium (III)</u> | $(0.316)e^{(0.819[\ln hardness]+3.764)}_{-a}$ | $(0.860)e^{(0.819[\ln hardness]+0.724)}_{-b}$ |
| <u>Chromium (VI)</u> | 16^a | 11^b |
| <u>Cyanide</u> | 41.3^a | 9.8^b |

^a ~~One-hour average concentration~~

^b ~~Four-day average concentration~~

¹ ~~Criteria for metals and inorganics apply to dissolved concentrations~~

² ~~The conversion factors for cadmium are hardness dependent and defined by:~~

~~$ACF = 1.136672 - [\ln hardness (0.041838)]$~~

~~$CCF = 1.101672 - [\ln hardness (0.041838)]$~~

003.05 Nutrient Criteria for Lakes and Impounded Waters.

The following criteria associated with various nutrient classifications ~~shall~~ apply to lakes or impounded waters according to codes listed in Chapter 6. Criteria are based on seasonal averages from April 1 through September 30. Eastern Lakes and Impounded Waters are located within the Big Blue, Little Blue, Elkhorn, Lower Platte, Missouri Tributaries, and Nemaha River Basins. Western Lakes and Impounded Waters are located within the Loup, Middle Platte, Niobrara, North Platte, Republican, South Platte, and White River-Hat Creek Basins. Natural Sandhill Lakes ~~shall~~ are not ~~be~~ subject to these criteria as they exist in a relatively undisturbed condition.

Chlorophyll *a* represents the desired biological condition (response) and is generally influenced by the amount of phosphorus and nitrogen (cause). Thus, if the chlorophyll *a* criterion is met, total phosphorus or total nitrogen values above the listed values will not be considered to violate their respective criteria.

| Lake or Impounded Waters Classification | Codes | Total Phosphorus (µg/Lug/l) | Total Nitrogen (µg/Lug/l) | Chlorophyll <i>a</i> (µg/Lug/l) |
|-----------------------------------------|-------|---------------------------------------------|-------------------------------------------|-------------------------------------------------|
| Eastern Lakes and Impounded Waters: | E | 50 | 1000 | 10 |
| Western Lakes and Impounded Waters: | W | 40 | 800 | 8 |
| Natural Sandhill Lakes: | SH | --- | --- | --- |

004 Water Supply.

004.01 Public Drinking Water.

These are surface waters which serve as a public drinking water supply. These waters must be treated (e.g., coagulation, sedimentation, filtration, chlorination) before the water is suitable for human consumption. After treatment, these waters are suitable for drinking water, food processing, and similar uses.

004.01A General Criteria.

Wastes or toxic substances introduced directly or indirectly by human activity in concentrations that would degrade the use (i.e., would produce undesirable physiological effects in humans) ~~shall~~will not be allowed.

004.01B Numerical Criteria.

Numerical criteria for the parameters listed below ~~shall~~are not to be exceeded. Any substance introduced directly or indirectly by human activity ~~shall~~is not to be allowed to enter surface water if one or more of the following numerical standards would be exceeded. The numerical standards listed below are intended to protect beneficial use of public drinking water supply. If the natural background level of a parameter is greater than the numerical standard, this ~~shall~~will not in and of itself prohibit the use of the surface water. If the natural background level of a parameter is greater than the numerical standard listed below, the background level ~~shall~~is to be used in place of the numerical criteria.

| <u>POLLUTANT</u> | <u>NUMERICAL LIMIT</u> | <u>CAS #</u> |
|-----------------------------------------------------------------------------------------|---------------------------------------------------------|--------------|
| Inorganics: | | |
| Antimony ^b | 0.0056 <u>mg/lmg/L</u> | 7440-36-0 |
| Arsenic ^{eb} | 0.010 <u>0.00018 mg/lmg/L</u> | 7440-38-2 |
| Asbestos ^c | 7 million fibers/liter with fiber length >10 microns | 1332-21-4 |
| Barium ^{ea} | 2.0 <u>1.0 mg/lmg/L</u> | 7440-39-3 |
| Beryllium ^c | 0.004 <u>mg/lmg/L</u> | 7440-41-7 |
| Cadmium ^c | 0.005 <u>mg/lmg/L</u> | 7440-43-9 |
| Chromium ^c | 0.1 <u>mg/lmg/L</u> | 7439-92-1 |
| Cyanide (as free cyanide) ^{ba} | 0.14 <u>0.004 mg/lmg/L</u> | 57-12-5 |
| Fluoride ^c | 4.0 <u>mg/lmg/L</u> | 7681-49-4 |
| Mercury ^c | 0.002 <u>mg/lmg/L</u> | 7439-97-6 |
| Nitrate-nitrogen ^c | 10 <u>mg/lmg/L</u> | 14797-55-8 |
| Nitrite-nitrogen ^c | 1 <u>mg/lmg/L</u> | 14797-65-0 |
| Selenium ^c | 0.05 <u>mg/lmg/L</u> | 7782-49-2 |
| Thallium ^b | 0.00024 <u>mg/lmg/L</u> | 7440-28-0 |
| Organics: | | |
| Alachlor ^c | 0.002 <u>mg/lmg/L</u> | 15972-60-8 |
| Atrazine ^c | 0.003 <u>mg/lmg/L</u> | 1912-24-9 |
| Benzene ^{ea} | 0.005 <u>0.003 mg/lmg/L</u> | 71-43-2 |
| Benzo(a)pyrene ^b | 0.000038 <u>0.000012</u> <u>mg/lmg/L</u> | 50-32-8 |
| Carbofuran ^c | 0.04 <u>mg/lmg/L</u> | 1563-66-2 |
| Carbon tetrachloride ^b | 0.0023 <u>0.004 mg/lmg/L</u> | 56-23-5 |
| Chlorobenzene ^c | 0.1 <u>mg/lmg/L</u> | 108-90-7 |
| Chlordane ^b | 0.000008 <u>0.000031</u> <u>mg/lmg/L</u> | 57-74-9 |
| cis-1,2-Dichloroethylene ^c | 0.07 <u>mg/lmg/L</u> | 156-59-2 |
| Dalapon ^c | 0.2 <u>mg/lmg/L</u> | 75-99-0 |
| Dibromochloropropane (DBCP) ^c | 0.0002 <u>mg/lmg/L</u> | 96-12-8 |
| Dichloromethane ^c | 0.005 <u>mg/lmg/L</u> | 75-09-2 |
| Di(2-ethylhexyl)adipate <u>or</u> <u>Bis(2-ethylhexyl) adipate</u> ^c | 0.4 <u>mg/lmg/L</u> | 103-23-1 |
| Di(2-ethylhexyl)phthalate <u>or</u> <u>Bis(2-Ethylhexyl) Phthalate</u> ^{eb} | 0.006 <u>0.0032 mg/lmg/L</u> | 117-81-7 |

| <u>POLLUTANT</u> | <u>NUMERICAL LIMIT</u> | <u>CAS #</u> |
|-----------------------------------------|-------------------------------------------------|--------------|
| Dinoseb ^c | 0.007 <u>mg/lmg/L</u> | 88-85-7 |
| Dioxin (2,3,7,8-TCDD) ^b | 0.00000000005 <u>mg/lmg/L</u> | 1746-01-6 |
| Diquat ^c | 0.02 <u>mg/lmg/L</u> | 85-00-7 |
| Endothall ^c | 0.1 <u>mg/lmg/L</u> | 145-73-3 |
| Endrin ^a | <u>0.000059-0.00003 mg/lmg/L</u> | 72-20-8 |
| Ethylbenzene ^a | <u>0.53-0.068 mg/lmg/L</u> | 100-41-4 |
| Ethylene dibromide ^c | 0.00005 <u>mg/lmg/L</u> | 106-93-4 |
| Glyphosate ^c | 0.7 <u>mg/lmg/L</u> | 1071-53-6 |
| Heptachlor ^b | <u>0.00000079-0.00000059</u> <u>mg/lmg/L</u> | 76-44-8 |
| Heptachlor epoxide ^b | <u>0.00000039-0.00000032</u> <u>mg/lmg/L</u> | 1024-57-3 |
| Hexachlorobenzene ^b | <u>0.0000028-0.00000079</u> <u>mg/lmg/L</u> | 118-74-1 |
| Hexachlorocyclopentadiene ^a | <u>0.04-0.004 mg/lmg/L</u> | 77-47-4 |
| Lindane ^c | 0.0002 <u>mg/lmg/L</u> | 58-89-9 |
| Methoxychlor ^{ea} | <u>0.04-0.00002 mg/lmg/L</u> | 72-43-5 |
| o-Dichlorobenzene ^{ac} | <u>0.42-0.6 mg/lmg/L</u> | 95-50-1 |
| Oxamyl (Vydate) ^c | 0.2 <u>mg/lmg/L</u> | 23135-22-0 |
| 2,4,5-TP Silvex ^c | 0.05 <u>mg/lmg/L</u> | 93-72-1 |
| 2,4-D ^c | 0.07 <u>mg/lmg/L</u> | 94-75-7 |
| PCB's ^b | 0.00000064 <u>mg/lmg/L</u> | ----- |
| Pentachlorophenol ^{eb} | <u>0.001-0.0003 mg/lmg/L</u> | 87-86-5 |
| Picloram ^c | 0.5 <u>mg/lmg/L</u> | 1918-02-1 |
| Simazine ^c | 0.004 <u>mg/lmg/L</u> | 122-34-9 |
| Styrene ^c | 0.1 <u>mg/lmg/L</u> | 100-42-5 |
| trans-1,2-Dichloroethylene ^c | 0.1 <u>mg/lmg/L</u> | 156-60-5 |
| 1,2,4-Trichlorobenzene ^{eb} | <u>0.035-0.00071 mg/lmg/L</u> | 120-82-1 |
| Trichloroethylene ^{ea} | <u>0.005-0.003 mg/lmg/L</u> | 79-01-6 |
| Tetrachloroethylene ^c | 0.005 <u>mg/lmg/L</u> | 127-18-4 |
| Toluene ^{ea} | <u>1.0-0.057 mg/lmg/L</u> | 108-88-3 |
| Total trihalomethanes ^c | 0.1 <u>mg/lmg/L</u> | ----- |
| Toxaphene ^b | <u>0.0000028-0.000007</u> <u>mg/lmg/L</u> | 8001-35-2 |
| Vinyl chloride ^b | <u>0.00025-0.00022 mg/lmg/L</u> | 75-01-4 |
| Xylenes ^c | 10.0 <u>mg/lmg/L</u> | 1330-20-7 |
| 1,2-Dichloropropane ^c | 0.005 <u>mg/lmg/L</u> | 78-87-5 |

| <u>POLLUTANT</u> | <u>NUMERICAL LIMIT</u> | <u>CAS #</u> |
|---------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------|
| 1,2-Dichloroethane ^{bc} | 0.0038-0.005 <u>mg/lmg/L</u> | 107-06-2 |
| 1,1-Dichloroethylene ^c | 0.007 <u>mg/lmg/L</u> | 156-59-2 <u>75-35-4</u> |
| 1,1,1-Trichloroethane ^c | 0.2 <u>mg/lmg/L</u> | 71-55-6 |
| 1,1,2-Trichloroethane ^c | 0.005 <u>mg/lmg/L</u> | 79-00-5 |
| p-Dichlorobenzene ^{ac} | 0.063-0.075 <u>mg/lmg/L</u> | 106-46-7 |
| Radionuclides: | | |
| Beta particles and photon emitters ^c | 4 millirems per year | ----- |
| Combined radium-226 and radium-228 ^c | 5 pCi/l | ----- |
| Gross alpha particle activity (including radium-226 but excluding radon and uranium) ^c | 15 pCi/l | ----- |
| Uranium ^c | 0.030 <u>mg/lmg/L</u> | 7440-61-1 |
| Other Parameters Affecting Use: | | |
| Aluminum ^d | 0.2 <u>mg/lmg/L</u> | 7429-90-5 |
| Chloride ^d | 250 <u>mg/lmg/L</u> | 16887-00-6 |
| Copper ^d | 1 <u>mg/lmg/L</u> | 7440-50-8 |
| Foaming Agents (methylene-blue active substances) ^d | 0.5 <u>mg/lmg/L</u> | ----- |
| Iron ^d | 0.3 <u>mg/lmg/L</u> | 7439-89-6 |
| Manganese ^d | 0.05 <u>mg/lmg/L</u> | 7439-96-5 |
| Silver ^d | 0.10 <u>mg/lmg/L</u> | 7440-22-4 |
| Sulfate ^d | 250 <u>mg/lmg/L</u> | 14808-79-8 |
| Total Dissolved Solids ^d | 500 <u>mg/lmg/L</u> | ----- |
| Zinc ^d | 5 <u>mg/lmg/L</u> | 7440-66-6 |
| Other Priority Pollutants | | |
| Nickel ^a | 0.61 <u>mg/lmg/L</u> | 7440-02-0 |
| Acrolein ^a | 0.006-0.003 <u>mg/lmg/L</u> | 107-02-8 |
| Acrylonitrile ^b | 0.00051-0.00061 <u>mg/lmg/L</u> | 107-13-1 |

| <u>POLLUTANT</u> | <u>NUMERICAL LIMIT</u> | <u>CAS #</u> |
|-------------------------------------------------------|--------------------------------------|-------------------|
| Bromoform ^b | <u>0.043-0.07 mg/lmg/L</u> | 75-25-2 |
| Chlorodibromomethane ^b | <u>0.004-0.008 mg/lmg/L</u> | 124-48-1 |
| Chloroform ^{ba} | <u>0.057-0.06 mg/lmg/L</u> | 67-66-3 |
| Dichlorobromomethane ^b | <u>0.0055-0.0095 mg/lmg/L</u> | 75-27-4 |
| 1,3-Dichloropropene ^b | <u>0.0034-0.0027 mg/lmg/L</u> | 542-75-6 |
| Methyl Bromide ^a | <u>0.047-0.1 mg/lmg/L</u> | 74-83-9 |
| Methylene Chloride ^{ba} | <u>0.046-0.04 mg/lmg/L</u> | 75-09-2 |
| 1,1,2,2-Tetrachloroethane ^b | <u>0.0017-0.002 mg/lmg/L</u> | 79-34-5 |
| 2-Chlorophenol ^a | <u>0.081-0.03 mg/lmg/L</u> | 95-57-8 |
| 2,4-Dichlorophenol ^a | <u>0.077-0.01 mg/lmg/L</u> | 120-83-2 |
| 2,4-Dimethylphenol ^a | <u>0.38-0.1 mg/lmg/L</u> | 105-67-9 |
| 2-Methyl-4,6-Dinitrophenol ^a | <u>0.013-0.002 mg/lmg/L</u> | 534-52-1 |
| <u>Dinitrophenols ^a</u> | <u>0.01 mg/L</u> | <u>25550-58-7</u> |
| 2,4-Dinitrophenol ^a | <u>0.069-0.01 mg/lmg/L</u> | 51-28-5 |
| Phenol ^a | <u>10-4 mg/lmg/L</u> | 108-95-2 |
| <u>2,4,5-Trichlorophenol ^a</u> | <u>0.3 mg/L</u> | <u>95-95-4</u> |
| 2,4,6-Trichlorophenol ^{ba} | <u>0.014-0.003 mg/lmg/L</u> | 88-06-2 |
| <u>3-Methyl-4-Chlorophenol ^a</u> | <u>0.5 mg/L</u> | <u>59-50-7</u> |
| Acenaphthene ^a | <u>0.67-0.07 mg/lmg/L</u> | 83-32-9 |
| Anthracene ^a | <u>8.3-0.3 mg/lmg/L</u> | 120-12-7 |
| Benzidine ^b | <u>0.00000086-0.0000014 mg/lmg/L</u> | 92-87-5 |
| Benzo(a)Anthracene ^b | <u>0.000038-0.000012 mg/lmg/L</u> | 56-55-3 |
| Benzo(b)Fluoranthene ^b | <u>0.000038-0.000012 mg/lmg/L</u> | 205-99-2 |
| Benzo(k)Fluoranthene ^b | <u>0.000038-0.00012 mg/lmg/L</u> | 207-08-9 |
| Bis(2-Chloroethyl) Ether ^b | <u>0.0003 mg/lmg/L</u> | 111-44-4 |
| <u>Bis(2-Chloroisopropyl) Ether</u> | <u>1.4-0.2 mg/lmg/L</u> | 108-60-1 |
| <u>Bis(2-Chloro-1-methylethyl) Ether ^a</u> | | |
| <u>Bis(Chloromethyl) Ether ^b</u> | <u>0.000015 mg/L</u> | <u>542-88-1</u> |
| Butylbenzyl Phthalate ^{ab} | <u>1.5-0.001 mg/lmg/L</u> | 85-68-7 |
| 2-Chloronaphthalene ^a | <u>1.0-0.8 mg/lmg/L</u> | 91-58-7 |
| Chrysene ^b | <u>0.000038-0.0012 mg/lmg/L</u> | 218-01-9 |
| Dibenzo(a,h)Anthracene ^b | <u>0.000038-0.000012 mg/lmg/L</u> | 53-70-3 |

| <u>POLLUTANT</u> | <u>NUMERICAL LIMIT</u> | <u>CAS #</u> |
|-------------------------------------------------------------|----------------------------------------|-----------------|
| 1,3-Dichlorobenzene ^a | <u>0.32-0.007 mg/lmg/L</u> | 541-73-1 |
| 3,3'-Dichlorobenzidine ^b | <u>0.00021-0.00049 mg/lmg/L</u> | 91-94-1 |
| Diethyl Phthalate ^a | <u>17-0.6 mg/lmg/L</u> | 84-66-2 |
| Dimethyl Phthalate ^a | <u>270-2.0 mg/lmg/L</u> | 131-11-3 |
| Di-n-Butyl Phthalate ^a | <u>2-0-0.02 mg/lmg/L</u> | 84-74-2 |
| 2,4-Dinitro-toluene ^b | <u>0.0011-0.00049 mg/lmg/L</u> | 121-14-2 |
| 1,2-Diphenylhydrazine ^b | <u>0.00036-0.0003 mg/lmg/L</u> | 122-66-7 |
| Fluoranthene ^a | <u>0.13-0.02 mg/lmg/L</u> | 206-44-0 |
| Fluorene ^a | <u>1-1-0.05 mg/lmg/L</u> | 86-73-7 |
| Hexachlorobutadiene ^{ba} | <u>0.0044-0.00002 mg/lmg/L</u> | 87-68-3 |
| <u>Hexachlorocyclohexane (HCH) – Technical ^b</u> | <u>0.000066 mg/L</u> | <u>608-73-1</u> |
| Hexachloroethane ^{ba} | <u>0.014-0.0007 mg/lmg/L</u> | 67-72-1 |
| Indeno (1,2,3-cd)Pyrene ^b | <u>0.000038-0.000012 mg/lmg/L</u> | 193-39-5 |
| Isophorone ^b | <u>0.35-0.34 mg/lmg/L</u> | 78-59-1 |
| Nitrobenzene ^a | <u>0.017-0.01 mg/lmg/L</u> | 98-95-3 |
| N-Nitrosodimethylamine ^b | <u>0.0000069 mg/lmg/L</u> | 62-75-9 |
| N-Nitrosodi-n-Propylamine ^b | <u>0.00005 mg/lmg/L</u> | 621-64-7 |
| N--Nitrosodiphenylamine ^b | <u>0.033 mg/lmg/L</u> | 86-30-6 |
| <u>Pentachlorobenzene ^a</u> | <u>0.0001 mg/L</u> | <u>608-93-5</u> |
| Pyrene ^a | <u>0.83-0.02 mg/lmg/L</u> | 129-00-0 |
| Aldrin ^b | <u>0.00000049-0.000000077 mg/lmg/L</u> | 309-00-2 |
| <u>alpha-BHC</u> | <u>0.000026-0.0000036 mg/lmg/L</u> | 319-84-6 |
| <u>alpha-Hexachlorocyclohexane (HCH)-^b</u> | <u>0.000091-0.00008 mg/lmg/L</u> | 319-85-7 |
| <u>beta-BHC</u> | <u>0.000091-0.00008 mg/lmg/L</u> | 319-85-7 |
| <u>beta-Hexachlorocyclohexane (HCH) ^b</u> | <u>0.000022-0.0000003 mg/lmg/L</u> | 50-29-3 |
| 4,4'-DDT ^b | <u>0.000022-0.0000018 mg/lmg/L</u> | 72-55-9 |
| 4,4'-DDE ^b | <u>0.000031-0.000012 mg/lmg/L</u> | 72-54-8 |
| 4,4'-DDD ^b | <u>0.000031-0.000012 mg/lmg/L</u> | 72-54-8 |

| <u>POLLUTANT</u> | <u>NUMERICAL LIMIT</u> | <u>CAS #</u> |
|---------------------------------|--------------------------------------------------------|--------------|
| Dieldrin ^b | 0.00000052 <u>0.00000012</u> <u>mg/L</u> | 60-57-1 |
| alpha-Endosulfan ^a | 0.062 <u>0.02</u> <u>mg/L</u> | 959-98-8 |
| beta-Endosulfan ^a | 0.062 <u>0.02</u> <u>mg/L</u> | 33213-65-9 |
| Endosulfan Sulfate ^a | 0.062 <u>0.02</u> <u>mg/L</u> | 1031-07-8 |
| Endrin Aldehyde ^a | 0.00029 <u>0.001</u> <u>mg/L</u> | 7421-93-4 |

^a Human health criteria based on the consumption of water, fish and other aquatic organisms

^b Human health criteria at the 10⁻⁵ risk level for carcinogens based on the consumption of water, fish and other aquatic organisms

^c Primary Drinking Water MCL

^d Secondary Drinking Water Standard

Title 117

Chapter 4

004.02 Agricultural.

004.02A General Criteria.

Wastes or toxic substances introduced directly or indirectly by human activity in concentrations that would degrade the use (i.e., would produce undesirable physiological effects in crops or livestock) ~~shall~~will not be allowed.

004.02B Class A - Agricultural.

These are waters used for general agricultural purposes (e.g., irrigation and livestock watering) without treatment.

004.02B1 Conductivity.

Not to exceed 2,000 umhos/cm between April 1 and September 30.

004.02B2 Nitrate and Nitrite as Nitrogen.

Not to exceed 100 ~~mg~~mg/L.

004.02B3 Selenium.

Not to exceed 0.02 ~~mg~~mg/L.

004.02C Class B - Agricultural.

These are waters where the natural background water quality limits its use for agricultural purposes. No water quality criteria are assigned to protect this use.

004.03 Industrial.

These are waters used for commercial or industrial purposes such as cooling water, hydroelectric power generation, or nonfood processing water; with or without treatment. Water quality criteria to protect this use will vary with the type of industry involved. Where water quality criteria are necessary to protect this use, site-specific criteria will be developed.

Title 117

Chapter 4

005 Aesthetics.

This use applies to all surface waters of the state. To be aesthetically acceptable, waters ~~shall~~are to be free from human-induced pollution which causes: 1) noxious odors; 2) floating, suspended, colloidal, or settleable materials that produce objectionable films, colors, turbidity, or deposits; and 3) the occurrence of undesirable or nuisance aquatic life (e.g., algal blooms). Surface waters ~~shall~~are also to be free of junk, refuse, and discarded dead animals.

Enabling Legislation: Neb. Rev. Stat. ~~§~~81-1505(1)(2)

Legal Citation: Title 117, Ch. 4, Nebraska Department of Environmental Quality

NEBRASKA ADMINISTRATIVE CODE

Title 117 - NEBRASKA DEPARTMENT OF ENVIRONMENTAL QUALITY

Chapter 5 - STREAM CLASSIFICATION BY BASIN

~~001~~ Maps showing the location of each stream segment are included with the basin tables.

~~002~~-001 Beneficial uses are assigned to each designated segment in the basin tables. The water quality criteria in Chapter 4 associated with the assigned uses are applicable to each segment. These criteria are also applicable to segment tributaries, as necessary, to protect a segment's assigned uses if the tributary is not a designated segment. Assigned uses also apply to lakes and impounded waters located on designated segments unless those lakes or impounded waters are identified in Chapter 6. Lakes and impounded waters referenced in this Chapter are protected for beneficial uses as listed in Chapter 6.

~~003~~-002 The following species codes are used in the basin tables to identify the key species which typically occur in a stream segment.

| <u>Species Code</u> | <u>Common Name</u> |
|---------------------|--------------------------------------|
| 1 | Lake sturgeon |
| 2 | Pallid sturgeon |
| 3 | Northern redbelly dace |
| 4 | Northern Pearl-pearl dace |
| 5 | Finescale dace |
| 6 | Blacknose shiner |
| 7 | Lake chub |
| 8 | Brook Stickleback |
| 9 | Iowa darter |
| 10 | Johnny darter |
| 11 | Orangethroat darter |
| 12 | Blacknose dace |
| 13 | Grass pickerel |
| 14 | Pumpkinseed |
| 15 | Golden shiner |
| 16 | Common shiner |
| 17 | Topeka shiner |
| 18 | Sturgeon chub |

| <u>Species Code</u> | <u>Common Name</u> |
|---------------------|-------------------------------|
| 19 | Scaleshell mussel |
| <u>20</u> | <u>American eel</u> |
| <u>21</u> | <u>Black buffalo</u> |
| <u>22</u> | <u>Blue sucker</u> |
| <u>23</u> | <u>Bluntnose minnow</u> |
| <u>24</u> | <u>Bowfin</u> |
| <u>25</u> | <u>Burbot</u> |
| <u>26</u> | <u>Fatmucket</u> |
| <u>27</u> | <u>Flat floater</u> |
| <u>28</u> | <u>Flathead chub</u> |
| <u>29</u> | <u>Pimpleback</u> |
| <u>30</u> | <u>Plain pocketbook</u> |
| <u>31</u> | <u>Plains minnow</u> |
| <u>32</u> | <u>Sicklefin chub</u> |
| <u>33</u> | <u>Tadpole madtom</u> |
| <u>34</u> | <u>Threeridge</u> |
| <u>35</u> | <u>Western silvery minnow</u> |
| <u>36</u> | <u>Yellow sandshell</u> |
| a | Shovelnose sturgeon |
| b | Paddlefish |
| c | Brook trout |
| d | Brown trout |
| e | Rainbow trout |
| f | Northern pike |
| g | Muskellunge |
| h | Blue catfish |
| i | Channel catfish |
| j | Flathead catfish |
| k | Striped bass |
| l | White bass |
| m | Rock bass |
| n | Largemouth bass |
| o | Smallmouth bass |
| p | Spotted bass |
| q | Redear sunfish |
| r | Bluegill |
| s | Black crappie |

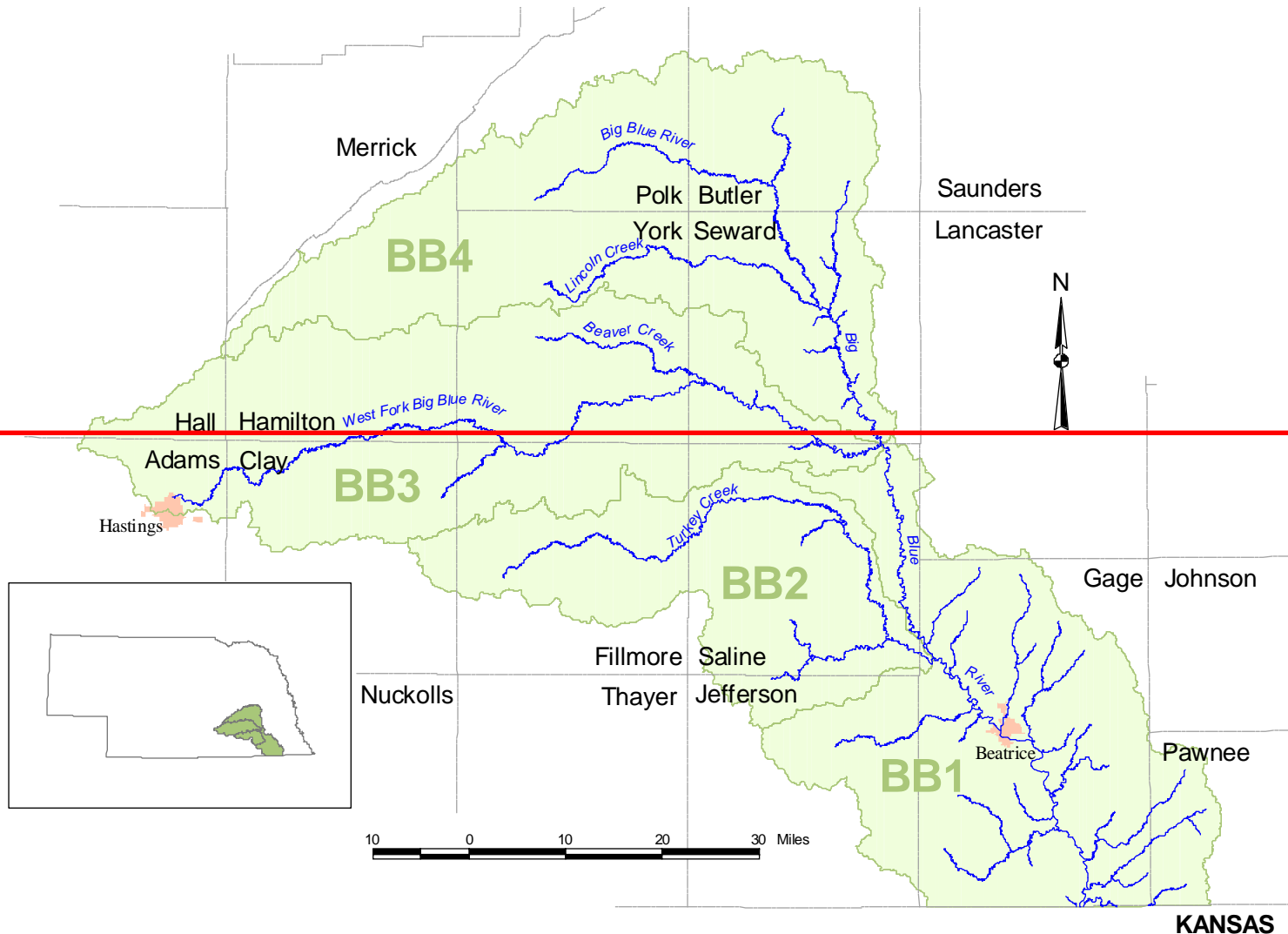
Title 117

Chapter 5

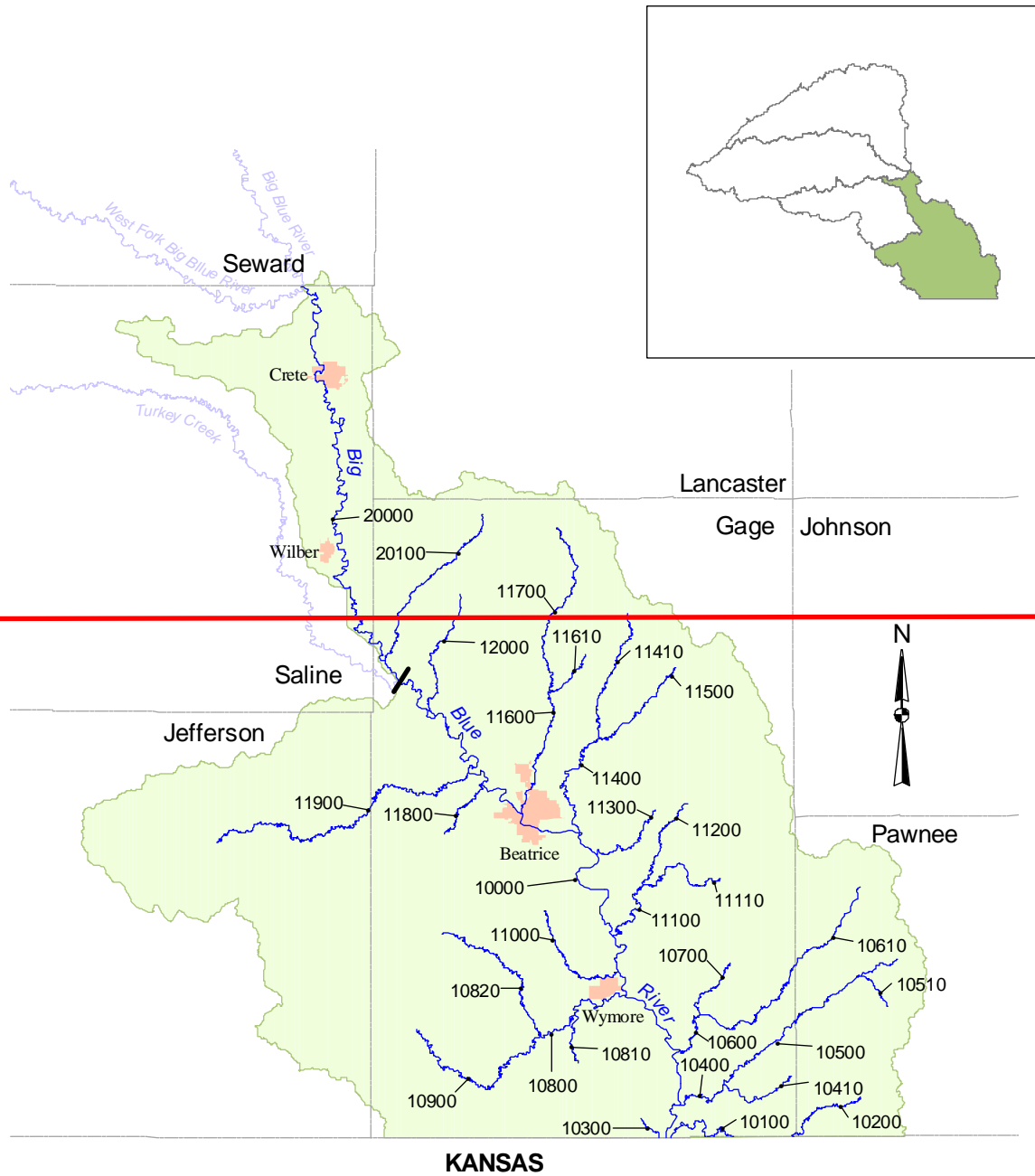
| <u>Species Code</u> | <u>Common Name</u> |
|---------------------|--------------------|
| t | White crappie |
| u | Yellow perch |
| v | Sauger |
| w | Walleye |

004-003 The following basin tables show designated stream segments, assigned beneficial uses, and other stream classifications.

Effective Date:



BIG BLUE RIVER BASIN (and Subbasins)



Subbasin BB1

Effective Date: _____

RIVER BASIN: Big Blue

Subbasin: BB1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|------------------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|--------------|-------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Big Blue River - Turkey Creek to Nebraska-Kansas border (Sec 35-1N-7E) | 10000 | | ● | | A* | | A | | ● | 26, 33, i, j | Sensitive Species |
| Mission Creek - Nebraska-Kansas border (Sec 33-1N-8E) to Nebraska-Kansas border (Sec 35-1N-7E) | 10100 | | ● | | A | | A | | ● | 26, 33, i, j | Sensitive Species |
| Mission Creek - Headwaters to Nebraska-Kansas border (Sec 31-1N-9E) | 10200 | | | | B | | A | | ● | | |
| Spring Creek - Headwaters to Nebraska-Kansas border (Sec 35-1N-7E) | 10300 | | | | A | | A | | ● | 11, 26, 33 | Sensitive Species |
| Plum Creek - Arkeketa Creek to Big Blue River | 10400 | | | | A | | A | | ● | 26, 33, i | Sensitive Species |
| Arkeketa Creek | 10410 | | | | B | | A | | ● | 26, 33 | Sensitive Species |
| Plum Creek - Headwaters to Arkeketa Creek | 10500 | | | | B | | A | | ● | 26, 33 | Sensitive Species |
| Tipps Creek | 10510 | | | | B | | A | | ● | | |
| Wildcat Creek - Wolf Creek to Big Blue River | 10600 | | | | A | | A | | ● | 26, 33, i | Sensitive Species |
| Wolf Creek | 10610 | | | | B | | A | | ● | 26, 33 | Sensitive Species |
| Wildcat Creek - Headwaters to Wolf Creek | 10700 | | | | B | | A | | ● | 26, 33 | Sensitive Species |
| Big Indian Creek - Sicily Creek to Big Blue River | 10800 | | ● | | A | | A | | ● | 26, 33, i | Sensitive Species |
| Otoe Creek | 10810 | | | | B | | A | | ● | | |
| Sicily Creek | 10820 | | | | B | | A | | ● | i | |
| Big Indian Creek - Headwaters to Sicily Creek | 10900 | | | | B | | A | | ● | i | |
| Bills Creek | 11000 | | | | B | | A | | ● | 26, 33 | Sensitive Species |
| Mud Creek - Bloody Run to Big Blue River | 11100 | | | | B | | A | | ● | 26, 33, i | Sensitive Species |
| Bloody Run | 11110 | | | | B | | A | | ● | 26, 33 | Sensitive Species |
| Mud Creek - Headwaters to Bloody Run | 11200 | | | | B | | A | | ● | 26, 33 | Sensitive Species |

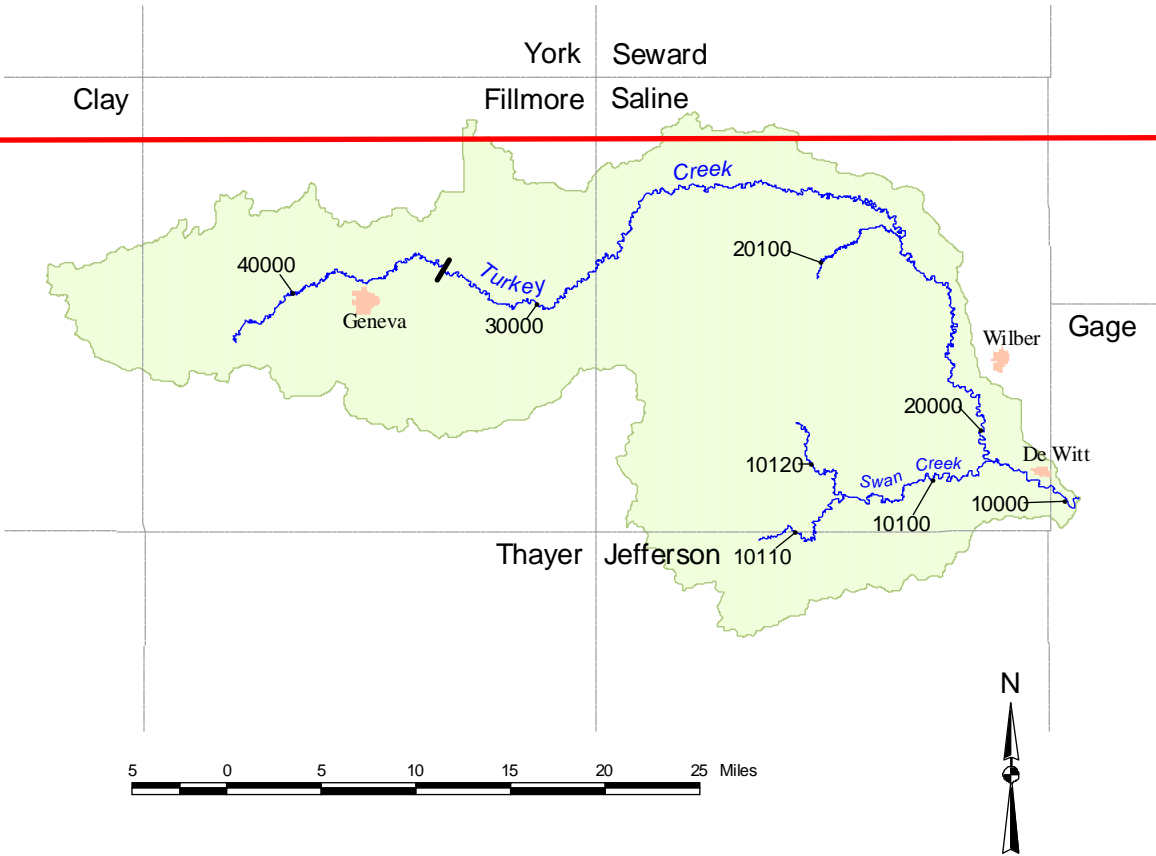
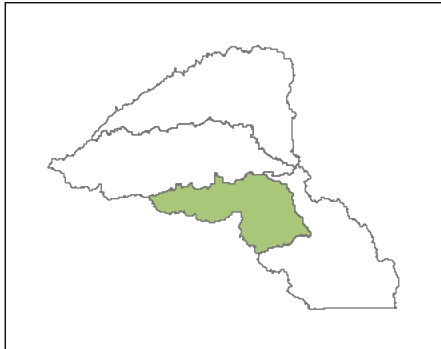
*Site-specific water quality criteria for ammonia are assigned (see Chapter 4, 003.02B).

RIVER BASIN: Big Blue

Subbasin: BB1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS |
|-----------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|-------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL |  |  |  | INDUSTRIAL |
| Cedar Creek | 11300 | | | | B | | A | | ● | 26, 33,i Sensitive Species |
| Bear Creek - Pierce Creek to Big Blue River | 11400 | | | | A | | A | | ● | 26, 33,i Sensitive Species |
| Pierce Creek | 11410 | | | | B | | A | | ● | |
| Bear Creek - Headwaters to Pierce Creek | 11500 | | | | B | | A | | ● | |
| Indian Creek - Town Creek to Big Blue River | 11600 | | | | B | | A | | ● | 33 Sensitive Species |
| Town Creek | 11610 | | | | B | | A | | ● | |
| Indian Creek - Headwaters to Town Creek | 11700 | | | | B | | A | | ● | |
| Bottle Creek | 11800 | | | | B | | A | | ● | 33 Sensitive Species |
| Cub Creek | 11900 | | | | A | | A | | ● | 33,i Sensitive Species |
| Soap Creek | 12000 | | | | B | | A | | ● | 33 Sensitive Species |
| Turkey Creek (see subbasin BB2) | ----- | | | | | | | | | |
| Big Blue River - West Fork Big Blue River to Turkey Creek | 20000 | | ● | | A± | | A | | ● | 29, 33, i,j Sensitive Species |
| Clatonia Creek | 20100 | | | | B | | A | | ● | 33 Sensitive Species |
| West Fork Big Blue River (see subbasin BB3) | ----- | | | | | | | | | |

*Site-specific water quality criteria for ammonia are assigned (see Chapter 4, 003.02B).



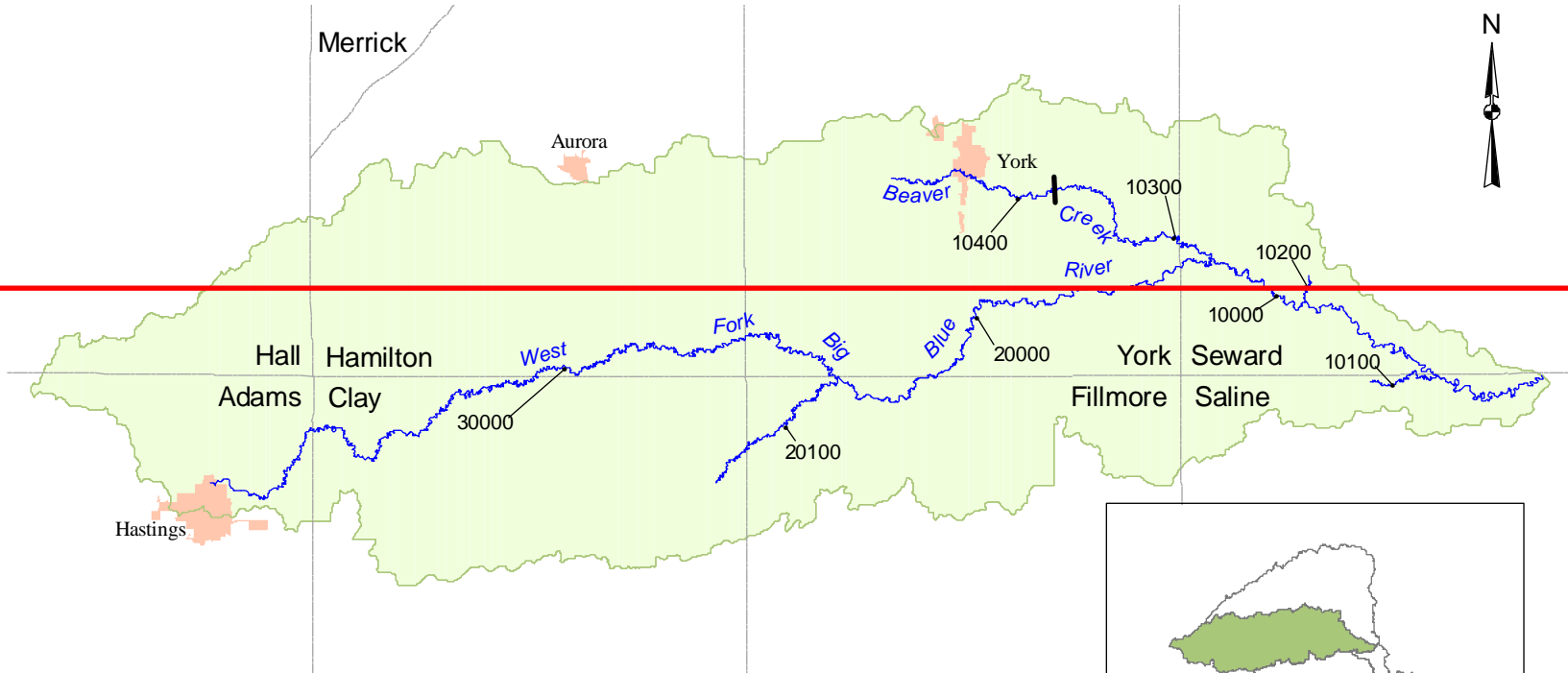
Subbasin BB2

RIVER BASIN: Big Blue

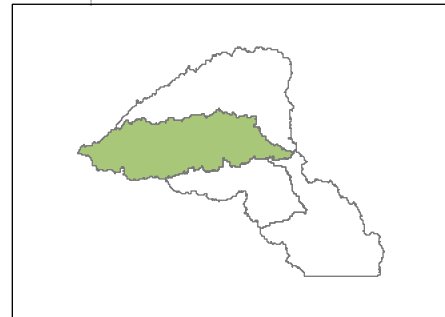
Subbasin: BB2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS |
|-----------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|---------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL |  |  |  | INDUSTRIAL |
| Turkey Creek - Swan Creek to Big Blue River | 10000 | | ● | | A | | A | | ● | 33, i, j Sensitive Species |
| Swan Creek - Confluence of North and South Fork Swan Creeks to Turkey Creek | 10100 | | | | A | | A | | ● | 33, i Sensitive Species |
| South Fork Swan Creek | 10110 | | | | B | | A | | ● | |
| North Fork Swan Creek | 10120 | | | | B | | A | | ● | |
| Turkey Creek - Spring Creek to Swan Creek | 20000 | | ● | | A | | A | | ● | 29, 33, i Sensitive Species |
| Spring Creek | 20100 | | | | B | | A | | ● | 29, 33 Sensitive Species |
| Turkey Creek - Unnamed Creek (Sec 27-7N-2W) to Spring Creek | 30000 | | | | B | | A | | ● | 29, 33 Sensitive Species |
| Turkey Creek - Headwaters to Unnamed Creek (Sec 27-7N-2W) | 40000 | | | | B | | A | | ● | 33 Sensitive Species |

Effective Date:



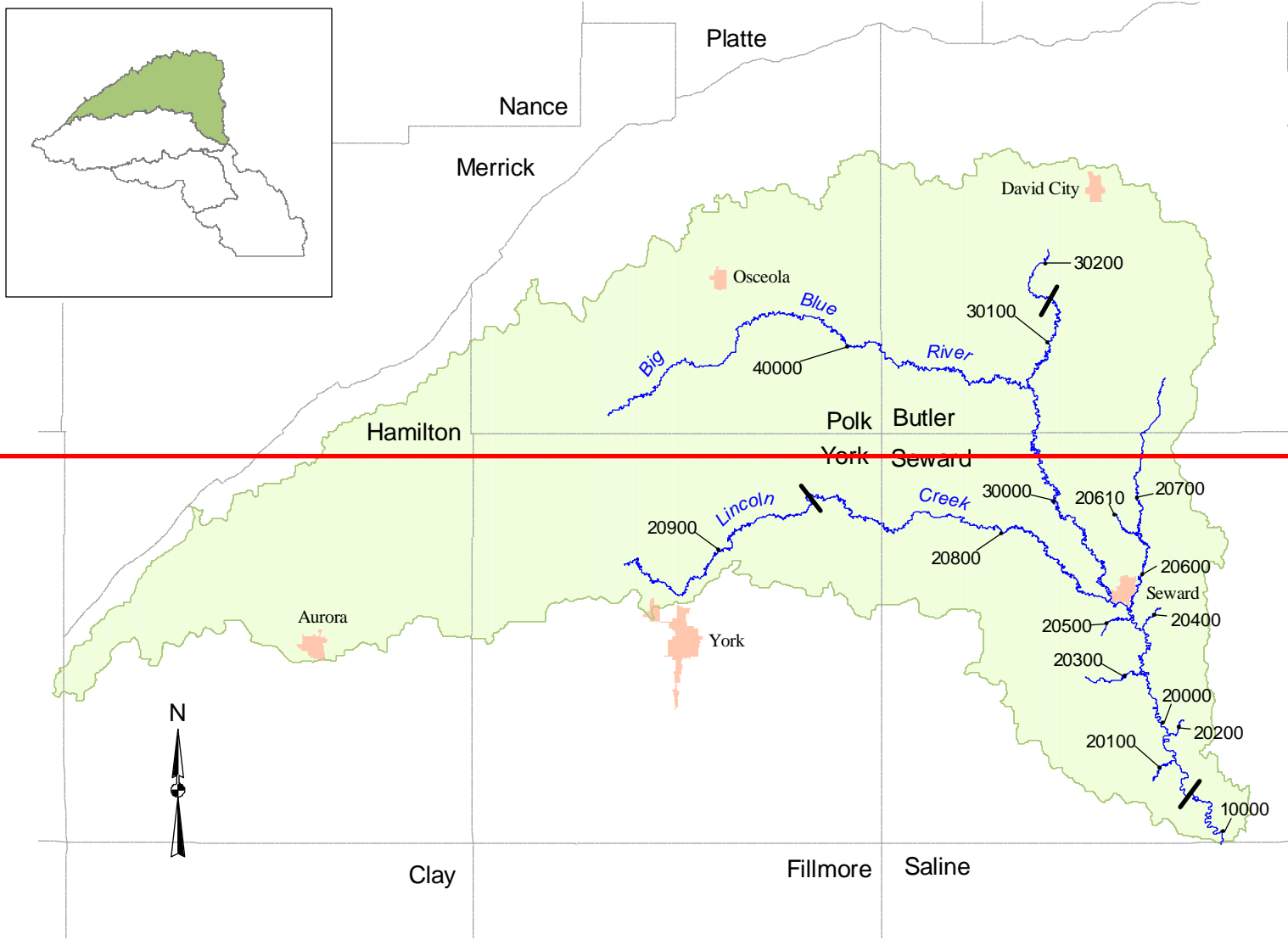
Subbasin BB3



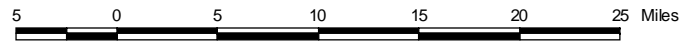
RIVER BASIN: Big Blue

Subbasin: BB3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS |
|--------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|-------------------------|------------|-------------|---------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL INDUSTRIAL | | | |
| West Fork Big Blue River - Beaver Creek to Big Blue River | 10000 | | ● | | A | | A | | ● | 29.33.i,j Sensitive Species |
| Johnson Creek | 10100 | | | | B | | A | | ● | 29.33 Sensitive Species |
| Walnut Creek | 10200 | | | | B | | A | | ● | 29.33 Sensitive Species |
| Beaver Creek - Unnamed Creek (Sec 12-10N-2W) to West Fork Big Blue River | 10300 | | | | B | | A | | ● | 29.33 Sensitive Species |
| Beaver Creek - Headwaters to Unnamed Creek (Sec. 12-10N-2W) | 10400 | | | | B | | A | | ● | 29 Sensitive Species |
| West Fork Big Blue River - School Creek to Beaver Creek | 20000 | | ● | | A | | A | | ● | 29.33.i Sensitive Species |
| School Creek | 20100 | | | | B | | A | | ● | 29.33 Sensitive Species |
| West Fork Big Blue River - Headwaters to School Creek | 30000 | | | | B | | A | | ● | 29.33 Sensitive Species |



Subbasin BB4



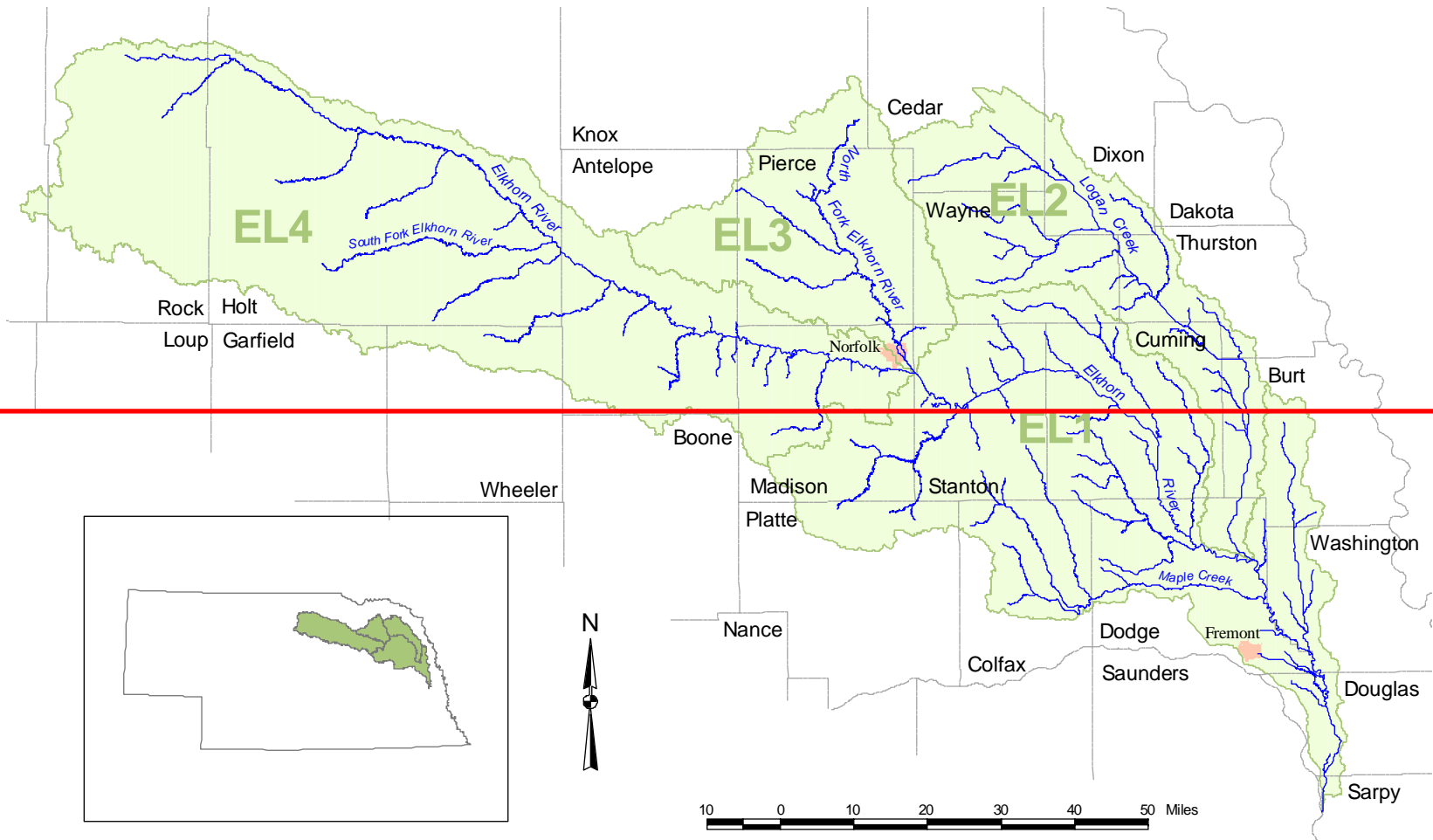
RIVER BASIN: Big Blue

Subbasin: BB4

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|----------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|------------------------------|-----------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Big Blue River - Blue Bluff Dam (Sec 19-9N-4E) to West Fork Big Blue River | 10000 | | ● | | A* | | A | | ● | 29, 33, i, j | Sensitive Species |
| Big Blue River - Lincoln Creek to Blue Bluff Dam (Sec 19-9N-4E) | 20000 | | ● | | A* | | A | | ● | 29, 33, i | Sensitive Species |
| Coon Creek | 20100 | | | | B | | A | | ● | 29, 33 | Sensitive Species |
| Wolf Creek | 20200 | | | | B | | A | | ● | 29, 33 | Sensitive Species |
| Crooked Creek | 20300 | | | | B | | A | | ● | 29, 33 | Sensitive Species |
| Clark Creek | 20400 | | | | B | | A | | ● | 29, 33 | Sensitive Species |
| Unnamed Creek (Sec 28-11N-3E) | 20500 | | | | B | | A | | ● | 29, 33 | Sensitive Species |
| Plum Creek - Big Weedy Creek to Big Blue River | 20600 | | | | B | | A | | ● | 29, 33 | Sensitive Species |
| Big Weedy Creek | 20610 | | | | B | | A | | ● | 33 | Sensitive Species |
| Plum Creek - Headwaters to Big Weedy Creek | 20700 | | | | B | | A | | ● | 33 | Sensitive Species |
| Lincoln Creek - Unnamed Creek (Sec 20-12N-1W) to Big Blue River | 20800 | | | | B | | A | | ● | 29, 33 | Sensitive Species |
| Lincoln Creek - Headwaters to Unnamed Creek (Sec 20-12N-1W) | 20900 | | | | B | | A | | ● | 29 | Sensitive Species |
| Big Blue River - North Fork Big Blue River to Lincoln Creek | 30000 | | | | B | | A | | ● | 29, 33, i | Sensitive Species |
| North Fork Big Blue River - Sec 27-14N-2E to Big Blue River | 30100 | | | | B | | A | | ● | 33 | Sensitive Species |
| North Fork Big Blue River - Headwaters to Sec 27-14N-2E | 30200 | | | | B | | A | | ● | 33 | Sensitive Species |
| Big Blue River - Headwaters to North Fork Big Blue River | 40000 | | | | B | | A | | ● | 33 | Sensitive Species |

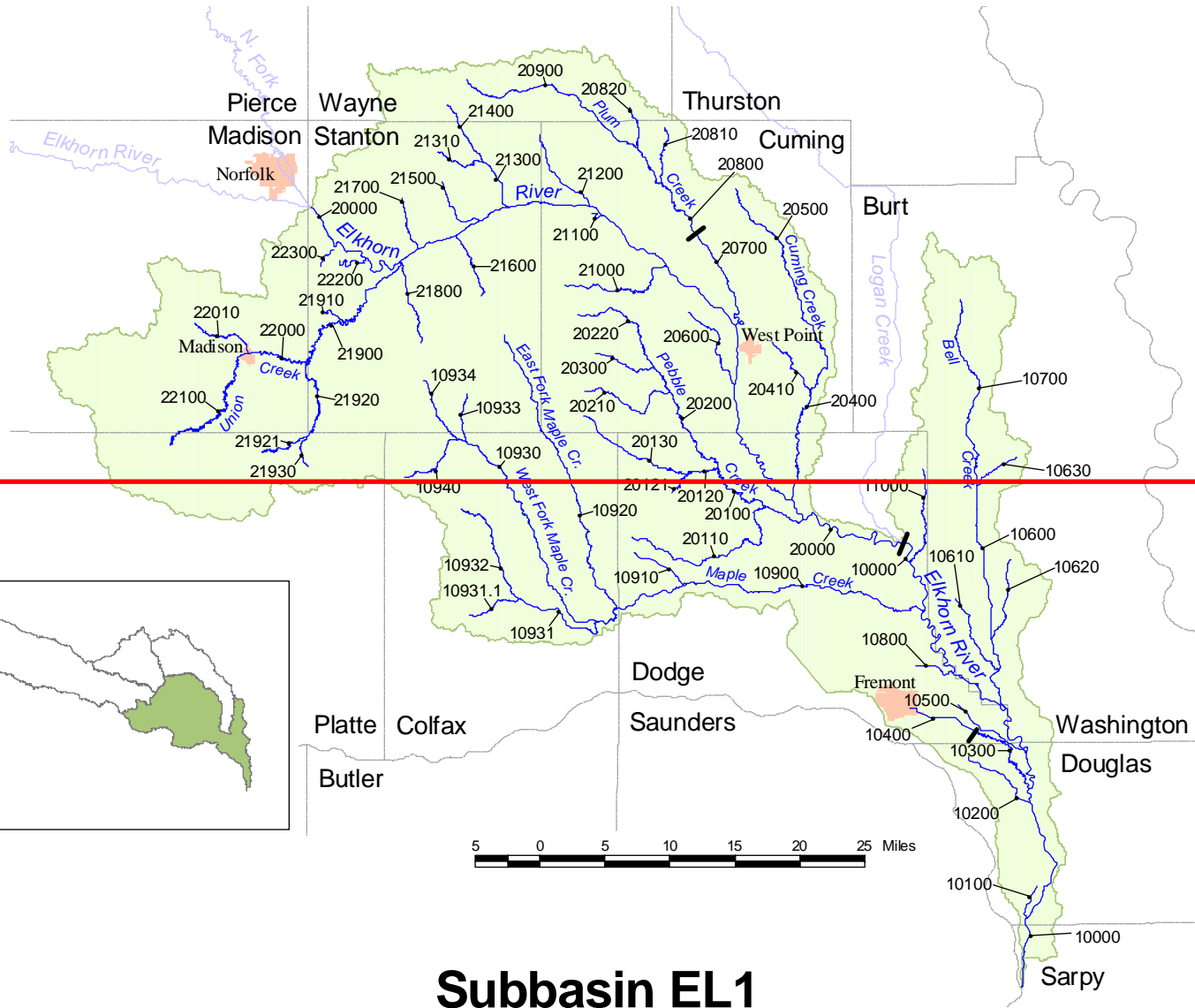
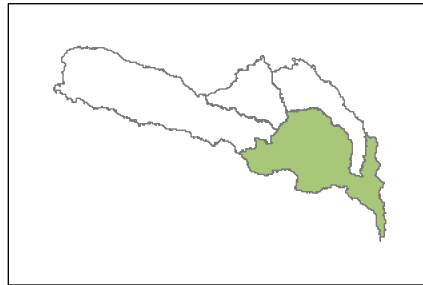
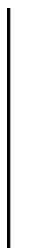
*Site-specific water quality criteria for ammonia are assigned (see Chapter 4, 003.02B).

Effective Date: _____



ELKHORN RIVER BASIN (and Subbasins)

Effective Date:



Subbasin EL1

RIVER BASIN: Elkhorn

Subbasin: EL1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | | |
|---------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL | |
| Elkhorn River - Logan Creek to Platte River | 10000 | | ● | | A* | | A | | | ● | 1.2 , 18 , 22 , 24 , 28 , 31 , 33 , 35 , 36 , i,j | Endangered Species Threatened Species Sensitive Species |
| Unnamed Creek (Sec 9-14N-10E) | 10100 | | | | B | | A | | | ● | 1.2 , 18 , 22 , 24 , 28 , 31 , 33 , 35 | Endangered Species Threatened Species Sensitive Species |
| Big Slough | 10200 | | | | B | | A | | | ● | 1.2 , 18 , 22 , 28 , 31 , 33 , 35 | Endangered Species Threatened Species Sensitive Species |
| Rawhide Creek (old channel, Sec 21-16N-10E) - Sec 35-17N-9E to Elkhorn River | 10300 | | | | A | | A | | | ● | 1.2 , 18 , 22 , 28 , 31 , 33 , 35 , i | Endangered Species Threatened Species Sensitive Species |
| Rawhide Creek (drainage ditch to old channel) - Headwaters to Sec 35-17N-9E | 10400 | | | | B | | A | | | ● | 33 , 35 | Sensitive Species |
| Rawhide Creek (new channel, Sec 4-16N-10E) | 10500 | | | | B | | A | | | ● | 1.2 , 18 , 22 , 28 , 31 , 33 , 35 | Endangered Species Threatened Species Sensitive Species |
| Bell Creek - Unnamed Creek (Sec 26-20N-9E) to Elkhorn River | 10600 | | | | A | | A | | | ● | 1.2 , 18 , 22 , 28 , 31 , 33 , 35 , i | Endangered Species Threatened Species Sensitive Species |
| Brown Creek | 10610 | | | | B | | A | | | ● | 22 , 28 , 31 , 33 , 35 | Sensitive Species |

*Site-specific water quality criteria for ammonia are assigned (see Chapter 4, 003.02B).

RIVER BASIN: Elkhorn

Subbasin: EL1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS |
|------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-----------------------------|---------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | |
| Little Bell Creek | 10620 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 26-20N-9E) | 10630 | | | | B | | A | | ● | | |
| Bell Creek - Headwaters to Unnamed Creek (Sec 26-20N-9E) | 10700 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 4-17N-9E) | 10800 | | | | B | | A | | ● | 1.2, 18, 22, 28, 31, 33, 35 | Endangered Species Threatened Species Sensitive Species |
| Maple Creek - Confluence of East and West Fork Maple Creeks to Elkhorn River | 10900 | | ● | | A | | A | | ● | 18, 22, 28, 31, 33, 35 | Endangered Species Sensitive Species |
| Crystal Creek | 10910 | | | | B | | A | | ● | | |
| East Fork Maple Creek | 10920 | | | | B | | A | | ● | 23 | Sensitive Species |
| West Fork Maple Creek - Unnamed Creek (Sec 1-20N-2E) to Maple Creek | 10930 | | | | B | | A | | ● | 23 | Sensitive Species |
| Dry Creek - South Fork Dry Creek to West Fork Maple Creek | 10931 | | | | B | | A | | ● | | |
| South Fork Dry Creek | 10931.1 | | | | B | | A | | ● | | |
| Dry Creek - Headwaters to South Fork Dry Creek | 10932 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 6-20N-3E) | 10933 | | | | B | | A | | ● | 23 | Sensitive Species |
| Unnamed Creek (Sec 1-20N-2E) | 10934 | | | | B | | A | | ● | 23 | Sensitive Species |
| West Fork Maple Creek - Headwaters to Unnamed Creek (Sec 1-20N-2E) | 10940 | | | | B | | A | | ● | 23 | Sensitive Species |
| Clark Creek | 11000 | | | | B | | A | | ● | 18, 22, 28, 31, 33, 35, 36 | Endangered Species Sensitive Species |
| Logan Creek (see subbasin EL2) | ---- | | | | | | | | | | |

Effective Date: _____

RIVER BASIN: Elkhorn

Subbasin: EL1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|-------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|----------------|-----------------------|--------------|------------|-------------|----------------------------------------------|-----------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Elkhorn River - North Fork Elkhorn River to Logan Creek | 20000 | | ● | | A ² | | A | | ● | 18, 22, 23, 24, 28, 30, 31, 33, 35, 36, i, j | Endangered Species Sensitive Species |
| Pebble Creek - Unnamed Creek (Sec 17-20N-6E) to Elkhorn River | 20100 | | ● | | A | | A | | ● | 22, 23, 28, 31, 33, 35, i | Sensitive Species |
| Silver Creek | 20110 | | | | B | | A | | ● | 22, 28, 31, 33, 35 | Sensitive Species |
| Unnamed Creek (Sec 17-20N-6E) - Unnamed Creek (Sec 24-20N-5E) to Pebble Creek | 20120 | | | | B | | A | | ● | 23 | Sensitive Species |
| Unnamed Creek (Sec 24-20N-5E) | 20121 | | | | B | | A | | ● | 23 | Sensitive Species |
| Unnamed Creek (Sec 17-20N-6E) - Headwaters to Unnamed Creek (Sec 24-20N-5E) | 20130 | | | | B | | A | | ● | 23 | Sensitive Species |
| Pebble Creek - North Branch Pebble Creek to Unnamed Creek (Sec 17-20N-6E) | 20200 | | | | B | | A | | ● | 23, 33, 35 | Sensitive Species |
| South Branch Pebble Creek | 20210 | | | | B | | A | | ● | 23 | Sensitive Species |
| North Branch Pebble Creek | 20220 | | | | B | | A | | ● | 23 | Sensitive Species |
| Pebble Creek - Headwaters to North Branch Pebble Creek | 20300 | | | | B | | A | | ● | 23 | Sensitive Species |
| Cuming Creek - Willow Creek to Elkhorn River | 20400 | | | | B | | A | | ● | 22, 23, 28, 31, 33, 35 | Sensitive Species |
| Willow Creek | 20410 | | | | B | | A | | ● | 23, 33, 35 | Sensitive Species |
| Cuming Creek - Headwaters to Willow Creek | 20500 | | | | B | | A | | ● | 23 | Sensitive Species |

*Site-specific water quality criteria for ammonia are assigned (see Chapter 4, 003.02B).

RIVER BASIN: Elkhorn

Subbasin: EL1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS |
|----------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|----------------------------|-----------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | |
| Fisher Creek | 20600 | | | | B | | A | | ● | 22, 23, 24, 28, 31, 33, 35 | Sensitive Species |
| Plum Creek - Sec 13-23N-5E to Elkhorn River | 20700 | | | | B | | A | | ● | 22, 23, 28, 31, 33, 35 | Sensitive Species |
| Plum Creek - Kane Creek to Sec 13-23N-5E | 20800 | | | | B | | A | | ● | 23 | Sensitive Species |
| Dry Creek | 20810 | | | | B | | A | | ● | 23 | Sensitive Species |
| Kane Creek | 20820 | | | | B | | A | | ● | 23 | Sensitive Species |
| Plum Creek - Headwaters to Kane Creek | 20900 | | | | B | | A | | ● | 23 | Sensitive Species |
| Rock Creek | 21000 | | ● | | A | | A | | ● | 23, 28, 31, 33, 35.i | Sensitive Species |
| Leisy Creek | 21100 | | | | B | | A | | ● | 23, 28, 31, 33, 35 | Sensitive Species |
| Sand Creek | 21200 | | | | B | | A | | ● | 23, 28, 31, 33, 35 | Sensitive Species |
| Humbug Creek - South Humbug Creek to Elkhorn River | 21300 | | | | B | | A | | ● | 23, 28, 31, 33, 35 | Sensitive Species |
| South Humbug Creek | 21310 | | | | B | | A | | ● | 23 | Sensitive Species |
| Humbug Creek - Headwaters to South Humbug Creek | 21400 | | | | B | | A | | ● | 23 | Sensitive Species |
| Payne Creek | 21500 | | | | B | | A | | ● | 23, 28, 31, 33, 35 | Sensitive Species |

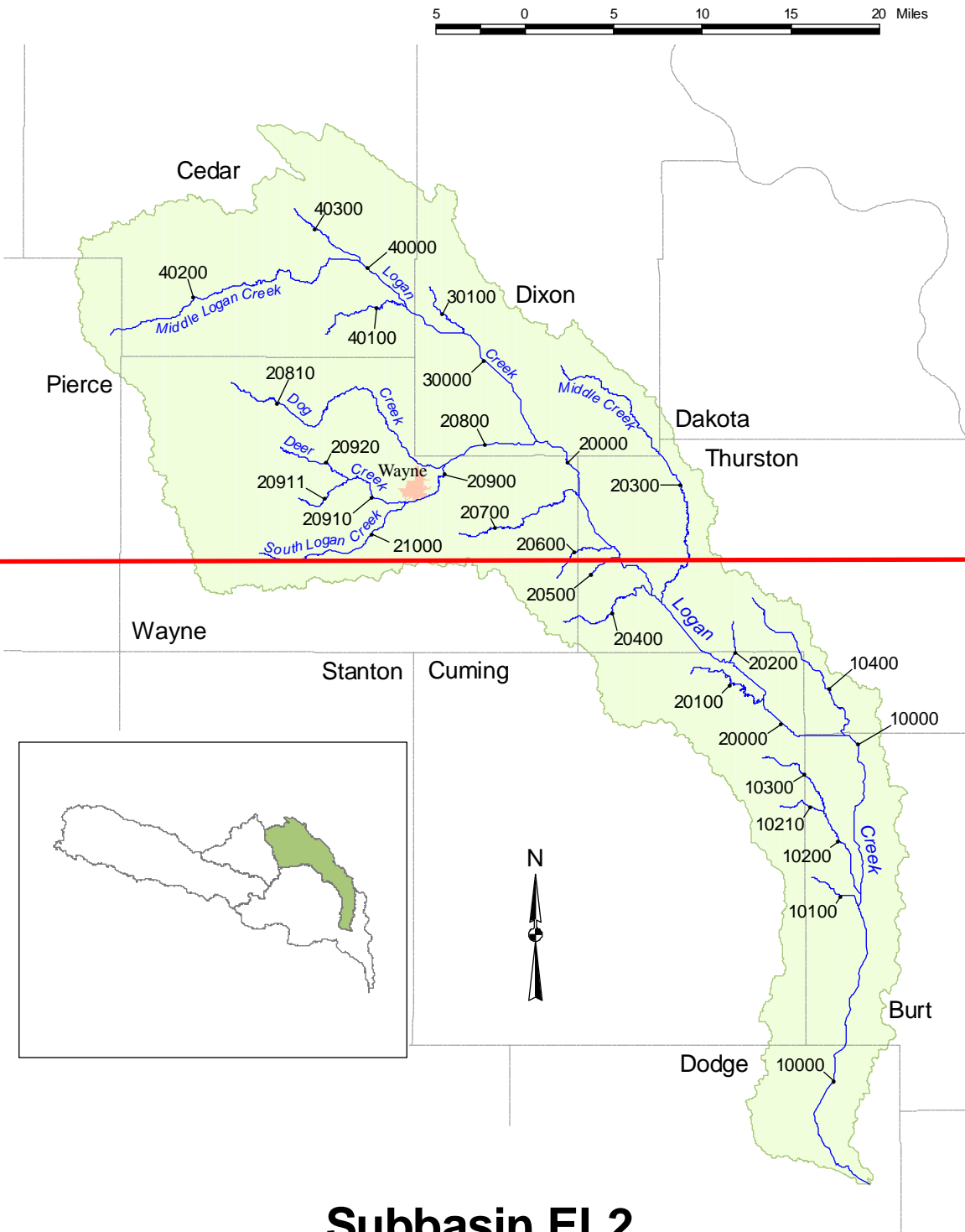
Effective Date: _____

RIVER BASIN: Elkhorn

Subbasin: EL1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|-----------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Cedar Creek | 21600 | | | | B | | A | | ● | 23 , 28 , 31 , 33 , 35 | Sensitive Species |
| Indian Creek | 21700 | | | | B | | A | | ● | 23 , 28 , 31 , 33 , 35 | Sensitive Species |
| Butterfly Creek | 21800 | | | | B | | A | | ● | 23 , 28 , 31 , 33 , 35 | Sensitive Species |
| Union Creek - Meridian Creek to Elkhorn River | 21900 | | ● | | A* | | A | | ● | 17 , 23 , 28 , 31 , 33 , 35 ,i | Endangered Species Sensitive Species |
| Sand Creek | 21910 | | | | B | | A | | ● | 17 , 23 | Endangered Species Sensitive Species |
| Meridian Creek - Tracy Creek to Union Creek | 21920 | | | | B | | A | | ● | 17 , 23 | Endangered Species Sensitive Species |
| Tracy Creek | 21921 | | | | B | | A | | ● | 23 | Sensitive Species |
| Meridian Creek - Headwaters to Tracy Creek | 21930 | | | | B | | A | | ● | 23 | Sensitive Species |
| Union Creek - Taylor Creek to Meridian Creek | 22000 | | ● | | A* | | A | | ● | 17 , 23 ,i | Endangered Species Sensitive Species |
| Taylor Creek | 22010 | | | | B | | A | | ● | 17 , 23 | Endangered Species Sensitive Species |
| Union Creek - Headwaters to Taylor Creek | 22100 | | | | B | | A | | ● | 17 , 23 | Endangered Species Sensitive Species |
| Unnamed Creek (Sec 26-23N-1E) | 22200 | | | | B | | A | | ● | 23 , 28 , 31 , 33 , 35 | Sensitive Species |
| Unnamed Creek (Sec 21-23N-1E) | 22300 | | | | B | | A | | ● | 23 , 28 , 31 , 33 , 35 | Sensitive Species |
| North Fork Elkhorn River (see subbasin EL3) | ----- | | | | | | | | | | |

*Site-specific water quality criteria for ammonia are assigned (see Chapter 4, 003.02B).



Subbasin EL2

RIVER BASIN: Elkhorn

Subbasin: EL2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS | |
|-------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|----------------------------------|-----------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| Logan Creek - Big Slough Creek to Elkhorn River | 10000 | | ● | | A* | | A | | | ● | 18, 22, 23, 28, 31, 33, 35, 36.i | Endangered Species Sensitive Species |
| Unnamed Creek (Sec 23-22N-8E) | 10100 | | | | B | | A | | | ● | 23, 28, 36 | Sensitive Species |
| Little Logan Creek - Unnamed Creek (Sec 21-23N-8E) to Logan Creek | 10200 | | | | B | | A | | | ● | 23, 28, 36 | Sensitive Species |
| Unnamed Creek (Sec 21-23N-8E) | 10210 | | | | B | | A | | | ● | 23, 28, 36 | Sensitive Species |
| Little Logan Creek - Headwaters to Unnamed Creek (Sec 21-23N-8E) | 10300 | | | | B | | A | | | ● | 23, 28, 36 | Sensitive Species |
| Big Slough Creek | 10400 | | | | B | | A | | | ● | 23, 28, 36 | Sensitive Species |
| Logan Creek - South Logan Creek to Big Slough Creek | 20000 | | ● | | A* | | A | | | ● | 23, 28, 36.i | Sensitive Species |
| Rattlesnake Creek (Sec 15-24N-7E, including Stage Creek) | 20100 | | | | B | | A | | | ● | 23, 28, 36 | Sensitive Species |
| Unnamed Creek (Sec 5-24N-7E) | 20200 | | | | B | | A | | | ● | 23, 28 | Sensitive Species |
| Middle Creek | 20300 | | | | B | | A | | | ● | 23, 28 | Sensitive Species |
| Rattlesnake Creek (Sec 16-25N-6E) | 20400 | | | | B | | A | | | ● | 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 6-25N-6E) | 20500 | | | | B | | A | | | ● | 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 31-26N-6E) | 20600 | | | | B | | A | | | ● | 23, 28 | Sensitive Species |
| Coon Creek | 20700 | | | | B | | A | | | ● | 23, 28 | Sensitive Species |
| South Logan Creek - Dog Creek to Logan Creek | 20800 | | ● | | A* | | A | | | ● | 23, 28.i | Sensitive Species |

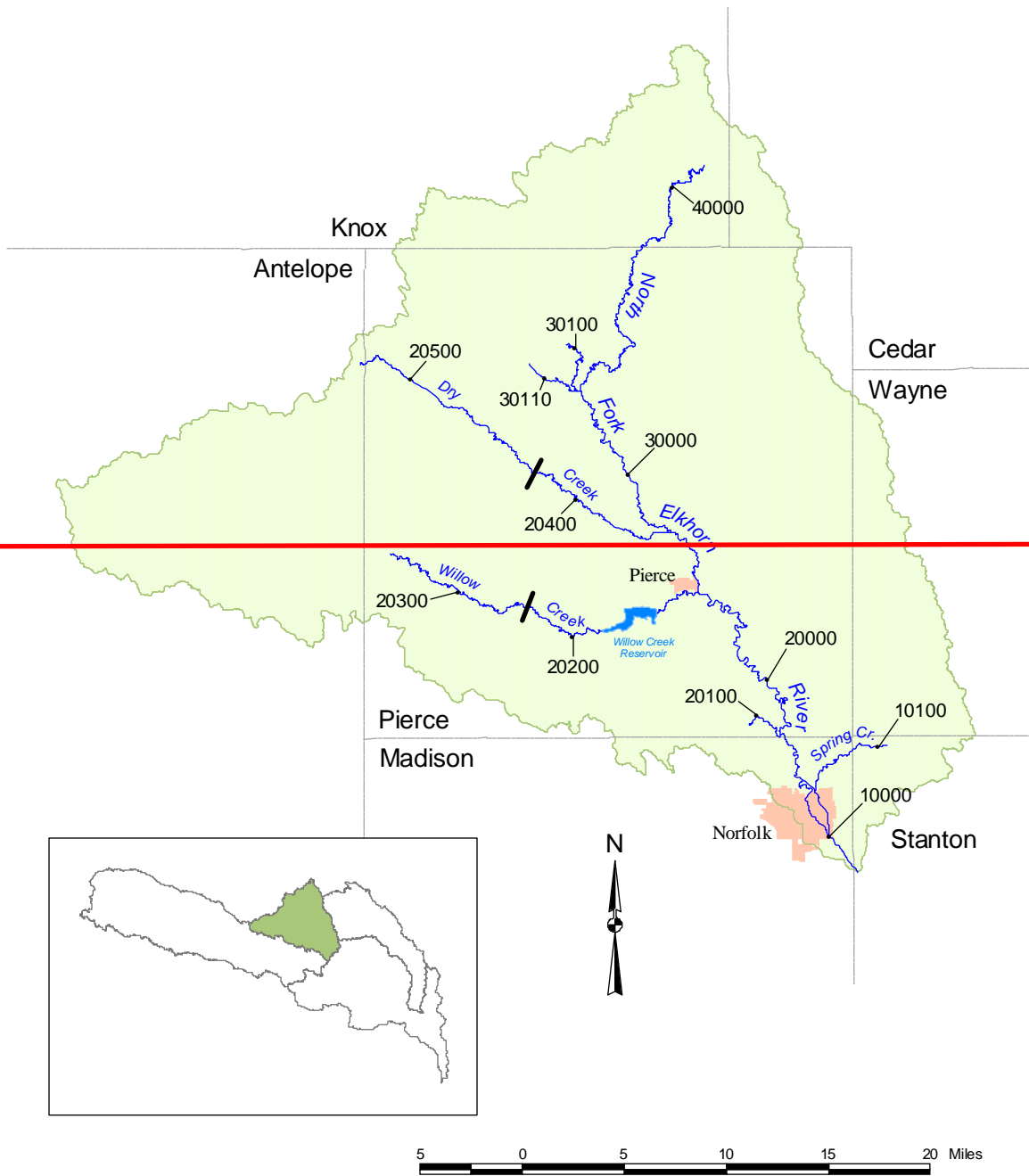
*Site-specific water quality criteria for ammonia are assigned (see Chapter 4, 003.02B).

RIVER BASIN: Elkhorn

Subbasin: EL2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|--------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|---------------------------|-----------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Dog Creek | 20810 | | | | B | | A | | ● | 23, 28 | Sensitive Species |
| South Logan Creek - Deer Creek to Dog Creek | 20900 | | | | B | | A | | ● | 23, 28 | Sensitive Species |
| Deer Creek - Unnamed Creek (Sec 8-26N-3E) to South Logan Creek | 20910 | | | | B | | A | | ● | 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 8-26N-3E) | 20911 | | | | B | | A | | ● | 23, 28 | Sensitive Species |
| Deer Creek - Headwaters to Unnamed Creek (Sec 8-26N-3E) | 20920 | | | | B | | A | | ● | 23, 28 | Sensitive Species |
| South Logan Creek - Headwaters to Deer Creek | 21000 | | | | B | | A | | ● | 23, 28 | Sensitive Species |
| Logan Creek - North Logan Creek to South Logan Creek | 30000 | | | | A | | A | | ● | 23, 28, i | Sensitive Species |
| North Logan Creek | 30100 | | | | B | | A | | ● | 23, 28 | Sensitive Species |
| Logan Creek - Confluence of Middle Logan Creek and Perrin Creek to North Logan Creek | 40000 | | | | B | | A | | ● | 23, 28 | Sensitive Species |
| Baker Creek | 40100 | | | | B | | A | | ● | 23, 28 | Sensitive Species |
| Middle Logan Creek - Headwaters to Perrin Creek | 40200 | | | | B | | A | | ● | 23, 28 | Sensitive Species |
| Perrin Creek | 40300 | | | | B | | A | | ● | 23, 28 | Sensitive Species |

Effective Date: _____



Subbasin EL3

RIVER BASIN: Elkhorn

Subbasin: EL3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS | |
|------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|-----------------------------------------------------------------------------------|-----------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| North Fork Elkhorn River - Spring Creek to Elkhorn River | 10000 | | ● | | A | | A | | | ● | <u>23.</u> <u>28.</u> <u>30.</u> <u>31.</u> <u>33.</u> <u>35.i</u> | Sensitive Species |
| Spring Creek | 10100 | | | | B | | A | | | ● | <u>23.</u> <u>31.</u> <u>33.</u> <u>35</u> | Sensitive Species |
| North Fork Elkhorn River - Dry Creek to Spring Creek | 20000 | | ● | | A | | A | | | ● | <u>23.</u> <u>31.</u> <u>33.</u> <u>35.</u> f,i | Sensitive Species |
| Hadar Creek | 20100 | | | | B | | A | | | ● | <u>23.</u> <u>31.</u> <u>33.</u> <u>35</u> | Sensitive Species |
| Willow Creek - Sec 32-26N-3W to North Fork Elkhorn River | 20200 | | ● | | A | | A | | | ● | <u>23.</u> <u>31.</u> <u>33.</u> <u>35.</u> f,i | Sensitive Species |
| Willow Creek - Headwaters to Sec 32-26N-3W | 20300 | | ● | | A | | A | | | ● | <u>23.</u> <u>33.</u> f,i | Sensitive Species |
| Dry Creek - Sec 33-27N-3W to North Fork Elkhorn River | 20400 | | ● | | B | | A | | | ● | 10, <u>23.</u> <u>31.</u> <u>33.</u> <u>35</u> | Sensitive Species |
| Dry Creek - Headwaters to Sec 28-27N-3W | 20500 | | | | B | | A | | | ● | 10, <u>12.</u> <u>23</u> | Sensitive Species |
| North Fork Elkhorn River - West Branch North Fork Elkhorn River to Dry Creek | 30000 | | | | B | | A | | | ● | <u>23.</u> <u>31.</u> <u>33.</u> <u>35</u> | Sensitive Species |
| West Branch North Fork Elkhorn River | 30100 | | | | B | | A | | | ● | <u>23.</u> <u>31.</u> <u>33.</u> <u>35</u> | Sensitive Species |
| Breslau Creek | 30110 | | | | B | | A | | | ● | <u>23.</u> <u>31.</u> <u>33.</u> <u>35</u> | Sensitive Species |

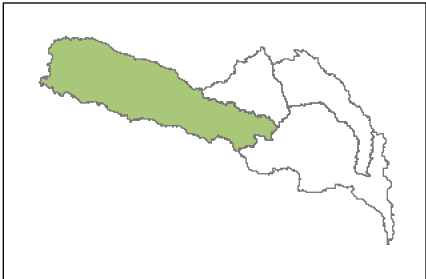
Effective Date: _____

RIVER BASIN: Elkhorn

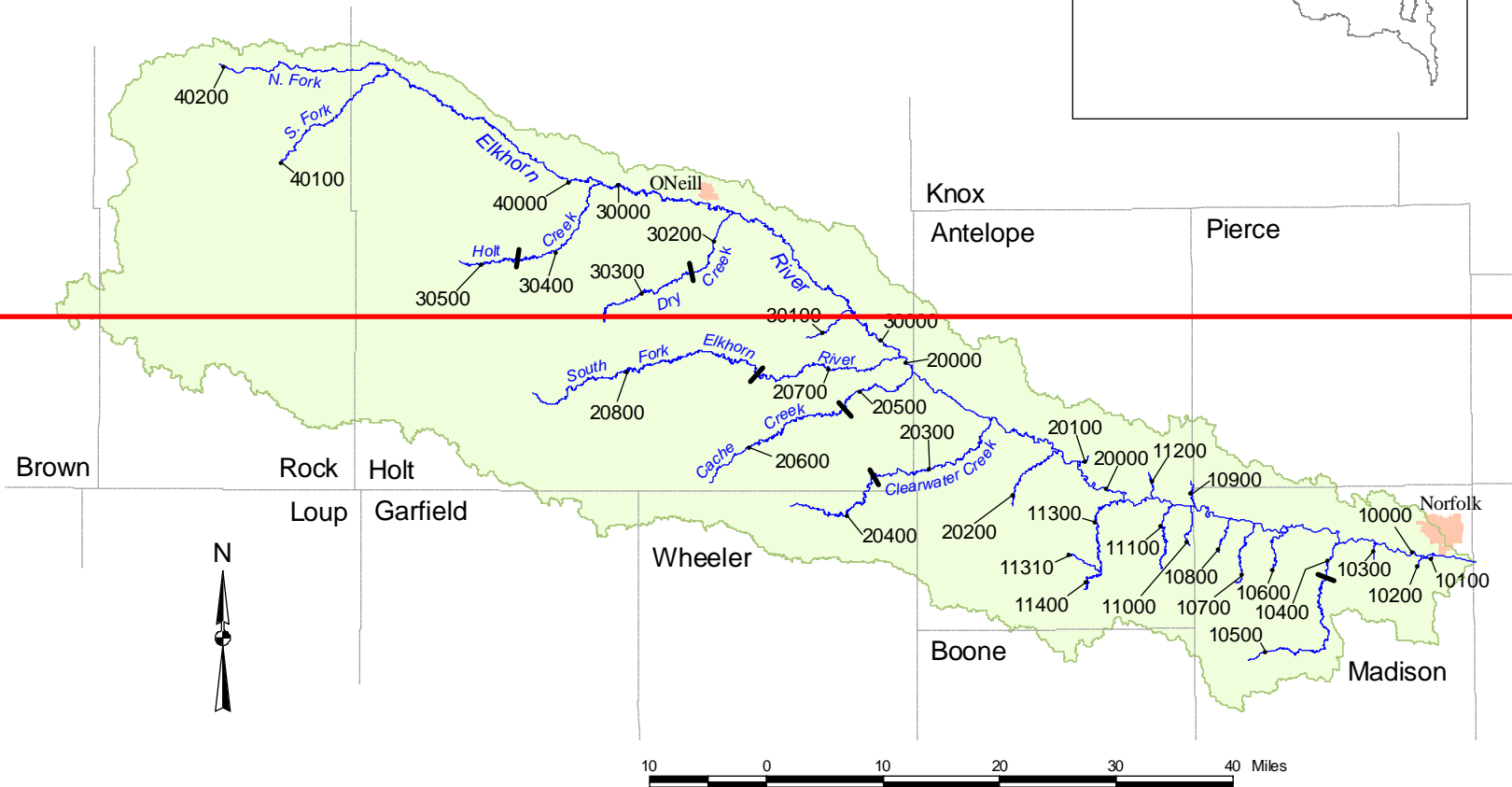
Subbasin: EL3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS |
|----------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|-----------------------------------------------------------------------------------|--------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | INDUSTRIAL | |
| North Fork Elkhorn River (including Middle Branch North Fork Elkhorn River) - Headwaters to West Branch North Fork Elkhorn River | 40000 | | | | B | | A | | • | 12 23 31 33 36 | <u>Sensitive Species</u> |

Subbasin EL4



Effective Date:



RIVER BASIN: Elkhorn

Subbasin: EL4

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS | |
|---------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|--------------------------------------|-------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| Elkhorn River - Cedar Creek to North Fork Elkhorn River | 10000 | | ● | | A* | | A | | | ● | 23, 28, 30, 31, 33, 35, f, i, j, n | Sensitive Species |
| Unnamed Creek (Sec 33-24N-1W) | 10100 | | | | B | | A | | | ● | 23, 28, 30, 31, 33, 35, | Sensitive Species |
| Unnamed Creek (Sec 5-23N-1W) | 10200 | | | | B | | A | | | ● | 23, 28, 30, 31, 33, 35, | Sensitive Species |
| Unnamed Creek (Sec 27-24N-2W) | 10300 | | | | B | | A | | | ● | 23, 28, 30, 31, 33, 35, | Sensitive Species |
| Battle Creek - Sec 12-23N-3W to Elkhorn River | 10400 | | ● | | A | | A | | | ● | 13, 23, 28, 30, 31, 33, 35, f, i | Sensitive Species |
| Battle Creek - Headwaters to Sec 13-23N-3W | 10500 | | | | A | | A | | | ● | 13, 23 | Sensitive Species |
| Deer Creek | 10600 | | | | A | | A | | | ● | 10, 13, 23, 28, 30, 31, 33, 35, f, n | Sensitive Species |
| Buffalo Creek | 10700 | | | | A | | A | | | ● | 10, 23, 28, 30, 31, 33, 35, | Sensitive Species |

*Site-specific water quality criteria for ammonia are assigned (see Chapter 4, 003.02B).

RIVER BASIN: Elkhorn

Subbasin: EL4

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | | COMMENTS |
|---------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|------------------------------------------------|-----------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| Dry Creek | 10800 | | | | B | | A | | | ● | 23, 28, 30, 31, 33, 35 | Sensitive Species |
| Al Hopkins Creek | 10900 | | | | B | | A | | | ● | 23, 30, 31, 33, 35 | Sensitive Species |
| Giles Creek | 11000 | | | | B | | A | | | ● | 23, 30, 31, 33, 35 | Sensitive Species |
| Ives Creek | 11100 | | | | B | | A | | | ● | 23, 30, 31, 33, 35 | Sensitive Species |
| Trueblood Creek | 11200 | | | | B | | A | | | ● | 23, 30, 31, 33, 35 | Sensitive Species |
| Cedar Creek - Blacksake Creek to Elkhorn River | 11300 | | ● | | A | | A | | | ● | 23, 30, 31, 33, 35,i | Sensitive Species |
| Blacksake Creek | 11310 | | | | B | | A | | | ● | 23 | Sensitive Species |
| Cedar Creek - Headwaters to Blacksake Creek | 11400 | | | | B | | A | | | ● | 23 | Sensitive Species |
| Elkhorn River - South Fork Elkhorn River to Cedar Creek | 20000 | | ● | | A | | A | | | ● | 23, 30, 31, 33, 35, f,i, j,n | Sensitive Species |
| Belmer Creek | 20100 | | | | B | | A | | | ● | 23, 30, 31, 33, 35 | Sensitive Species |
| Antelope Creek | 20200 | | | | B | | A | | | ● | 23, 30, 31, 33, 35 | Sensitive Species |

Effective Date: _____

RIVER BASIN: Elkhorn

Subbasin: EL4

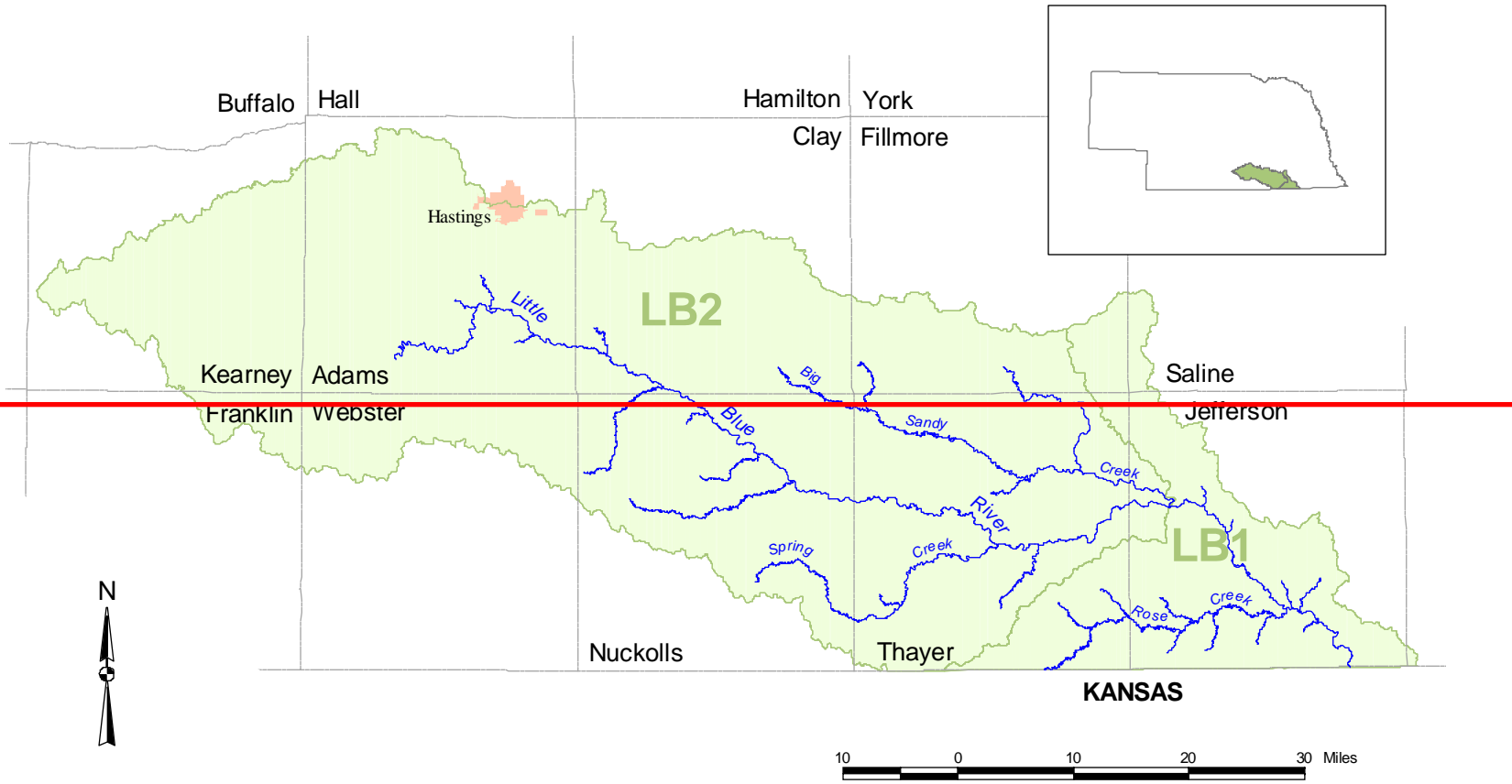
| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS | |
|--------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|---------------------------------------------|-------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| Clearwater Creek - Sec 28-25N-9W to Elkhorn River | 20300 | | ● | | A | | A | | | ● | 23, 30, 31, 33, 35,f | Sensitive Species |
| Clearwater Creek - Headwaters to Sec 28-25N-9W | 20400 | | | | A | | A | | | ● | 23,f | Sensitive Species |
| Cache Creek - Sec 36-26N-10W to Elkhorn River | 20500 | | | | A | | A | | | ● | 10, 13, 23, 30, 31, 33, 35, f,n | Sensitive Species |
| Cache Creek - Headwaters to Sec 36-26N-10W | 20600 | | | | A | | A | | | ● | 10, 13, 23, f,n | Sensitive Species |
| South Fork Elkhorn River - Dry Creek to Elkhorn River | 20700 | | ● | | A | | A | | | ● | 23, 30, 31, 33, 35,f | Sensitive Species |
| South Fork Elkhorn River - Headwaters to Dry Creek | 20800 | | | | A | | A | | | ● | 23, 33,f | Sensitive Species |
| Elkhorn River - Holt Creek to South Fork Elkhorn River | 30000 | | ● | | A | | A | | | ● | 10, 13, 14, 23, 29, 30, 31, 33, 35,f, i,j,n | Sensitive Species |
| Willow Swamp Creek | 30100 | | | | B | | A | | | ● | 23, 30, 31, 33, 35 | Sensitive Species |
| Dry Creek - Sec 35-28N-12W to Elkhorn River | 30200 | | | | A | | A | | | ● | 23, 30, 31, 33, 35,f | Sensitive Species |
| Dry Creek - Headwaters to Sec 35-28N-12W | 30300 | | | | A | | A | | | ● | 23,f | Sensitive Species |

RIVER BASIN: Elkhorn

Subbasin: EL4

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | KEY SPECIES | COMMENTS |
|-------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | INDUSTRIAL | | |
| Holt Creek - Sec 29-28N-14W to Elkhorn River | 30400 | | | | A | | A | | ● | 13, 14, 15, <u>23</u> , <u>29</u> , <u>30</u> , <u>31</u> , <u>33</u> , <u>35.f</u> | Sensitive Species |
| Holt Creek - Headwaters to Sec 29-28N-14W | 30500 | | | | A | | A | | ● | 13, 14, 15, <u>23</u> , <u>33.f</u> | Sensitive Species |
| Elkhorn River - Confluence of South Fork and North Fork Elkhorn River to Holt Creek | 40000 | B | ● | | A | | A | | ● | 14, 15, <u>23</u> , <u>29</u> , <u>30</u> , <u>31</u> , <u>33</u> , <u>35</u> , f,i,j,n | Sensitive Species |
| South Fork Elkhorn River | 40100 | | | | A | | A | | ● | 13, <u>23</u> , <u>30</u> , <u>33</u> , <u>35.f</u> | Sensitive Species |
| North Fork Elkhorn River | 40200 | | | | A | | A | | ● | <u>3.5</u> , <u>6</u> , 13, <u>23</u> , <u>30</u> , <u>33</u> , <u>35.f</u> | <u>Endangered Species</u> <u>Threatened Species</u> Sensitive Species |

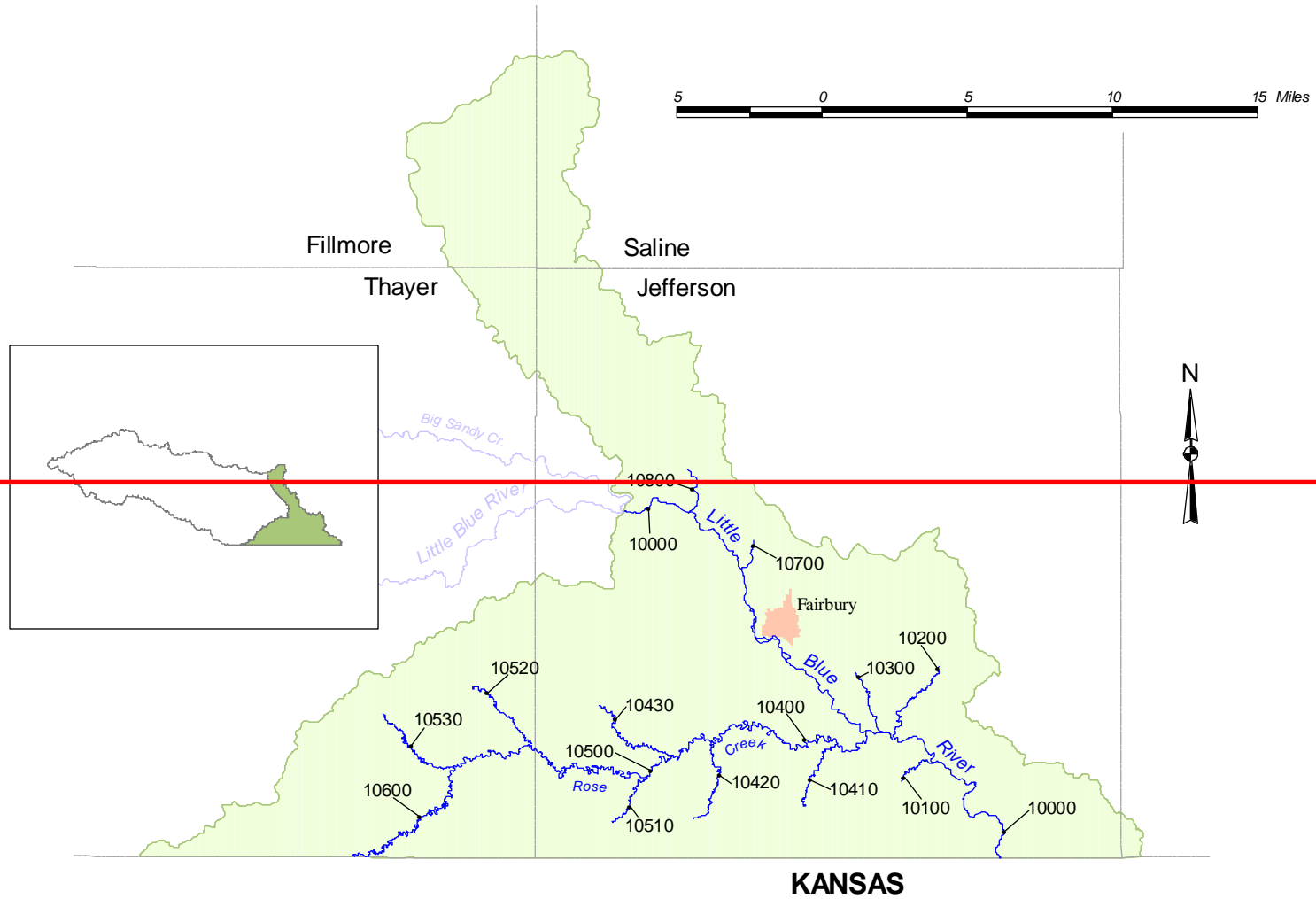
Effective Date: _____



LITTLE BLUE RIVER BASIN (and Subbasins)

Effective Date:

5-33

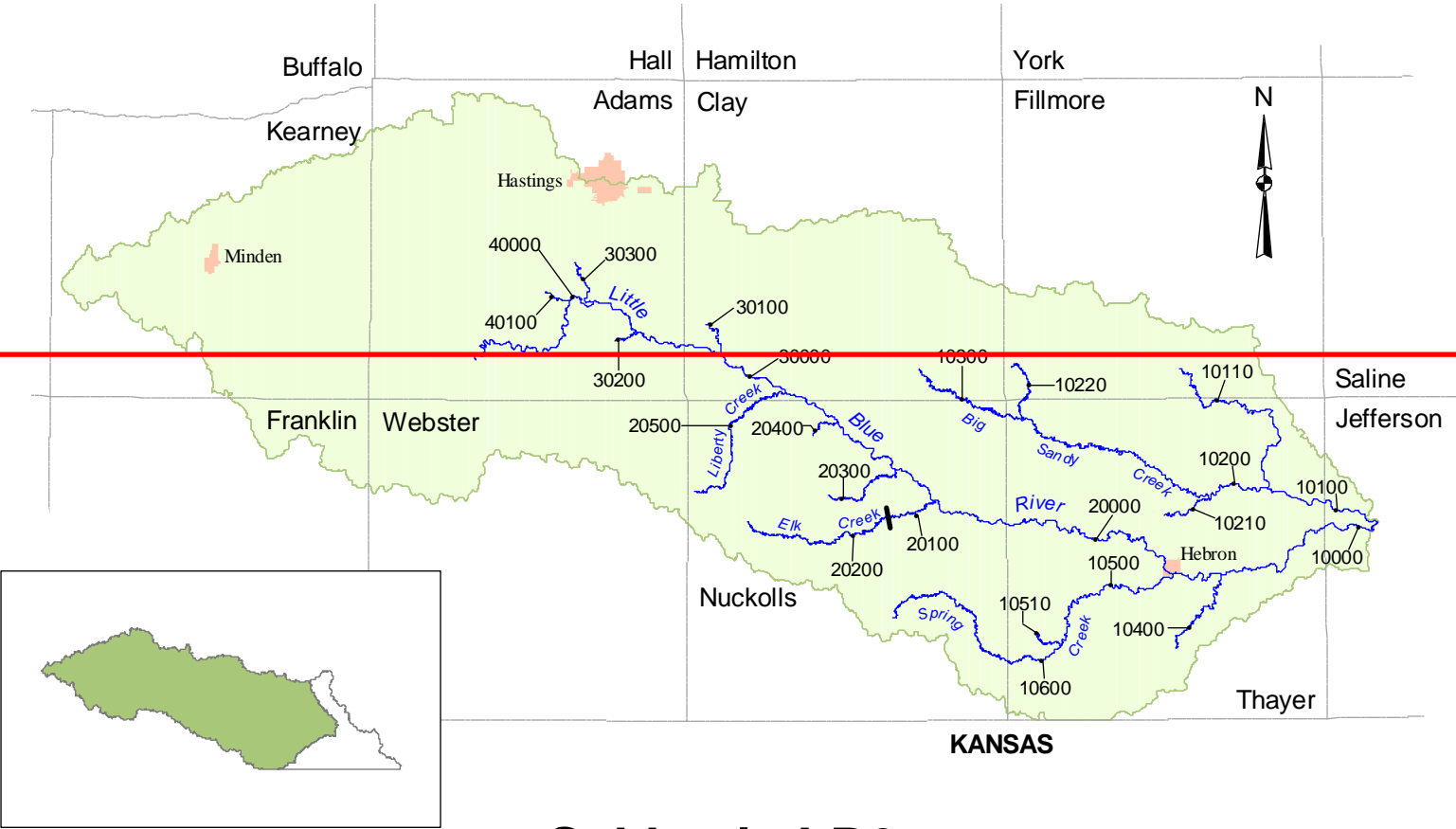
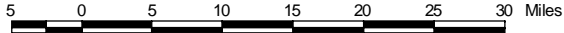


Subbasin LB1

RIVER BASIN: Little Blue

Subbasin: LB1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS | | |
|------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|----------|---------------|-------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | | |
| Little Blue River - Big Sandy Creek to Nebraska-Kansas border (Sec 31-1N-4E) | 10000 | | ● | | A | | ● | A | | | ● | 23, 31, ij | Sensitive Species |
| Coon Creek | 10100 | | | | A | | | A | | | ● | 10, 23, 31, i | Sensitive Species |
| Rock Creek | 10200 | | ● | | A | | | A | | | ● | 10, 23, 31 | Sensitive Species |
| Smith Creek | 10300 | | | | B | | | A | | | ● | 23, 31 | Sensitive Species |
| Rose Creek - Buckley Creek to Little Blue River | 10400 | | | | A | | | A | | | ● | 23, 31, ij | Sensitive Species |
| Dry Branch | 10410 | | | | A | | | A | | | ● | 10, 23, 31 | Sensitive Species |
| Silver Creek | 10420 | | | | A | | | A | | | ● | 11, 23 | Sensitive Species |
| Buckley Creek | 10430 | | | | B | | | A | | | ● | 23 | Sensitive Species |
| Rose Creek - Spring Branch to Buckley Creek | 10500 | | | | A | | | A | | | ● | 23, ij | Sensitive Species |
| Wiley Creek | 10510 | | | | A | | | A | | | ● | 11, 23 | Sensitive Species |
| Balls Branch | 10520 | | | | B | | | A | | | ● | 23 | Sensitive Species |
| Spring Branch | 10530 | | | | A | | | A | | | ● | 11, 23 | Sensitive Species |
| Rose Creek - Nebraska-Kansas border (Sec 35-1N-2W) to Spring Branch | 10600 | | | | B | | | A | | | ● | 23 | Sensitive Species |
| Whisky Run | 10700 | | | | A | | | A | | | ● | 10, 23, 31, i | Sensitive Species |
| Little Sandy Creek | 10800 | | | | B | | | A | | | ● | 23, 31 | Sensitive Species |
| Big Sandy Creek (see subbasin LB2) | ----- | | | | | | | | | | | | |



Subbasin LB2

Effective Date:

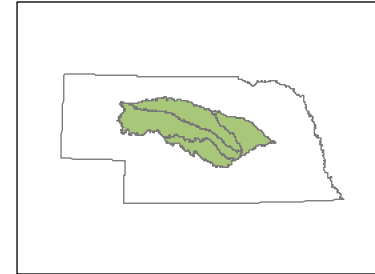


RIVER BASIN: Little Blue

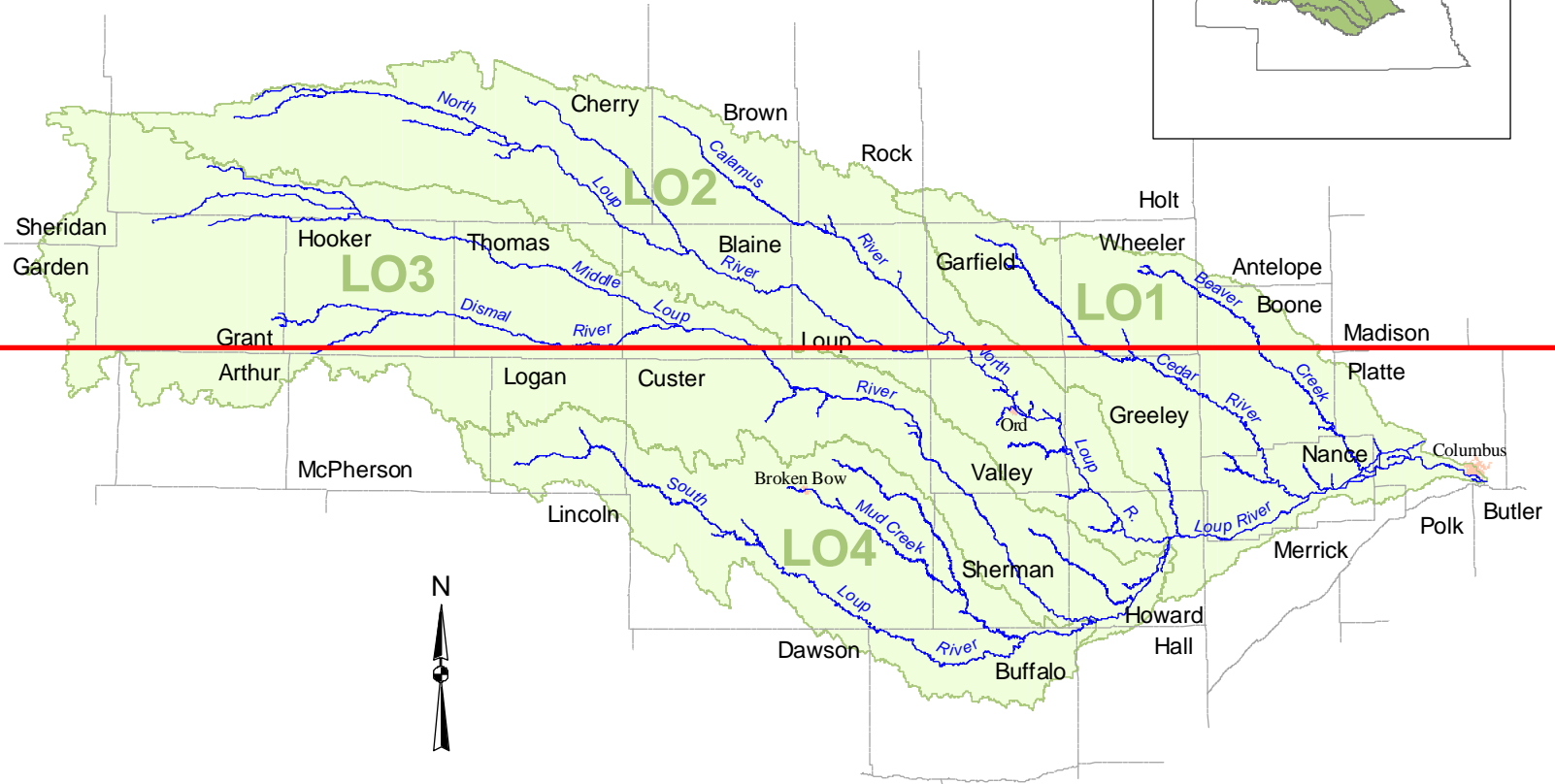
Subbasin: LB2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS |
|-----------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|--------------|-------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | |
| Little Blue River - Spring Creek to Big Sandy Creek | 10000 | | ● | | A* | | A | | ● | 23, 31, i, j | Sensitive Species |
| Big Sandy Creek - Dry Sandy Creek to Little Blue River | 10100 | | ● | | A | | A | | ● | 23, 31, i | Sensitive Species |
| Dry Sandy Creek | 10110 | | | | B | | A | | ● | | |
| Big Sandy Creek - Little Sandy Creek to Dry Sandy Creek | 10200 | | | | B | | A | | ● | i | |
| South Fork Big Sandy Creek | 10210 | | | | B | | A | | ● | | |
| Little Sandy Creek | 10220 | | | | B | | A | | ● | | |
| Big Sandy Creek - Headwaters to Little Sandy Creek | 10300 | | | | B | | A | | ● | | |
| Dry Creek | 10400 | | | | B | | A | | ● | 23, 31 | Sensitive Species |
| Spring Creek - Unnamed Creek (Sec 2-1N-4W) to Little Blue River | 10500 | | | | B | | A | | ● | 31 | Sensitive Species |
| Unnamed Creek (Sec 2-1N-4W) | 10510 | | | | B | | A | | ● | | |
| Spring Creek - Headwaters to Unnamed Creek (Sec 2-1N-4W) | 10600 | | | | B | | A | | ● | | |
| Little Blue River - Liberty Creek to Spring Creek | 20000 | | ● | | A | | A | | ● | 31, i, j | Sensitive Species |
| Elk Creek - Unnamed Creek (Sec 15-3N-6W) to Little Blue River | 20100 | | | | B | | A | | ● | 31 | Sensitive Species |
| Elk Creek - Headwaters to Unnamed Creek (Sec 15-3N-6W) | 20200 | | | | B | | A | | ● | | |
| Ox Bow Creek | 20300 | | | | B | | A | | ● | 31 | Sensitive Species |
| Walnut Creek | 20400 | | | | B | | A | | ● | 31 | Sensitive Species |
| Liberty Creek | 20500 | | | | B | | A | | ● | 31 | Sensitive Species |
| Little Blue River - Thirty-two Mile Creek to Liberty Creek | 30000 | | ● | | A | | A | | ● | 31, i | Sensitive Species |
| Pawnee Creek | 30100 | | | | B | | A | | ● | 31 | Sensitive Species |
| Ash Creek | 30200 | | | | B | | A | | ● | 31 | Sensitive Species |
| Thirty-two Mile Creek | 30300 | | | | B | | A | | ● | 31, i | Sensitive Species |
| Little Blue River - Headwaters to Thirty-two Mile Creek | 40000 | | | | B | | A | | ● | 31, i | Sensitive Species |
| Scott Creek | 40100 | | | | B | | A | | ● | 31 | Sensitive Species |

*Site-specific water quality criteria for ammonia are assigned (see Chapter 4, 003.02B).

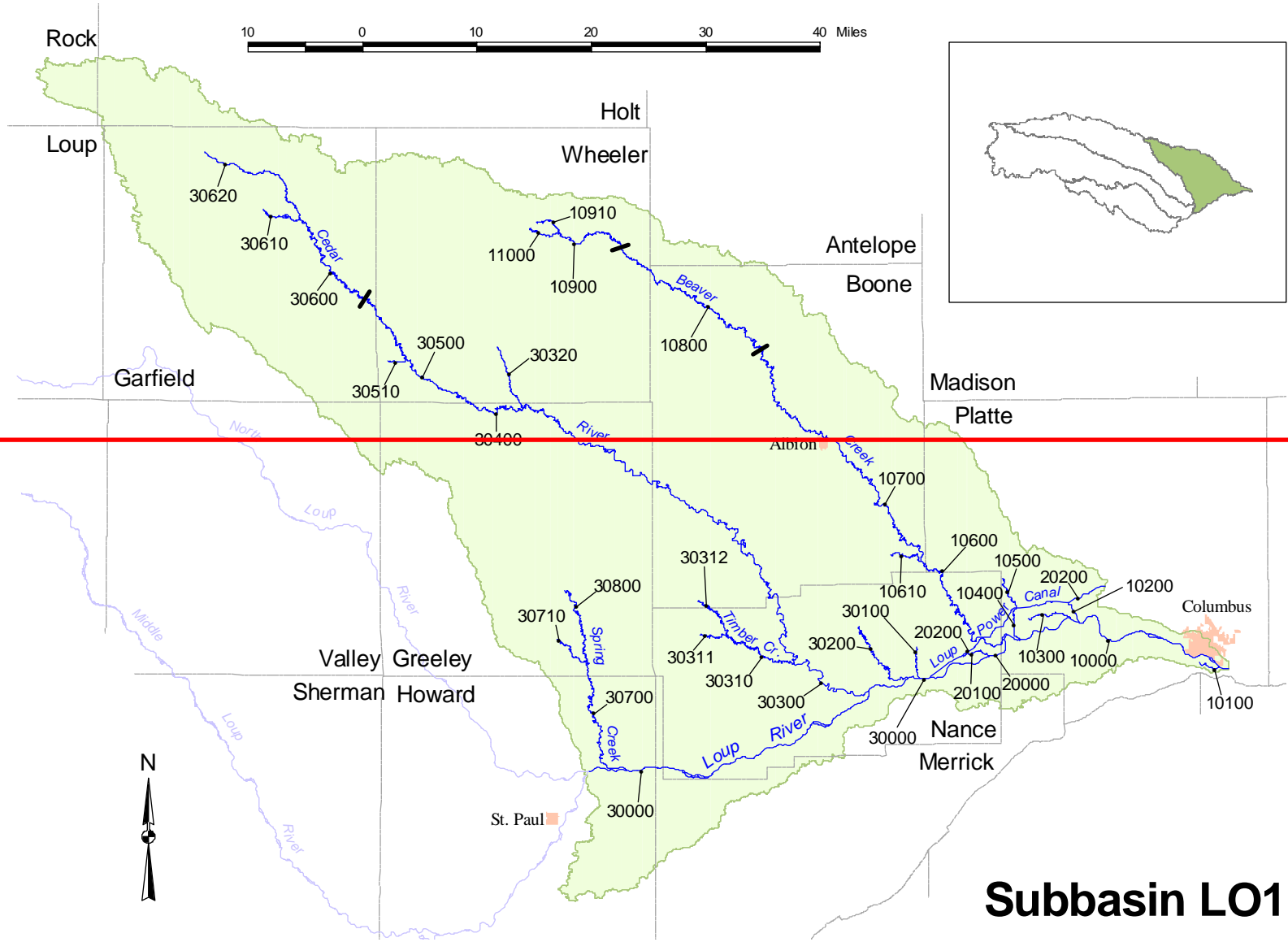


Effective Date:



LOUP RIVER BASIN (and Subbasins)

Effective Date:



Subbasin LO1

RIVER BASIN: Loup

Subbasin: LO1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS | |
|--------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| Loup River - Beaver Creek to Platte River | 10000 | | ● | | A* | | A | | | ● | 1.2 , 18 , 28 , 31 , 35.i | Endangered Species , Threatened Species , Sensitive Species |
| Barnum Creek | 10100 | | | | A | | A | | | ● | 1.2 , 18 , 28 , 31 , 35.i | Endangered Species , Threatened Species , Sensitive Species |
| Cherry Creek | 10200 | | | | B | | A | | | ● | 28 , 31 , 35 | Sensitive Species |
| Unnamed Creek (Sec 7-17N-2W) | 10300 | | | | B | | A | | | ● | 28 , 31 , 35 | Sensitive Species |
| Looking-Glass Creek - Loup River Canal Siphon (Sec 5-17N-3W) to Loup River | 10400 | | | | B | | A | | | ● | 28 , 31 , 35 | Sensitive Species |
| Looking-Glass Creek - Headwaters to Loup River Canal Siphon (Sec 5-17-3W) | 10500 | | | | B | | A | | | ● | | |
| Beaver Creek - Bogus Creek to Loup River | 10600 | | ● | | A | | A | | | ● | 28 , 31 , 35 , i,j | Sensitive Species |
| Bogus Creek | 10610 | | | | B | | A | | | ● | 28 , 31 | Sensitive Species |
| Beaver Creek - Rae Creek (Sec 11-21N-7W) to Bogus Creek | 10700 | | ● | | A | | A | | | ● | 23 , 28 , 31 , i,j | Sensitive Species |
| Beaver Creek - Unnamed Creek (Sec 27-23N-9W) to Rae Creek (Sec 11-21N-7W) | 10800 | | | | A | | A | | | ● | 4 , 23 , 31 , 33.i | Sensitive Species |
| Beaver Creek - Unnamed Creek (Sec 23-23N-10W) to Unnamed Creek (Sec 27-23N-9W) | 10900 | | | | B | | A | | | ● | 4 , 23 , 33 | Sensitive Species |
| Unnamed Tributary (Sec 23-23N-10W) | 10910 | | | | B | | A | | | ● | 4 , 23 , 33 | Sensitive Species |
| Beaver Creek - Headwaters to Unnamed Tributary (Sec 23-23N-10W) | 11000 | | | | B | | A | | | ● | 4 , 23 , 33 | Sensitive Species |

*Site-specific water quality criteria for ammonia are assigned (see Chapter 4, 003.02B).

RIVER BASIN: Loup

Subbasin: LO1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS |
|----------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|------------------------------|---------------------------------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | |
| Loup River - Loup River Canal Diversion (Sec 6-16N-4W) to Beaver Creek | 20000 | | ● | | A* | | A | | ● | 28, 31, 35, i, j | Sensitive Species |
| Unnamed Creek (Sec 25-17N-4W) | 20100 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Loup River Canal - Diversion (Sec 6-16N-4W) to Sec 28-18N-2W (exits Loup River Basin into Lower Platte River Basin - see subbasin LP1) | 20200 | | ● | | A | | A | | ● | 28, 31, 35, i, j | Sensitive Species |
| Loup River - Confluence of North and Middle Loup Rivers to Loup River Canal Division (Sec 6-16N-4W) | 30000 | | ● | | A | | A | | ● | 4.5, 6, 28, 31, 33, 35, i, j | Endangered Species Threatened Species Sensitive Species |
| Council Creek | 30100 | | | | B | | A | | ● | 28, 31, 33, 35 | Sensitive Species |
| Plum Creek | 30200 | | | | B | | A | | ● | 4, 28, 31, 33, 35 | Sensitive Species |
| Cedar River - Clear Creek to Loup River | 30300 | | ● | | A | | A | | ● | 4, 28, 31, 35, i, j | Sensitive Species |
| Timber Creek | 30310 | | | | B | | A | | ● | 28 | Sensitive Species |
| South Branch Timber Creek | 30311 | | | | B | | A | | ● | | |
| North Branch Timber Creek | 30312 | | | | B | | A | | ● | | |
| Clear Creek | 30320 | | | | A | | A | | ● | 15, 28 | Sensitive Species |
| Cedar River - Lake Ericson Dam (Sec 25-21N-12W) to Clear Creek | 30400 | | ● | | A | | A | | ● | 28, 33, i, j | Sensitive Species |
| Cedar River - Sec 14-22N-13W to Lake Ericson Dam (Sec 25-21N-12W) | 30500 | | ● | | A | | A | | ● | 28, 33, i | Sensitive Species |
| Dry Cedar Creek | 30510 | | | | B | | A | | ● | 33 | |

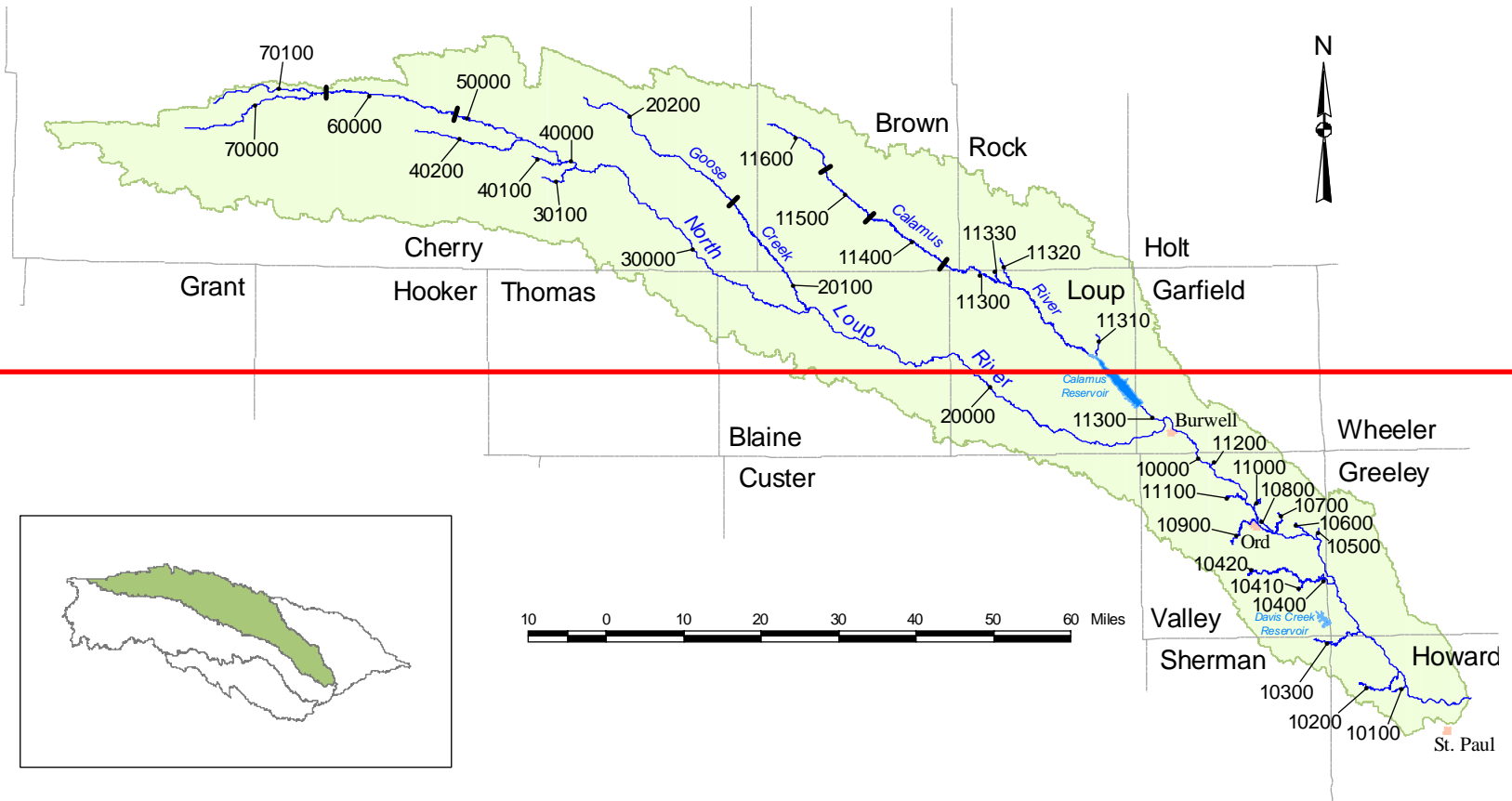
*Site-specific water quality criteria for ammonia are assigned (see Chapter 4, 003.02B).

RIVER BASIN: Loup

Subbasin: LO1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS |
|---------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL |  |  |  | INDUSTRIAL |
| Cedar River - Confluence of Little Cedar and Big Cedar Creeks to Sec 14-22N-13W | 30600 | | | | B | | A | | ● | |
| Little Cedar Creek - Headwaters to Cedar River | 30610 | | | | B | | A | | ● | |
| Big Cedar Creek - Headwaters to Cedar River | 30620 | | | | B | | A | | ● | |
| Spring Creek - West Branch Spring Creek to Loup River | 30700 | | | | A | | A | | ● | 4.5 , 6 , 28 , 31 , 35.i Endangered Species , Threatened Species , Sensitive Species |
| West Branch Spring Creek | 30710 | | | | B | | A | | ● | |
| Spring Creek - Headwaters to West Branch Spring Creek | 30800 | | | | B | | A | | ● | |
| North Loup River (see subbasin LO2) | ----- | | | | | | | | | |
| Middle Loup River (see subbasin LO3) | ----- | | | | | | | | | |

Effective Date:



Subbasin LO2

RIVER BASIN: Loup

Subbasin: LO2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|----------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|---------------------|-------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| North Loup River - Calamus River to Loup River | 10000 | | ● | | A | | A | | ● | 4, 28, 31, 33, 35.i | Sensitive Species |
| Auger Creek | 10100 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Munson Creek | 10200 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Davis Creek | 10300 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Mira Creek - South Branch Mira Creek to North Loup River | 10400 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| South Branch Mira Creek | 10410 | | | | B | | A | | ● | | |
| North Branch Mira Creek | 10420 | | | | B | | A | | ● | | |
| Messenger Creek | 10500 | | | B | | | A | | ● | 8,9, 28, 31, 35 | Sensitive Species |
| Spring Creek | 10600 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Elm Creek | 10700 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Unnamed Creek (Sec 25-19N-14W) | 10800 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Dane Creek | 10900 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Haskell Creek | 11000 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Turtle Creek | 11100 | | | | A | | A | | ● | 28, 31, 35j | Sensitive Species |
| Bean Creek | 11200 | | | | A | | A | | ● | 9, 28, 31, 35 | Sensitive Species |

Effective Date: _____

RIVER BASIN: Loup

Subbasin: LO2

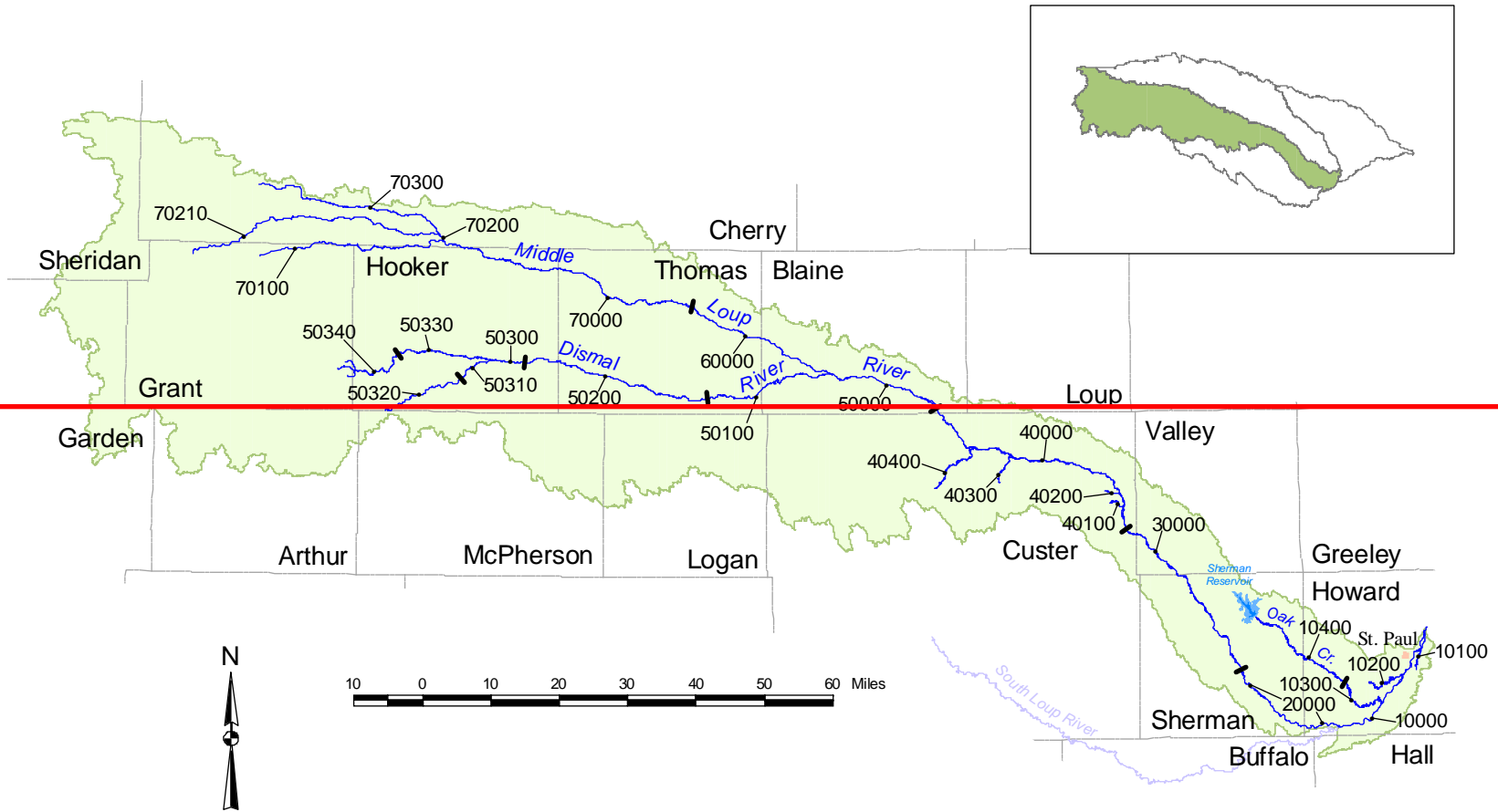
| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS | |
|----------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| Calamus River - Sec 25-25N-21W to North Loup River | 11300 | B | ● | B | | | | A | | ● | 28 , 31 , 33 , 35 , i,f | Sensitive Species |
| Gracie Creek | 11310 | | | B | | | | A | | ● | 8, 33 ,c | Sensitive Species |
| Bloody Creek | 11320 | | | B | | | | A | | ● | 33 | |
| Skull Creek | 11330 | | | | A | | | A | | ● | 13, 16, 33 | Sensitive Species |
| Calamus River - Sec 28-26N-22W to Sec 25-25N-21W | 11400 | B | ● | B | | | | A | | ● | 9, 15, 33 , i,f | Sensitive Species |
| Calamus River - Sec 28-27N-23W to Sec 28-26N-22W | 11500 | B | ● | B | | | | A | | ● | 5.6 , 9, 15, 33 , i,f | Endangered Species Threatened Species Sensitive Species |
| Calamus River - Headwaters to Sec 28-27N-23W | 11600 | B | | B | | | | A | | ● | 3.5 , 6.8 , 33 | Endangered Species Threatened Species Sensitive Species |
| North Loup River - Goose Creek to Calamus River | 20000 | | ● | B | | | | A | | ● | 3.4 , 28 , 31 , 35 ,i | Threatened Species Sensitive Species |
| Goose Creek - Sec 16-26N-25W to North Loup River | 20100 | | ● | B | | | | A | | ● | 3,4, 5.6 , 9, 28 , 31 | Endangered Species Threatened Species Sensitive Species |
| Goose Creek - Headwaters to Sec 16-26N-25W | 20200 | | | B | | | | A | | ● | 3,4, 5.6 , 9, 12 | Endangered Species Threatened Species Sensitive Species |
| North Loup River - Pass Creek to Goose Creek | 30000 | | ● | B | | | | A | | ● | 3.4 , 5.6 , 12 , 28 , 31 ,i | Endangered Species Threatened Species Sensitive Species |
| Pass Creek | 30100 | | | | B | | | A | | ● | 3,4, 5.6 , 12 , 28 | Endangered Species Threatened Species Sensitive Species |
| North Loup River - Big Creek to Pass Creek | 40000 | | ● | B | | | | A | | ● | 3.4 , 5.6 , 12 , 17 , 28 ,i | Endangered Species Threatened Species Sensitive Species |

RIVER BASIN: Loup

Subbasin: LO2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | KEY SPECIES | COMMENTS |
|-----------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|----------------------|-----------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | INDUSTRIAL | | |
| Brush Creek | 40100 | | | B | | | A | | ● | 3,4, 5,6, 12, 17, 28 | Threatened Species Endangered Species <u>Sensitive Species</u> |
| Big Creek | 40200 | | | B | | | A | | ● | 3,4, 5,6, 12, 17, 28 | <u>Endangered Species</u> Threatened Species <u>Sensitive Species</u> |
| North Loup River - Sec 21-28N-31W to Big Creek | 50000 | | | B | | | A | | ● | 3,4, 5,6, 12, 17, 28 | <u>Endangered Species</u> Threatened Species <u>Sensitive Species</u> |
| North Loup River - Sec 10-28N-34W to Sec 21-28N-31W | 60000 | | | B | | | A | | ● | 3,4, 5,6, 12, 28 | <u>Endangered Species</u> Threatened Species <u>Sensitive Species</u> |
| North Loup River - Headwaters to Sec 10-28N-34W | 70000 | | | B | | | A | | ● | 3,4, 5,6, 12 | <u>Endangered Species</u> Threatened Species <u>Sensitive Species</u> |
| Mud Creek | 70100 | | | B | | | A | | ● | 3,4, 5,6, 12 | <u>Endangered Species</u> Threatened Species <u>Sensitive Species</u> |

Effective Date:



Subbasin LO3

RIVER BASIN: Loup

Subbasin: LO3

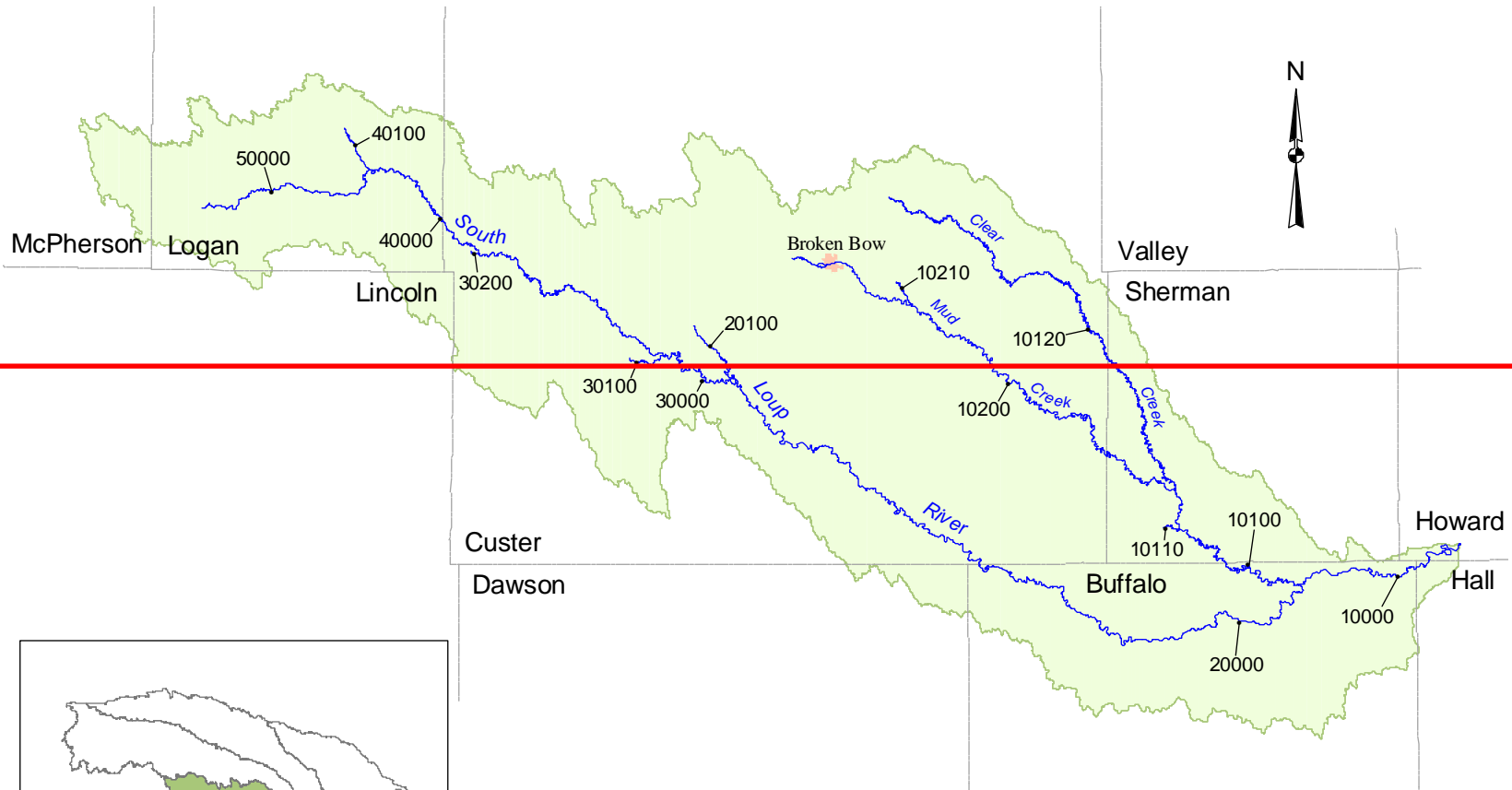
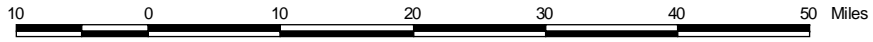
| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS | |
|-------------------------------------------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|---------------------|-------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| Middle Loup River - South Loup River to Loup River | 10000 | | ● | | A | | A | | | ● | 4, 28, 31, 33, 35.i | Sensitive Species |
| Lake Creek | 10100 | | | | B | | A | | | ● | 28, 31, 33, 35 | Sensitive Species |
| Turkey Creek | 10200 | | | | B | | A | | | ● | 28, 31, 33, 35 | Sensitive Species |
| Oak Creek - Unnamed Creek (Sec 30-14N-11W) to Middle Loup River | 10300 | | | | B | | A | | | ● | 28, 31, 33, 35 | Sensitive Species |
| Oak Creek - Headwaters to Unnamed Creek (Sec 30-14N-11W) | 10400 | | ● | | B | | A | | | ● | | |
| Middle Loup River - Canal 4 Return (Sec 9-14N-14W) to South Loup River | 20000 | | ● | | A | | A | | | ● | 28, 31, 35.i | Sensitive Species |
| Middle Loup River- Sherman Feeder Canal Diversion (Sec 35-18N-17W) to Canal 4 Return (Sec 9-14N-14W) | 30000 | | ● | | A | | A | | | ● | 28, 31, 35.i | Sensitive Species |
| Middle Loup River - Milburn-Sargent Canal Diversion (Sec 32-21N-21W) to Sherman Feeder Canal Diversion (Sec 35-18N-17W) | 40000 | | ● | | A | | A | | | ● | 28, 31, 33, 35.i | Sensitive Species |
| Unnamed Creek (Sec 14-18N-17W) | 40100 | | | | B | | A | | | ● | 28, 31, 35 | Sensitive Species |
| Wagner Creek | 40200 | | | | B | | A | | | ● | 28, 31, 35 | Sensitive Species |
| Lillian Creek | 40300 | | | | B | | A | | | ● | 28, 31, 33, 35 | Sensitive Species |
| Victoria Creek | 40400 | | ● | B | | | A | | | ● | 28, 31, 33, 35.i | Sensitive Species |
| Middle Loup River - Dismal River to Milburn-Sargent Canal Diversion (Sec 32-21N-21W) | 50000 | | ● | | A | | A | | | ● | 3, 28, 31, 35.i | Threatened Species Sensitive Species |

Effective Date: _____

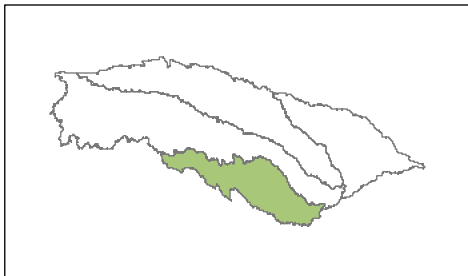
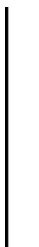
RIVER BASIN: Loup

Subbasin: LO3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | KEY SPECIES | COMMENTS | |
|------------------------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|-----------------------|---------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Dismal River - Sec 22-21N-27W to Middle Loup River | 50100 | | ● | B | | | A | | ● | 3, 28, 35, d,i | Threatened Species Sensitive Species |
| Dismal River - Sec 30-22N-31W to Sec 22-21N-27W | 50200 | | ● | B | | | A | | ● | 3, 28, 35, d,i | Threatened Species Sensitive Species |
| Dismal River - Confluence of North Fork and South Fork Dismal Rivers to Sec 30-22N-31W | 50300 | | ● | B | | | A | | ● | 3.5, 6, 28,d | Endangered Species Threatened Species Sensitive Species |
| South Fork Dismal River - Spring Creek to Dismal River | 50310 | | ● | B | | | A | | ● | 3.5, 6, 28,d | Endangered Species Threatened Species Sensitive Species |
| South Fork Dismal River - Headwaters to Spring Creek | 50320 | | | B | | | A | | ● | 3 | Threatened Species |
| North Fork Dismal River - Bobtail Creek to Dismal River | 50330 | | ● | B | | | A | | ● | 3.5, 6, 28,d | Endangered Species Threatened Species Sensitive Species |
| North Fork Dismal River - Headwaters to Bobtail Creek | 50340 | | | B | | | A | | ● | 3.5, 6, 28 | Endangered Species Threatened Species Sensitive Species |
| Middle Loup River - Sec 17-23N-27W to Dismal River | 60000 | | ● | B | | | A | | ● | 3, 28, 35, d,e,i | Threatened Species Sensitive Species |
| Middle Loup River - Confluence of North Branch and South Branch Middle Loup Rivers to Sec 17-23N-27W | 70000 | | ● | B | | | A | | ● | 3.4, 5.6, 28, 35, d,e | Endangered Species Threatened Species Sensitive Species |
| South Branch Middle Loup River | 70100 | | | B | | | A | | ● | 3.4, 5.6, 11, 28, d,e | Endangered Species Threatened Species Sensitive Species |
| North Branch Middle Loup River - Middle Branch Middle Loup River to South Branch Middle Loup River | 70200 | | | B | | | A | | ● | 3.4, 5.6, 28, d,e | Endangered Species Threatened Species Sensitive Species |
| Middle Branch Middle Loup River | 70210 | | | B | | | A | | ● | 3.4, 5.6, 28 | Endangered Species Threatened Species Sensitive Species |
| North Branch Middle Loup River - Headwaters to Middle Branch Middle Loup River | 70300 | | | B | | | A | | ● | 3.4, 5.6, 28, d,e | Endangered Species Threatened Species Sensitive Species |
| South Loup River (see subbasin LO4) | ---- | | | | | | | | | | |



Effective Date:



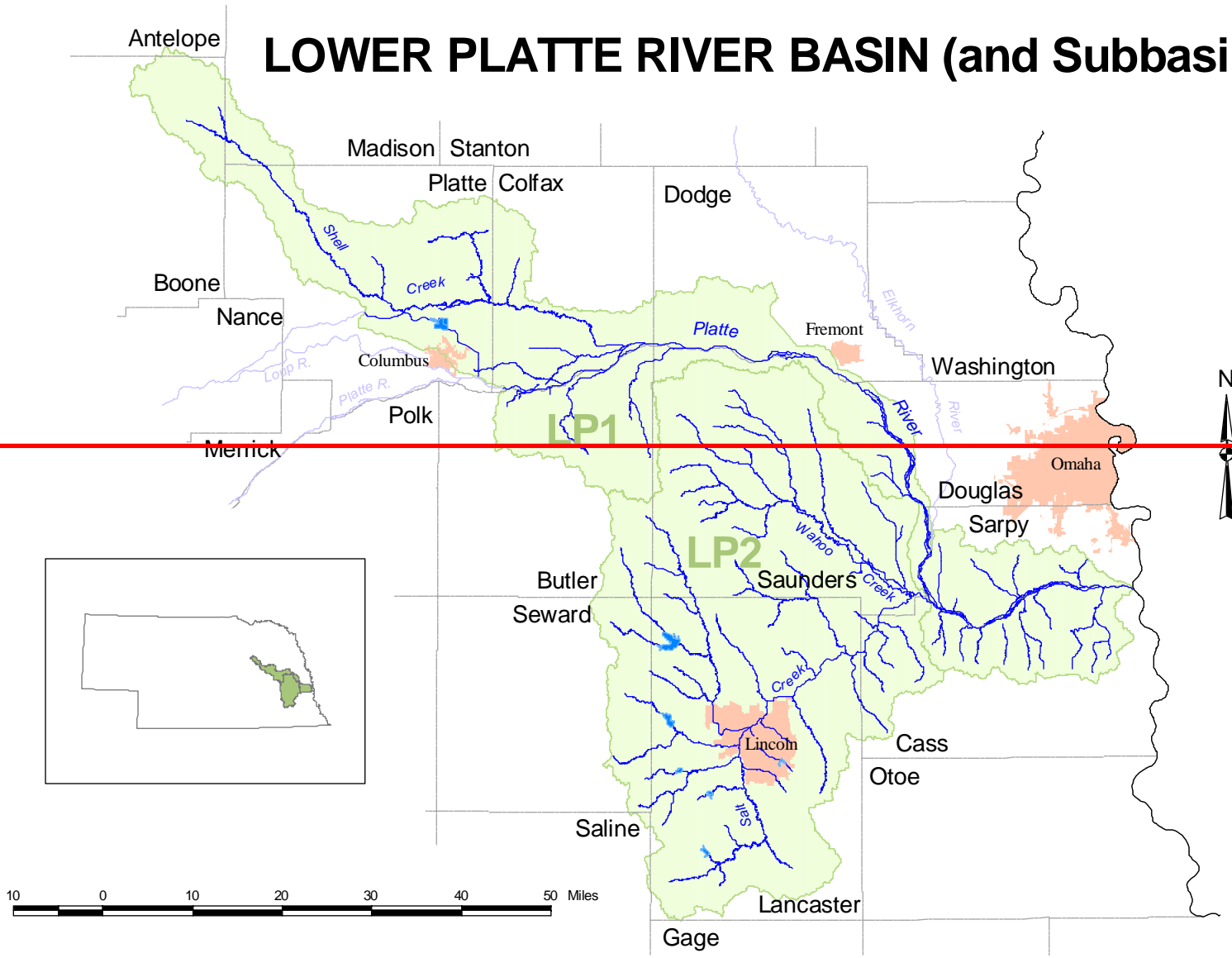
Subbasin LO4

RIVER BASIN: Loup

Subbasin: LO4

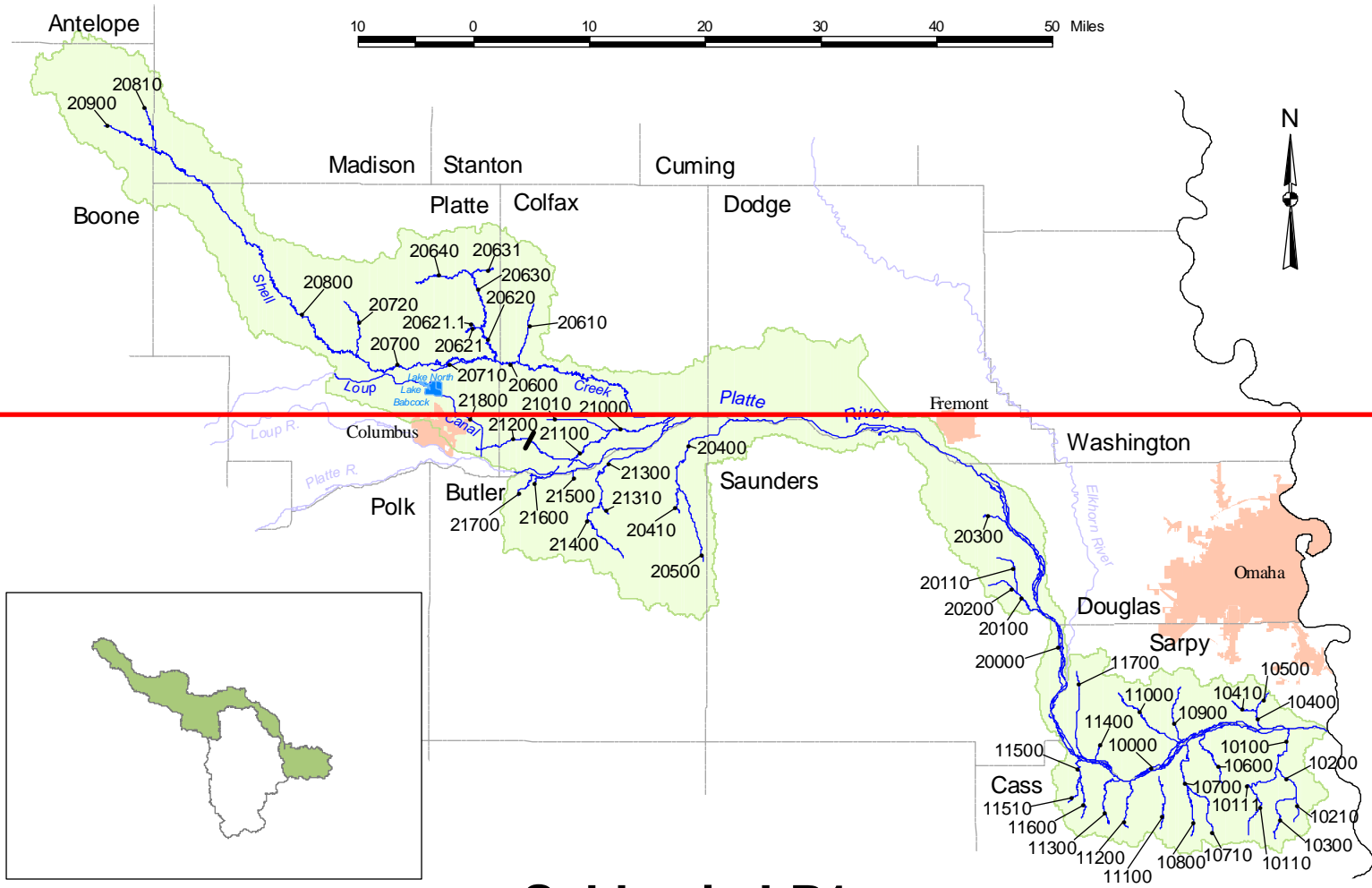
| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|----------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| South Loup River - Mud Creek to Middle Loup River | 10000 | | ● | | A | | A | | ● | 28 , 31 , 35.i | Sensitive Species |
| Mud Creek - Clear Creek to South Loup River | 10100 | | ● | | B | | A | | ● | 28 , 31 , 35 | Sensitive Species |
| Spring Branch | 10110 | | | | B | | A | | ● | 28 | Sensitive Species |
| Clear Creek | 10120 | | | | B | | A | | ● | 28 | Sensitive Species |
| Mud Creek - Headwaters to Clear Creek | 10200 | | ● | | B | | A | | ● | 28 | Sensitive Species |
| Dutchman Valley | 10210 | | | | B | | A | | ● | | |
| South Loup River - Spring Creek to Mud Creek | 20000 | | ● | | A | | A | | ● | 28 , 31 , 35.i | Sensitive Species |
| Spring Creek | 20100 | | | | B | | A | | ● | 28 , 31 | Sensitive Species |
| South Loup River - Unnamed Creek (Sec 28-17N-25W) to Spring Creek | 30000 | | ● | | A | | A | | ● | 3.5 , 6 , 28 , 31.i | Endangered Species , Threatened Species , Sensitive Species |
| Sand Creek (Sec 1-15N-23W) | 30100 | | | | B | | A | | ● | 4.5 , 6 , 28 , 31 | Endangered Species , Threatened Species , Sensitive Species |
| Unnamed Creek (Sec 28-17N-25W) | 30200 | | | | B | | A | | ● | 3.5 , 6 , 28 , 31 | Endangered Species , Threatened Species , Sensitive Species |
| South Loup River - North Fork South Loup River to Unnamed Creek (Sec 28-17N-25W) | 40000 | | ● | | A | | A | | ● | 3.5 , 6 , 28 , 31 , f.i | Endangered Species , Threatened Species , Sensitive Species |
| North Fork South Loup River | 40100 | | | | B | | A | | ● | 3.5 , 6 , 28 | Endangered Species , Threatened Species , Sensitive Species |
| South Loup River - Headwaters to North Fork South Loup River | 50000 | | | | B | | A | | ● | 3.5 , 6 , 13 , 28 , f.i | Endangered Species , Threatened Species , Sensitive Species |

LOWER PLATTE RIVER BASIN (and Subbasins)



Effective Date: _____

Effective Date:



Subbasin LP1

RIVER BASIN: Lower Platte

Subbasin: LP1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS | |
|--------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|-------------------------------------------------------------|----------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| Platte River - Elkhorn River to Missouri River | 10000 | | ● | | A* | ● | A | | | ● | 1,2, 18, 20, 21, 22, 23, 25, 28, 31, 32, 33, 35, h,i,j, v,w | Endangered Species Threatened Species <u>Sensitive Species</u> |
| Fourmile Creek - Eightmile Creek to Platte River | 10100 | | | | B | | A | | | ● | 1,2, 18, 22, 28, 31, 35 | Endangered Species Threatened Species <u>Sensitive Species</u> |
| Eightmile Creek | 10110 | | | | B | | A | | | ● | i | |
| Bachelor Branch | 10111 | | | | B | | A | | | ● | | |
| Fourmile Creek - Unnamed Creek (Sec 34-12N-13E) to Eightmile Creek | 10200 | | | | B | | A | | | ● | | |
| Unnamed Creek (Sec 34-12N-13E) | 10210 | | | | B | | A | | | ● | | |
| Fourmile Creek - Headwaters to Unnamed Creek (Sec 34-12N-13E) | 10300 | | | | B | | A | | | ● | | |
| Zwiebel Creek - Unnamed Creek (Sec 19-13N-13E) to Platte River | 10400 | | | | B | | A | | | ● | 1,2, 18, 22, 28, 31, 35,i | Endangered Species Threatened Species <u>Sensitive Species</u> |
| Unnamed Creek (Sec 19-13N-13E) | 10410 | | | | B | | A | | | ● | 1,2, 18, 22, 28, 31, 35 | Endangered Species Threatened Species <u>Sensitive Species</u> |
| Zwiebel Creek - Headwaters to Unnamed Creek (Sec 19-13N-13E) | 10500 | | | | B | | A | | | ● | 1,2, 18, 22, 28, 31, 35 | Endangered Species Threatened Species <u>Sensitive Species</u> |

*Site-specific water quality criteria for ammonia are assigned (see Chapter 4, 003.02B).

RIVER BASIN: Lower Platte

Subbasin: LP1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|--------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|---------------------------|---------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Turkey Creek | 10600 | | | | B | | A | | ● | 1.2, 18, 22, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Cedar Creek - Unnamed Creek (Sec 30-12N-12E) to Platte River | 10700 | | | | B | | A | | ● | 1.2, 18, 22, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Unnamed Creek (Sec 30-12N-12E) | 10710 | | | | B | | A | | ● | | |
| Cedar Creek - Headwaters to Unnamed Creek (Sec 30-12N-12E) | 10800 | | | | B | | A | | ● | | |
| Springfield Creek | 10900 | | | | B | | A | | ● | 1.2, 18, 22, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Buffalo Creek | 11000 | | | | B | | A | | ● | 1.2, 18, 22, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Mill Creek | 11100 | | | | B | | A | | ● | 1.2, 18, 22, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Decker Creek | 11200 | | ● | | B | | A | | ● | 1.2, 18, 22, 28, 31, 35,i | Endangered Species Threatened Species Sensitive Species |
| Fountain Creek | 11300 | | | | B | | A | | ● | 1.2, 18, 22, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Unnamed Creek (Sec 11-12N-10E) | 11400 | | | | B | | A | | ● | 1.2, 18, 22, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |

RIVER BASIN: Lower Platte

Subbasin: LP1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | KEY SPECIES | COMMENTS | |
|---------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|----------------------------------------|---------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | INDUSTRIAL | | | |
| Pawnee Creek - West Branch Pawnee Creek to Platte River | 11500 | | | | B | | A | | | ● | 1.2, 18, 22, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| West Branch Pawnee Creek | 11510 | | | | B | | A | | | ● | 22, 28, 31, 35 | Sensitive Species |
| Pawnee Creek - Headwaters to West Branch Pawnee Creek | 11600 | | | | B | | A | | | ● | 22, 28, 31, 35 | Sensitive Species |
| Western Sarpy Ditch | 11700 | | | | B | | A | | | ● | 1.2, 18, 22, 28, 31, 33, 35 | Endangered Species Threatened Species Sensitive Species |
| Salt Creek (see subbasin LP2) | ----- | | | | | | | | | | | |
| Elkhorn River (see Elkhorn River Basin) | ----- | | | | | | | | | | | |
| Platte River - Clear Creek to Elkhorn River | 20000 | | ● | | A* | ● | A | | | ● | 1.2, 18, 22, 24, 28, 31, 33, 35, i,j,w | Endangered Species Threatened Species Sensitive Species |
| Clear Creek - Upper Clear Creek to Platte River | 20100 | | | | B | | A | | | ● | 1.2, 18, 22, 24, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Upper Clear Creek | 20110 | | | | B | | A | | | ● | 1.2, 18, 22, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |

*Site-specific water quality criteria for ammonia are assigned (see Chapter 4, 003.02B).

RIVER BASIN: Lower Platte

Subbasin: LP1

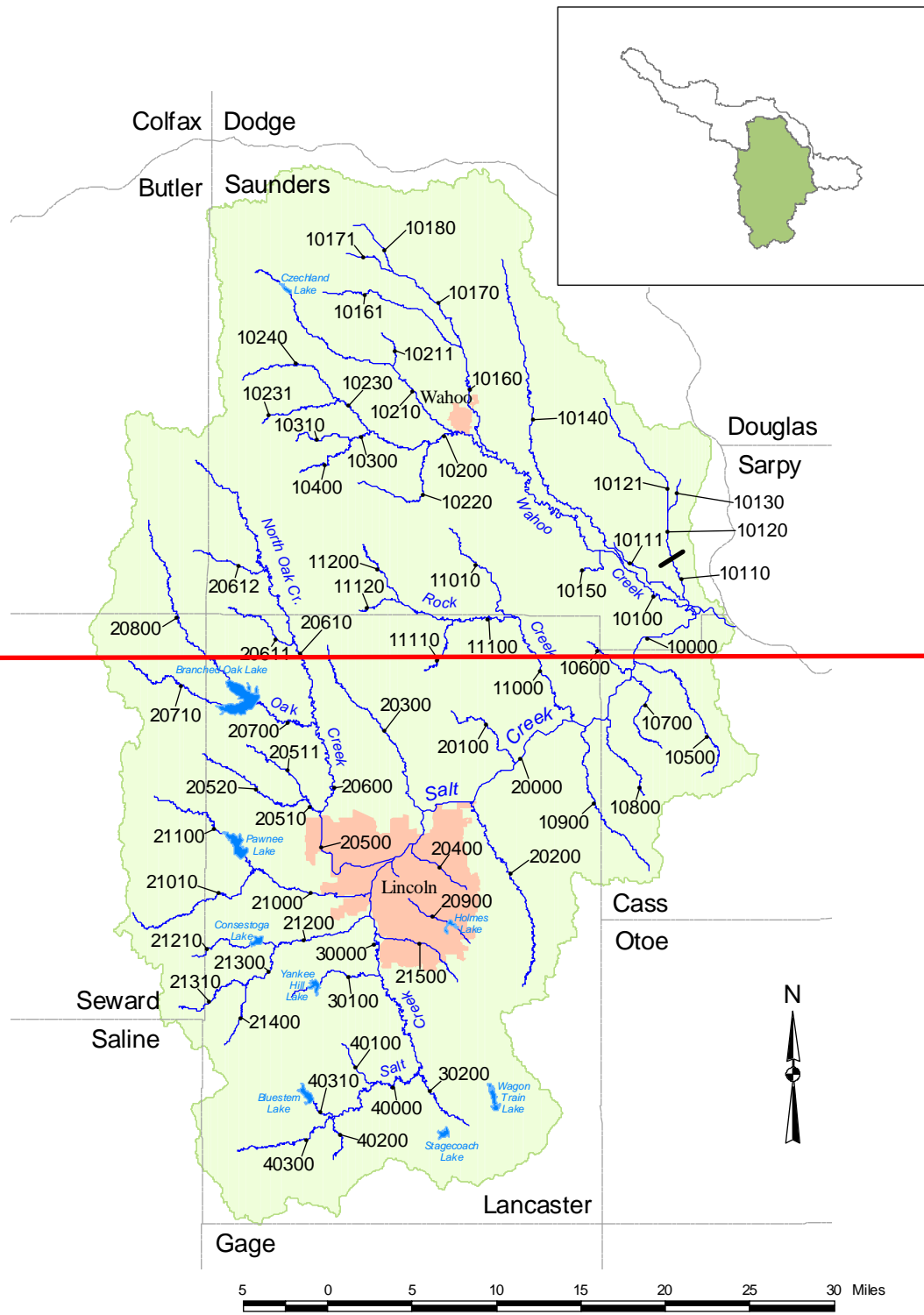
| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | KEY SPECIES | COMMENTS |
|--------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------------------|---------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | INDUSTRIAL | | |
| Clear Creek - Headwaters to Upper Clear Creek | 20200 | | | | B | | A | | ● | 1.2, 18, 22, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Otoe Creek | 20300 | | | | B | | A | | ● | 1.2, 18, 22, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Skull Creek - Unnamed Creek (Sec 15-16N-4E) to Platte River | 20400 | | | | B | | A | | ● | 1.2, 18, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Unnamed Creek (Sec 15-16N-4E) | 20410 | | | | B | | A | | ● | | |
| Skull Creek - Headwaters to Unnamed Creek (Sec 15-16N-4E) | 20500 | | | | B | | A | | ● | | |
| Shell Creek - Loseke Creek to Platte River | 20600 | | ● | | A | | A | | ● | 1.2, 18, 28, 31, 35,i | Endangered Species Threatened Species Sensitive Species |
| Taylor Creek | 20610 | | | | B | | A | | ● | | |
| Loseke Creek - Schaad Creek to Shell Creek | 20620 | | | | B | | A | | ● | | |
| Schaad Creek | 20621 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 3-18N-1E) | 20621.1 | | | | B | | A | | ● | | |
| Loseke Creek - Unnamed Creek (Sec 10-19N-1E) to Schaad Creek | 20630 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 10-19N-1E) | 20631 | | | | B | | A | | ● | | |
| Loseke Creek - Headwaters to Unnamed Creek (Sec 10-19N-1E) | 20640 | | | | B | | A | | ● | | |
| Shell Creek - Elm Creek to Loseke Creek | 20700 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 22-18N-1E) | 20710 | | | | B | | A | | ● | | |
| Elm Creek | 20720 | | | | B | | A | | ● | | |
| Shell Creek - North Shell Creek to Elm Creek | 20800 | | | | B | | A | | ● | 23 | Sensitive Species |
| North Shell Creek | 20810 | | | | B | | A | | ● | 23 | Sensitive Species |
| Shell Creek - Headwaters to North Shell Creek | 20900 | | | | B | | A | | ● | 23 | Sensitive Species |

RIVER BASIN: Lower Platte

Subbasin: LP1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|----------------|-----------------------|--------------|------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Lost Creek - Shonka Ditch to Platte River | 21000 | | | | A ² | | A | | ● | 1.2 , 18 , 28 , 31 , 35 , i | Endangered Species , Threatened Species , Sensitive Species |
| Shonka Ditch - Headwaters to Lost Creek | 21010 | | | | B | | A | | ● | 28 , 31 , 35 | Sensitive Species |
| Lost Creek - Sec 21-17N-2E to Shonka Ditch | 21100 | | | | B | | A | | ● | 1.2 , 18 , 28 , 31 , 35 | Endangered Species , Threatened Species , Sensitive Species |
| Lost Creek - Headwaters to Sec 21-17N-2E | 21200 | | | | B | | A | | ● | 1.2 , 18 , 28 , 31 , 35 | Endangered Species , Threatened Species , Sensitive Species |
| Bone Creek - Unnamed Creek (Sec 21-16N3E) to Platte River- | 21300 | | | | B | | A | | ● | 1.2 , 18 , 28 , 31 , 35 | Endangered Species , Threatened Species , Sensitive Species |
| Unnamed Creek (Sec 21-16N-3E) | 21310 | | | | B | | A | | ● | | |
| Bone Creek - Headwaters to Unnamed Creek (Sec 21-16N-3E) | 21400 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 6-16N-3E) | 21500 | | | | B | | A | | ● | 1.2 , 18 , 28 , 31 , 35 | Endangered Species , Threatened Species , Sensitive Species |
| Deer Creek | 21600 | | | | B | | A | | ● | 1.2 , 18 , 28 , 31 , 35 | Endangered Species , Threatened Species , Sensitive Species |
| Unnamed Creek (Sec 10-16N-2E) | 21700 | | | | B | | A | | ● | 1.2 , 18 , 28 , 31 , 35 | Endangered Species , Threatened Species , Sensitive Species |
| Loup River Canal - Sec 28-18N-2W to Sec 35-17N-1E (enters Lower Platte River Basin from Loup River; exits into Middle Platte River Basin - see subbasins LO1 and MP1) | 21800 | | ● | | A | | A | ● | ● | 1.2 , 18 , 28 , 31 , 35 , i , j | Endangered Species , Threatened Species , Sensitive Species |
| Clear Creek (see Middle Platte River Basin) | ----- | | | | | | | | | | |

*Site-specific water quality criteria for ammonia are assigned (see Chapter 4, 003.02B).



Subbasin LP2

RIVER BASIN: Lower Platte

Subbasin: LP2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS |
|-----------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|------------------------------|---------------------------------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | |
| Salt Creek - Rock Creek to Platte River | 10000 | | ● | | A* | | B | | ● | 1.2, 18, 22, 28, 31, 35, i,w | Endangered Species Threatened Species Sensitive Species |
| Wahoo Creek - Sand Creek to Salt Creek | 10100 | | ● | | A | | A | | ● | 1.2, 18, 22, 28, 31, 35,i | Endangered Species Threatened Species Sensitive Species |
| Clear Creek - Sec 14-13N-9E to Wahoo Creek | 10110 | | ● | | A | | A | | ● | 22, 28, 31, 35,i | Sensitive Species |
| Silver Creek | 10111 | | | | B | | A | | ● | 31, 35 | Sensitive Species |
| Clear Creek - Johnson Creek to Sec 14-13N-9E | 10120 | | | | B | | A | | ● | 35 | |
| Johnson Creek | 10121 | | | | B | | A | | ● | 35 | |
| Clear Creek - Headwaters to Johnson Creek | 10130 | | | B | | | A | | ● | 8, 35 | Sensitive Species |
| Silver Creek | 10140 | | | | B | | A | | ● | 31 | Sensitive Species |
| Mosquito Creek | 10150 | | | | B | | A | | ● | 31 | Sensitive Species |
| Sand Creek - Duck Creek to Wahoo Creek | 10160 | | | | B | | A | | ● | 31 | Sensitive Species |
| Duck Creek | 10161 | | | | B | | A | | ● | | |
| Sand Creek - Spring Creek to Duck Creek | 10170 | | | | B | | A | | ● | | |
| Spring Creek | 10171 | | | | B | | A | | ● | | |
| Sand Creek - Headwaters to Spring Creek | 10180 | | | | B | | A | | ● | | |
| Wahoo Creek - North Fork Wahoo Creek to Sand Creek | 10200 | | | | A | | A | | ● | 31,i | Sensitive Species |
| Cottonwood Creek | 10210 | | | | B | | A | | ● | 31 | Sensitive Species |
| Unnamed Creek (Sec 23-15N-6E) | 10211 | | | | B | | A | | ● | | |
| Miller Branch | 10220 | | | | B | | A | | ● | 31 | Sensitive Species |
| North Fork Wahoo Creek - Unnamed Creek (Sec 32-15N-6E) to Wahoo Creek | 10230 | | | | B | | A | | ● | 31 | Sensitive Species |

*Site-specific water quality criteria for ammonia are assigned (see Chapter 4, 003.02B).

RIVER BASIN: Lower Platte

Subbasin: LP2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS |
|----------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|------------------|-------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | INDUSTRIAL | |
| Unnamed Creek (Sec 32-15N-6E) | 10231 | | | | B | | A | | ● | 31 | Sensitive Species |
| North Fork Wahoo Creek - Headwaters to Unnamed Creek (Sec 32-15N-6E) | 10240 | | | | B | | A | | ● | 31 | Sensitive Species |
| Wahoo Creek - Dunlap Creek to North Fork Wahoo Creek | 10300 | | | | B | | A | | ● | 31 | Sensitive Species |
| Dunlap Creek | 10310 | | | | B | | A | | ● | 31 | Sensitive Species |
| Wahoo Creek - Headwaters to Dunlap Creek | 10400 | | | | B | | A | | ● | 31 | Sensitive Species |
| Callahan Creek | 10500 | | | | B | | A | | ● | 31, 35 | Sensitive Species |
| Robinson Creek | 10600 | | | | B | | A | | ● | 31, 35 | Sensitive Species |
| Greenwood Creek | 10700 | | | | B | | A | | ● | 31, 35 | Sensitive Species |
| Dee Creek | 10800 | | | | B | | A | | ● | 31, 35 | Sensitive Species |
| Camp Creek | 10900 | | | | B | | A | | ● | 31, 35 | Sensitive Species |
| Rock Creek - North Fork Rock Creek to Salt Creek | 11000 | | | | A | | A | | ● | 31, 35, 36, i | Sensitive Species |
| North Fork Rock Creek | 11010 | | | | B | | A | | ● | 31, 35, 36 | Sensitive Species |
| Rock Creek - Little Rock Creek to North Fork Rock Creek | 11100 | | | | B | | A | | ● | 31, 35, 36 | Sensitive Species |
| Ash Hollow Creek | 11110 | | | | B | | A | | ● | 31, 36 | Sensitive Species |
| Little Rock Creek | 11120 | | | | B | | A | | ● | | |
| Rock Creek - Headwaters to Little Rock Creek | 11200 | | | | B | | A | | ● | | |
| Salt Creek - Beal Slough to Rock Creek | 20000 | | ● | | A* | | B | | ● | 31, 35, 36, i, w | Sensitive Species |
| Jordan Creek | 20100 | | | | B | | A | | ● | 31, 35 | Sensitive Species |
| Stevens Creek | 20200 | | | | B | | A | | ● | 31, 35 | Sensitive Species |

*Site-specific water quality criteria for ammonia are assigned (see Chapter 4, 003.02B).

RIVER BASIN: Lower Platte

Subbasin: LP2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | KEY SPECIES | COMMENTS |
|--------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|-------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | INDUSTRIAL | | |
| Little Salt Creek | 20300 | | | | B | | B | | ● | 31, 36 | Sensitive Species |
| Dead Man's Run | 20400 | | ● | | B | | A | | ● | 31, 35 | Sensitive Species |
| Oak Creek - Elk Creek to Salt Creek | 20500 | | ● | | A | | B | | ● | 31, 35, 36 | Sensitive Species |
| Elk Creek - West Oak Creek to Oak Creek | 20510 | | | | B | | A | | ● | | |
| West Oak Creek | 20511 | | | | B | | A | | ● | | |
| Elk Creek - Headwaters to West Oak Creek | 20520 | | | | B | | A | | ● | | |
| Oak Creek - North Oak Creek to Elk Creek | 20600 | | ● | | B | | A | | ● | | |
| North Oak Creek | 20610 | | | | B | | A | | ● | | |
| Wagon Tongue Creek | 20611 | | | | B | | A | | ● | | |
| Bates Branch | 20612 | | | | B | | A | | ● | | |
| Oak Creek - Middle Oak Creek to North Oak Creek | 20700 | | | | B | | A | | ● | | |
| Middle Oak Creek | 20710 | | | | B | | A | | ● | | |
| Oak Creek - Headwaters to Middle Oak Creek | 20800 | | | | B | | A | | ● | | |
| Antelope Creek | 20900 | | ● | | B | | B | | ● | 31, 35 | Sensitive Species |
| Middle Creek - South Branch Middle Creek to Salt Creek | 21000 | | | | B | | A | | ● | 31, 36 | Sensitive Species |
| South Branch Middle Creek | 21010 | | | | B | | A | | ● | 29, 36 | Sensitive Species |
| Middle Creek - Headwaters to South Branch Middle Creek | 21100 | | | | B | | A | | ● | 36 | Sensitive Species |
| Haines Branch - Holmes Creek to Salt Creek | 21200 | | | | B | | B | | ● | 31 | Sensitive Species |
| Holmes Creek | 21210 | | | | B | | A | | ● | 29 | Sensitive Species |
| Haines Branch - Cheese Creek to Holmes Creek | 21300 | | | | B | | A | | ● | 29 | Sensitive Species |
| Cheese Creek | 21310 | | | | B | | A | | ● | 29, 33 | Sensitive Species |
| Haines Branch - Headwaters to Cheese Creek | 21400 | | | | B | | A | | ● | 29 | Sensitive Species |
| Beal Slough | 21500 | | ● | | B | | A | | ● | 31 | Sensitive Species |

Effective Date: _____

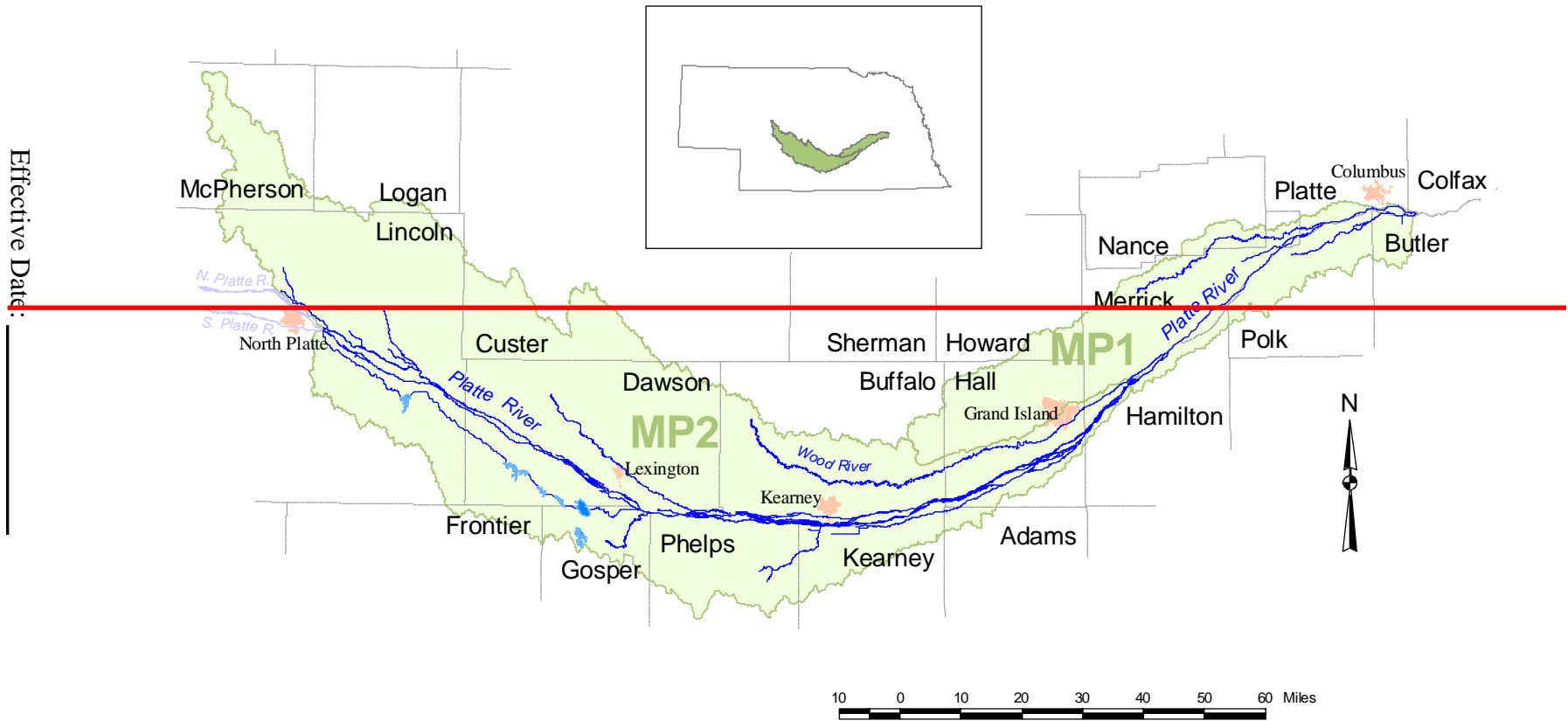
RIVER BASIN: Lower Platte

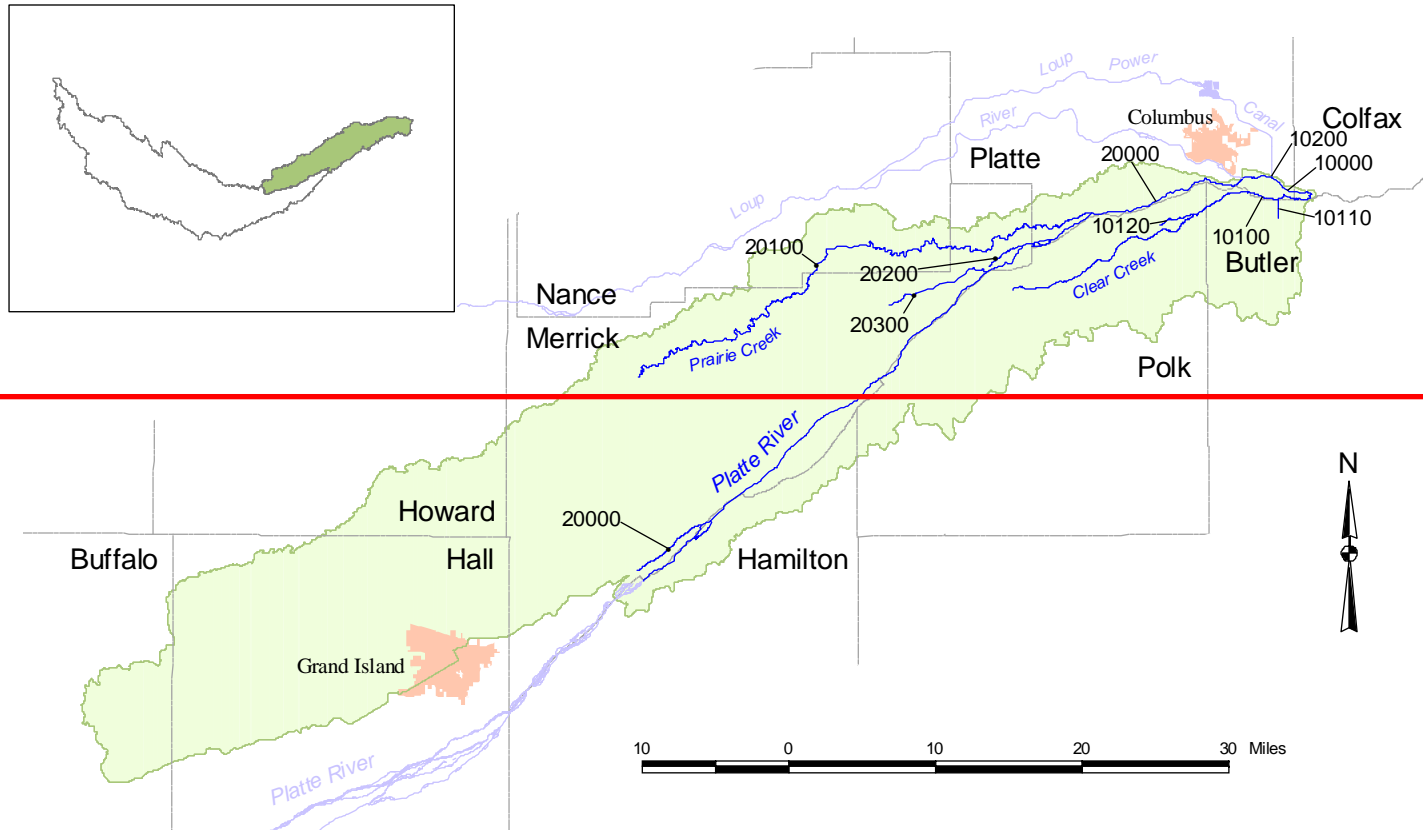
Subbasin: LP2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|-----------------------------------------------------------------------------|----------------|----------------------|------------|--------------|----------------|-----------------------|--------------|------------|-------------|----------------------|--------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Salt Creek - Hickman Branch to Beal Slough | 30000 | | ● | | A ² | | A | | ● | <u>31, 36</u> i,w | <u>Sensitive Species</u> |
| Cardwell Branch | 30100 | | ● | | B | | A | | ● | <u>31, 36</u> | <u>Sensitive Species</u> |
| Hickman Branch | 30200 | | | | B | | A | | ● | <u>31, 36</u> | <u>Sensitive Species</u> |
| Salt Creek - Confluence of Spring Branch and Olive Branch to Hickman Branch | 40000 | | | | B | | A | | ● | <u>31, 36</u> | <u>Sensitive Species</u> |
| Wittstruck Creek | 40100 | | | | B | | A | | ● | <u>31, 36</u> | <u>Sensitive Species</u> |
| Spring Branch | 40200 | | | | B | | A | | ● | | |
| Olive Branch | 40300 | | | | B | | A | | ● | | |
| North Branch | 40310 | | | | B | | A | | ● | | |

*Site-specific water quality criteria for ammonia are assigned (see Chapter 4, 003.02B).

MIDDLE PLATTE RIVER BASIN (and Subbasins)





Subbasin MP1

RIVER BASIN: Middle Platte

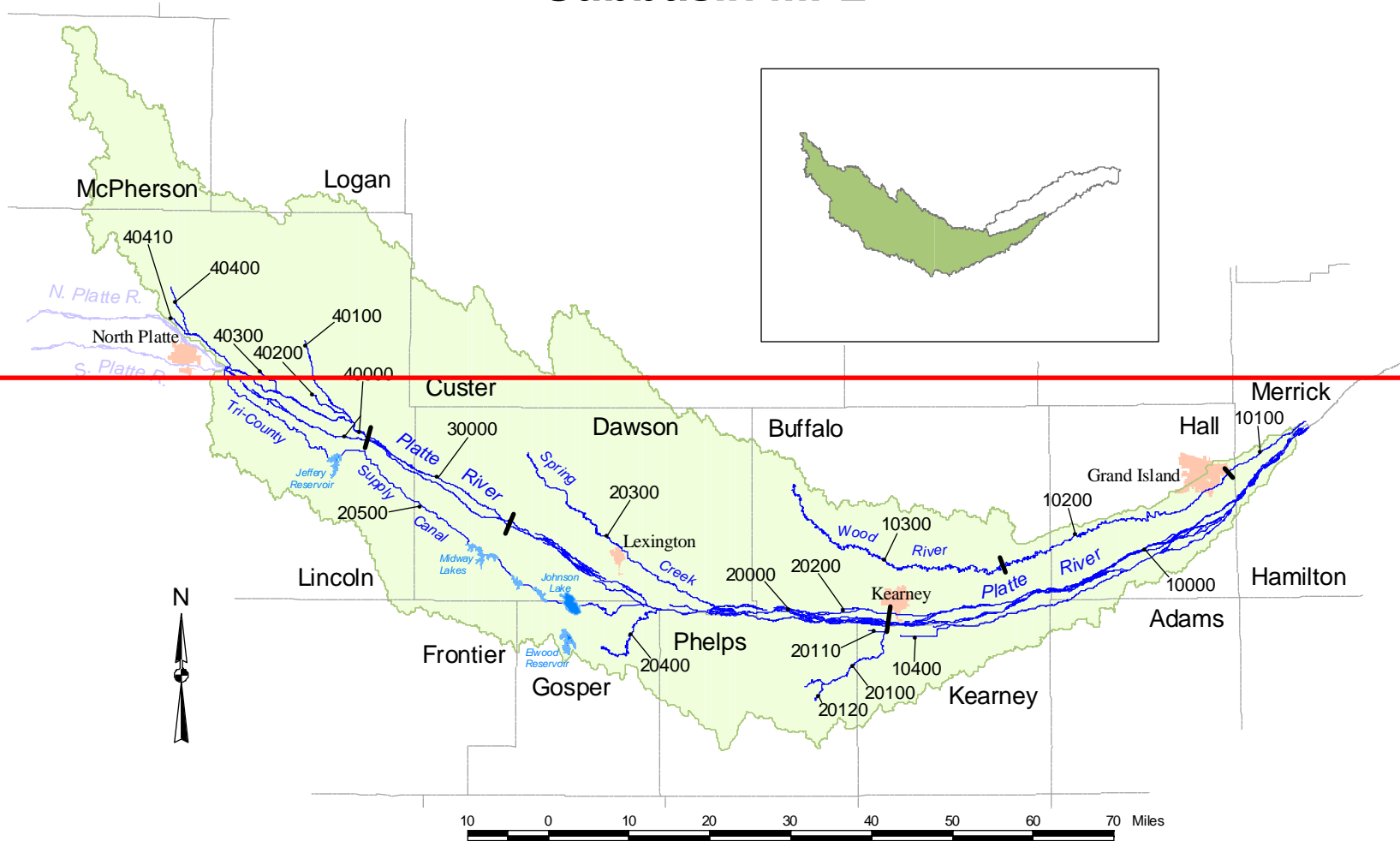
Subbasin: MP1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS |
|--------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL |  |  |  | INDUSTRIAL |
| Platte River - Loup Power Canal (Sec 35-17N-1E) to Clear Creek | 10000 | | ● | | A* | | A | | ● | 1.2 , 18 , 28 , 31 , 35 , i,j Endangered Species , Threatened Species , Sensitive Species |
| Clear Creek | 10100 | | ● | B | | | A | | ● | 1.2 , 18 , 28 , 31 , 35 , f,i,r Endangered Species , Threatened Species , Sensitive Species |
| Wilson Creek | 10110 | | | | B | | A | | ● | 1.2 , 18 , 28 , 31 , 35 Endangered Species , Threatened Species , Sensitive Species |
| South Channel Platte River | 10120 | | | B | | | A | | ● | 28 , 31 , 35 , o Sensitive Species |
| Loup Power Canal - Sec 35-17N-1E to Platte River (enters Middle Platte River Basin from Lower Platte River Basin - see subbasin LP1) | 10200 | | ● | | A | | A | | ● | 1.2 , 18 , 28 , 31 , 35 , i,j Endangered Species , Threatened Species , Sensitive Species |
| Platte River - Wood River to Loup Power Canal (Sec 35-17N-1E) | 20000 | | ● | | A* | | A | | ● | 1.2 , 18 , 28 , 31 , 35 , i,j Endangered Species , Threatened Species , Sensitive Species |
| Prairie Creek | 20100 | | | | B | | A | | ● | 28 , 31 , 35 , i,n Sensitive Species |
| Silver Creek - Sec 34-16N-3W to Platte River (Sec 25-16N-3W) | 20200 | | | | B | | A | | ● | 28 , 31 , 35 Sensitive Species |
| Silver Creek - Headwaters to Platte River (Sec 4-15N-3W) | 20300 | | | | A | | A | | ● | 28 , 31 , 35 Sensitive Species |

*Site specific water quality criteria for ammonia are assigned (see Chapter 4, 003.02B).

Subbasin MP2

Effective Date:



RIVER BASIN: Middle Platte

Subbasin: MP2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS | |
|-------------------------------------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|-------------------------------------------|---------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| Platte River - Kearney Canal Return (Sec 11-8N-16W) to Wood River | 10000 | | ● | | A* | ● | A | | | ● | 28, 31, 35, i,j | Sensitive Species |
| Wood River - Grand Island Utilities Ditch (Sec 13-11N-9W) to Platte River | 10100 | | | | A* | | A | | | ● | 28, 31, 35,i | Sensitive Species |
| Wood River - Sec 12-9N-14W to Grand Island Utilities Ditch (Sec 13-11N-9W) | 10200 | | | | B** | | A | | | ● | i | |
| Wood River - Headwaters to Sec 12-9N-14W | 10300 | | | | B | | A | | | ● | i | |
| Crooked Creek | 10400 | | | | B | | A | | | ● | 28, 31, 35 | Sensitive Species |
| Platte River - Dawson County Canal Diversion (Sec 18-10N-23W) to Kearney Canal Return (Sec 11-8N-16W) | 20000 | | ● | | A* | | A | | | ● | 28, 31, 35, i,j | Sensitive Species |
| North Dry Creek | 20100 | | | | B | | A | | | ● | 28, 31, 35,i | Sensitive Species |
| Whiskey Slough | 20110 | | | | B | | A | | | ● | 28, 31, 35 | Sensitive Species |
| Unnamed Creek (Sec 29-7N-17W) | 20120 | | | | B | | A | | | ● | | |
| Turkey Creek | 20200 | | ● | | B | | A | | | ● | 28, 31, 35 | Sensitive Species |
| Spring Creek | 20300 | | ● | | A | | A | | | ● | 28, 31, 35 | Sensitive Species |
| Plum Creek | 20400 | | | | A | | A | | | ● | 28, 31, 35 | Sensitive Species |
| Tri-County Supply Canal - North Platte Diversion Dam (Sec 7-13N-29W) to J-2 Return on Platte River (Sec 2-8N-21W) | 20500 | | ● | | A | | A | ● | ● | ● | 3,5, 6,8, 28, 31, 33, 35,i, j,l,n, o,s, w | Endangered Species Threatened Species Sensitive Species |

*Site-specific water quality criteria for ammonia are assigned (see Chapter 4, 003.02B).

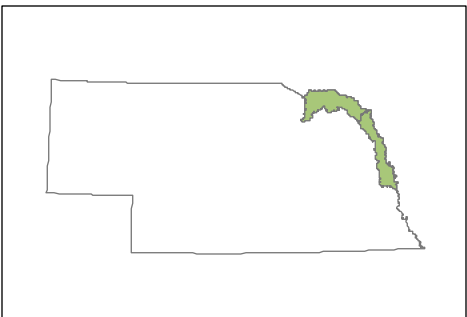
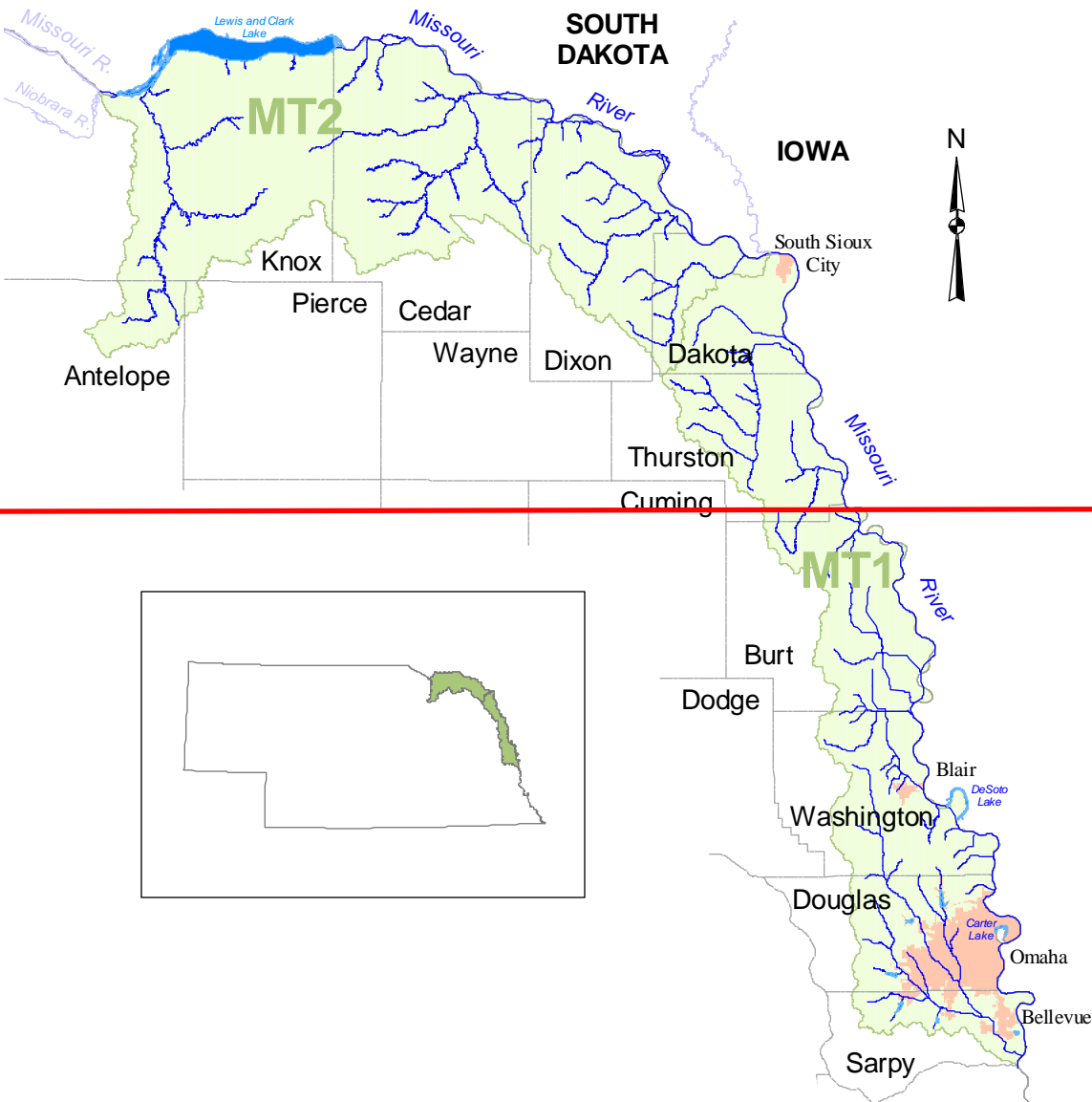
**Seasonal designation, applies from March 1 through October 31.

RIVER BASIN: Middle Platte

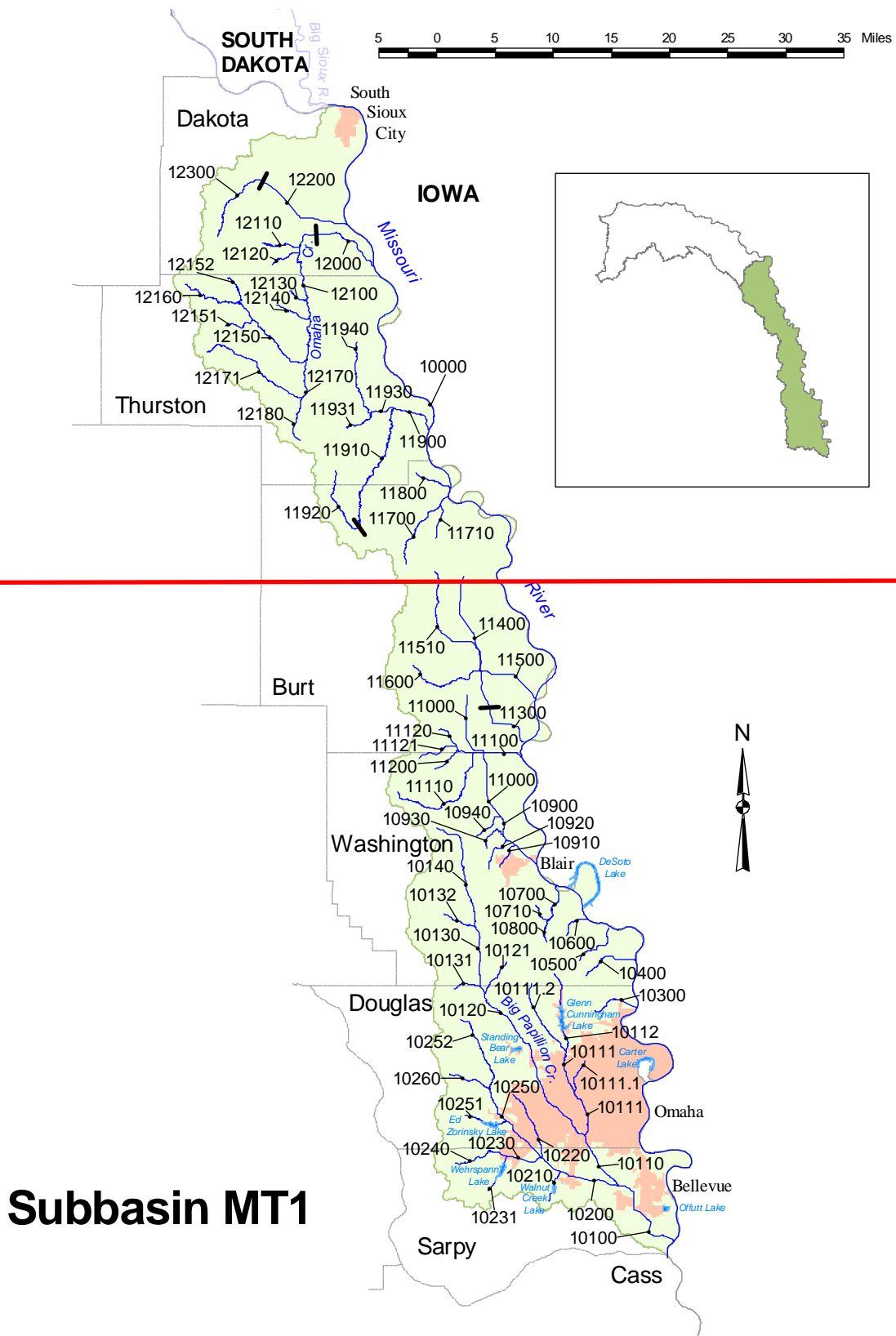
Subbasin: MP2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|---------------------------------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|----------------|-----------------------|--------------|------------|-------------|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Platte River - Thirty Mile Canal Diversion (Sec 30-12N-26W) to Dawson County Canal Diversion (Sec 18-10N-23W) | 30000 | | ● | | A [±] | | A | | ● | <u>28</u> , <u>31</u> , <u>35</u> , i,j | <u>Sensitive Species</u> |
| Platte River - Confluence of North and South Platte Rivers to Thirty Mile Canal Diversion (Sec 30-12N-26W) | 40000 | | ● | | A [±] | | A | | ● | <u>3.5</u> , <u>6</u> , <u>31</u> , <u>33</u> , <u>35</u> , i,j | <u>Endangered Species</u> <u>Threatened Species</u> <u>Sensitive Species</u> |
| Pawnee Creek | 40100 | | | | B | | A | | ● | <u>3</u> , <u>31</u> , <u>35</u> | <u>Threatened Species</u> <u>Sensitive Species</u> |
| Pawnee Slough | 40200 | | ● | | B | | A | | ● | <u>3</u> , <u>31</u> , <u>35</u> | <u>Threatened Species</u> <u>Sensitive Species</u> |
| Unnamed Slough (Sec 29-13N-28W) | 40300 | | | | B | | A | | ● | <u>3.5</u> , <u>6</u> , <u>31</u> , <u>35</u> | <u>Endangered Species</u> <u>Threatened Species</u> <u>Sensitive Species</u> |
| White Horse Creek | 40400 | | ● | B | | | A | | ● | <u>3.5</u> , <u>6</u> , <u>31</u> , <u>33</u> , <u>35</u> , f,i,n | <u>Endangered Species</u> <u>Threatened Species</u> <u>Sensitive Species</u> |
| Unnamed Creek (Sec 21-14N-30W) | 40410 | | | | B | | A | | ● | <u>3.5</u> , <u>6</u> , <u>31</u> , <u>33</u> , <u>35</u> | <u>Endangered Species</u> <u>Threatened Species</u> <u>Sensitive Species</u> |

*Site-specific water quality criteria for ammonia are assigned (see Chapter 4, 003.02B).



MISSOURI TRIBUTARIES RIVER BASIN (and Subbasins)



RIVER BASIN: Missouri Tributaries

Subbasin: MT1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS | |
|----------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|-------------------------------------------------------------------|----------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| Missouri River - Big Sioux River to Platte River | 10000 | | ● | | A | | ● | A | ● | ● | 1,2, 18, 20, 21, 22, 23, 25, 27, 28, 31, 32, 33, 35, 36, b,h, i,j | Endangered Species Threatened Species <u>Sensitive Species</u> |
| Papillion Creek - Big Papillion Creek to Missouri River | 10100 | | ● | | A | | | A | | ● | 1,2, 18, 20, 21, 22, 23, 25, 28, 31, 32, 35,i | Endangered Species Threatened Species <u>Sensitive Species</u> |
| Big Papillion Creek - Little Papillion Creek to Papillion Creek | 10110 | | ● | | A | | | A | | ● | | |
| Little Papillion Creek - Thomas Creek to Big Papillion Creek | 10111 | | ● | | B | | | A | | ● | | |
| Cole Creek | 10111.1 | | ● | | B | | | A | | ● | | |
| Thomas Creek | 10111.2 | | | | B | | | A | | ● | | |
| Little Papillion Creek - Headwaters to Thomas Creek | 10112 | | | | B | | | A | | ● | | |
| Big Papillion Creek - Butter Flat Creek to Little Papillion Creek | 10120 | | ● | | A | | | A | | ● | | |
| Butter Flat Creek | 10121 | | | | B | | | A | | ● | | |
| Big Papillion Creek - Northwest Branch (Sec 5-17N-9E) to Butter Flat Creek | 10130 | | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 4-16N-11E) | 10131 | | | | B | | | A | | ● | | |
| Northwest Branch (Sec 5-17N-11E) | 10132 | | | | B | | | A | | ● | | |
| Big Papillion Creek - Headwaters to Northwest Branch (Sec 5-17N-11E) | 10140 | | | | B | | | A | | ● | | |
| Papillion Creek - South Papillion Creek to Big Papillion Creek | 10200 | | ● | | A | | | A | | ● | | |
| Walnut Creek | 10210 | | | | B | | | A | | ● | | |

Effective Date: _____

RIVER BASIN: Missouri Tributaries

Subbasin: MT1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS |
|-----------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | |
| Hell Creek | 10220 | | | | B | | A | | | ● | |
| South Papillion Creek - Unnamed Creek (Sec 14-14N-11E) to Papillion Creek | 10230 | | | | B | | A | | | ● | |
| Unnamed Creek (Sec 14-14N-11E) | 10231 | | | | B | | A | | | ● | |
| South Papillion Creek - Headwaters to Unnamed Creek (Sec 14-14N-11E) | 10240 | | | | B | | A | | | ● | |
| West Papillion Creek - North Branch West Papillion Creek to Papillion Creek | 10250 | | | | B | | A | | | ● | |
| Boxelder Creek | 10251 | | | | B | | A | | | ● | |
| North Branch West Papillion Creek - Headwaters to West Papillion Creek | 10252 | | | | B | | A | | | ● | |
| West Papillion Creek - Headwaters to North Branch West Papillion Creek | 10260 | | | | B | | A | | | ● | 1.2. , 18. , 22. , 28. , 31. , 33. , 35. <u>Endangered Species</u> , <u>Threatened Species</u> , <u>Sensitive Species</u> |
| Ponca Creek | 10300 | | | | B | | A | | | ● | 1.2. , 18. , 20. , 21. , 22. , 23. , 25. , 31. , 32. , 33. , 35. , 36. <u>Endangered Species</u> , <u>Threatened Species</u> , <u>Sensitive Species</u> |
| Deer Creek | 10400 | | | | B | | A | | | ● | 1.2. , 18. , 20. , 21. , 22. , 23. , 25. , 31. , 32. , 33. , 35. , 36. <u>Endangered Species</u> , <u>Threatened Species</u> , <u>Sensitive Species</u> |

RIVER BASIN: Missouri Tributaries

Subbasin: MT1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | KEY SPECIES | COMMENTS |
|------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|---------------------------------------------|---------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | INDUSTRIAL | | |
| Turkey Creek | 10500 | | | | B | | A | | ● | 1.2, 18, 20, 21, 22, 23, 25, 31, 32, 33, 35 | Endangered Species Threatened Species Sensitive Species |
| Moore's Creek | 10600 | | | | B | | A | | ● | 1.2, 18, 20, 21, 22, 23, 25, 31, 32, 33, 35 | Endangered Species Threatened Species Sensitive Species |
| Long Creek - Mill Creek to Missouri River | 10700 | | | | B | | A | | ● | 1.2, 18, 20, 21, 22, 23, 25, 31, 32, 33, 35 | Endangered Species Threatened Species Sensitive Species |
| Mill Creek | 10710 | | | | B | | A | | ● | 33 | Sensitive Species |
| Long Creek - Headwaters to Mill Creek | 10800 | | | | B | | A | | ● | 33 | Sensitive Species |
| Cameron Ditch - Stuart Creek to Missouri River | 10900 | | | | B | | A | | ● | 1.2, 18, 20, 21, 22, 23, 25, 27, 31, 32, 35 | Endangered Species Threatened Species Sensitive Species |
| Couple Creek | 10910 | | | | B | | A | | ● | 20, 21, 22, 25, 27, 31, 32, 35 | Sensitive Species |
| South Creek | 10920 | | | | B | | A | | ● | 27 | Sensitive Species |

Effective Date: _____

RIVER BASIN: Missouri Tributaries

Subbasin: MT1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS |
|-------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL |  |  |  | INDUSTRIAL |
| North Creek | 10930 | | | | B | | A | | ● | |
| Stuart Creek | 10940 | | | | B | | A | | ● | |
| Cameron Ditch - Headwaters to Stuart Creek | 11000 | | | | B | | A | | ● | |
| Hill Creek - Carr Creek to Missouri River | 11100 | | | | B | | A | | ● | 1.2. Endangered Species 18. Threatened Species 20. Sensitive Species 21. 22. 23. 25. 27. 31. 32. 35. |
| New York Creek | 11110 | | | | B | | A | | ● | |
| Carr Creek | 11120 | | | | B | | A | | ● | |
| Davis Creek | 11121 | | | | B | | A | | ● | |
| Hill Creek - Headwaters to Carr Creek | 11200 | | | | B | | A | | ● | |
| Combination Ditch - Foree Ditch (Sec 3-20N-11E) to Missouri River | 11300 | | | | B | | A | | ● | 1.2. Endangered Species 18. Threatened Species 20. Sensitive Species 21. 22. 23. 25. 27. 31. 32. 35. |
| Combination Ditch - Headwaters to Foree Ditch (Sec 3-20N-11E) | 11400 | | | | B | | A | | ● | |
| Tekamah Creek - Silver Creek to Missouri River | 11500 | | | | B | | A | | ● | 1.2. Endangered Species 18. Threatened Species 20. Sensitive Species 21. 22. 23. 25. 27. 31. 32. 35. |
| Silver Creek | 11510 | | | | B | | A | | ● | |
| Tekamah Creek - Headwaters to Silver Creek | 11600 | | | | B | | A | | ● | |

RIVER BASIN: Missouri Tributaries

Subbasin: MT1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|--------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|-------------------------------------------------|---------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Elm Creek | 11700 | | | | B | | A | | ● | 1.2, 18, 20, 21, 22, 23, 25, 27, 28, 31, 32, 35 | Endangered Species Threatened Species Sensitive Species |
| Lone Tree Creek | 11710 | | | | B | | A | | ● | 1.2, 18, 20, 21, 22, 23, 25, 27, 28, 31, 32, 35 | Endangered Species Threatened Species Sensitive Species |
| Wood Creek | 11800 | | | | B | | A | | ● | 1.2, 18, 20, 21, 22, 23, 25, 27, 28, 31, 32, 35 | Endangered Species Threatened Species Sensitive Species |
| Blackbird Creek - South Blackbird Creek to Missouri River | 11900 | | ● | | A | | A | | ● | 1.2, 18, 20, 21, 22, 23, 25, 27, 28, 31, 32, 35 | Endangered Species Threatened Species Sensitive Species |
| South Blackbird Creek - Unnamed Creek (Sec 15-23N-9E) to Blackbird Creek | 11910 | | | | B | | A | | ● | 28, 31 | Sensitive Species |
| South Blackbird Creek - Headwaters to Unnamed Creek (Sec 15-23N-9E) | 11920 | | | | B | | A | | ● | 28, 31 | Sensitive Species |
| North Blackbird Creek - Unnamed Creek (Sec 26-25N-9E) to Blackbird Creek | 11930 | | | | B | | A | | ● | 28, 31 | Sensitive Species |
| Unnamed Creek (Sec 26-25N-9E) | 11931 | | | | B | | A | | ● | 28 | Sensitive Species |

Effective Date: _____

RIVER BASIN: Missouri Tributaries

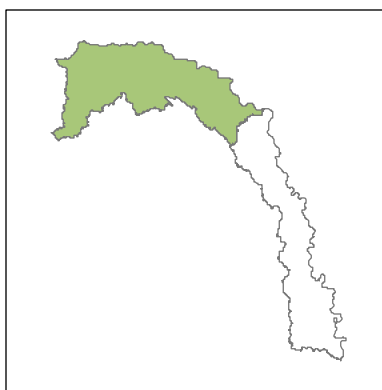
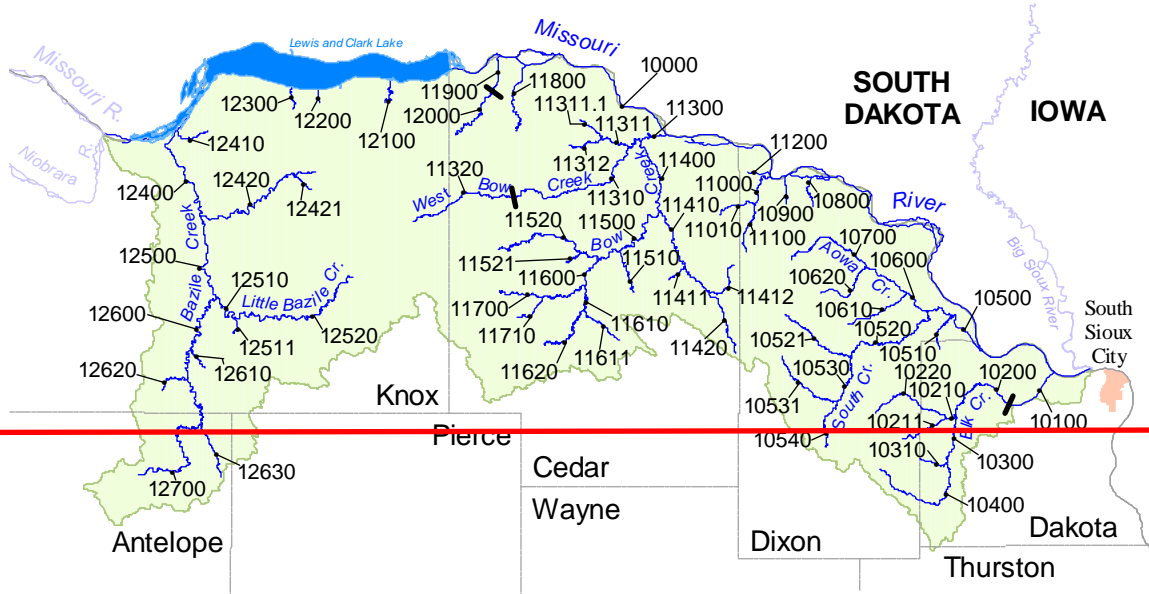
Subbasin: MT1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|---------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| North Blackbird Creek - Headwaters to Unnamed Creek (Sec 26-25N-9E) | 11940 | | | | B | | A | | ● | <u>20.</u> <u>21.</u> <u>22.</u> <u>25.</u> <u>27.</u> <u>28.</u> <u>35.</u> | <u>Sensitive Species</u> |
| Omaha Creek - Sec 12-27N-8E to Missouri River | 12000 | | ● | | A | | A | | ● | <u>1.2.</u> <u>18.</u> <u>20.</u> <u>21.</u> <u>22.</u> <u>23.</u> <u>25.</u> <u>27.</u> <u>28.</u> <u>32.</u> <u>35.i</u> | <u>Endangered Species</u> <u>Threatened Species</u> <u>Sensitive Species</u> |
| Omaha Creek - South Omaha Creek to Sec 12-27N-8E | 12100 | | | | B | | A | | ● | <u>28.</u> | <u>Sensitive Species</u> |
| Fiddlers Creek | 12110 | | | | B | | A | | ● | <u>28.</u> | <u>Sensitive Species</u> |
| Wigle Creek | 12120 | | | | B | | A | | ● | <u>28.</u> | <u>Sensitive Species</u> |
| Turtle Creek | 12130 | | | | B | | A | | ● | <u>28.</u> | <u>Sensitive Species</u> |
| Morgan Creek | 12140 | | | | B | | A | | ● | <u>28.</u> | <u>Sensitive Species</u> |
| North Omaha Creek - Unnamed Creek (Sec 10-26N-7E) to Omaha Creek | 12150 | | | | B | | A | | ● | <u>28.</u> | <u>Sensitive Species</u> |
| Unnamed Creek (Sec 14-26N-7E) | 12151 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 10-26N-7E) | 12152 | | | | B | | A | | ● | | |
| North Omaha Creek - Headwaters to Unnamed Creek (Sec 10-26N-7E) | 12160 | | | | B | | A | | ● | | |
| South Omaha Creek - Cow Creek to Omaha Creek | 12170 | | | | B | | A | | ● | <u>28.</u> | <u>Sensitive Species</u> |
| Cow Creek | 12171 | | | | B | | A | | ● | <u>23.</u> <u>28.</u> | <u>Sensitive Species</u> |
| South Omaha Creek - Headwaters to Cow Creek | 12180 | | | | B | | A | | ● | <u>23.</u> <u>28.</u> | <u>Sensitive Species</u> |
| Pigeon Creek - Sec 13-28N-7E to Missouri River | 12200 | | | | B | | A | | ● | <u>1.2.</u> <u>18.</u> <u>20.</u> <u>21.</u> <u>22.</u> <u>23.</u> <u>25.</u> <u>27.</u> <u>28.</u> <u>32.</u> <u>35.</u> | <u>Endangered Species</u> <u>Threatened Species</u> <u>Sensitive Species</u> |

RIVER BASIN: Missouri Tributaries

Subbasin: MT1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS |
|--------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|------------|----------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | INDUSTRIAL | |
| Pigeon Creek - Headwaters to Sec 13-28N-7E | 12300 | | | | B | | A | | ● | 28 | |
| Big Sioux River (Iowa) | ----- | | | | | | | | | | |



Subbasin MT2

RIVER BASIN: Missouri Tributaries

Subbasin: MT2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | | COMMENTS |
|----------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| Missouri River - Niobrara River to Big Sioux River | 10000 | A* | ● | | A | ● | A | | | ● | 1,2, 18, 19, 20, 21, 22, 23, 25, 27, 28, 31, 32, 33, 34, 35, 36, a,b, i,j,v, w | Endangered Species Threatened Species <u>Sensitive Species</u> Portion of Segment Designated a Recreational River Under the Federal Wild and Scenic Rivers Act |
| Elk Creek - Sec 35-29N-7E to Missouri River | 10100 | | ● | | A | | A | | | ● | 1,2, 18, 20, 21, 22, 23, 25, 27, 28, 32, 35, i,j | <u>Endangered Species</u> <u>Threatened Species</u> <u>Sensitive Species</u> |
| Elk Creek - Otter Creek to Sec 35-29N-7E | 10200 | | | | B | | A | | | ● | 28 | <u>Sensitive Species</u> |
| Otter Creek - Minnow Creek to Elk Creek | 10210 | | | | B | | A | | | ● | 28 | <u>Sensitive Species</u> |
| Minnow Creek | 10211 | | | | B | | A | | | ● | 28 | <u>Sensitive Species</u> |
| Otter Creek - Headwaters to Minnow Creek | 10220 | | | | B | | A | | | ● | 28 | <u>Sensitive Species</u> |
| Elk Creek - Unnamed Creek (Sec 11-27N-6E) to Otter Creek | 10300 | | | | B | | A | | | ● | 28 | <u>Sensitive Species</u> |
| Pigeon Creek | 10310 | | | | B | | A | | | ● | 28 | <u>Sensitive Species</u> |
| Elk Creek - Headwaters to Unnamed Creek (Sec 11-27N-6E) | 10400 | | | | B | | A | | | ● | 28 | <u>Sensitive Species</u> |

*State Resource Water designation applies from Gavins Point Dam to Ponca, Nebraska (Sec 11,T30N,R6E).

RIVER BASIN: Missouri Tributaries

Subbasin: MT2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | KEY SPECIES | COMMENTS |
|--------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-----------------------------------------------|---------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | INDUSTRIAL | | |
| Aowa Creek - South Creek to Missouri River | 10500 | | ● | | A | | A | | ● | 1.2, 18, 20, 21, 22, 23, 25, 27, 28, 32, 35.i | Endangered Species Threatened Species Sensitive Species |
| Badger Creek | 10510 | | | | B | | A | | ● | 1.2, 18, 20, 21, 22, 23, 25, 27, 28, 32, 35 | Endangered Species Threatened Species Sensitive Species |
| South Creek - Daily Branch to Aowa Creek | 10520 | | ● | | A | | A | | ● | 28 | Sensitive Species |
| Daily Branch | 10521 | | ● | | B | | A | | ● | 28 | Sensitive Species |
| South Creek - Jordan Creek to Daily Branch | 10530 | | ● | | B | | A | | ● | 28 | Sensitive Species |
| Jordan Creek | 10531 | | | | B | | A | | ● | 28 | Sensitive Species |
| South Creek - Headwaters to Jordan Creek | 10540 | | | | B | | A | | ● | 28 | Sensitive Species |
| Aowa Creek - Powder Creek to South Creek | 10600 | | | | B | | A | | ● | 28 | Sensitive Species |
| Silver Creek | 10610 | | | | B | | A | | ● | 28 | Sensitive Species |
| Powder Creek | 10620 | | | | B | | A | | ● | 28 | Sensitive Species |
| Aowa Creek - Headwaters to Powder Creek | 10700 | | | | B | | A | | ● | 28 | Sensitive Species |
| Turkey Creek | 10800 | | | | B | | A | | ● | 1.2, 18, 19, 20, 21, 22, 23, 25, 27, 32, 35 | Endangered Species Threatened Species Sensitive Species |

RIVER BASIN: Missouri Tributaries

Subbasin: MT2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | KEY SPECIES | COMMENTS |
|-------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|--------------------------------------------------------------------|---------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | INDUSTRIAL | | |
| Walnut Creek | 10900 | | | | B | | A | | ● | 1.2, 18, 19, 20, 21, 22, 23, 25, 27, 28, 32, 35 | Endangered Species Threatened Species Sensitive Species |
| Lime Creek - West Branch Lime Creek to Missouri River | 11000 | | | | B | | A | | ● | 1.2, 18, 19, 20, 21, 22, 23, 25, 27, 28, 32, 35 | Endangered Species Threatened Species Sensitive Species |
| West Branch Lime Creek | 11010 | | | | B | | A | | ● | 23, 28 | Sensitive Species |
| Lime Creek - Headwaters to West Branch Lime Creek | 11100 | | | | B | | A | | ● | 23, 28 | Sensitive Species |
| Ames Creek | 11200 | | | | B | | A | | ● | 1.2, 18, 19, 20, 21, 22, 23, 25, 27, 28, 32, 35 | Endangered Species Threatened Species Sensitive Species |
| Bow Creek - West Bow Creek to Missouri River | 11300 | | ● | | A | | A | | ● | 1.2, 12, 18, 19, 20, 21, 22, 23, 25, 27, 28, 32, 34, 35, 36, i,j,v | Endangered Species Threatened Species Sensitive Species |

Effective Date: _____

RIVER BASIN: Missouri Tributaries

Subbasin: MT2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|---------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|------------|-------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| West Bow Creek - Unnamed Creek (Sec 1-31N-1W) to Bow Creek | 11310 | | ● | | B | | A | | ● | 12, 23, 28 | Sensitive Species |
| Second Bow Creek - Unnamed Creek (Sec 7-32N-2E) to Bow Creek | 11311 | | | | B | | A | | ● | 12, 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 7-32N-2E) | 11311.1 | | | B | | | A | | ● | 8, 12, 23 | Sensitive Species |
| Second Bow Creek - Headwaters to Unnamed Creek (Sec 7-32N-2E) | 11312 | | | | B | | A | | ● | 12, 23 | Sensitive Species |
| West Bow Creek - Headwaters to Unnamed Creek (Sec 1-31N-1W) | 11320 | | | | B | | A | | ● | 12, 23 | Sensitive Species |
| Bow Creek - East Bow Creek to West Bow Creek | 11400 | | ● | | A | | A | | ● | 12, 23, 28 | Sensitive Species |
| East Bow Creek - Unnamed Creek (Sec 10-30N-3E) to Bow Creek | 11410 | | ● | | B | | A | | ● | 12, 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 32-31N-3E) | 11411 | | | | B | | A | | ● | 23 | Sensitive Species |
| Unnamed Creek (Sec 10-30N-3E) | 11412 | | | | B | | A | | ● | 23 | Sensitive Species |
| East Bow Creek - Headwaters to Unnamed Creek (Sec 10-30N-3E) | 11420 | | | | B | | A | | ● | 23 | Sensitive Species |
| Bow Creek - Norwegian Bow Creek to East Bow Creek | 11500 | | | | B | | A | | ● | 12, 23, 28 | Sensitive Species |
| Dead Creek | 11510 | | | | B | | A | | ● | 12, 23, 28 | Sensitive Species |
| Norwegian Bow Creek | 11520 | | | | B | | A | | ● | 12, 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 26-31N-1E) | 11521 | | | | B | | A | | ● | 12, 23, 28 | Sensitive Species |
| Bow Creek - Pearl Creek to Norwegian Bow Creek | 11600 | | | | B | | A | | ● | 12, 23, 28 | Sensitive Species |
| Pearl Creek - Kerloo Creek to Bow Creek | 11610 | | | | B | | A | | ● | 23 | Sensitive Species |
| Kerloo Creek | 11611 | | | | B | | A | | ● | 23 | Sensitive Species |
| Pearl Creek - Headwaters to Kerloo Creek | 11620 | | | | B | | A | | ● | 23 | Sensitive Species |
| Bow Creek - Headwaters to Pearl Creek | 11700 | | | | B | | A | | ● | 12, 23 | Sensitive Species |

RIVER BASIN: Missouri Tributaries

Subbasin: MT2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS | |
|--------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| Unnamed Creek (Sec 17-30N-1E) | 11710 | | | | B | | A | | | ● | 12, 23 | Sensitive Species |
| Antelope Creek | 11800 | | | | B | | A | | | ● | 1.2, 12, 18, 19, 20, 21, 22, 23, 25, 27, 28, 33, 34, 35, 36 | Endangered Species Threatened Species Sensitive Species |
| Beaver Creek - Sec 22-33N-1W to Missouri River | 11900 | | | | B | | A | | | ● | 1.2, 12, 18, 19, 20, 21, 22, 23, 25, 27, 28, 33, 34, 35, 36 | Endangered Species Threatened Species Sensitive Species |
| Beaver Creek - Headwaters to Sec 22-33N-1W | 12000 | | | | B | | A | | | ● | 12, 23, 28 | Sensitive Species |
| Weigand Creek - Headwaters to Lewis and Clark Lake | 12100 | | | | B | | A | | | ● | 1.2, 12, 18, 21, 22, 23, 25, 27, 33 | Endangered Species Threatened Species Sensitive Species |
| Devils Nest Creek - Headwaters to Lewis and Clark Lake | 12200 | | | | B | | A | | | ● | 1.2, 12, 18, 21, 22, 23, 25, 27, 33 | Endangered Species Threatened Species Sensitive Species |

Effective Date: _____

RIVER BASIN: Missouri Tributaries

Subbasin: MT2

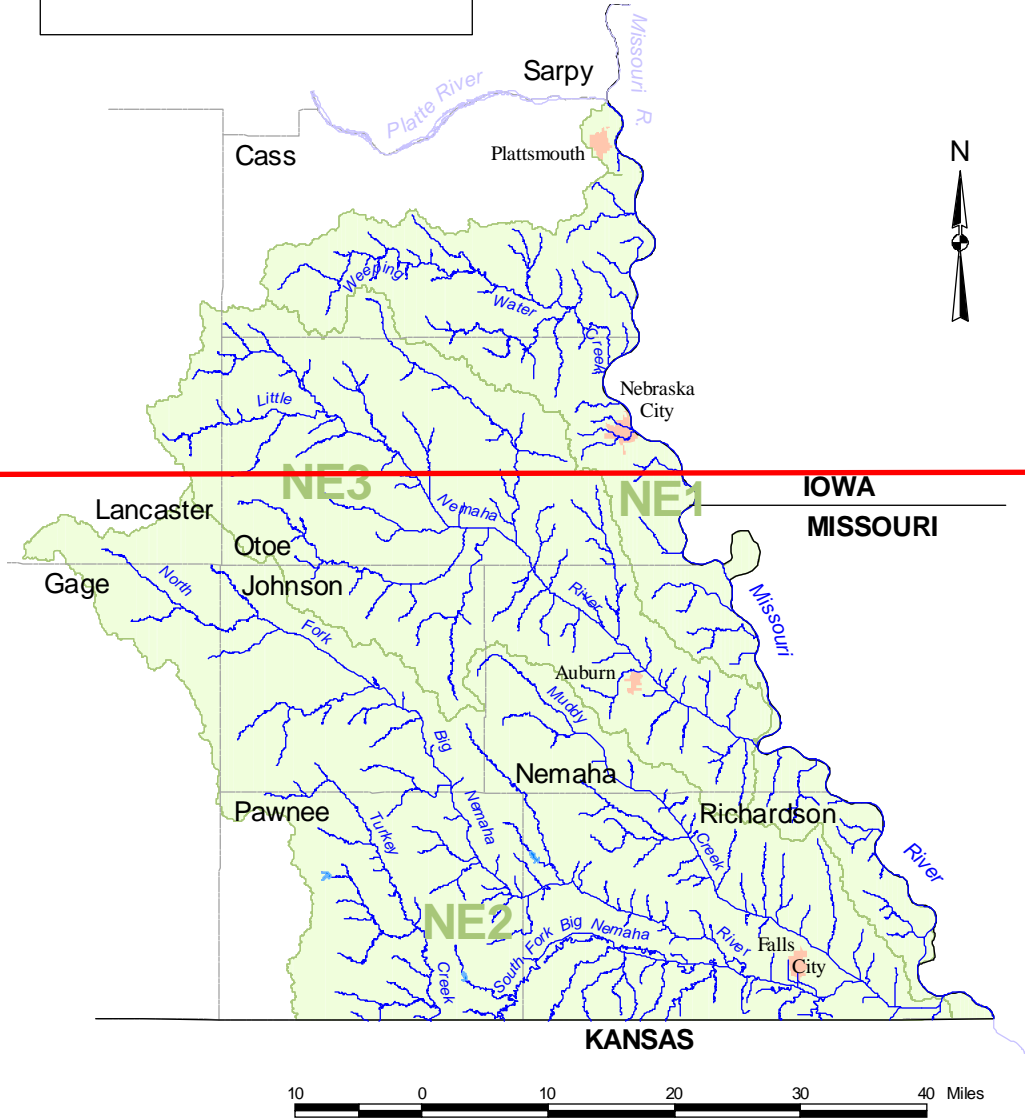
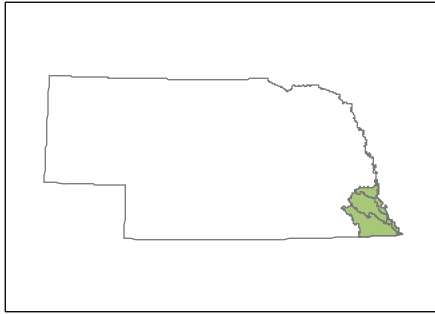
| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | KEY SPECIES | COMMENTS | |
|---------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|-------------------------------------|---------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | INDUSTRIAL | | | |
| Cooks Creek - Headwaters to Lewis and Clark Lake | 12300 | | | | B | | A | | | ● | 1.2, 12, 18, 21, 22, 23, 25, 27, 33 | Endangered Species Threatened Species Sensitive Species |
| Bazile Creek - Howe Creek to Missouri River | 12400 | | ● | | A | | A | | | ● | 1.2, 12, 18, 21, 22, 23, 28,i | Endangered Species Threatened Species Sensitive Species |
| Lost Creek | 12410 | | | | B | | A | | | ● | 1.2, 12, 18, 21, 22, 23, 28 | Endangered Species Threatened Species Sensitive Species |
| Howe Creek | 12420 | | | B | | | A | | | ● | 12, 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 25-32N-4W) | 12421 | | | | B | | A | | | ● | 12, 23 | Sensitive Species |
| Bazile Creek - Little Bazile Creek to Howe Creek | 12500 | | ● | | A | | A | | | ● | 12, 23, 28,i | Sensitive Species |
| Little Bazile Creek - Unnamed Creek (Sec 30-30N-4W) to Bazile Creek | 12510 | | | | B | | A | | | ● | 12, 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 30-30N-4W) | 12511 | | | | B | | A | | | ● | 12, 23 | Sensitive Species |
| Little Bazile Creek - Headwaters to Unnamed Creek (Sec 30-30N-4W) | 12520 | | | | B | | A | | | ● | 12, 23 | Sensitive Species |
| Bazile Creek - Unnamed Creek (Sec 3-28N-5W) to Little Bazile Creek | 12600 | | | | B | | A | | | ● | 12, 23, 28 | Sensitive Species |
| Spring Creek | 12610 | | | B | | | A | | | ● | 12, 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 21-29N-5W) | 12620 | | | | B | | A | | | ● | 12, 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 3-28N-5W) | 12630 | | | | B | | A | | | ● | 12, 23 | Sensitive Species |

RIVER BASIN: Missouri Tributaries

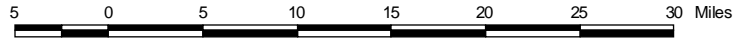
Subbasin: MT2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS | |
|--------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|------------|--------------------------------|--------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | INDUSTRIAL | | |
| Bazile Creek - Headwaters to Unnamed Creek (Sec 3-28N-5W) | 12700 | | | | B | | A | | | • | 12 23 | <u>Sensitive Species</u> |

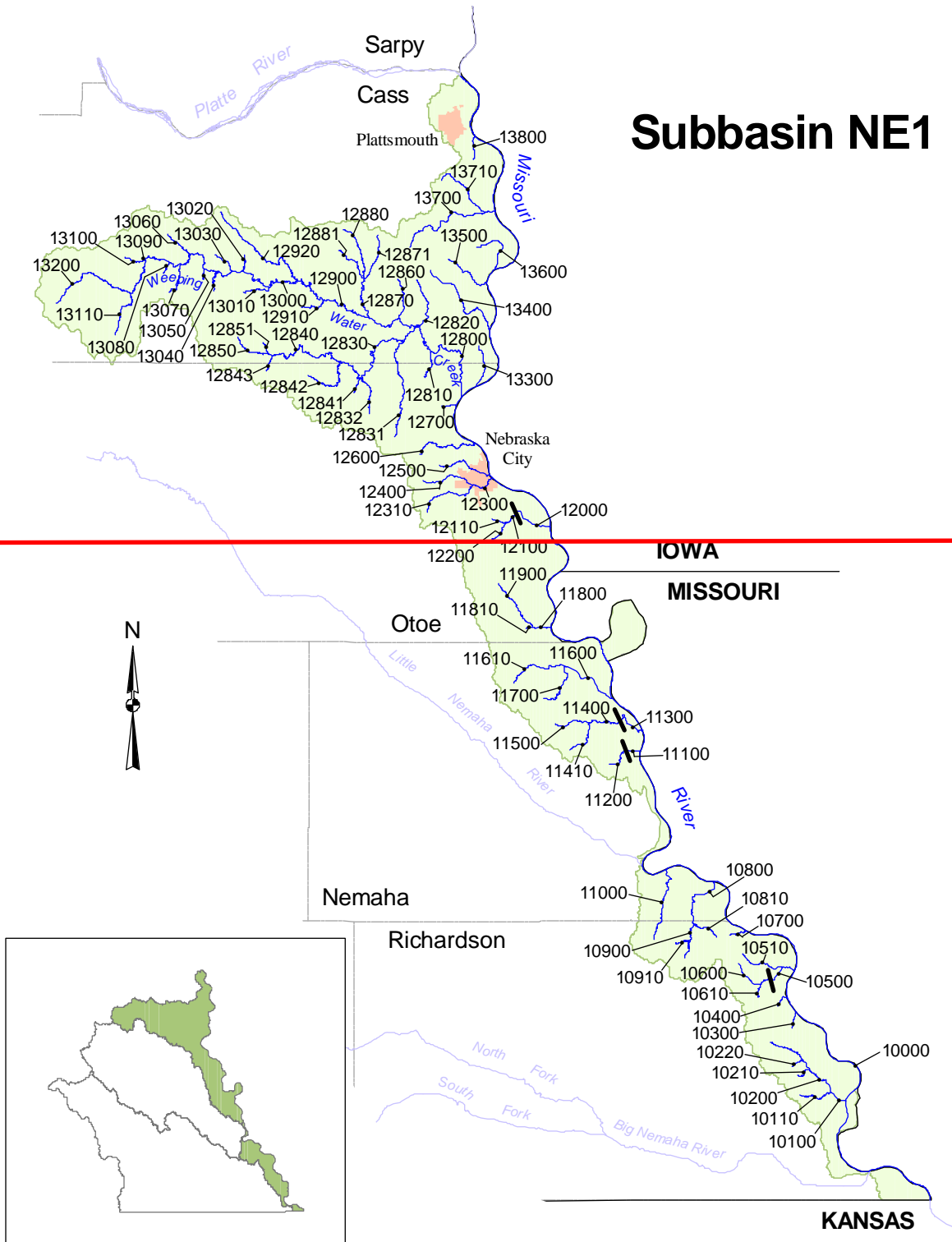
Effective Date: _____



NEMAHA RIVER BASIN (and Subbasins)



Subbasin NE1



RIVER BASIN: Nemaha

Subbasin: NE1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS |
|--------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-----------------------------------------------------------|----------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | |
| Missouri River - Platte River to Nebraska- Kansas border (Sec 32-1N-19E) | 10000 | | ● | | A | ● | A | ● | ● | 1,2, 18, 20, 21, 22, 23, 25, 28, 31, 32, 35, 36, b,h, i,j | Endangered Species Threatened Species <u>Sensitive Species</u> |
| Big Nemaha River (see subbasin NE2) | ---- | | | | | | | | | | |
| Winnebago Creek - Bean Creek to Missouri River | 10100 | | | | B | | A | | ● | 1,2, 18, 20, 21, 22, 23, 32, 35 | Endangered Species Threatened Species <u>Sensitive Species</u> |
| Bean Creek | 10110 | | | | B | | A | | ● | 1,2, 18, 20, 21, 22, 23, 32, 35 | Endangered Species Threatened Species <u>Sensitive Species</u> |
| Winnebago Creek - Headwaters to Bean Creek | 10200 | | | | B | | A | | ● | 1,2, 18, 20, 21, 22, 23, 32, 35 | Endangered Species Threatened Species <u>Sensitive Species</u> |
| Unnamed Creek (Sec 24-2N-17E) | 10210 | | | | B | | A | | ● | 20, 21, 22, 32, 35 | <u>Sensitive Species</u> |
| Unnamed Creek (Sec 15-2N-17E) | 10220 | | | | B | | A | | ● | 20, 21, 22, 32, 35 | <u>Sensitive Species</u> |

RIVER BASIN: Nemaha

Subbasin: NE1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | KEY SPECIES | COMMENTS |
|-------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-----------------------------------------|---------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | INDUSTRIAL | | |
| Unnamed Creek (Sec 35-3N-17E) | 10300 | | | | B | | A | | ● | 1.2, 18, 20, 21, 22, 23, 31, 32, 35, 36 | Endangered Species Threatened Species Sensitive Species |
| Unnamed Creek (Sec 26-3N-17E) | 10400 | | | | B | | A | | ● | 1.2, 18, 20, 21, 22, 23, 31, 32, 35, 36 | Endangered Species Threatened Species Sensitive Species |
| Cottier Creek - Sec 21-3N-17E to Missouri River | 10500 | | | | B | | A | | ● | 1.2, 18, 20, 21, 22, 23, 31, 32, 35, 36 | Endangered Species Threatened Species Sensitive Species |
| Wine Branch | 10510 | | | | B | | A | | ● | 1.2, 18, 20, 21, 22, 23, 31, 32, 35, 36 | Endangered Species Threatened Species Sensitive Species |
| Cottier Creek - Headwaters to Sec 21-3N-17E | 10600 | | | | B | | A | | ● | 1.2, 18, 20, 21, 22, 23, 31, 32, 35, 36 | Endangered Species Threatened Species Sensitive Species |
| Unnamed Creek (Sec 28-3N-17E) | 10610 | | | | B | | A | | ● | 31, 35 | Sensitive Species |

Effective Date: _____

RIVER BASIN: Nemaha

Subbasin: NE1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | | COMMENTS |
|----------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|---------------------------------------------|---------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| Unnamed Creek (Sec 5-3N-17E) | 10700 | A | ● | | B | | A | | | ● | 1.2, 18, 20, 21, 22, 23, 31, 32, 35, 36 | Endangered Species Threatened Species Sensitive Species |
| Beadow Creek - Unnamed Creek (Sec 2-3N-16E) to Missouri River | 10800 | | | | B | | A | | | ● | 1.2, 18, 20, 21, 22, 23, 31, 32, 35, 36 | Endangered Species Threatened Species Sensitive Species |
| Unnamed Creek (Sec 2-3N-16E) | 10810 | | ● | | B | | A | | | ● | 1.2, 18, 20, 21, 22, 23, 31, 32, 35, 36 | Endangered Species Threatened Species Sensitive Species |
| Beadow Creek - Headwaters to Unnamed Creek (Sec 2-3N-16E) | 10900 | | | | B | | A | | | ● | | |
| Unnamed Creek (Sec 10-3N-16E) | 10910 | | | | B | | A | | | ● | | |
| Deroin Creek | 11000 | | | | B | | A | | | ● | 1.2, 18, 20, 21, 22, 23, 28, 31, 32, 35, 36 | Endangered Species Threatened Species Sensitive Species |
| Little Nemaha River (see subbasin NE3) | ----- | | | | | | | | | | | |
| Unnamed Creek (Sec 7-5N-16E) - Sec 12-5N-15E to Missouri River | 11100 | | | | B | | A | | | ● | 1.2, 18, 20, 21, 22, 23, 25, 28, 31, 32, 35 | Endangered Species Threatened Species Sensitive Species |

RIVER BASIN: Nemaha

Subbasin: NE1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS |
|--------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | INDUSTRIAL | |
| Unnamed Creek (Sec 7-5N-16E) - Headwaters to Sec 12-5N-15E | 11200 | | | | B | | A | | ● | 1.2. 18. 20. 21. 22. 23. 25. 28. 31. 32. 35. | Endangered Species Threatened Species Sensitive Species |
| Honey Creek - Sec 25-6N-15E to Missouri River | 11300 | | | | B | | A | | ● | 1.2. 18. 20. 21. 22. 23. 25. 28. 31. 32. 35. | Endangered Species Threatened Species Sensitive Species |
| Honey Creek - Unnamed Creek (Sec 34-6N-15E) to Sec 25-6N-15E | 11400 | | | | B | | A | | ● | 1.2. 18. 20. 21. 22. 23. 25. 28. 31. 32. 35. | Endangered Species Threatened Species Sensitive Species |
| Unnamed Creek (Sec 34-6N-15E) | 11410 | | | | B | | A | | ● | | |
| Honey Creek - Headwaters to Unnamed Creek (Sec 34-6N-15E) | 11500 | | | | B | | A | | ● | | |
| Buck Creek - Duck Creek to Missouri River | 11600 | | | | B | | A | | ● | 1.2. 18. 20. 21. 22. 23. 25. 28. 31. 32. 35. | Endangered Species Threatened Species Sensitive Species |
| Duck Creek | 11610 | | | | B | | A | | ● | 31. 35. | Sensitive Species |
| Buck Creek - Headwaters to Duck Creek | 11700 | | | | B | | A | | ● | 31. 35. | Sensitive Species |

Effective Date: _____

RIVER BASIN: Nemaha

Subbasin: NE1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | KEY SPECIES | COMMENTS |
|--------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|---------------------------------------------|---------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | INDUSTRIAL | | |
| Camp Creek - South Branch Camp Creek to Missouri River | 11800 | | | | B | | A | | ● | 1.2, 18, 20, 21, 22, 23, 25, 28, 31, 32, 35 | Endangered Species Threatened Species Sensitive Species |
| South Branch Camp Creek | 11810 | | | | B | | A | | ● | 20, 21, 22, 25, 28, 31, 32, 35 | Sensitive Species |
| Camp Creek - Headwaters to South Branch Camp Creek | 11900 | | | | B | | A | | ● | 20, 21, 22, 25, 28, 31, 32, 35 | Sensitive Species |
| Fourmile Creek - Sec 23-8N-14E to Missouri River | 12000 | | | | B | | A | | ● | 1.2, 18, 20, 21, 22, 23, 25, 28, 31, 32, 35 | Endangered Species Threatened Species Sensitive Species |
| Fourmile Creek - Threemile Creek to Sec 23-8N-14E | 12100 | | | | B | | A | | ● | 1.2, 18, 20, 21, 22, 23, 25, 28, 31, 32, 35 | Endangered Species Threatened Species Sensitive Species |
| Threemile Creek | 12110 | | | | B | | A | | ● | | |
| Fourmile Creek - Headwaters to Threemile Creek | 12200 | | | | B | | A | | ● | | |

RIVER BASIN: Nemaha

Subbasin: NE1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|--------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| South Table Creek - Unnamed Creek (Sec 8-8N-14E) to Missouri River | 12300 | | | | B | | A | | ● | <u>1.2.</u> <u>18.</u> <u>20.</u> <u>21.</u> <u>22.</u> <u>23.</u> <u>25.</u> <u>31.</u> <u>32.</u> <u>35.</u> | <u>Endangered Species</u> <u>Threatened Species</u> <u>Sensitive Species</u> |
| Unnamed Creek (Sec 8-8N-14E) | 12310 | | ● | | B | | A | | ● | <u>1.2.</u> <u>18.</u> <u>23.</u> <u>31.</u> | <u>Endangered Species</u> <u>Threatened Species</u> <u>Sensitive Species</u> |
| South Table Creek - Headwaters to Unnamed Creek (Sec 8-8N-14E) | 12400 | | | | B | | A | | ● | <u>1.2.</u> <u>18.</u> <u>23.</u> <u>31.</u> | <u>Endangered Species</u> <u>Threatened Species</u> <u>Sensitive Species</u> |
| North Table Creek | 12500 | | | | B | | A | | ● | <u>1.2.</u> <u>18.</u> <u>20.</u> <u>21.</u> <u>22.</u> <u>23.</u> <u>25.</u> <u>31.</u> <u>32.</u> <u>35.</u> | <u>Endangered Species</u> <u>Threatened Species</u> <u>Sensitive Species</u> |
| Walnut Creek | 12600 | | | | B | | A | | ● | <u>1.2.</u> <u>18.</u> <u>20.</u> <u>21.</u> <u>22.</u> <u>23.</u> <u>25.</u> <u>31.</u> <u>32.</u> <u>35.</u> | <u>Endangered Species</u> <u>Threatened Species</u> <u>Sensitive Species</u> |
| Wyoming Creek | 12700 | | | | B | | A | | ● | <u>1.2.</u> <u>18.</u> <u>20.</u> <u>21.</u> <u>22.</u> <u>23.</u> <u>25.</u> <u>31.</u> <u>32.</u> <u>35.</u> | <u>Endangered Species</u> <u>Threatened Species</u> <u>Sensitive Species</u> |

Effective Date: _____

RIVER BASIN: Nemaha

Subbasin: NE1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|-----------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|----------------------------------|---------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Weeping Water Creek - North Branch Weeping Water Creek to Missouri River | 12800 | | | | A | | A | | ● | 1,2,18,20,21,22,23,25,31,32,35,i | Endangered Species Threatened Species Sensitive Species |
| Wolf Creek | 12810 | | | | B | | A | | ● | | |
| Coal Creek | 12820 | | | | B | | A | | ● | | |
| South Branch Weeping Water Creek - Goose Creek to Weeping Water Creek | 12830 | | | | A | | A | | ● | i | |
| Big Slough | 12831 | | | | B | | A | | ● | | |
| Goose Creek | 12832 | | | | B | | A | | ● | | |
| South Branch Weeping Water Creek - Wilson Creek to Goose Creek | 12840 | | | | B | | A | | ● | | |
| Jordan Creek | 12841 | | | | B | | A | | ● | | |
| Flood Creek | 12842 | | | | B | | A | | ● | | |
| Wilson Creek | 12843 | | | | B | | A | | ● | | |
| South Branch Weeping Water Creek - Headwaters to Wilson Creek | 12850 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 31-10N-12E) | 12851 | | | | B | | A | | ● | | |
| Tyson Creek | 12860 | | | | B | | A | | ● | | |
| North Branch Weeping Water Creek - Unnamed Creek (Sec 6-10N-13E) to Weeping Water Creek | 12870 | | | | A | | A | | ● | i | |
| Unnamed Creek (Sec 6-10N-13E) | 12871 | | | | B | | A | | ● | | |
| North Branch Weeping Water Creek - Headwaters to Unnamed Creek (Sec 6-10N-13E) | 12880 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 6-10N-13E) | 12881 | | | | B | | A | | ● | | |
| Weeping Water Creek - South Cedar Creek to North Branch Weeping Water Creek | 12900 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 10-10N-12E) | 12910 | | | | B | | A | | ● | | |
| South Cedar Creek | 12920 | | | | B | | A | | ● | | |
| Weeping Water Creek - Stove Creek to South Cedar Creek | 13000 | | ● | | B | | A | | ● | | |

RIVER BASIN: Nemaha

Subbasin: NE1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS |
|-------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL |  |  |  | INDUSTRIAL |
| Cascade Creek | 13010 | | | | B | | A | | ● | |
| Unnamed Creek (Sec 2-10N-11E) | 13020 | | | | B | | A | | ● | |
| Unnamed Creek (Sec 3-10N-11E) | 13030 | | | | B | | A | | ● | |
| Unnamed Creek (Sec 4-10N-11E) | 13040 | | | | B | | A | | ● | |
| Unnamed Creek (Sec 33-11N-11E) | 13050 | | | | B | | A | | ● | |
| Unnamed Creek (Sec 32-11N-11E) | 13060 | | | | B | | A | | ● | |
| Unnamed Creek (Sec 31-11N-11E) | 13070 | | | | B | | A | | ● | |
| Unnamed Creek (Sec 36-11N-10E) | 13080 | | | | B | | A | | ● | |
| Unnamed Creek (Sec 35-11N-10E) | 13090 | | | | B | | A | | ● | |
| Beaver Creek | 13100 | | | | B | | A | | ● | |
| Stove Creek | 13110 | | | | B | | A | | ● | |
| Weeping Water Creek - Headwaters to Stove Creek | 13200 | | | | B | | A | | ● | |
| East Chute | 13300 | | | | B | | A | | ● | 1.2, 18, 20, 21, 22, 23, 25; 31, 32, 35 |
| Ervine Creek | 13400 | | | | B | | A | | ● | 1.2, 18, 20, 21, 22, 23, 25; 31, 32, 35 |
| Rakes Creek | 13500 | | | | B | | A | | ● | 1.2, 18, 20, 21, 22, 23, 25; 31, 32, 35 |

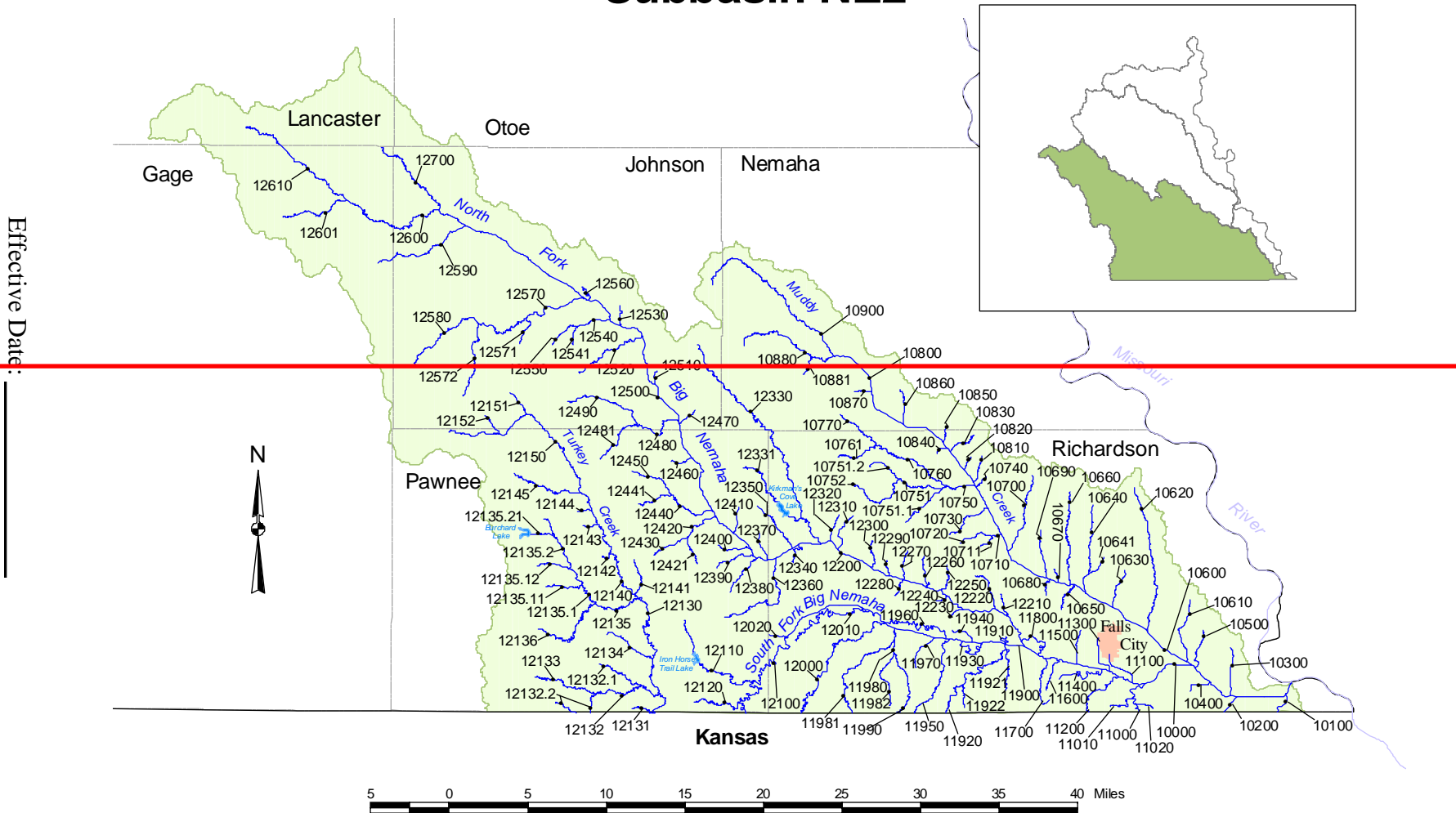
Effective Date: _____

RIVER BASIN: Nemaha

Subbasin: NE1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | KEY SPECIES | COMMENTS |
|--------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | INDUSTRIAL | | |
| Unnamed Creek (Sec 33-11N-14E) | 13600 | | | | B | | A | | ● | <u>1.2.</u> <u>18.</u> <u>20.</u> <u>21.</u> <u>22.</u> <u>23.</u> <u>25.</u> <u>31.</u> <u>32.</u> <u>35.</u> | <u>Endangered Species</u> <u>Threatened Species</u> <u>Sensitive Species</u> |
| Rock Creek | 13700 | | | | B | ● | A | | ● | <u>1.2.</u> <u>18.</u> <u>20.</u> <u>21.</u> <u>22.</u> <u>23.</u> <u>25.</u> <u>31.</u> <u>32.</u> <u>35.</u> | <u>Endangered Species</u> <u>Threatened Species</u> <u>Sensitive Species</u> |
| Mud Creek | 13710 | | | | B | | A | | ● | <u>1.2.</u> <u>18.</u> <u>20.</u> <u>21.</u> <u>22.</u> <u>23.</u> <u>25.</u> <u>31.</u> <u>32.</u> <u>35.</u> | <u>Endangered Species</u> <u>Threatened Species</u> <u>Sensitive Species</u> |
| Unnamed Creek (Sec 20-12N-14E) | 13800 | | | | B | | A | | ● | <u>1.2.</u> <u>18.</u> <u>20.</u> <u>21.</u> <u>22.</u> <u>23.</u> <u>25.</u> <u>31.</u> <u>32.</u> <u>35.</u> | <u>Endangered Species</u> <u>Threatened Species</u> <u>Sensitive Species</u> |

Subbasin NE2



Effective Date:

RIVER BASIN: Nemaha

Subbasin: NE2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS | |
|-------------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| Big Nemaha River - Confluence of North and South Fork Big Nemaha Rivers to Missouri River | 10000 | | ● | | A | | A | | | ● | 1.2, 18, 20, 21, 22, 23, 28, 29, 32, 35, 36, i, j | Endangered Species Threatened Species Sensitive Species |
| Roys Creek | 10100 | | | | B | | A | | | ● | 1.2, 18, 20, 21, 22, 23, 28, 32, 35, 36 | Endangered Species Threatened Species Sensitive Species |
| Noharts Creek | 10200 | | | | B | | A | | | ● | 28, 35, 36 | Sensitive Species |
| Mooney Creek | 10300 | | | | B | | A | | | ● | 20, 21, 22, 28, 32, 35, 36 | Sensitive Species |
| Snake Creek | 10400 | | | | B | | A | | | ● | 28, 29, 35, 36 | Sensitive Species |
| Canada Creek | 10500 | | | | B | | A | | | ● | 28, 29, 35, 36 | Sensitive Species |
| Muddy Creek - Little Muddy Creek to Big Nemaha River | 10600 | | ● | | A | | A | | | ● | 28, 29, 35, 36, i, j | Sensitive Species |
| Berard Creek | 10610 | | | | B | | A | | | ● | 28, 29, 35, 36 | Sensitive Species |
| Halfbreed Creek | 10620 | | | | B | | A | | | ● | | |
| Silver Creek | 10630 | | | | B | | A | | | ● | | |
| Goolsby Branch | 10640 | | | | B | | A | | | ● | | |

RIVER BASIN: Nemaha

Subbasin: NE2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS |
|-------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|----------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL |  |  |  | INDUSTRIAL |
| Temple Creek | 10641 | | | | B | | A | | ● | |
| Unnamed Creek (Sec 20-2N-16E) | 10650 | | | | B | | A | | ● | |
| Mackelroy Creek | 10660 | | | | B | | A | | ● | |
| Unnamed Creek (Sec 19-2N-16E) | 10670 | | | | B | | A | | ● | |
| Unnamed Creek (Sec 24-2N-15E) | 10680 | | | | B | | A | | ● | |
| Unnamed Creek (Sec 24-2N-15E) | 10690 | | | | B | | A | | ● | |
| Sardine Creek | 10700 | | | | B | | A | | ● | |
| Wolf Creek - Spring Creek to Muddy Creek | 10710 | | | | B | | A | | ● | |
| Spring Creek | 10711 | | | | B | | A | | ● | |
| Wolf Creek - Headwaters to Spring Creek | 10720 | | | | B | | A | | ● | |
| Deer Creek | 10730 | | | | B | | A | | ● | |
| Unnamed Creek (Sec 20-3N-15E) | 10740 | | | | B | | A | | ● | |
| Little Muddy Creek - Whiskey Run to Muddy Creek | 10750 | | ● | | B | | A | | ● | |
| Whiskey Run - Porter Branch to Little Muddy Creek | 10751 | | | | B | | A | | ● | |
| Dry Branch | 10751.1 | | | | B | | A | | ● | |
| Porter Branch | 10751.2 | | | | B | | A | | ● | |
| Whiskey Run - Headwaters to Porter Branch | 10752 | | | | B | | A | | ● | |
| Little Muddy Creek - Unnamed Creek (Sec 6-3N-14E) to Whiskey Run | 10760 | | | | B | | A | | ● | |
| Unnamed Creek (Sec 6-3N-14E) | 10761 | | | | B | | A | | ● | |
| Little Muddy Creek - Headwaters to Unnamed Creek (Sec 6-3N-14E) | 10770 | | | | B | | A | | ● | |
| Muddy Creek - Unnamed Creek (Sec 11-4N-13E) to Little Muddy Creek | 10800 | | | | A | | A | | ● | i |
| Hoosier Creek | 10810 | | | | B | | A | | ● | |
| Unnamed Creek (Sec 18-3N-15E) | 10820 | | | | B | | A | | ● | |
| Unnamed Creek (Sec 12-3N-14E) | 10830 | | | | B | | A | | ● | |
| Unnamed Creek (Sec 12-3N-14E) | 10840 | | | | B | | A | | ● | |
| Unnamed Creek (Sec 1-3N-14E) | 10850 | | | | B | | A | | ● | |

Effective Date: _____

RIVER BASIN: Nemaha

Subbasin: NE2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS |
|-----------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|----------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL |  |  |  | INDUSTRIAL |
| Unnamed Creek (Sec 33-4N-14E) | 10860 | | | | B | | A | | ● | |
| Unnamed Creek (Sec 19-4N-14E) | 10870 | | | | B | | A | | ● | |
| Unnamed Creek (Sec 11-4N-13E) | 10880 | | | | B | | A | | ● | |
| Unnamed Creek (Sec 9-4N-13E) | 10881 | | | | B | | A | | ● | |
| Muddy Creek - Headwaters to Unnamed Creek (Sec 11-4N-13E) | 10900 | | | | B | | A | | ● | |
| Walnut Creek | 11000 | | | | A | | A | | ● | 28, 29, 35, 36 Sensitive Species |
| Unnamed Creek (Sec 36-1N-16E) | 11010 | | | | B | | A | | ● | 28, 29, 35, 36 Sensitive Species |
| Unnamed Creek (Sec 36-1N-16E) | 11020 | | | | B | | A | | ● | 28, 29, 35, 36 Sensitive Species |
| Unnamed Creek (Sec 25-1N-16E) | 11100 | | | | B | | A | | ● | 28, 29, 35, 36 Sensitive Species |
| Pony Creek | 11200 | | ● | | A | | A | | ● | 28, 29, 35, 36 Sensitive Species |
| Unnamed Creek (Sec 22-1N-16E) | 11300 | | | | B | | A | | ● | 28, 29, 35, 36 Sensitive Species |
| Unnamed Creek (Sec 22-1N-16E) | 11400 | | | | B | | A | | ● | 28, 29, 35, 36 Sensitive Species |
| Unnamed Creek (Sec 17-1N-16E) | 11500 | | | | B | | A | | ● | 28, 29, 35, 36 Sensitive Species |
| Unnamed Creek (Sec 18-1N-16E) | 11600 | | | | B | | A | | ● | 28, 29, 35, 36 Sensitive Species |
| Wildcat Creek | 11700 | | | | B | | A | | ● | 28, 29, 35, 36 Sensitive Species |

RIVER BASIN: Nemaha

Subbasin: NE2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS | |
|--------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|-------------------------------------------------------------------------------------------------|-----------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| Old Channel Big Nemaha River | 11800 | | | | B | | A | | | ● | 28. 29. 35. 36. | Sensitive Species |
| South Fork Big Nemaha River - Unnamed Creek (Sec 8-1N-13E) to Big Nemaha River | 11900 | | ● | | A | | A | | | ● | 28. 29. 35. 36. i,j | Sensitive Species |
| Unnamed Creek (Sec 10-1N-15E) | 11910 | | | | B | | A | | | ● | 28. 29. 35. 36. | Sensitive Species |
| Rock Creek | 11920 | | | | A | | A | | | ● | 28. 29. 35. 36.i | Sensitive Species |
| Contrary Creek | 11921 | | | | B | | A | | | ● | 28. 29. 35. 36. | Sensitive Species |
| Rabbit Creek | 11922 | | | | B | | A | | | ● | | |
| Old Channel South Fork Big Nemaha River | 11930 | | | | B | | A | | | ● | 28. 35. | Sensitive Species |
| Unnamed Creek (Sec 7-1N-15E) | 11940 | | | | B | | A | | | ● | 28. 35. 36. | Sensitive Species |
| Honey Creek | 11950 | | | | B | | A | | | ● | 28. 35. | Sensitive Species |
| Old Channel South Fork Big Nemaha River | 11960 | | | | B | | A | | | ● | 28. 35. 36. | Sensitive Species |
| Holy Creek | 11970 | | | | B | | A | | | ● | 28. 35. | Sensitive Species |
| Rattlesnake Creek - Spring Creek to South Fork Big Nemaha River | 11980 | | | | A | | A | | | ● | 28. 35.i | Sensitive Species |
| Easily Creek | 11981 | | | | B | | A | | | ● | 28. 35. | Sensitive Species |
| Spring Creek | 11982 | | | | B | | A | | | ● | 28. 35. | Sensitive Species |
| Rattlesnake Creek - Headwaters to Spring Creek | 11990 | | | | B | | A | | | ● | 28. 35. | Sensitive Species |
| Fourmile Creek | 12000 | | | | A | | A | | | ● | 28. 35i | Sensitive Species |

Effective Date: _____

RIVER BASIN: Nemaha

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| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|------------------------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|----------|-------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Unnamed Creek (Sec 31-2N-14E) | 12010 | | | | B | | A | | ● | 28, 35 | Sensitive Species |
| Unnamed Creek (Sec 8-1N-13E) | 12020 | | | | B | | A | | ● | 35 | Sensitive Species |
| South Fork Big Nemaha River - Nebraska-Kansas border (Sec 35-1N-12E) to Unnamed Creek (Sec 8-1N-13E) | 12100 | | ● | | A | | A | | ● | 35, i, j | Sensitive Species |
| Lores Branch | 12110 | | | | A | | A | | ● | 35, j | Sensitive Species |
| Negro Branch | 12120 | | | | B | | A | | ● | 35 | Sensitive Species |
| Turkey Creek - West Branch Turkey Creek to Nebraska-Kansas border (Sec 35-1N-11E) | 12130 | | ● | | A | | A | | ● | 12, i | Sensitive Species |
| Unnamed Creek (Sec 35-1N-11E) | 12131 | | | | B | | A | | ● | 12 | Sensitive Species |
| Johnson Creek - Wildcat Creek to Turkey Creek | 12132 | | | | A | | A | | ● | 12 | Sensitive Species |
| Beebe Creek | 12132.1 | | | | B | | A | | ● | 12 | Sensitive Species |
| Wildcat Creek | 12132.2 | | | | B | | A | | ● | 12 | Sensitive Species |
| Johnson Creek - Headwaters to Wildcat Creek | 12133 | | | | A | | A | | ● | 12 | Sensitive Species |
| Chatawa Creek | 12134 | | | | B | | A | | ● | | |
| West Branch Turkey Creek - Balls Branch to Turkey Creek | 12135 | | | | B | | A | | ● | | |
| Balls Branch - Unnamed Creek (Sec 13-2N-10E) to West Branch Turkey Creek | 12135.1 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 19-2N-11E) | 12135.11 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 13-2N-10E) | 12135.12 | | | | B | | A | | ● | | |
| Balls Branch - Headwaters to Unnamed Creek (Sec 13-2N-10E) | 12135.2 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 2-2N-10E) | 12135.21 | | | | B | | A | | ● | | |
| West Branch Turkey Creek - Headwaters to Balls Branch | 12136 | | | | B | | A | | ● | | |
| Turkey Creek - Rock Creek to West Branch Turkey Creek | 12140 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 27-2N-11E) | 12141 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 8-2N-11E) | 12142 | | | | B | | A | | ● | | |

RIVER BASIN: Nemaha

Subbasin: NE2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS |
|--------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|----------------------|-----------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | INDUSTRIAL | |
| Unnamed Creek (Sec 5-2N-11E) | 12143 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 31-3N-11E) | 12144 | | | | B | | A | | ● | | |
| Rock Creek | 12145 | | | | B | | A | | ● | | |
| Turkey Creek - Headwaters to Rock Creek | 12150 | | | | B | | A | | ● | | |
| Sampson Branch | 12151 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 6-3N-10E) | 12152 | | | | B | | A | | ● | | |
| North Fork Big Nemaha River - Todd Creek to Big Nemaha River | 12200 | | ● | | A | | A | | ● | 28, 29, 35, 36, i, j | Sensitive Species |
| Unnamed Creek (Sec 34-2N-15E) | 12210 | | | | B | | A | | ● | 28, 35, 36 | Sensitive Species |
| Deer Branch | 12220 | | | | B | | A | | ● | 28, 35, 36 | Sensitive Species |
| Unnamed Creek (Sec 31-2N-15E) | 12230 | | | | B | | A | | ● | 28, 35, 36 | Sensitive Species |
| Unnamed Creek (Sec 25-2N-14E) | 12240 | | | | B | | A | | ● | 28, 35, 36 | Sensitive Species |
| Bradley Branch | 12250 | | | | B | | A | | ● | 28, 35, 36 | Sensitive Species |
| Barneys Branch | 12260 | | | | B | | A | | ● | 28, 35, 36 | Sensitive Species |
| Unnamed Creek (Sec 21-2N-14E) | 12270 | | | | B | | A | | ● | 28, 35, 36 | Sensitive Species |
| Cottonwood Creek | 12280 | | | | B | | A | | ● | 28, 35, 36 | Sensitive Species |
| Unnamed Creek (Sec 20-2N-14E) | 12290 | | | | B | | A | | ● | 28, 35, 36 | Sensitive Species |
| Unnamed Creek (Sec 18-2N-14E) | 12300 | | | | B | | A | | ● | 28, 35, 36 | Sensitive Species |

Effective Date: _____

RIVER BASIN: Nemaha

Subbasin: NE2

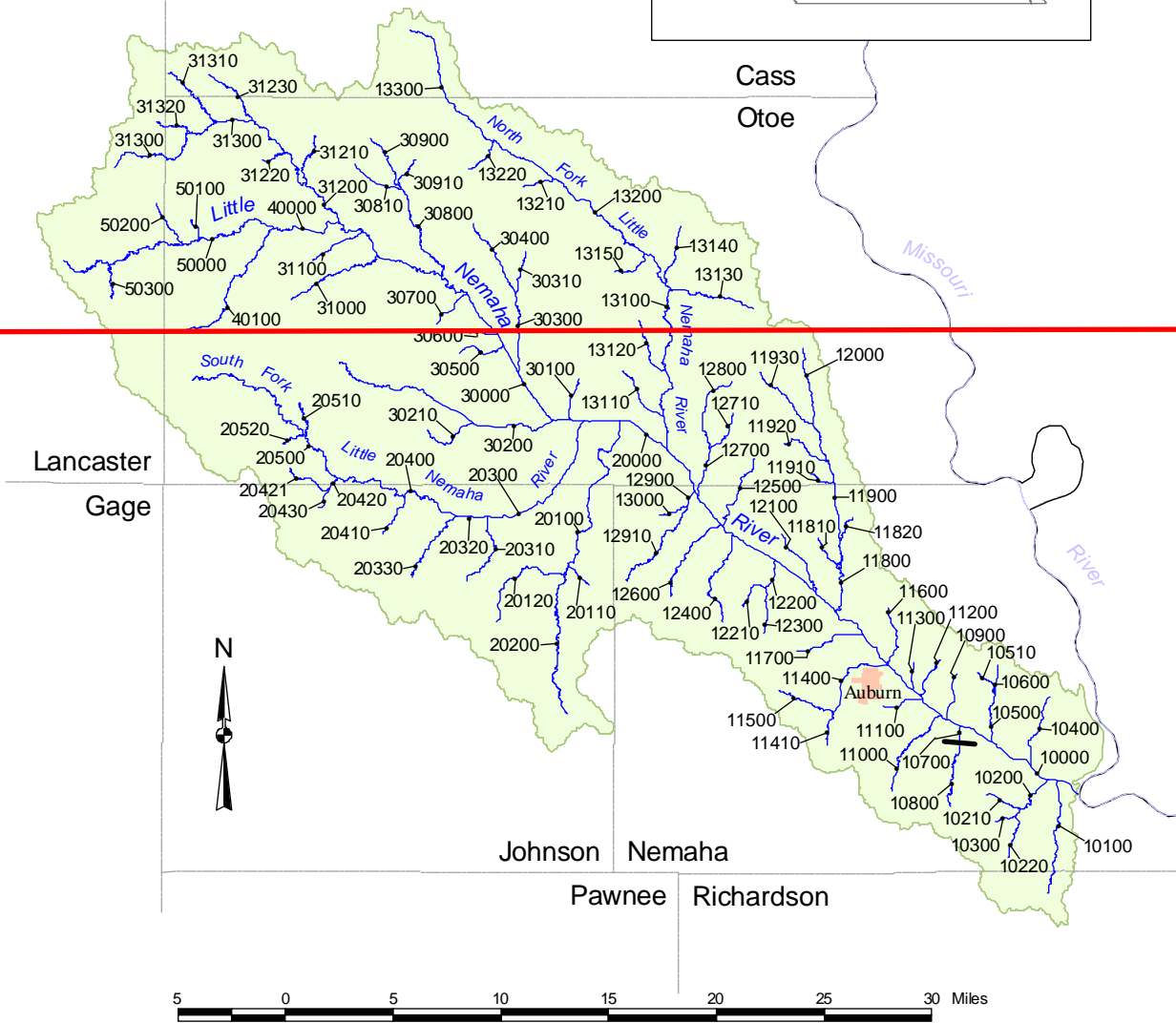
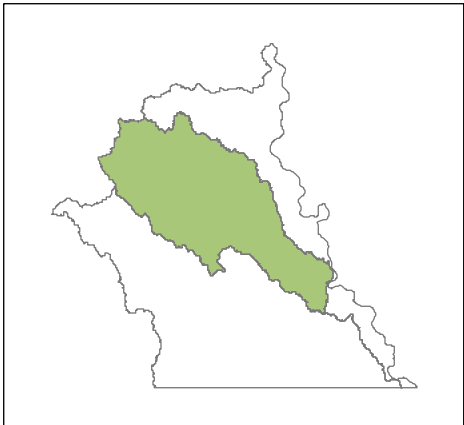
| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|-----------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|-----------------------------------------|-----------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Unnamed Creek (Sec 11-2N-13E) | 12310 | | | | B | | A | | ● | <u>28</u> , <u>35</u> , <u>36</u> | Sensitive Species |
| Unnamed Creek (Sec 11-2N-13E) | 12320 | | | | B | | A | | ● | <u>28</u> , <u>35</u> | Sensitive Species |
| Long Branch Creek | 12330 | | ● | | A | | A | | ● | <u>28</u> , <u>35</u> , <u>i</u> | Sensitive Species |
| Kirkham Creek | 12331 | | | | B | | A | | ● | <u>28</u> , <u>35</u> | Sensitive Species |
| Unnamed Creek (Sec 8-2N-13E) | 12340 | | | | B | | A | | ● | <u>28</u> , <u>35</u> | Sensitive Species |
| Round Grove Creek | 12350 | | | | B | | A | | ● | <u>28</u> , <u>35</u> | Sensitive Species |
| Dry Branch | 12360 | | | | B | | A | | ● | <u>28</u> , <u>35</u> | Sensitive Species |
| Unnamed Creek (Sec 13-2N-12E) | 12370 | | | | B | | A | | ● | <u>28</u> , <u>35</u> | Sensitive Species |
| Unnamed Creek (Sec 13-2N-12E) | 12380 | | | | B | | A | | ● | <u>28</u> , <u>35</u> | Sensitive Species |
| Unnamed Creek (Sec 13-2N-12E) | 12390 | | | | B | | A | | ● | <u>28</u> , <u>35</u> | Sensitive Species |
| Unnamed Creek (Sec 11-2N-12E) | 12400 | | | | B | | A | | ● | <u>28</u> , <u>35</u> | Sensitive Species |
| Unnamed Creek (Sec 3-2N-12E) | 12410 | | | | B | | A | | ● | <u>28</u> , <u>35</u> | Sensitive Species |
| Taylor Branch - Unnamed Creek (Sec 6-2N-12E) to North Fork Big Nemaha River | 12420 | | | | B | | A | | ● | <u>28</u> , <u>35</u> | Sensitive Species |
| Unnamed Creek (Sec 6-2N-12E) | 12421 | | | | B | | A | | ● | | |
| Taylor Branch - Headwaters to Unnamed Creek (Sec 6-2N-12E) | 12430 | | | | B | | A | | ● | | |
| Clear Creek - Coopers Branch to North Fork Big Nemaha River | 12440 | | | | B | | A | | ● | <u>28</u> , <u>35</u> | Sensitive Species |
| Coopers Branch | 12441 | | | | B | | A | | ● | | |
| Clear Creek - Headwaters to Coopers Branch | 12450 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 8-3N-12E) | 12460 | | | | B | | A | | ● | <u>35</u> | Sensitive Species |
| Robinson Creek | 12470 | | | | B | | A | | ● | <u>35</u> | Sensitive Species |
| Todd Creek - Elk Creek to North Fork Big Nemaha River | 12480 | | | | B | | A | | ● | <u>35</u> | Sensitive Species |

RIVER BASIN: Nemaha

Subbasin: NE2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS |
|------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL |  |  |  | INDUSTRIAL |
| Elk Creek | 12481 | | | | B | | A | | ● | |
| Todd Creek - Headwaters to Elk Creek | 12490 | | | | B | | A | | ● | 35 Sensitive Species |
| North Fork Big Nemaha River - Middle Branch Big Nemaha River to Todd Creek | 12500 | | ● | | A | | A | | ● | 35.i Sensitive Species |
| Unnamed Creek (Sec 23-4N-11E) | 12510 | | | | B | | A | | ● | 35 Sensitive Species |
| Corson Branch | 12520 | | | | B | | A | | ● | 35 Sensitive Species |
| Town Branch | 12530 | | | | B | | A | | ● | 35 Sensitive Species |
| Badger Branch - Unnamed Creek (Sec 36-5N-10E) to North Fork Big Nemaha River | 12540 | | | | B | | A | | ● | 35 Sensitive Species |
| Unnamed Creek (Sec 36-5N-10E) | 12541 | | | | B | | A | | ● | 35 Sensitive Species |
| Badger Branch - Headwaters to Unnamed Creek (Sec 36-5N-10E) | 12550 | | | | B | | A | | ● | 35 Sensitive Species |
| Unnamed Creek (Sec 19-5N-11E) | 12560 | | | | B | | A | | ● | 35 Sensitive Species |
| Yankee Creek - Lost Branch to North Fork Big Nemaha River | 12570 | | | | B | | A | | ● | 35 Sensitive Species |
| Brewers Branch | 12571 | | | | B | | A | | ● | |
| Lost Branch | 12572 | | | | B | | A | | ● | |
| Yankee Creek - Headwaters to Lost Branch | 12580 | | | | B | | A | | ● | |
| Hooker Creek | 12590 | | | | B | | A | | ● | 35 Sensitive Species |
| Middle Branch Big Nemaha River - Shaw Creek to North Fork Big Nemaha River | 12600 | | | | B | | A | | ● | i |
| Shaw Creek | 12601 | | | | A | | A | | ● | 10 Sensitive Species |
| Middle Branch Big Nemaha River - Headwaters to Shaw Creek | 12610 | | | | B | | A | | ● | |
| North Fork Big Nemaha River - Headwaters to Middle Branch Big Nemaha River | 12700 | | | | B | | A | | ● | |

Effective Date: _____



Subbasin NE3

RIVER BASIN: Nemaha

Subbasin: NE3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | | |
|------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|----------|-----------------------------------------------|---------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL | |
| Little Nemaha River - North Fork Little Nemaha River to Missouri River | 10000 | | ● | | A | ● | A | | | ● | 1.2, 18, 20, 21, 22, 23, 28, 31, 32, 35, i, j | Endangered Species Threatened Species Sensitive Species |
| Whiskey Run | 10100 | | | | A | | A | | | ● | 1.2, 10, 18, 20, 21, 22, 23, 28, 31, 32, 35 | Endangered Species Threatened Species Sensitive Species |
| Jarvis Creek - Unnamed Creek (Sec 22-4N-15E) to Little Nemaha River | 10200 | | | | B | | A | | | ● | 28, 31, 35 | Sensitive Species |
| Unnamed Creek (Sec 22-4N-15E) | 10210 | | | | B | | A | | | ● | 28, 31, 35 | Sensitive Species |
| Unnamed Creek (Sec 22-4N-15E) | 10220 | | | | B | | A | | | ● | | |
| Jarvis Creek - Headwaters to Unnamed Creek (Sec 22-4N-15E) | 10300 | | | | B | | A | | | ● | | |
| Happy Hollow Creek | 10400 | | | | B | | A | | | ● | 28, 31, 35 | Sensitive Species |
| Swartz Run - Unnamed Creek (Sec 21-5N-15E) to Little Nemaha River | 10500 | | | | B | | A | | | ● | 28, 31, 35 | Sensitive Species |
| Unnamed Creek (Sec 21-5N-15E) | 10510 | | | | B | | A | | | ● | | |
| Swartz Run - Headwaters to Unnamed Creek (Sec 21-5N-15E) | 10600 | | | | B | | A | | | ● | | |
| Indian Creek - Sec 5-4N-15E to Little Nemaha River | 10700 | | | | B | | A | | | ● | 28, 31, 35 | Sensitive Species |
| Indian Creek - Headwaters to Sec 5-4N-15E | 10800 | | | | A | | A | | | ● | 10, 28, 31, 35 | Sensitive Species |
| Unnamed Creek (Sec 30-5N-15E) | 10900 | | | | B | ● | A | | | ● | 28, 31, 35 | Sensitive Species |

Effective Date: _____

RIVER BASIN: Nemaha

Subbasin: NE3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS |
|-----------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|----------------|-------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | |
| Hughes Creek | 11000 | | | | A | ● | A | | ● | 10, 28, 31, 35 | Sensitive Species |
| Codington Creek | 11100 | | | | B | ● | A | | ● | 28, 31, 35 | Sensitive Species |
| Unnamed Creek (Sec 24-5N-14E) | 11200 | | | | B | ● | A | | ● | 28, 31, 35 | Sensitive Species |
| Unnamed Creek (Sec 23-5N-14E) | 11300 | | | | B | ● | A | | ● | 28, 31, 35 | Sensitive Species |
| Longs Creek - Scotch Branch to Little Nemaha River | 11400 | | | | A | ● | A | | ● | 10, 28, 31, 35 | Sensitive Species |
| Scotch Branch | 11410 | | | | B | ● | A | | ● | | |
| Longs Creek - Headwaters to Scotch Branch | 11500 | | | | A | ● | A | | ● | 10 | Sensitive Species |
| Willow Creek | 11600 | | | | B | ● | A | | ● | 28, 31, 35 | Sensitive Species |
| Ord Creek | 11700 | | | | B | ● | A | | ● | 28, 31, 35 | Sensitive Species |
| Rock Creek - Unnamed Creek (Sec 17-6N-14E) to Little Nemaha River | 11800 | | | | A | | A | | ● | 10, 28, 31, 35 | Sensitive Species |
| Plum Run | 11810 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Unnamed Creek (Sec 17-6N-14E) | 11820 | | | | B | | A | | ● | | |
| Rock Creek - Unnamed Creek (Sec 19-7N-14E) to Unnamed Creek (Sec 17-6N-14E) | 11900 | | | | A | | A | | ● | 10 | Sensitive Species |
| Unnamed Creek (Sec 32-7N-14E) | 11910 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 29-7N-14E) | 11920 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 19-7N-14E) | 11930 | | | | B | | A | | ● | | |
| Rock Creek - Headwaters to Unnamed Creek (Sec 19-7N-14E) | 12000 | | | | A | | A | | ● | 10 | Sensitive Species |
| Unnamed Creek (Sec 30-6N-14E) | 12100 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |

RIVER BASIN: Nemaha

Subbasin: NE3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|--------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|---------------|-------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Unnamed Creek (Sec 23-6N-13E) - Unnamed Creek (Sec 26-6N-13E) to Little Nemaha River | 12200 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Unnamed Creek (Sec 26-6N-13E) | 12210 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Unnamed Creek (Sec 23-6N-13E) - Headwaters to Unnamed Creek (Sec 26-6N-13E) | 12300 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Houchen Creek | 12400 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Unnamed Creek (Sec 9-6N-13E) | 12500 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Piper Creek | 12600 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Sand Creek - Unnamed Creek (Sec 29-7N-13E) to Little Nemaha River | 12700 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Unnamed Creek (Sec 29-7N-13E) | 12710 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Sand Creek - Headwaters to Unnamed Creek (Sec 29-7N-13E) | 12800 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Jones Creek - East Branch Jones Creek to Little Nemaha River | 12900 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| East Branch Jones Creek | 12910 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Jones Creek - Headwaters to East Branch Jones Creek | 13000 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| North Fork Little Nemaha River - Deer Creek to Little Nemaha River | 13100 | | ● | | A | | A | | ● | 28, 31, 35, i | Sensitive Species |
| Unnamed Creek (Sec 13-7N-12E) | 13110 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Unnamed Creek (Sec 1-7N-12E) | 13120 | | | | B | | A | | ● | 35 | Sensitive Species |
| Fox Creek | 13130 | | | | B | | A | | ● | | |

Effective Date: _____

RIVER BASIN: Nemaha

Subbasin: NE3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|----------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|----------------|-------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Wilson Creek | 13140 | | | | B | | A | | ● | | |
| Deer Creek | 13150 | | | | B | | A | | ● | i | |
| North Fork Little Nemaha River - Unnamed Creek (Sec 15-9N-11E) to Deer Creek | 13200 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 19-9N-12E) | 13210 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 15-9N-11E) | 13220 | | | | B | | A | | ● | | |
| North Fork Little Nemaha River - Headwaters to Unnamed Creek (Sec 15-9N-11E) | 13300 | | | | B | | A | | ● | | |
| Little Nemaha River - South Fork Little Nemaha River to North Fork Little Nemaha River | 20000 | | ● | | A | | A | | ● | 28, 31, 35,i | Sensitive Species |
| Spring Creek - Manns Branch to Little Nemaha River | 20100 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Ayres Branch | 20110 | | | | B | | A | | ● | | |
| Manns Branch | 20120 | | | | B | | A | | ● | | |
| Spring Creek - Headwaters to Manns Branch | 20200 | | | | B | | A | | ● | | |
| South Fork Little Nemaha River - Turkey Creek to Little Nemaha River | 20300 | | ● | | A | | A | | ● | 28, 31, 35,i | Sensitive Species |
| Coon Creek | 20310 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Unnamed Creek (Sec 9-6N-11E) | 20320 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Turkey Creek | 20330 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| South Fork Little Nemaha River - Saunders Creek to Turkey Creek | 20400 | | | | A | | A | | ● | 10, 28, 31, 35 | Sensitive Species |
| Silver Creek | 20410 | | | | A | | A | | ● | 10, 28, 31, 35 | Sensitive Species |
| Saunders Creek – Unnamed Creek (Sec 5-6N-10E) to South Fork Little Nemaha River | 20420 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |

RIVER BASIN: Nemaha

Subbasin: NE3

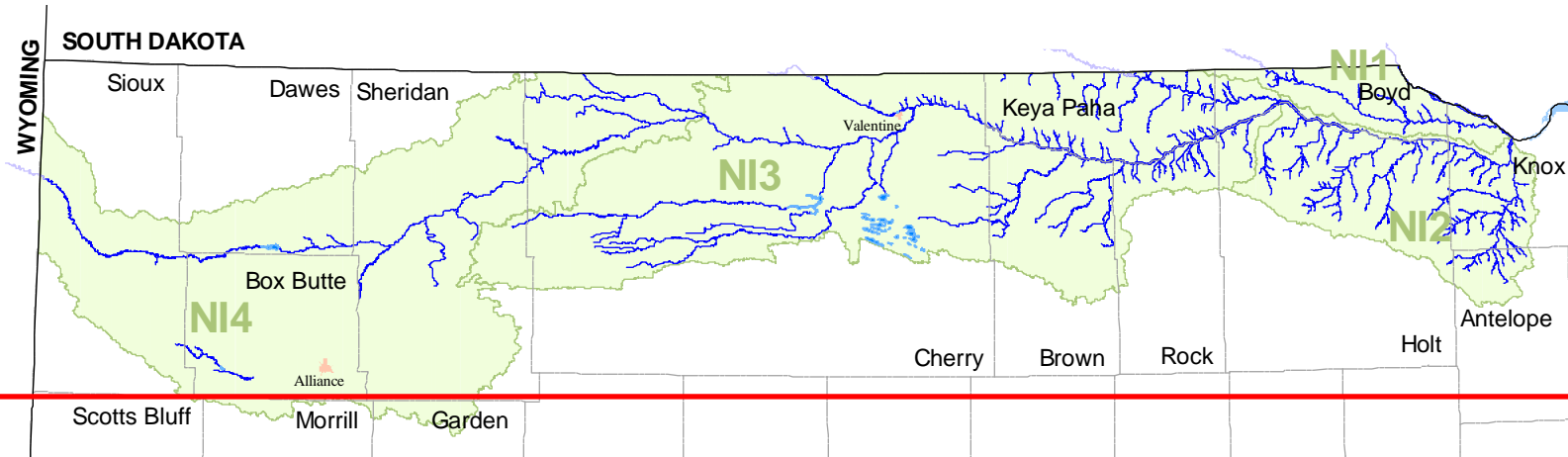
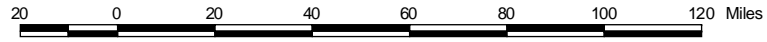
| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | KEY SPECIES | COMMENTS |
|-----------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|--------------------|-------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | INDUSTRIAL | | |
| Unnamed Creek (Sec 5-6N-10E) | 20421 | | | | B | | A | | ● | 28, 31, 33, 35 | Sensitive Species |
| Saunders Creek - Headwaters to Unnamed Creek (Sec 5-6N-10E) | 20430 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| South Fork Little Nemaha River - Headwaters to Saunders Creek | 20500 | | | | A | | A | | ● | 10, 28, 31, 33, 35 | Sensitive Species |
| Unnamed Creek (Sec 19-7N-10E) | 20510 | | | | B | | A | | ● | 28, 31, 33, 35 | Sensitive Species |
| Unnamed Creek (Sec 19-7N-10E) | 20520 | | | | B | | A | | ● | 28, 31, 33, 35 | Sensitive Species |
| Little Nemaha River - Hooper Creek to South Fork Little Nemaha River | 30000 | | ● | | A | | A | | ● | 28, 31, 35, i | Sensitive Species |
| Unnamed Creek (Sec 18-7N-12E) | 30100 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Muddy Creek | 30200 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Little Muddy Creek | 30210 | | | | B | | A | | ● | | |
| Brownell Creek - Unnamed Creek (Sec 23-8N-11E) to Little Nemaha River | 30300 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Unnamed Creek (Sec 23-8N-11E) | 30310 | | | | B | | A | | ● | | |
| Brownell Creek - Headwaters to Unnamed Creek (Sec 23-8N-11E) | 30400 | | | | B | | A | | ● | | |
| Boxelder Creek | 30500 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Unnamed Creek (Sec 27-8N-11E) | 30600 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Ziegler Creek | 30700 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |

Effective Date: _____

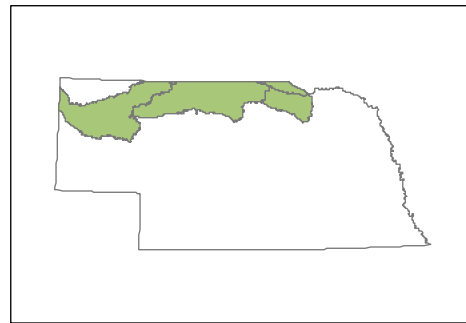
RIVER BASIN: Nemaha

Subbasin: NE3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|--------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|--------------|-------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Wolf Creek - Owl Creek to Little Nemaha River | 30800 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Owl Creek | 30810 | | | | B | | A | | ● | | |
| Wolf Creek - Headwaters to Owl Creek | 30900 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 26-9N-10E) | 30910 | | | | B | | A | | ● | | |
| Russell Creek | 31000 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Henry Creek | 31100 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Hooper Creek - Unnamed Creek (Sec 11-9N-9E) to Little Nemaha River | 31200 | | | | A | | A | | ● | 28, 31, 35.i | Sensitive Species |
| Unnamed Creek (Sec 30-9N-10E) | 31210 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 13-9N-9E) | 31220 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 11-9N-9E) | 31230 | | | | B | | A | | ● | | |
| Hooper Creek - Headwaters to Unnamed Creek (Sec 11-9N-9E) | 31300 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 9-9N-9E) | 31310 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 8-9N-9E) | 31320 | | | | B | | A | | ● | | |
| Little Nemaha River - Silver Creek to Hooper Creek | 40000 | | | | A | | A | | ● | 28, 31, 35.i | Sensitive Species |
| Silver Creek | 40100 | | | | B | | A | | ● | 28, 31, 35 | Sensitive Species |
| Little Nemaha River - Headwaters to Silver Creek | 50000 | | | | B | | A | | ● | 31, 35 | Sensitive Species |
| Unnamed Creek (Sec 5-8N-9E) | 50100 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 6-8N-9E) | 50200 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 10-8N-8E) | 50300 | | | | B | | A | | ● | | |

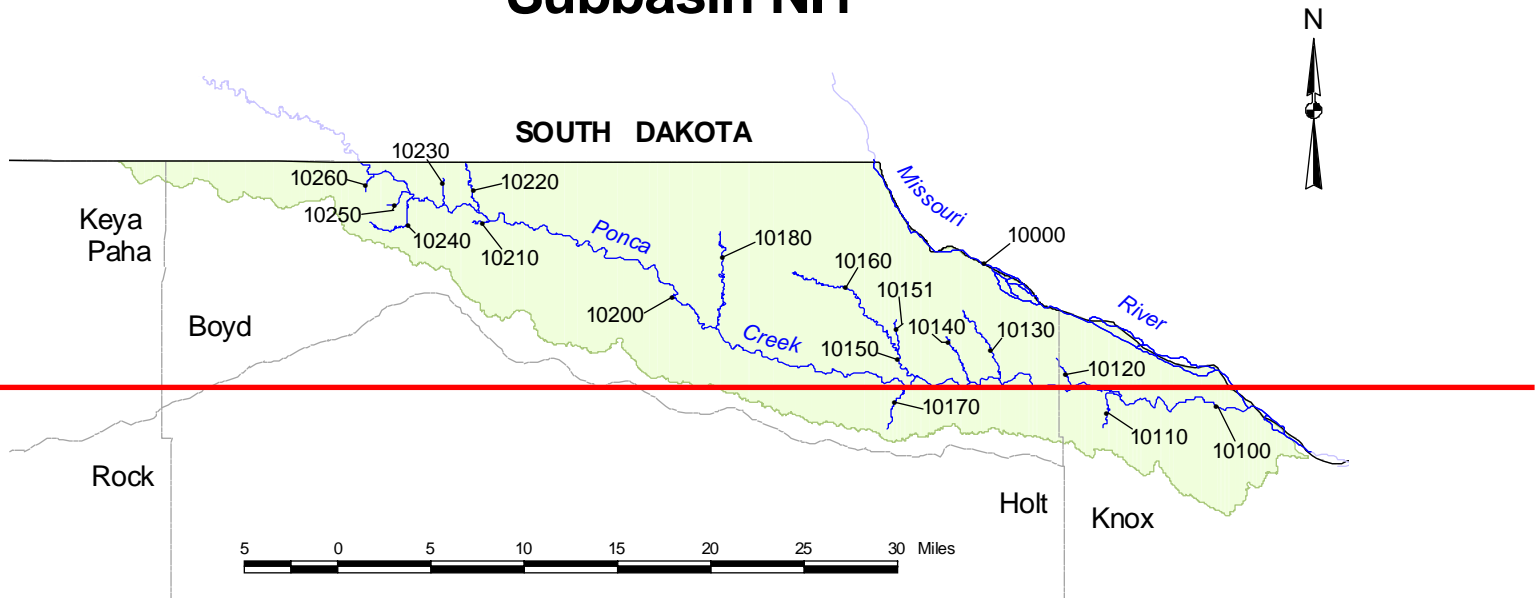


Effective Date: _____

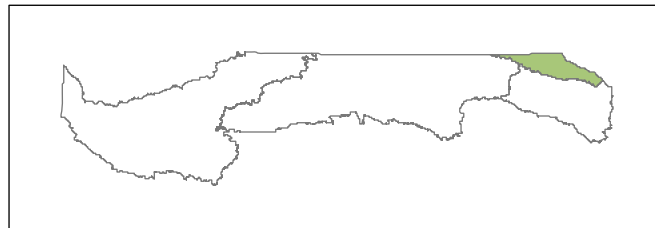


Niobrara River Basin (and Subbasins)

Subbasin NI1



Effective Date:



RIVER BASIN: Niobrara

Subbasin: NI1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS | |
|----------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| Missouri River - Nebraska-South Dakota border (Sec 21-35N-10W) to Niobrara River | 10000 | A | ● | | A | | A | | | ● | 1,2, 12, 18, 21, 22, 23, 28, 31, 35, a,b,f, i,j,m, n,o, s,t,v, w | Endangered Species , Threatened Species , Sensitive Species , Segment Designated a Recreational River Under the Federal Wild and Scenic Rivers Act |
| Ponca Creek - Beaver Creek (Sec 1-33N-12W) to Missouri River | 10100 | | ● | | A | | A | | | ● | 1,2, 12, 18, 21, 22,i | Endangered Species , Threatened Species , Sensitive Species |
| Unnamed Creek (Sec 22-33N-8W) | 10110 | | | | B | | A | | | ● | 12 | Sensitive Species |
| Unnamed Creek (Sec 19-33N-8W) | 10120 | | | | B | | A | | | ● | 12 | Sensitive Species |
| Unnamed Creek (Sec 16-33N-9W) | 10130 | | | | B | | A | | | ● | 12 | Sensitive Species |
| Unnamed Creek (Sec 20-33N-9W) | 10140 | | | | B | | A | | | ● | 12 | Sensitive Species |
| Whiskey Creek - Silver Creek to Ponca Creek | 10150 | | | | B | | A | | | ● | 12 | Sensitive Species |
| Silver Creek | 10151 | | | | B | | A | | | ● | 12 | Sensitive Species |
| Whiskey Creek - Headwaters to Silver Creek | 10160 | | | | B | | A | | | ● | 12 | Sensitive Species |
| Unnamed Creek (Sec 22-33N-10W) | 10170 | | | | B | | A | | | ● | 12, 28, 31, 35 | Sensitive Species |
| Beaver Creek (Sec 1-33N-12W) | 10180 | | ● | | A | | A | | | ● | 12 | Sensitive Species |
| Ponca Creek - Nebraska-South Dakota border (Sec 23-35N-15W) to Beaver Creek | 10200 | | | | A | | A | | | ● | 12, 35 | Sensitive Species |
| Unnamed Creek (Sec 1-34N-14W) | 10210 | | | | B | | A | | | ● | 12, 35 | Sensitive Species |
| Unnamed Creek (Sec 35-35N-14W) | 10220 | | | | B | | A | | | ● | 12, 35 | Sensitive Species |
| Unnamed Creek (Sec 33-35N-14W) | 10230 | | | | A | | A | | | ● | 9, 10, 12, 35 | Sensitive Species |
| Unnamed Creek (Sec 32-35N-14W) | 10240 | | | | B | | A | | | ● | 12, 35 | Sensitive Species |

Effective Date: _____

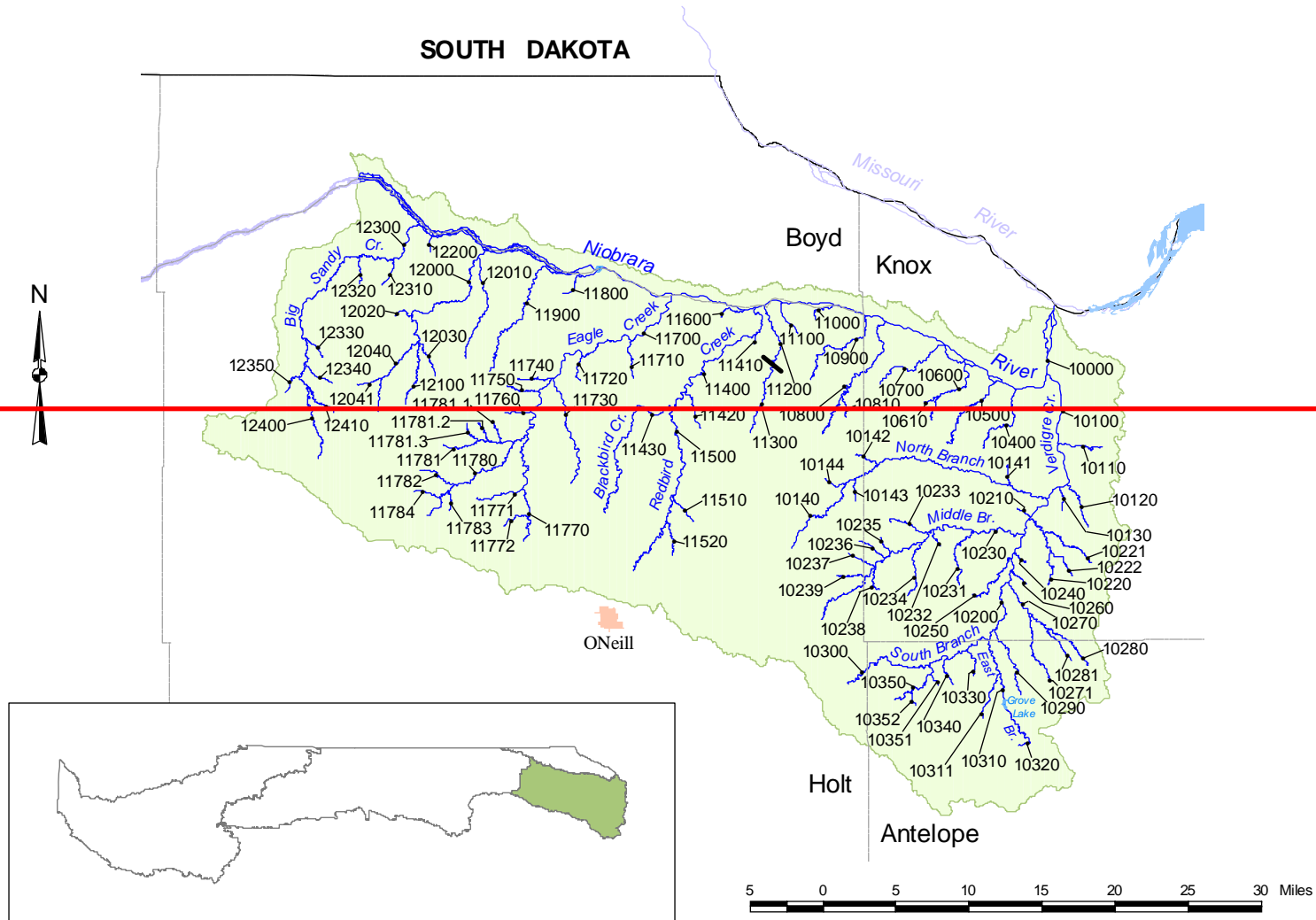
RIVER BASIN: Niobrara

Subbasin: NI1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | | COMMENTS |
|--------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|------------------------|--------------------------|----------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| Unnamed Creek (Sec 29-35N-14W) | 10250 | | | | B | | A | | • | <u>12</u> <u>35</u> | <u>Sensitive Species</u> | |
| Unnamed Creek (Sec 24-35N-15W) | 10260 | | | | B | | A | | • | <u>12</u> <u>35</u> | <u>Sensitive Species</u> | |

Subbasin NI2

SOUTH DAKOTA



Effective Date:

5-117

RIVER BASIN: Niobrara

Subbasin: NI2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | | COMMENTS |
|----------------------------------------------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| Niobrara River - Keya Paha River to Missouri River | 10000 | A* | ● | | A | | | A | ● | ● | 1,2,12,18,21,22,23,28,31,35 i,n,r,s,t,v | Endangered Species Threatened Species Sensitive Species Portion of Segment Designated a Scenic River Under the Federal Wild and Scenic Rivers Act |
| Verdigre Creek - North Branch Verdigre Creek to Niobrara River | 10100 | A** | ● | | A | | | A | | ● | 2,12,23,28,31,35 | Endangered Species Sensitive Species Portion of Segment Designated a Scenic River Under the Federal Wild and Scenic Rivers Act |
| Unnamed Creek (Sec 29-31N-6W) | 10110 | | | | B | | | A | | ● | 12,23,28 | Sensitive Species |
| Unnamed Creek (Sec 9-30N-6W) | 10120 | | | | B | | | A | | ● | 12,23,28 | Sensitive Species |
| Unnamed Creek (Sec 8-30N-6W) | 10130 | | | | B | | | A | | ● | 12,23,28 | Sensitive Species |
| North Branch Verdigre Creek | 10140 | | ● | B | | | | A | | ● | 12,23,28 | Sensitive Species |
| Unnamed Creek (Sec 11-30N-7W) | 10141 | | | | B | | | A | | ● | 12,23,28 | Sensitive Species |
| Unnamed Creek (Sec 31-31N-8W) | 10142 | | | | B | | | A | | ● | 12,23,28 | Sensitive Species |
| Unnamed Creek (Sec 1-30N-9W) | 10143 | | | | B | | | A | | ● | 12,23,28 | Sensitive Species |
| Unnamed Creek (Sec 11-30N-9W) | 10144 | | | | B | | | A | | ● | 12,23 | Sensitive Species |
| Verdigre Creek - Confluence of South Branch and East Branch Verdigre Creeks (Sec 33-29N-7W) to North Branch Verdigre Creek | 10200 | | ● | | B | | | A | | ● | 12,23,28 | Sensitive Species |

*State Resource Water designation applies from the Western Knox County line (Sec 7,T32N,R8W) to its mouth at the Missouri River.

**State Resource Water designation applies from the north boundary of the town of Verdigre (Sec 5,T30N,R6W) to its mouth at the Niobrara River.

RIVER BASIN: Niobrara

Subbasin: NI2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|-------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|------------|-------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Unnamed Creek (Sec 24-30N-7W) | 10210 | | | | B | | A | | ● | 12, 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 24-30N-7W) | 10220 | | | B | | | A | | ● | 12, 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 30-30N-6W) | 10221 | | | | B | | A | | ● | 12, 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 31-30N-6W) | 10222 | | | | B | | A | | ● | 12, 23, 28 | Sensitive Species |
| Middle Branch Verdigre Creek | 10230 | | ● | B | | | A | | ● | 12, 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 29-30N-7W) | 10231 | | | | B | | A | | ● | 12, 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 26-30N-8W) | 10232 | | | | B | | A | | ● | 12, 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 26-30N-8W) | 10233 | | | | B | | A | | ● | 12, 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 35-30N-8W) | 10234 | | | | B | | A | | ● | 12, 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 32-30N-8W) | 10235 | | | | B | | A | | ● | 12, 23, 28 | Sensitive Species |
| Lamb Creek | 10236 | | | | B | | A | | ● | 12, 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 6-29N-8W) | 10237 | | | B | | | A | | ● | 12, 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 6-29N-8W) | 10238 | | | | B | | A | | ● | 12, 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 7-29N-8W) | 10239 | | | B | | | A | | ● | 12, 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 35-30N-7W) | 10240 | | | | B | | A | | ● | 12, 23, 28 | Sensitive Species |

Effective Date: _____

RIVER BASIN: Niobrara

Subbasin: NI2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|------------------------------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|-----------------|-------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Unnamed Creek (Sec 2-29N-7W) | 10250 | | | | B | | A | | ● | 12, 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 11-29N-7W) | 10260 | | | | B | | A | | ● | 12, 23, 28 | Sensitive Species |
| Merriman Creek - Unnamed Creek (Sec 25-28N-7W) to Verdigre Creek | 10270 | | ● | B | | | A | | ● | 12, 23, 28,n | Sensitive Species |
| Unnamed Creek (Sec 25-28N-7W) | 10271 | | | B | | | A | | ● | 12, 23, 28 | Sensitive Species |
| Merriman Creek - Headwaters to Unnamed Creek (Sec 25-28N-7W) | 10280 | | | B | | | A | | ● | 12, 23, 28,n | Sensitive Species |
| Unnamed Creek (Sec 31-29N-6W) | 10281 | | | | B | | A | | ● | 12, 23 | Sensitive Species |
| Cottonwood Creek | 10290 | | | | B | | A | | ● | 12, 23, 28 | Sensitive Species |
| South Branch Verdigre Creek - Headwaters to East Branch Verdigre Creek (Sec 33-29N-7W) | 10300 | | ● | B | | | A | | ● | 12, 23, 28 | Sensitive Species |
| East Branch Verdigre Creek - Grove Lake Dam (Sec 22-28N-7W) to South Branch Verdigre Creek (Sec 33-29N-7W) | 10310 | | ● | B | | | A | | ● | 12, 23, 28, n,r | Sensitive Species |
| Hay Creek | 10311 | | | | B | | A | | ● | 12, 23 | Sensitive Species |
| East Branch Verdigre Creek - Headwaters to Grove Lake Dam (Sec 22-28N-7W) | 10320 | | ● | A | | | A | | ● | 12, 23, e,n, r | Sensitive Species |
| Unnamed Creek (Sec 6-28N-7W) | 10330 | | | | B | | A | | ● | 12, 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 12-28N-8W) | 10340 | | | | B | | A | | ● | 12, 23 | Sensitive Species |
| Big Springs Creek | 10350 | | | B | | | A | | ● | 12, 23 | Sensitive Species |
| Hathoway Slough | 10351 | | | | B | | A | | ● | 12, 23 | Sensitive Species |
| Unnamed Creek (Sec 22-28N-8W) | 10352 | | | | B | | A | | ● | 12, 23 | Sensitive Species |

RIVER BASIN: Niobrara

Subbasin: NI2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|---------------------------------------------|-----------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Schindler Creek | 10400 | | | B | | | A | | ● | 2, 12, 13, 23, 28, 31, 35 | Endangered Species Sensitive Species |
| Unnamed Creek (Sec 3-31N-7W) | 10500 | | | | B | | A | | ● | 12, 23, 28, 31, 35 | Sensitive Species |
| Soldier Creek | 10600 | | | | B | | A | | ● | 12, 23, 28, 31, 35 | Sensitive Species |
| Unnamed Creek (Sec 12-31N-8W) | 10610 | | | | B | | A | | ● | 12, 23 | Sensitive Species |
| Pishel Creek | 10700 | | | B | | | A | | ● | 12, 28, 31, 35 | Sensitive Species |
| Steel Creek | 10800 | | ● | A | | | A | | ● | 12, 23, 28, 31, 35, n,r | Sensitive Species |
| Long Gulch | 10810 | | | B | | | A | | ● | 12, 23, 28 | Sensitive Species |
| Red Otter Creek | 10900 | | | B | | | A | | ● | 12, 28, 31, 35 | Sensitive Species |
| Unnamed Creek (Sec 10-32N-9W) | 11000 | | | B | | | A | | ● | 12, 28, 31, 35 | Sensitive Species |
| Sand Creek | 11100 | | | B | | | A | | ● | 12, 28, 31, 35 | Sensitive Species |
| Louse Creek - Sec 36-32N-10W to Niobrara River | 11200 | | ● | A | | | A | | ● | 12, 28, 31, 35,d, e,i,r | Sensitive Species |

Effective Date: _____

RIVER BASIN: Niobrara

Subbasin: NI2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|---------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|----------------------|-----------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Louse Creek - Headwaters to Sec 36-32N-10W | 11300 | | | A | | | A | | ● | 12, 23, 28, d,e | Sensitive Species |
| Redbird Creek - Blackbird Creek to Niobrara River | 11400 | | ● | B | | | A | | ● | 12, 23, 28, 31, 35 | Sensitive Species |
| Unnamed Creek (Sec 21-32N-10W) | 11410 | | | | B | | A | | ● | 12, 28, 35 | <u>Sensitive Species</u> |
| Spring Creek | 11420 | | | B | | | A | | ● | 9, 12, 23, 28, 35 | Sensitive Species |
| Blackbird Creek | 11430 | | | | B | | A | | ● | 12, 23, 28, 35 | <u>Sensitive Species</u> |
| Redbird Creek - Headwaters to Blackbird Creek | 11500 | | | B | | | A | | ● | 12, 23, 28, 35 | Sensitive Species |
| Unnamed Creek (Sec 12-30N-11W) | 11510 | | | B | | | A | | ● | 12, 23, 35 | <u>Sensitive Species</u> |
| Unnamed Creek (Sec 23-30N-11W) | 11520 | | | B | | | A | | ● | 12, 23, 35 | <u>Sensitive Species</u> |
| Unnamed Creek (Sec 10-32N-10W) | 11600 | | | B | | | A | | ● | 12, 28, 31, 35 | <u>Sensitive Species</u> |
| Eagle Creek | 11700 | | ● | B | | | A | | ● | 12, 23, 28, 31, 35,i | <u>Sensitive Species</u> |
| Camp Creek | 11710 | | | B | | | A | | ● | 3, 12, 23, 28 | Threatened Species Sensitive Species |
| Unnamed Creek (Sec 26-32N-12W) | 11720 | | | B | | | A | | ● | 12, 23, 28 | <u>Sensitive Species</u> |
| Honey Creek | 11730 | | | | B | | A | | ● | 12, 23, 28 | <u>Sensitive Species</u> |

RIVER BASIN: Niobrara

Subbasin: NI2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS |
|--------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|----------------|-------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | INDUSTRIAL | |
| Unnamed Creek (Sec 33-32N-12W) | 11740 | | | B | | | A | | ● | 12, 23, 28 | Sensitive Species |
| Oak Creek | 11750 | | | A | | | A | | ● | 12, 23, 28, d | Sensitive Species |
| Unnamed Creek (Sec 17-31N-12W) | 11760 | | | B | | | A | | ● | 12, 23, 28 | Sensitive Species |
| East Branch Eagle Creek | 11770 | | | B | | | A | | ● | 12, 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 7-30N-12W) | 11771 | | | B | | | A | | ● | 12, 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 20-30N-12W) | 11772 | | | B | | | A | | ● | 12, 23, 28 | Sensitive Species |
| Middle Branch Eagle Creek | 11780 | | ● | B | | | A | | ● | 12, 23, 28, i | Sensitive Species |
| North Branch Eagle Creek | 11781 | | ● | B | | | A | | ● | 12, 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 25-31N-13W) | 11781.1 | | | B | | | A | | ● | 12, 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 26-31N-13W) | 11781.2 | | | B | | | A | | ● | 12, 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 27-31N-13W) | 11781.3 | | | B | | | A | | ● | 12, 23 | Sensitive Species |
| Unnamed Creek (Sec 8-30N-13W) | 11782 | | | B | | | A | | ● | 12, 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 8-30N-13W) | 11783 | | | B | | | A | | ● | 12, 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 7-30N-13W) | 11784 | | | B | | | A | | ● | 23, 28 | Sensitive Species |
| Unnamed Creek (Sec 25-33N-12W) | 11800 | | | | B | | A | | ● | 12, 28, 31, 35 | Sensitive Species |

Effective Date: _____

RIVER BASIN: Niobrara

Subbasin: NI2

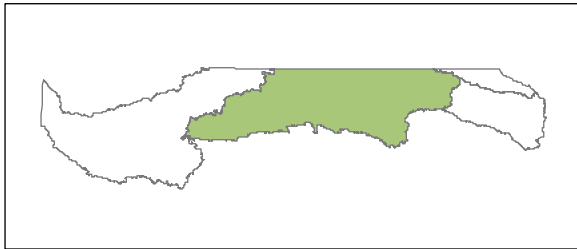
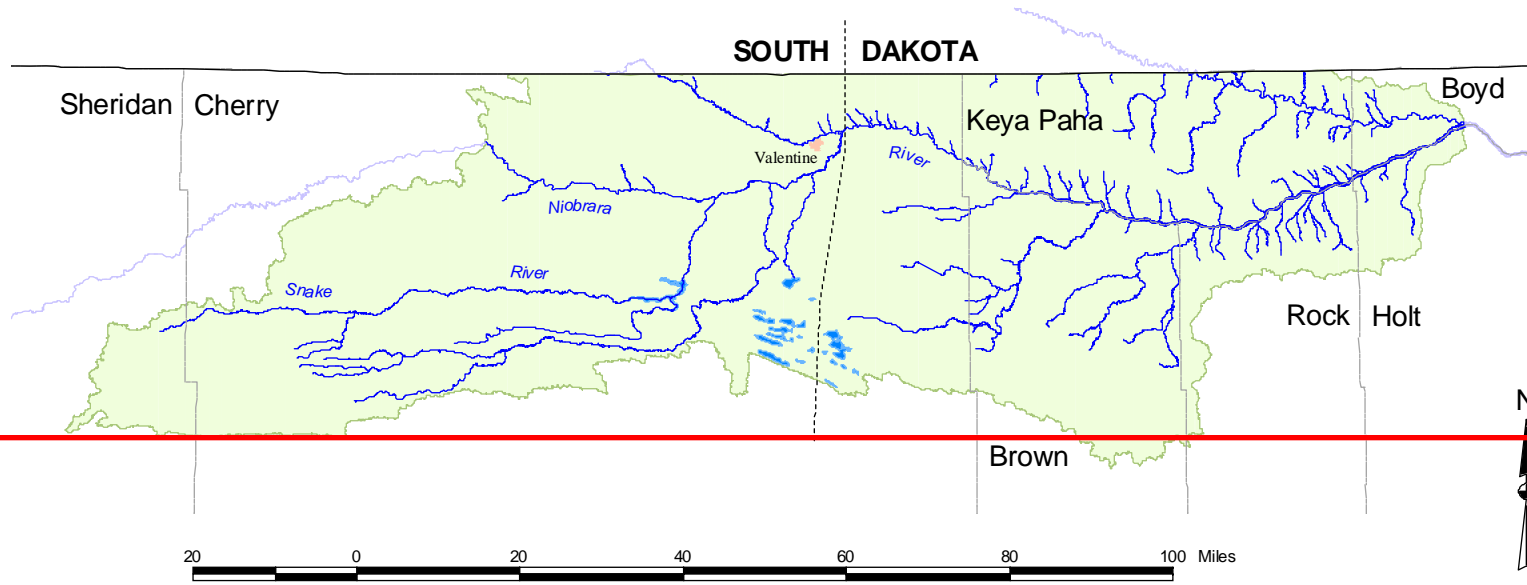
| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|----------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|----------------------|-------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Turkey Creek | 11900 | | | B | | | A | | ● | 12, 23, 28, 31, 35 | Sensitive Species |
| Brush Creek - Unnamed Creek (Sec 24-32N-14W) to Niobrara River | 12000 | | | B | | | A | | ● | 12, 23, 28, 31, 35.n | Sensitive Species |
| Spring Creek | 12010 | | | B | | | A | | ● | 12, 23, 28, 31, 35 | Sensitive Species |
| Unnamed Creek (Sec 11-32N-14W) | 12020 | | | B | | | A | | ● | 12, 23 | Sensitive Species |
| Unnamed Creek (Sec 24-32N-14W) | 12030 | | | B | | | A | | ● | 12, 23 | Sensitive Species |
| Unnamed Creek (Sec 24-32N-14W) | 12040 | | | B | | | A | | ● | 12, 23 | Sensitive Species |
| Unnamed Creek (Sec 33-32N-14W) | 12041 | | | B | | | A | | ● | 12, 23 | Sensitive Species |
| Brush Creek - Headwaters to Unnamed Creek (Sec 24-32N-14W) | 12100 | | | B | | | A | | ● | 12, 23.n | Sensitive Species |
| Little Sandy Creek | 12200 | | | B | | | A | | ● | 12, 28, 31, 35.d | Sensitive Species |
| Big Sandy Creek - Spring Creek to Niobrara River | 12300 | | ● | | B | | A | | ● | 12, 23, 28, 31, 35 | Sensitive Species |
| Unnamed Creek (Sec 23-33N-14W) | 12310 | | | B | | | A | | ● | 12, 28 | Sensitive Species |
| Unnamed Creek (Sec 21-33N-14W) | 12320 | | | B | | | A | | ● | 12 | Sensitive Species |
| Unnamed Creek (Sec 22-32N-15W) | 12330 | | | | B | | A | | ● | 12, 23 | Sensitive Species |
| Unnamed Creek (Sec 27-32N-15W) | 12340 | | | | B | | A | | ● | 12, 23 | Sensitive Species |
| Spring Creek | 12350 | | | B | | | A | | ● | 9, 12, 23 | Sensitive Species |
| Big Sandy Creek - Headwaters to Spring Creek | 12400 | | ● | B | | | A | | ● | 12, 23 | Sensitive Species |

RIVER BASIN: Niobrara

Subbasin: NI2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS |
|-------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|------------|--------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | INDUSTRIAL | |
| Unnamed Creek (Sec 3-31N-15W) | 12410 | | | B | | | A | | • | 12, 23 | <u>Sensitive Species</u> |

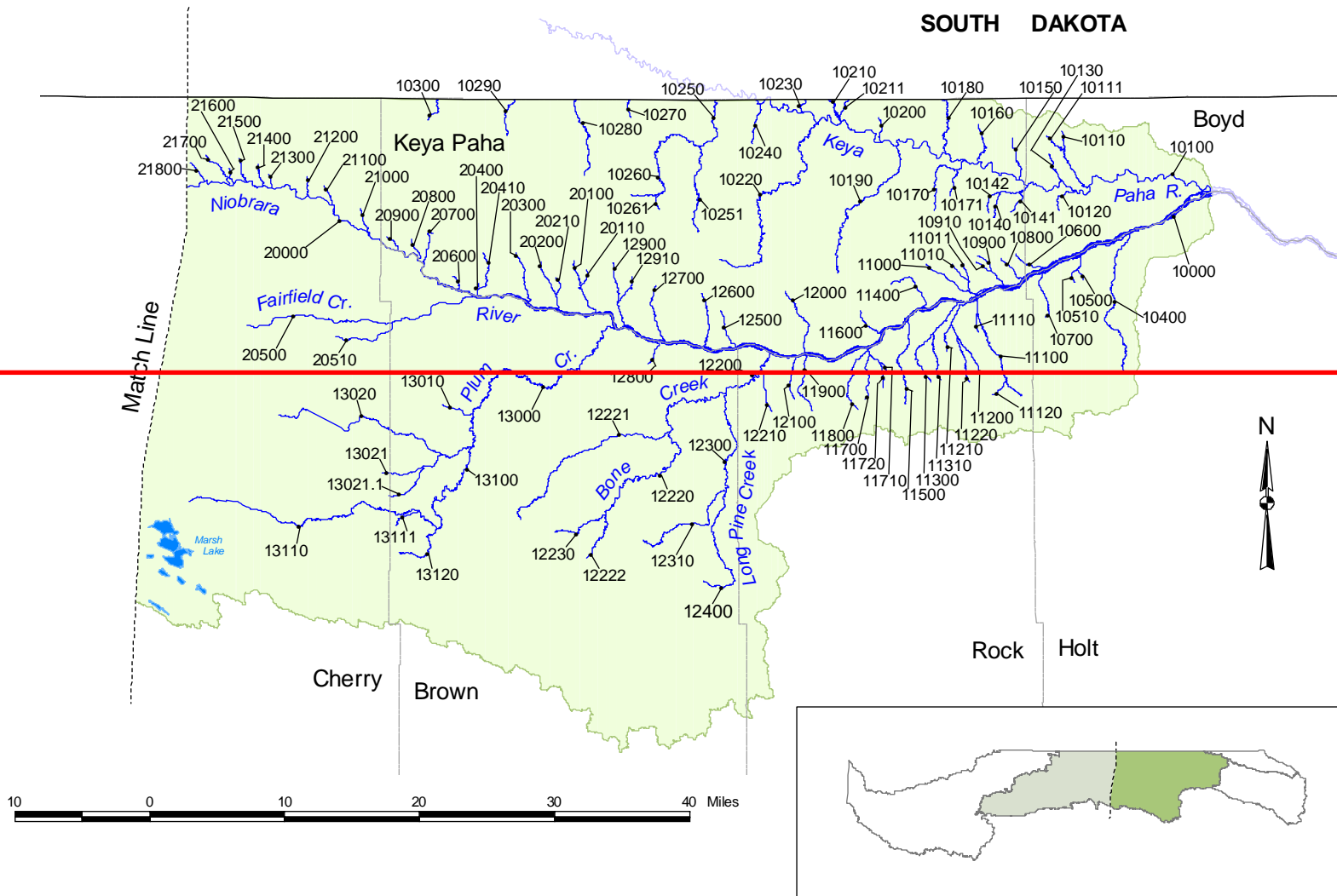
Effective Date:



Subbasin NI3

Subbasin NI3 (East)

SOUTH DAKOTA

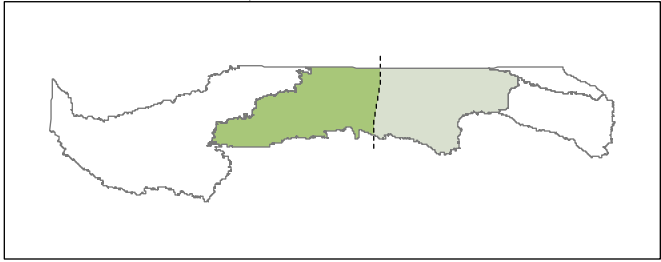
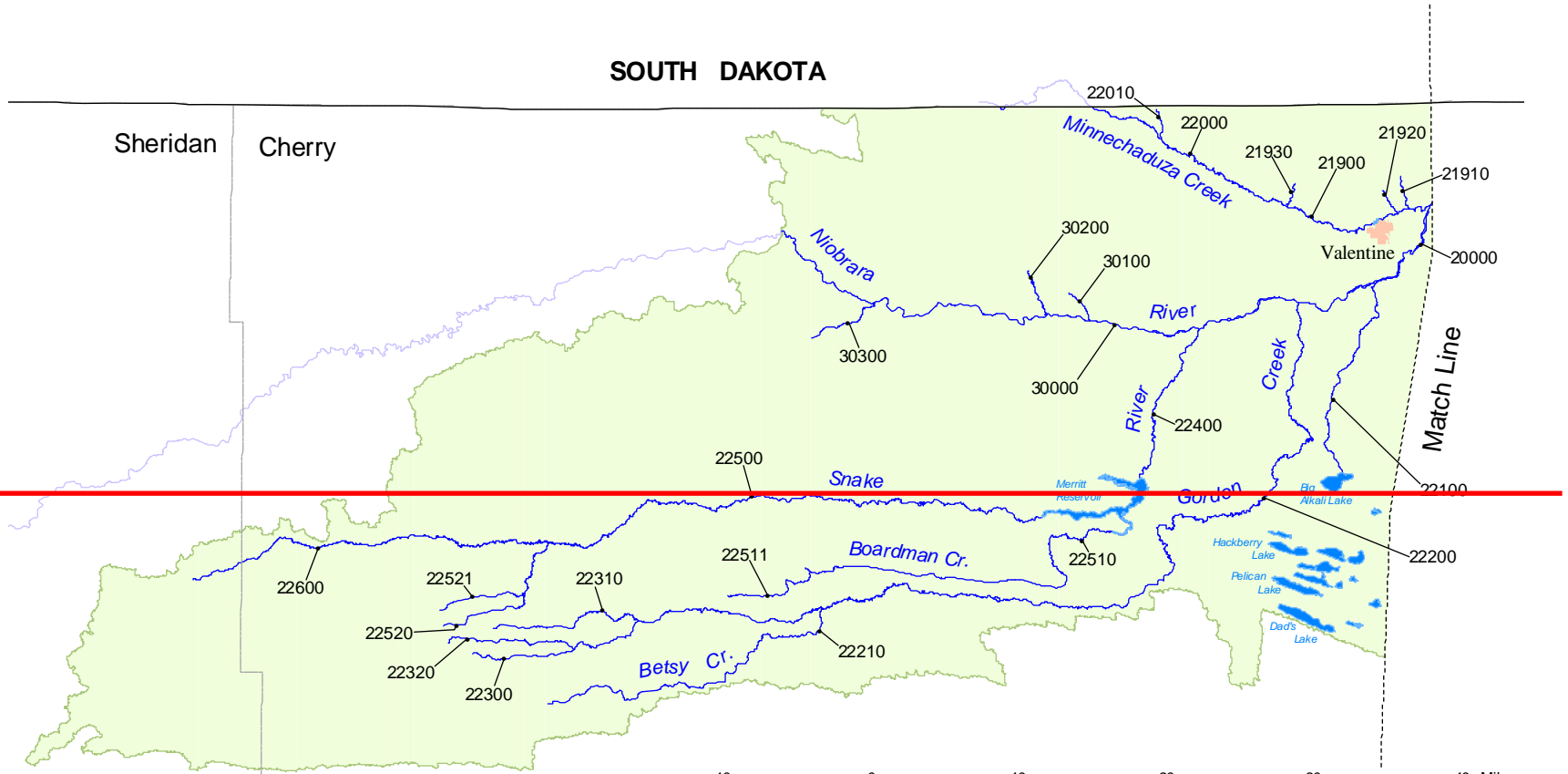


Effective Date:

Effective Date:

SOUTH DAKOTA

Sheridan Cherry



Subbasin NI3 (West)

RIVER BASIN: Niobrara

Subbasin: NI3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS | |
|-----------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| Niobrara River - Plum Creek to Keya Paha River | 10000 | A* | ● | | A | | A | | | ● | <u>3.4</u> , <u>5.6</u> , <u>12</u> , <u>28</u> , <u>31</u> , <u>35</u> , i,m, n,r | <u>Endangered Species</u> , <u>Threatened Species</u> , <u>Sensitive Species</u> |
| Keya Paha River - Nebraska-South Dakota border (Sec 23-35N-20W) to Niobrara River | 10100 | | ● | | A | | A | | | ● | <u>3.4</u> , <u>5.6</u> , <u>12</u> , <u>28</u> , <u>31</u> , <u>35</u> , i,n | <u>Endangered Species</u> , <u>Threatened Species</u> , <u>Sensitive Species</u> |
| Morse Creek | 10110 | | | B | | | A | | | ● | <u>12</u> , <u>28</u> , <u>31</u> , <u>35</u> | <u>Sensitive Species</u> |
| Unnamed Creek (Sec 9-34N-16W) | 10111 | | | B | | | A | | | ● | <u>12</u> | <u>Sensitive Species</u> |
| Big Creek | 10120 | | | B | | | A | | | ● | <u>12</u> , <u>28</u> , <u>31</u> , <u>35</u> | <u>Sensitive Species</u> |
| Meglin Creek | 10130 | | | B | | | A | | | ● | <u>12</u> , <u>28</u> | <u>Sensitive Species</u> |
| Oak Creek | 10140 | | | B | | | A | | | ● | <u>3</u> , <u>12</u> , <u>28</u> | <u>Threatened Species</u> , <u>Sensitive Species</u> |
| Unnamed Creek (Sec 25-34N-17W) | 10141 | | | B | | | A | | | ● | <u>3</u> , <u>12</u> , <u>28</u> | <u>Threatened Species</u> , <u>Sensitive Species</u> |
| Unnamed Creek (Sec 26-34N-17W) | 10142 | | | B | | | A | | | ● | <u>3</u> , <u>12</u> , <u>28</u> | <u>Threatened Species</u> , <u>Sensitive Species</u> |
| Alkali Creek | 10150 | | | | B | | A | | | ● | <u>3</u> , <u>12</u> , <u>28</u> | <u>Threatened Species</u> , <u>Sensitive Species</u> |
| Spotted Tail Creek | 10160 | | | B | | | A | | | ● | <u>3.4</u> , <u>12</u> , <u>28</u> | <u>Threatened Species</u> , <u>Sensitive Species</u> |
| Coon Creek | 10170 | | | B | | | A | | | ● | <u>3.4</u> , <u>12</u> , <u>28</u> | <u>Threatened Species</u> , <u>Sensitive Species</u> |
| Unnamed Creek (Sec 17-34N-17W) | 10171 | | | | B | | A | | | ● | <u>3.4</u> , <u>12</u> , <u>28</u> | <u>Threatened Species</u> , <u>Sensitive Species</u> |

*State Resource Water designation applies from Rock Creek (NI3-12900) (Sec 12, T32N, R22W) to the State Hwy. 137 bridge (Sec 5, T32N, R17W).

Effective Date: _____

RIVER BASIN: Niobrara

Subbasin: NI3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS | |
|----------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|------------------------|---------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| Wolf Creek | 10180 | | | B | | | | A | | ● | 3.4, 12, 28 | Threatened Species Sensitive Species |
| Spring Creek | 10190 | | | B | | | | A | | ● | 3.4, 5.6, 12, 28 | Endangered Species Threatened Species Sensitive Species |
| Dry Creek | 10200 | | | | B | | | A | | ● | 3.4, 12, 28 | Threatened Species Sensitive Species |
| Buffalo Creek - Nebraska-South Dakota border (Sec 22-35N-19W) to Keya Paha River | 10210 | | | | B | | | A | | ● | 3, 12, 28 | Threatened Species Sensitive Species |
| Unnamed Creek - Nebraska-South Dakota border to Buffalo Creek (Sec 26-35N-19W) | 10211 | | | | B | | | A | | ● | 3, 12, 28 | Threatened Species Sensitive Species |
| Burton Creek | 10220 | | | B | | | | A | | ● | 3.5, 6, 12, 28 | Endangered Species Threatened Species Sensitive Species |
| Lute Creek - Nebraska-South Dakota border (Sec 20-35N-19W) to Keya Paha River | 10230 | | | | B | | | A | | ● | 3.5, 6, 12, 28 | Endangered Species Threatened Species Sensitive Species |
| Jordan Creek | 10240 | | | | B | | | A | | ● | 3.5, 6, 12, 28 | Endangered Species Threatened Species Sensitive Species |
| Holt Creek - East Holt Creek to Nebraska-South Dakota border (Sec 19-35N-20W) | 10250 | | | B | | | | A | | ● | 3,4, 5,6, 9,12, 15, 16 | Endangered Species Threatened Species Sensitive Species |
| East Holt Creek | 10251 | | | B | | | | A | | ● | 3,4, 5.6, 12 | Endangered Species Threatened Species Sensitive Species |
| Holt Creek - Headwaters to East Holt Creek | 10260 | | | B | | | | A | | ● | 3,4, 5,6, 12 | Endangered Species Threatened Species Sensitive Species |
| Unnamed Creek (Sec 21-34N-21W) | 10261 | | | B | | | | A | | ● | 3,4, 5.6, 12 | Endangered Species Threatened Species Sensitive Species |
| Timber Creek - Headwaters to Nebraska-South Dakota border (Sec 19-35N-21W) | 10270 | | | B | | | | A | | ● | 3,4, 5.6, 12 | Endangered Species Threatened Species Sensitive Species |
| Cottonwood Creek - Headwaters to Nebraska-South Dakota border (Sec 21-35N-22W) | 10280 | | | | A | | | A | | ● | 3,4, 5.6, 12 | Endangered Species Threatened Species Sensitive Species |

RIVER BASIN: Niobrara

Subbasin: NI3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS |
|-----------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|---------------------|-------------------------------------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | INDUSTRIAL | |
| Lost Creek - Headwaters to Nebraska-South Dakota border (Sec 22-35N-23W) | 10290 | | ● | | A | | A | | ● | 3,4,5.6,12.n | Endangered Species , Threatened Species , Sensitive Species |
| Shadley Creek - Headwaters to Nebraska-South Dakota border (Sec 23-35N-24W) | 10300 | | | B | | | A | | ● | 3,4,5.6,12 | Endangered Species , Threatened Species , Sensitive Species |
| Beaver Creek | 10400 | | | B | | | A | | ● | 12,13,23,28,31,35.n | Sensitive Species |
| Clay Creek | 10500 | | | B | | | A | | ● | 12,28,31,35 | Sensitive Species |
| West Branch Clay Creek | 10510 | | | B | | | A | | ● | 12,28,31,35 | Sensitive Species |
| Unnamed Creek (Sec 20-33N-16W) | 10600 | | | | B | | A | | ● | 3,12,28,31,35 | Threatened Species , Sensitive Species |
| Otter Creek | 10700 | | | B | | | A | | ● | 12,28,31,35 | Sensitive Species |
| Unnamed Creek (Sec 25-33N-17W) | 10800 | | | B | | | A | | ● | 3,12,28,31,35 | Threatened Species , Sensitive Species |
| Simpson Creek | 10900 | | | B | | | A | | ● | 3,12,28,31,35 | Threatened Species , Sensitive Species |
| Unnamed Creek (Sec 22-33N-17W) | 10910 | | | B | | | A | | ● | 3,12,28,31,35 | Threatened Species , Sensitive Species |
| Big Anne Creek | 11000 | | | B | | | A | | ● | 3.4,12,28,31,35 | Threatened Species , Sensitive Species |

Effective Date: _____

RIVER BASIN: Niobrara

Subbasin: NI3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|--------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Haughin Creek | 11010 | | | B | | | A | | ● | 3.4 , 12 , 28 , 31 , 35 | Threatened Species Sensitive Species |
| Unnamed Creek (Sec 29-33N-17W) | 11011 | | | B | | | A | | ● | 3.4 , 12 , 28 , 31 , 35 | Threatened Species Sensitive Species |
| Ash Creek | 11100 | | | B | | | A | | ● | 3.5 , 6 , 12 , 23 , 28 , 31 , 35 , d | Endangered Species Threatened Species Sensitive Species |
| Unnamed Creek (Sec 8-32N-17W) | 11110 | | | | B | | A | | ● | 3.5 , 6 , 12 , 28 , 31 , 35 | Endangered Species Threatened Species Sensitive Species |
| Unnamed Creek (Sec 3-31N-17W) | 11120 | | | | B | | A | | ● | 3.5 , 6 , 12 , 23 | Endangered Species Threatened Species Sensitive Species |
| Oak Creek | 11200 | | | B | | | A | | ● | 3.4 , 5.6 , 12 , 28 , 31 , 35 , d,e | Endangered Species Threatened Species Sensitive Species |
| Unnamed Creek (Sec 12-32N-18W) | 11210 | | | B | | | A | | ● | 3.4 , 5.6 , 12 , 28 , 31 , 35 | Endangered Species Threatened Species Sensitive Species |
| Unnamed Creek (Sec 18-32N-17W) | 11220 | | | B | | | A | | ● | 3.5 , 6 , 12 | Endangered Species Threatened Species Sensitive Species |
| Willow Creek | 11300 | | | B | | | A | | ● | 3.4 , 5.6 , 12 , 28 , 31 , 35 | Endangered Species Threatened Species Sensitive Species |

RIVER BASIN: Niobrara

Subbasin: NI3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | KEY SPECIES | COMMENTS | |
|------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|-------------------------------|---------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | INDUSTRIAL | | | |
| Sand Creek | 11310 | | | B | | | A | | | ● | 3.4, 5.6, 12, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Unnamed Creek (Sec 3-32N-18W) | 11400 | | | B | | | A | | | ● | 3.4, 5.6, 12, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Rock Creek | 11500 | | | B | | | A | | | ● | 3.4, 5.6, 12, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Unnamed Creek (Sec 18-32N-18W) | 11600 | | | B | | | A | | | ● | 3.4, 5.6, 12, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| West Branch Laughing Water Creek | 11700 | | | B | | | A | | | ● | 3.4, 5.6, 12, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| East Branch Laughing Water Creek | 11710 | | | B | | | A | | | ● | 3.4, 5.6, 12, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Middle Branch Laughing Water Creek | 11711 | | | B | | | A | | | ● | 3.4, 5.6, 12, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Coon Creek | 11800 | | | B | | | A | | | ● | 3.4, 5.6, 12, 28, 31, 35, d,e | Endangered Species Threatened Species Sensitive Species |
| Elk Creek | 11900 | | | B | | | A | | | ● | 3.4, 5.6, 12, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |

Effective Date: _____

RIVER BASIN: Niobrara

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| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS | |
|----------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|---------------------------------|---------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| Wyman Creek | 12000 | | | B | | | | A | | ● | 3.4, 5.6, 12, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Sand Creek | 12100 | | | A | | | | A | | ● | 3.4, 5.6, 12, 28, 31, 35, d | Endangered Species Threatened Species Sensitive Species |
| Long Pine Creek - Bone Creek to Niobrara River | 12200 | | ● | B | | | | A | | ● | 3.4, 5.6, 12, 28, 31, 35, d,e,i | Endangered Species Threatened Species Sensitive Species |
| Short Pine Creek | 12210 | | | A | | | | A | | ● | 3.4, 5.6, 12, 28, 31, 35, c,d | Endangered Species Threatened Species Sensitive Species |
| Bone Creek - Unnamed Creek (Sec 23-30N-22W) to Long Pine Creek | 12220 | | ● | B | | | | A | | ● | 3.4, 5.6, 8, 12, 28, 31 | Endangered Species Threatened Species Sensitive Species |
| Sand Draw | 12221 | | ● | B | | | | A | | ● | 3.4, 5.6, 12, 31, r | Endangered Species Threatened Species Sensitive Species |
| Unnamed Creek (Sec 23-30N-22W) | 12222 | | | B | | | | A | | ● | 3.4, 5.6, 31 | Endangered Species Threatened Species Sensitive Species |
| Bone Creek - Headwaters to Unnamed Creek (Sec 23-30N-22W) | 12230 | | | B | | | | A | | ● | 3.4, 5.6, 7, 8, 10, 31 | Endangered Species Threatened Species Sensitive Species |
| Long Pine Creek - Willow Creek to Bone Creek | 12300 | B | ● | A | | | | A | | ● | 3.4, 5.6, 8, 12, 28, 31, d,e | Endangered Species Threatened Species Sensitive Species |

RIVER BASIN: Niobrara

Subbasin: NI3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Willow Creek | 12310 | | | B | | | A | | ● | 3.5 , 6 | Endangered Species , Threatened Species |
| Long Pine Creek - Headwaters to Willow Creek | 12400 | B | ● | A | | | A | | ● | 3.5 , 6.8 , d,e | Endangered Species , Threatened Species , Sensitive Species |
| Thomas Creek | 12500 | | | B | | | A | | ● | 3.4 , 5.6 , 12 , 28 , 31 , 35 | Endangered Species , Threatened Species , Sensitive Species |
| Prosser Creek | 12600 | | | B | | | A | | ● | 3.4 , 5.6 , 12 , 28 , 31 , 35 | Endangered Species , Threatened Species , Sensitive Species |
| Jewett Creek | 12700 | | | B | | | A | | ● | 3.4 , 5.6 , 12 , 28 , 31 , 35 | Endangered Species , Threatened Species , Sensitive Species |
| Dutch Creek | 12800 | | | B | | | A | | ● | 3.4 , 5.6 , 12 , 28 , 31 , 35 | Endangered Species , Threatened Species , Sensitive Species |
| Rock Creek | 12900 | | | | B | | A | | ● | 3.4 , 5.6 , 12 , 28 , 31 , 35 | Endangered Species , Threatened Species , Sensitive Species |
| Unnamed Creek (Sec 1-32N-22W) | 12910 | | | | B | | A | | ● | 3.4 , 5.6 , 12 , 28 , 31 , 35 | Endangered Species , Threatened Species , Sensitive Species |
| Plum Creek - Evergreen Creek to Niobrara River | 13000 | | ● | B | | | A | | ● | 3.4 , 5.6 , 12 , 28 , 31 , 35 | Endangered Species , Threatened Species , Sensitive Species |
| Little Minnie Creek | 13010 | | | B | | | A | | ● | 3.4 , 5.6 , 12 , 35 | Endangered Species , Threatened Species , Sensitive Species |

Effective Date: _____

RIVER BASIN: Niobrara

Subbasin: NI3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | KEY SPECIES | COMMENTS | |
|----------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|-------------------------------|---------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | INDUSTRIAL | | | |
| Evergreen Creek | 13020 | | | B | | | A | | | ● | 3.4, 5.6, 12, 13, 15, 35 | Endangered Species Threatened Species Sensitive Species |
| Cedar Creek | 13021 | | | B | | | A | | | ● | 3.5, 6, 12 | Endangered Species Threatened Species Sensitive Species |
| Dry Creek | 13021.1 | | | B | | | A | | | ● | 3.5, 6, 12 | Endangered Species Threatened Species Sensitive Species |
| Plum Creek - Confluence of North and South Branch Plum Creeks to Evergreen Creek | 13100 | | ● | A | | | A | | | ● | 3.4, 5.6, 12, 13, 35, d,e,r | Endangered Species Threatened Species Sensitive Species |
| North Branch Plum Creek | 13110 | | ● | B | | | A | | | ● | 3.5, 6, 12 | Endangered Species Threatened Species Sensitive Species |
| Brush Creek | 13111 | | | B | | | A | | | ● | 3.5, 6, 12 | Endangered Species Threatened Species Sensitive Species |
| South Branch Plum Creek | 13120 | | | B | | | A | | | ● | 3.5, 6 | Endangered Species Threatened Species |
| Niobrara River - Snake River to Plum Creek | 20000 | A* | ● | | A | | A | | | ● | 3.4, 5.6, 12, 28, 31, 35, i,n | Endangered Species Threatened Species Sensitive Species |
| Cub Creek | 20100 | | | B | | | A | | | ● | 3.4, 5.6, 12, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Unnamed Creek (Sec 28-33N-22W) | 20110 | | | B | | | A | | | ● | 3.4, 5.6, 12 | Endangered Species Threatened Species Sensitive Species |
| Chimney Creek | 20200 | | | B | | | A | | | ● | 3.4, 5.6, 12, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |

*State Resource Water designation applies from Borman Bridge (Sec 8, T33N, R27W) to Chimney Creek (NI3-20200) (Sec 6, T32N, R22W).

RIVER BASIN: Niobrara

Subbasin: NI3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS | |
|--------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|---------------------------------|---------------------------------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| Unnamed Creek (Sec 32-33N-22W) | 20210 | | | B | | | | A | | ● | 3.4, 5.6, 12, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Turkey Creek | 20300 | | | B | | | | A | | ● | 3.4, 5.6, 12, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Middle Creek | 20400 | | | | B | | | A | | ● | 3.4, 5.6, 12, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| East Middle Creek | 20410 | | | | B | | | A | | ● | 3.4, 5.6, 12, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Fairfield Creek | 20500 | | ● | A | | | | A | | ● | 3.4, 5.6, 12, 13, 28, 31, 35, d | Endangered Species Threatened Species Sensitive Species |
| South Fork Fairfield Creek | 20510 | | | B | | | | A | | ● | 3.4, 5.6, 12, d | Endangered Species Threatened Species Sensitive Species |
| McGill Creek | 20600 | | | | B | | | A | | ● | 3.4, 5.6, 12, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Mulshoe Creek | 20700 | | | B | | | | A | | ● | 3.4, 5.6, 12, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Coleman Creek | 20800 | | | B | | | | A | | ● | 3.4, 5.6, 12, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |

Effective Date: _____

RIVER BASIN: Niobrara

Subbasin: NI3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|--------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|--------------------------|---------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Unnamed Creek (Sec 17-33N-24W) | 20900 | | | B | | | A | | ● | 3.4, 5.6, 12, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Clapp Creek | 21000 | | | B | | | A | | ● | 3.4, 5.6, 12, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Unnamed Creek (Sec 28-34N-25W) | 21100 | | | | B | | A | | ● | 3.4, 5.6, 12, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Unnamed Creek (Sec 30-34N-25W) | 21200 | | | | B | | A | | ● | 3.4, 5.6, 12, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Unnamed Creek (Sec 22-34N-26W) | 21300 | | | B | | | A | | ● | 3.4, 5.6, 12, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Unnamed Creek (Sec 22-34N-26W) | 21400 | | | B | | | A | | ● | 3.4, 5.6, 12, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Crooked Creek | 21500 | | | B | | | A | | ● | 3.4, 5.6, 12, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Little Beaver Creek | 21600 | | | | B | | A | | ● | 3.4, 5.6, 12, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Big Beaver Creek | 21700 | | | B | | | A | | ● | 3.4, 5.6, 12, 28, 31, 35 | Endangered Species Threatened Species Sensitive Species |

RIVER BASIN: Niobrara

Subbasin: NI3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | KEY SPECIES | COMMENTS |
|--------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | INDUSTRIAL | | |
| Coon Creek | 21800 | | | B | | | A | | ● | 3,4, 5,6, 12, 28, 31, 35 | Endangered Species , Threatened Species , Sensitive Species |
| Minnechaduza Creek - Dry Creek to Niobrara River | 21900 | | ● | B | | | A | | ● | 3,4, 5,6, 12, 14, 28, 31, 35 | Endangered Species , Threatened Species Sensitive Species |
| Spring Creek | 21910 | | | B | | | A | | ● | 3,4, 5,6, 12, 28, 31, 35 | Endangered Species , Threatened Species , Sensitive Species |
| Fishberry Creek | 21920 | | | B | | | A | | ● | 3,4, 5,6, 8,12 | Endangered Species , Threatened Species , Sensitive Species |
| Dry Creek | 21930 | | | B | | | A | | ● | 3,4, 5,6, 12, 13, 14, 15, n,v | Endangered Species , Threatened Species Sensitive Species |
| Minnechaduza Creek - Headwaters to Dry Creek | 22000 | | ● | B | | | A | | ● | 3,4, 5,6, 12, 14,f, i,m, n,r | Endangered Species Threatened Species Sensitive Species |
| Bull Creek | 22010 | | | B | | | A | | ● | 3,4, 5,6, 12, 14, 15,r | Endangered Species , Threatened Species Sensitive Species |
| Schlagel Creek | 22100 | | ● | A | | | A | | ● | 3,4, 5,6, 12, 31, 35, d,v | Endangered Species , Threatened Species , Sensitive Species |
| Gordon Creek - Betsy Creek to Niobrara River | 22200 | | | B | | | A | | ● | 3,4, 5,6, 9, 12, 35,f | Endangered Species , Threatened Species Sensitive Species |

Effective Date: _____

RIVER BASIN: Niobrara

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| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Betsy Creek | 22210 | | | B | | | A | | ● | 3,4, 5,6, 12 | Endangered Species , Threatened Species , Sensitive Species |
| Gordon Creek - Headwaters to Betsy Creek | 22300 | | ● | B | | | A | | ● | 3,4, 5,6, 9,12, f | Endangered Species , Threatened Species , Sensitive Species |
| Arkansas Flats | 22310 | | | B | | | A | | ● | 3,4, 5,6, 12 | Endangered Species , Threatened Species , Sensitive Species |
| Sandy Richards Creek | 22320 | | | B | | | A | | ● | 3,4, 5,6, 8 | Endangered Species , Threatened Species , Sensitive Species |
| Snake River - Merritt Reservoir Dam (Sec 29-31N-30W) to Niobrara River | 22400 | | ● | A | | | A | | ● | 3,4, 5,6, 12, 14, 15, 16, 35, d,e,i | Endangered Species , Threatened Species , Sensitive Species |
| Snake River - Clifford Creek to Merritt Reservoir Dam (Sec 29-31N-30W) | 22500 | | ● | B | | | A | | ● | 3,4, 5,6, 12, 15, 35,n | Endangered Species , Threatened Species , Sensitive Species |
| Boardman Creek | 22510 | | ● | A | | | A | | ● | 3,4, 5,6, 12, 13, 14, 15, 35,d, e,m, n,r | Endangered Species , Threatened Species , Sensitive Species |
| Unnamed Creek (Sec 28-30N-34W) | 22511 | | | | B | | A | | ● | 3,5, 6, 12, 35 | Endangered Species , Threatened Species , Sensitive Species |
| Clifford Creek | 22520 | | ● | B | | | A | | ● | 3,4, 5,6, 35 | Endangered Species , Threatened Species , Sensitive Species |
| Willow Creek | 22521 | | | B | | | A | | ● | 3,4, 5,6 | Endangered Species , Threatened Species , Sensitive Species |
| Snake River - Headwaters to Clifford Creek | 22600 | | | B | | | A | | ● | 3,4, 5,6, 8,35 | Endangered Species , Threatened Species , Sensitive Species |

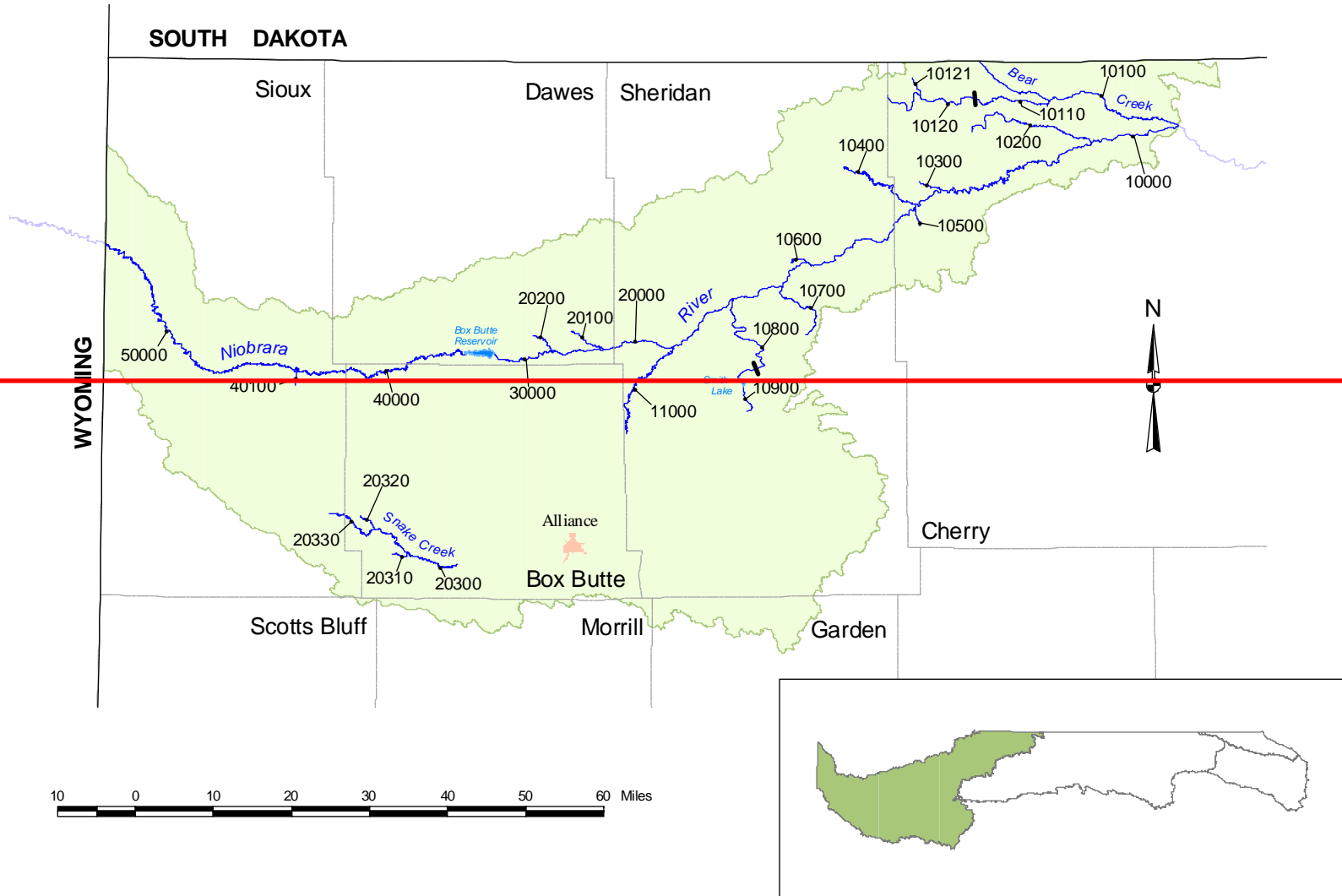
RIVER BASIN: Niobrara

Subbasin: NI3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS |
|--------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|-------------------------|------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL INDUSTRIAL | | | |
| Niobrara River - Bear Creek to Snake River | 30000 | | • | | A | | A | | • | 3.4 , 5.6 , 12 , 35 , i,n Endangered Species , Threatened Species , Sensitive Species |
| Unnamed Creek (Sec 35-33N-31W) | 30100 | | | B | | | A | | • | 3.4 , 5.6 , 12 , 35 Endangered Species , Threatened Species , Sensitive Species |
| McCann Canyon | 30200 | | | B | | | A | | • | 3.4 , 5.6 , 12 , 35 Endangered Species , Threatened Species , Sensitive Species |
| Medicine Creek | 30300 | | | B | | | A | | • | 3.4 , 5.6 , 12 , 35 Endangered Species , Threatened Species , Sensitive Species |

Subbasin NI4

Effective Date:



RIVER BASIN: Niobrara

Subbasin: NI4

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|---------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Niobrara River - Box Butte Creek to Bear Creek | 10000 | | ● | | A | | A | | ● | 3.4 , 5.6 , 35.i | Endangered Species , Threatened Species , Sensitive Species |
| Bear Creek | 10100 | | ● | | A | | A | | ● | 3.4 , 5.6 , 13, 14, 35.f,r | Endangered Species , Threatened Species , Sensitive Species |
| Dry Creek - Sec 13-34N-39W to Bear Creek | 10110 | | ● | B | | | A | | ● | 3.4 , 5.6 , 13, 14, m,n, r,v | Endangered Species , Threatened Species , Sensitive Species |
| Dry Creek (Horseshoe Drainage Ditch) - Headwaters to Sec 13-34N-39W | 10120 | | ● | B | | | A | | ● | 3.5 , 6 | Endangered Species , Threatened Species |
| Unnamed Creek (Sec 11-34N-40W) | 10121 | | | B | | | A | | ● | | |
| Leander Creek | 10200 | | ● | B | | | A | | ● | 3.4 , 5.6 , 10, 35 | Endangered Species , Threatened Species , Sensitive Species |
| Hay Creek | 10300 | | | B | | | A | | ● | 3.4 , 5.6 , 35 | Endangered Species , Threatened Species , Sensitive Species |
| Antelope Creek | 10400 | | | B | | | A | | ● | 3.4 , 5.6 , 8,35 | Endangered Species , Threatened Species , Sensitive Species |
| Pole Creek | 10500 | | | B | | | A | | ● | 3.4 , 5.6 , 35 | Endangered Species , Threatened Species , Sensitive Species |
| Rush Creek | 10600 | | | | B | | A | | ● | 3.4 , 5.6 , 35 | Endangered Species , Threatened Species , Sensitive Species |
| Deer Creek | 10700 | | ● | B | | | A | | ● | 3.4 , 5.6 , 35 | Endangered Species , Threatened Species , Sensitive Species |
| Pine Creek - Sec 11-28N-44W to Niobrara River | 10800 | | ● | B | | | A | | ● | 3.4 , 5.6 , 8, 35.d | Endangered Species , Threatened Species , Sensitive Species |
| Pine Creek - Headwaters to Sec 11-28N-44W | 10900 | | | B | | | A | | ● | 3.4 , 5.6 , 8,n | Endangered Species , Threatened Species , Sensitive Species |
| Box Butte Creek | 11000 | | | | B | | A | | ● | 3.4 , 5.6 , 35 | Endangered Species , Threatened Species , Sensitive Species |

Effective Date: _____

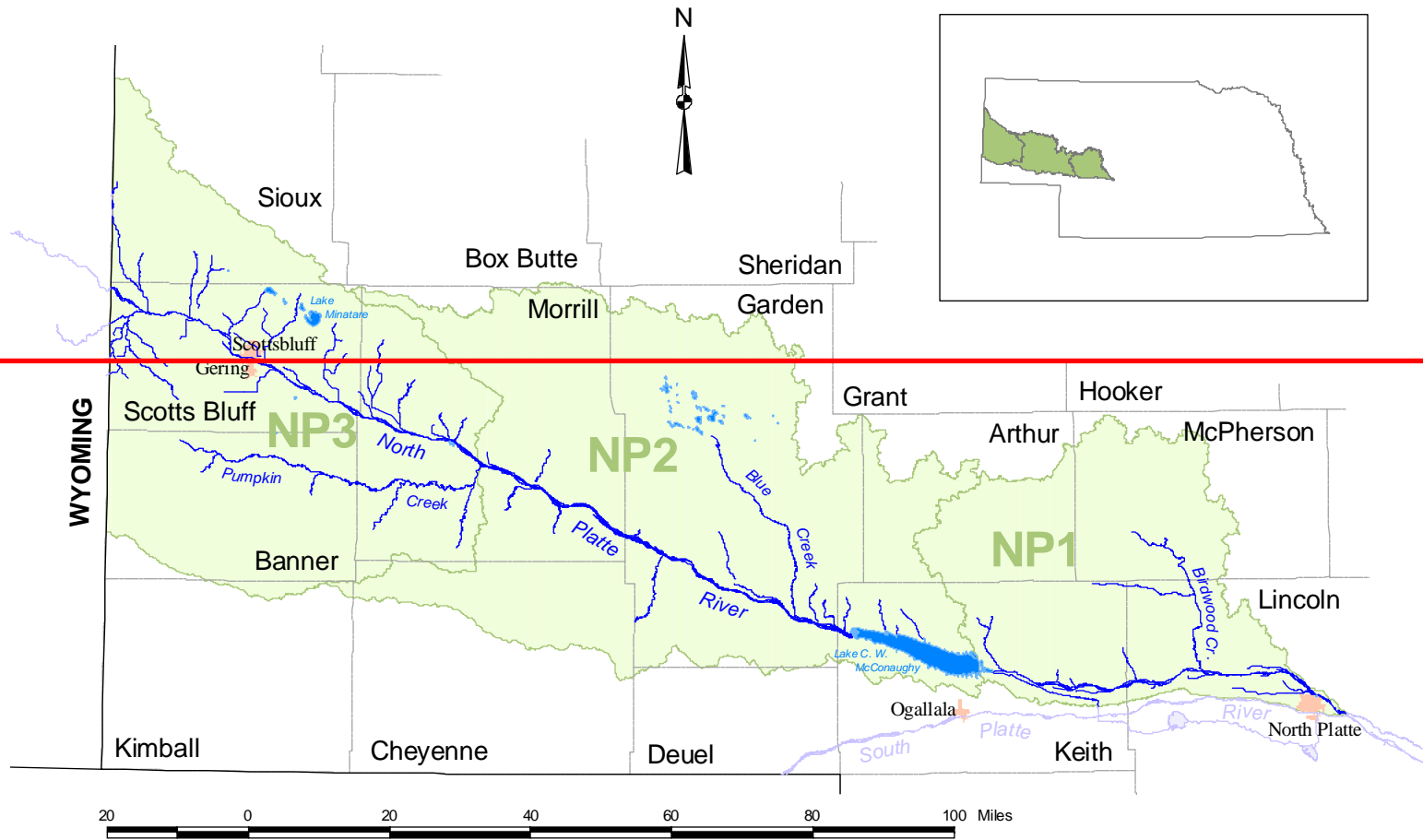
RIVER BASIN: Niobrara

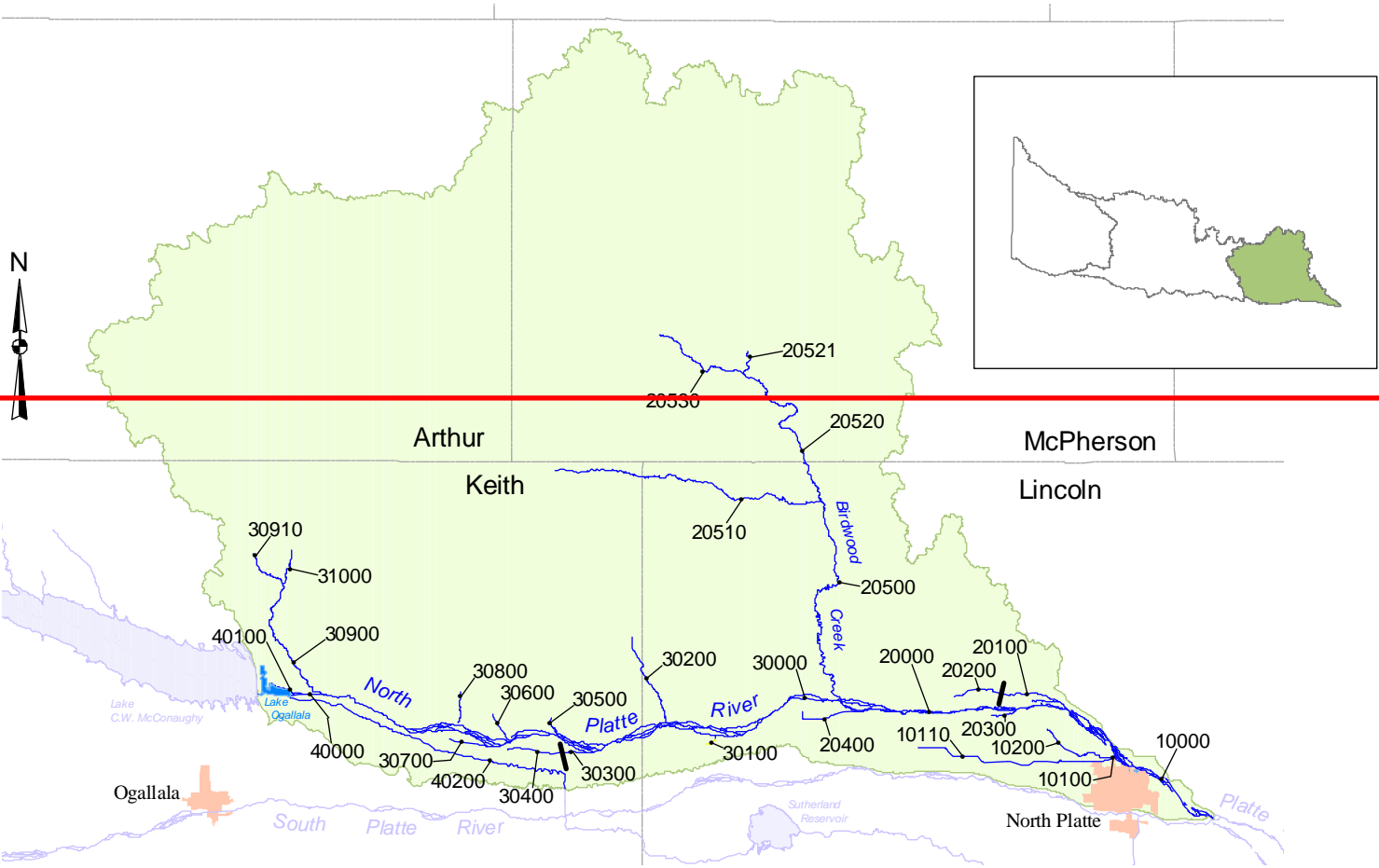
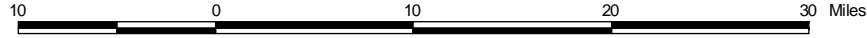
Subbasin: NI4

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|------------------------------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|-------------------|---------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Niobrara River - Mirage Flats Canal Diversion (Sec 26-29N-48W) to Box Butte Creek | 20000 | | ● | B | | | A | | ● | 3.4, 5.6, 35.i | Endangered Species Threatened Species Sensitive Species |
| Pepper Creek | 20100 | | | B | | | A | | ● | 3.4, 5.6, 35 | Endangered Species Threatened Species Sensitive Species |
| Cottonwood Creek | 20200 | | | B | | | A | | ● | 3.4, 5.6, 35 | Endangered Species Threatened Species Sensitive Species |
| Snake Creek - Confluence of North and South Branch Snake Creek to Sec 7-24N-50W | 20300 | | | | B | | A | | ● | | |
| Spring Creek - Sec 3-24N-52W to Snake Creek | 20310 | | | | B | | A | | ● | | |
| North Branch Snake Creek - Sec 8-25N-52W to Snake Creek | 20320 | | | | B | | A | | ● | | |
| South Branch Snake Creek - Sec 10-25N-53W to Snake Creek | 20330 | | | | B | | A | | ● | | |
| Niobrara River - Box Butte Reservoir Dam (Sec 28-29N-49W) to Mirage Flats Canal Diversion (Sec 26-29N-48W) | 30000 | | ● | B | | | A | | ● | 3.4, 5.6, 35, d,e | Endangered Species Threatened Species Sensitive Species |
| Niobrara River - Whistle Creek to Box Butte Reservoir Dam (Sec 28-29N-49W) | 40000 | | ● | B | | | A | | ● | 3.4, 5.6 | Endangered Species Threatened Species Sensitive Species |
| Whistle Creek | 40100 | | | B | | | A | | ● | 3.4, 5.6 | Endangered Species Threatened Species Sensitive Species |
| Niobrara River - Nebraska-Wyoming border (Sec 18-31N-57W) to Whistle Creek | 50000 | | ● | B | | | A | | ● | 3.4, 5.6 | Endangered Species Threatened Species Sensitive Species |

NORTH PLATTE RIVER BASIN (and Subbasins)

Effective Date:





Subbasin NP1

RIVER BASIN: North Platte

Subbasin: NP1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|------------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|----------------------|---------------------------------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| North Platte River - Scout Creek to Platte River | 10000 | | ● | | A | | A | | ● | 3.5, 6, 31, 33, 35.i | Endangered Species Threatened Species Sensitive Species |
| Scout Creek - Ditch No. 2 (Sec 29-14N-30W) to North Platte River | 10100 | | ● | | A | | A | | ● | 3.5, 6, 31, 33, 35 | Endangered Species Threatened Species Sensitive Species |
| Ditch No. 2 (Sec 29-14N-30W) | 10110 | | ● | | A | | A | | ● | 3.5, 6, 31, 33, 35 | Endangered Species Threatened Species Sensitive Species |
| Scout Creek - Headwaters to Ditch No. 2 (Sec 29-14N-30W) | 10200 | | | | B | | A | | ● | 3.5, 6, 31, 33, 35 | Endangered Species Threatened Species Sensitive Species |
| North Platte River - Birdwood Creek to Scout Creek | 20000 | | ● | B | | | A | | ● | 3.5, 6, 31, 33, 35.i | Endangered Species Threatened Species Sensitive Species |
| Unnamed Creek (Sec 11-14N-31W) - Sec 5-14N-31W to North Platte River | 20100 | | | | B | | A | | ● | 3.5, 6, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Unnamed Creek (Sec 11-14N-31W) - Headwaters to Sec 5-14N-31W | 20200 | | | | B | | A | | ● | 3.5, 6, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Unnamed Creek (Sec 9-14N-31W) | 20300 | | | | B | | A | | ● | 3.5, 6, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Ditch No. 3 (Sec 12-14N-33W) | 20400 | | | | B | | A | | ● | 3.5, 6, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Birdwood Creek - Confluence of West and North Fork Birdwood Creeks to North Platte River | 20500 | | ● | B | | | A | | ● | 3.5, 6, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| West Birdwood Creek | 20510 | | ● | B | | | A | | ● | 3 | Threatened Species |
| North Fork Birdwood Creek - Squaw Creek to Birdwood Creek | 20520 | | | | B | | A | | ● | 3 | Threatened Species |
| Squaw Creek | 20521 | | | | B | | A | | ● | 3 | Threatened Species |

Effective Date: _____

RIVER BASIN: North Platte

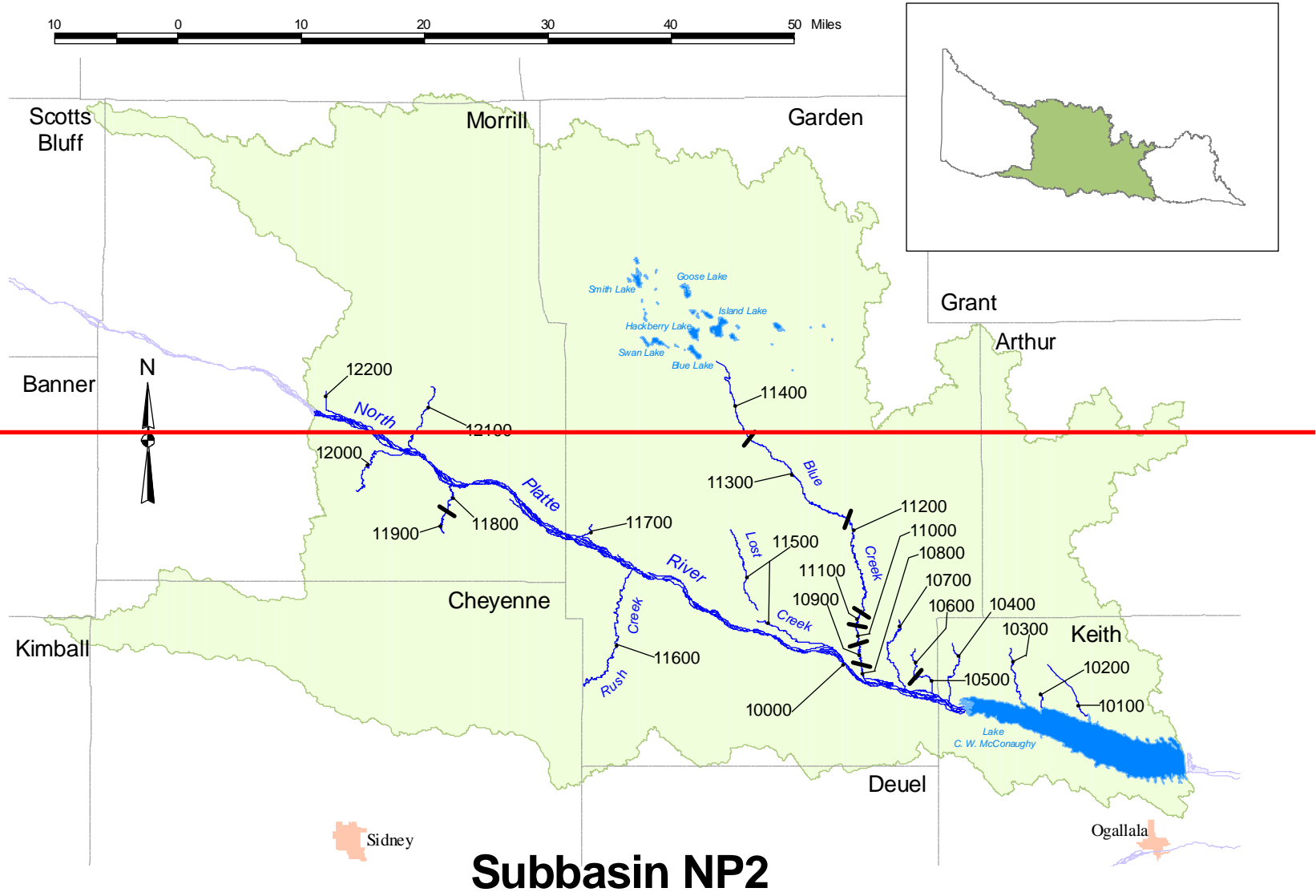
Subbasin: NP1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | KEY SPECIES | COMMENTS |
|-----------------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-----------------------|---------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | INDUSTRIAL | | |
| North Fork Birdwood Creek - Headwaters to Squaw Creek | 20530 | | | B | | | A | | ● | 3 | Threatened Species |
| North Platte River - Whitetail Creek to Birdwood Creek | 30000 | | ● | B | | | A | | ● | 3.5, 6, 31, 35, d,e,i | Endangered Species Threatened Species Sensitive Species |
| Bull Ditch (Sec 15-14N-34W) | 30100 | | | | B | | A | | ● | 3.5, 6, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| East Clear Creek | 30200 | | | | B | | A | | ● | 3.5, 6, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Unnamed Drain (Sec 22-14N-35W) - Sheridan Wilson Canal (Sec 20-14N-35W) to North Platte River | 30300 | | | B | | | A | | ● | 3.5, 6, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Unnamed Drain (Sec 22-14N-35W) - Headwaters to Sheridan Wilson Canal (Sec. 20-14N-35W) | 30400 | | | B | | | A | | ● | 3.5, 6, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Cedar Creek | 30500 | | | B | | | A | | ● | 3.5, 6, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Lake Creek | 30600 | | | B | | | A | | ● | 3.5, 6, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Unnamed Drain (Sec 22-14N-36W) | 30700 | | | B | | | A | | ● | 3.5, 6, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Sand Creek | 30800 | | | B | | | A | | ● | 3.5, 6, 31, 35 | Endangered Species Threatened species Sensitive Species |
| Whitetail Creek - Unnamed Creek (Sec 2-15N-38W) to North Platte River | 30900 | | ● | B | | | A | | ● | 3.5, 6, 31, 35, d | Endangered Species Threatened Species Sensitive Species |
| Unnamed Creek (Sec 2-15N-38W) | 30910 | | | B | | | A | | ● | 3 | Threatened Species |
| Whitetail Creek - Headwaters to Unnamed Creek (Sec 2-15N-38W) | 31000 | | | B | | | A | | ● | 3 | Threatened Species |

RIVER BASIN: North Platte

Subbasin: NP1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | | COMMENTS | |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|---|------------------------|---------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | | |
| North Platte River - Kingsley Dam to Whitetail Creek | 40000 | B | ● | B | | | | A | | | ● | 3.5, 6, 31, 35, d,e,i | Endangered Species Threatened Species Sensitive Species |
| Unnamed Drain (Sec 1-14N-38W) | 40100 | | | B | | | | A | | | ● | 3.5, 6, 31, 35 | Endangered Species Threatened Species Sensitive Species |
| Sutherland Canal - Keystone Diversion Dam to Sec 32-14N-35W (exits North Platte River Basin into South Platte River Basin - see subbasin SP1) | 40200 | | ● | B | | | | A | ● | ● | | 3.5, 6, 31, 35, e,i, w | Endangered Species Threatened Species Sensitive Species |



Subbasin NP2

RIVER BASIN: North Platte

Subbasin: NP2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|--------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|--------------------------------------------------|-----------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| North Platte River - Pumpkin Creek to Kingsley Dam | 10000 | | ● | B* | A | | A | | ● | <u>3</u> , <u>28</u> , <u>31</u> , e*,i | <u>Threatened Species</u> <u>Sensitive Species</u> Salmonid migration |
| Lonergan Creek - Headwaters to Lake C.W. McConaughy | 10100 | | | | B | | A | | ● | <u>31</u> , e | <u>Sensitive Species</u> |
| Sand Creek - Headwaters to Lake C.W. McConaughy | 10200 | | | | B | | A | | ● | <u>31</u> | <u>Sensitive Species</u> |
| Otter Creek - Headwaters to Lake C.W. McConaughy | 10300 | B | ● | | A | | A | | ● | <u>31</u> , d,e | <u>Sensitive Species</u> |
| Clear Creek | 10400 | | | | B | | A | | ● | <u>31</u> , e | <u>Sensitive Species</u> |
| Plum Creek - Sec 26-16N-42W to North Platte River | 10500 | | | | | B | A | | ● | <u>28</u> , <u>31</u> | <u>Sensitive Species</u> |
| Plum Creek - Headwaters to Sec 26-16N-42W | 10600 | | | | | B | A | | ● | <u>28</u> , <u>31</u> | <u>Sensitive Species</u> |
| Ash Creek | 10700 | | | | | B | A | | ● | <u>28</u> , <u>31</u> | <u>Sensitive Species</u> |
| Blue Creek - Graf Canal (Sec 19-16N-42W) to North Platte River | 10800 | | | | | B | A | | ● | <u>28</u> , <u>31</u> ,d | <u>Sensitive Species</u> |
| Blue Creek - Union Canal (Sec 18-16N-42W) to Graf Canal (Sec 19-16N-42W) | 10900 | | ● | | B | | A | | ● | <u>28</u> , <u>31</u> ,d | <u>Sensitive Species</u> |
| Blue Creek - Hooper Canal (Sec 6-16N-42W) to Union Canal (Sec 18-16N-42W) | 11000 | | ● | | B | | A | | ● | d | |
| Blue Creek - Blue Creek Canal (Sec 33-17N-42W) to Hooper Canal (Sec 6-16N-42W) | 11100 | | ● | | B | | A | | ● | d | |
| Blue Creek - Sec 19-18N-42W to Blue Creek Canal (Sec 33-17N-42W) | 11200 | | ● | | B | | A | | ● | 11,d | Sensitive species |
| Blue Creek - Sec 23-19N-44W to Sec 19-18N-42W | 11300 | | ● | | B | | A | | ● | 11,d | Sensitive species |
| Blue Creek - Headwaters to Sec 23-19N-44W | 11400 | | ● | | | A | A | | ● | | |
| Lost Creek | 11500 | | | | | B | A | | ● | <u>28</u> , <u>31</u> | <u>Sensitive Species</u> |
| Rush Creek | 11600 | | | | | B | A | | ● | <u>28</u> , <u>31</u> | <u>Sensitive Species</u> |
| Coldwater Creek | 11700 | | | | | B | A | | ● | <u>28</u> , <u>31</u> | <u>Sensitive Species</u> |
| Cedar Creek - Belmont Canal (Sec 23-18N-47W) to North Platte River | 11800 | | | | | B | A | | ● | <u>28</u> , <u>31</u> , c,d | <u>Sensitive Species</u> |

*Segment classified as Coldwater Class B during periods of salmonid migration (September 1 through May 1).

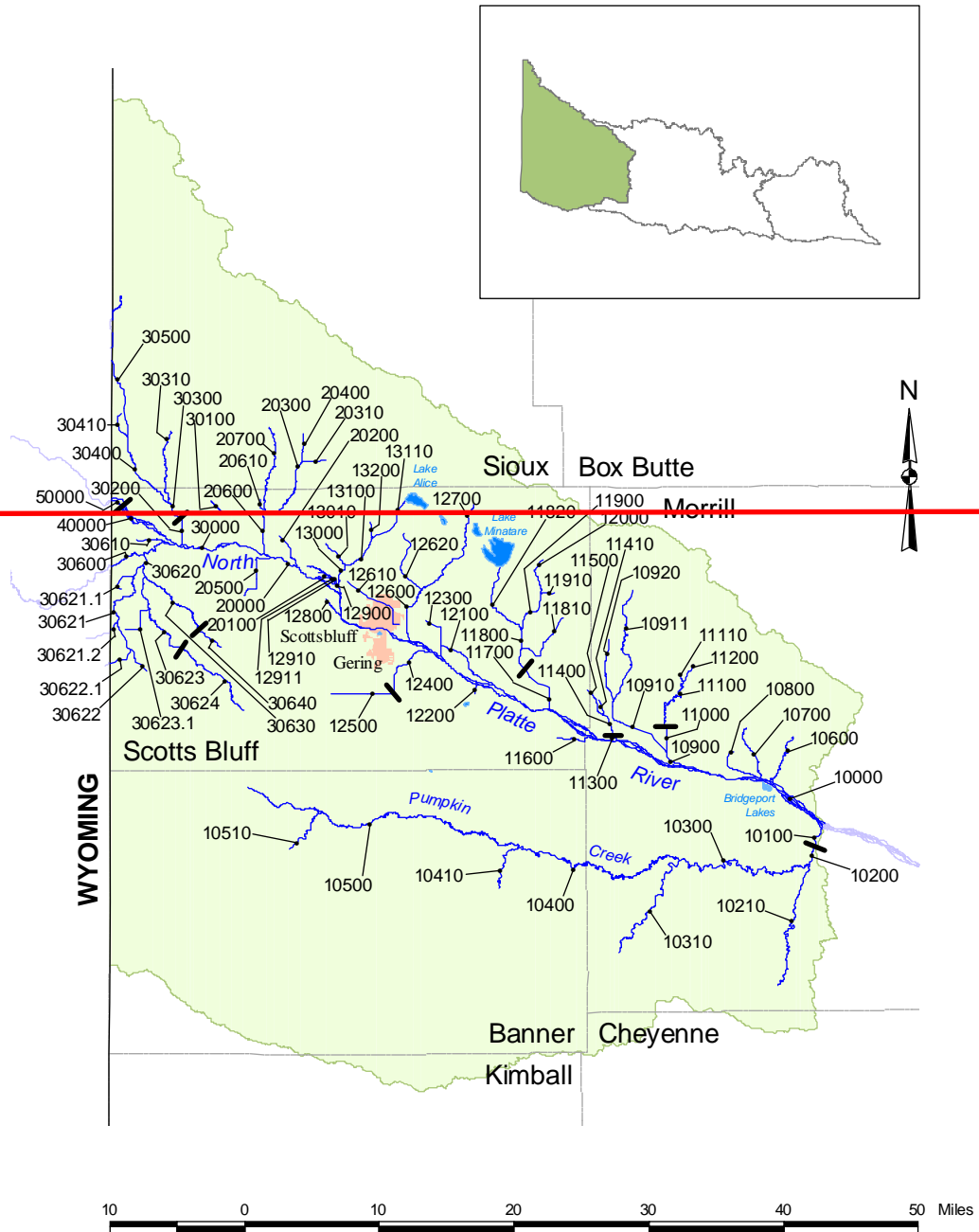
Effective Date: _____

RIVER BASIN: North Platte

Subbasin: NP2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS | |
|---------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|----------------------------|--------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| Cedar Creek - Headwaters to Belmont Canal (Sec 23-18N-47W) | 11900 | | | B | | | | A | | ● | c,d | |
| Deep Holes Creek | 12000 | | | B | | | | A | | ● | <u>28,</u> <u>31</u> | <u>Sensitive Species</u> |
| Lower Dugout Creek | 12100 | | | B | | | | A | | ● | | |
| Silvernail Drain | 12200 | | | B | | | | A | | ● | <u>28,</u> <u>31</u> ,d | <u>Sensitive Species</u> |

Subbasin NP3



Effective Date: _____

RIVER BASIN: North Platte

Subbasin: NP3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS | |
|-------------------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|---------------|-------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| North Platte River - Tub Springs Drain to Pumpkin Creek | 10000 | | ● | B | | | | A | | ● | 28, 31, d,e,i | Sensitive Species |
| Pumpkin Creek - Meredith Ammer Canal (Sec 13-19N-50W) to North Platte River | 10100 | | | B | | | | A | | ● | 28, 31 | Sensitive Species |
| Pumpkin Creek - Courthouse Rock Canal (Sec 30-19N-50W) to Meredith Ammer Canal (Sec 13-19N-50W) | 10200 | | | B | | | | A | | ● | 11, 28, 31 | Sensitive Species |
| Greenwood Creek | 10210 | | | B | | | | A | | ● | d | |
| Pumpkin Creek - Lawrence Fork to Courthouse Rock Canal (Sec 30-19N-50W) | 10300 | | ● | B | | | | A | | ● | | |
| Lawrence Fork | 10310 | | | B | | | | A | | ● | d | |
| Pumpkin Creek - Big Horn Gulch to Lawrence Fork | 10400 | | | B | | | | A | | ● | | |
| Big Horn Gulch | 10410 | | | B | | | | A | | ● | | |
| Pumpkin Creek - Headwaters to Big Horn Gulch | 10500 | | | B | | | | A | | ● | | |
| Willow Creek | 10510 | | | B | | | | A | | ● | | |
| Upper Dugout Creek | 10600 | | | | B | | | A | | ● | 28, 31 | Sensitive Species |
| Indian Creek | 10700 | | | | B | | | A | | ● | 28, 31 | Sensitive Species |
| DeGraw Drain | 10800 | | | | B | | | A | | ● | 28, 31 | Sensitive Species |
| Red Willow Creek - Wildhorse Drain to North Platte River | 10900 | | ● | B | | | | A | | ● | 28, 31, d,e,i | Sensitive Species |
| Wildhorse Drain - Wildhorse Canyon to Red Willow Creek | 10910 | | | B | | | | A | | ● | 28, 31, d,e | Sensitive Species |
| Wildhorse Canyon | 10911 | | | A | | | | A | | ● | d,e | |
| Wildhorse Drain - Headwaters to Wildhorse Canyon | 10920 | | ● | A | | | | A | | ● | d,e | |
| Red Willow Creek - Sec 32-21N-51W to Wildhorse Drain | 11000 | | | A | | | | A | | ● | 28, 31, d,e,i | |
| Red Willow Creek - West Water Creek to Sec 32-21N-51W | 11100 | | | A | | | | A | | ● | d,e,i | |
| West Water Creek | 11110 | | | A | | | | A | | ● | d,e | |

RIVER BASIN: North Platte

Subbasin: NP3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS |
|-------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|-------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL |  |  |  | INDUSTRIAL |
| Red Willow Creek - Headwaters to West Water Creek | 11200 | | | A | | | A | | ● | |
| Bayard Drain - Alliance Canal (Sec 4-20N-52W) to North Platte River | 11300 | | | B | | | A | | ● | 28, 31, d,e Sensitive Species |
| Bayard Drain - Stuckenhole Drain (Sec 28-21N-52W) to Alliance Canal (Sec 4-20N-52W) | 11400 | | ● | B | | | A | | ● | 28, 31, d,e Sensitive Species |
| Stuckenhole Drain (Sec 28-21N-52W) | 11410 | | | B | | | A | | ● | 28, 31,e Sensitive Species |
| Bayard Drain - Headwaters to Stuckenhole Drain (Sec 28-21N-52W) | 11500 | | | B | | | A | | ● | 28, 31, Sensitive Species |
| Cleveland Drain (Sec 6-20N-52W) | 11600 | | | B | | | A | | ● | 28, 31, Sensitive Species |
| Ninemile Creek - Minatare Drain (Sec 10-21N-53W) to North Platte River | 11700 | | ● | B | | | A | | ● | 28, 31, d,e Sensitive Species |
| Ninemile Creek - Alliance Drain to Minatare Drain (Sec 10-21N-53W) | 11800 | | ● | A | | | A | | ● | d,e |
| Moffat Drain | 11810 | | | B | | | A | | ● | d,e |
| Alliance Drain | 11820 | | ● | A | | | A | | ● | e |
| Ninemile Creek - East Ninemile Creek to Alliance Drain | 11900 | | ● | A | | | A | | ● | d,e |
| East Ninemile Creek | 11910 | | | A | | | A | | ● | |
| Ninemile Creek - Headwaters to East Ninemile Creek | 12000 | | ● | A | | | A | | ● | d,e |
| Fairfield Seep (Sec 18-21N-53W) | 12100 | | | | B | | A | | ● | 28, 31 Sensitive Species |
| Melbeta Drain (Sec 13-21N-54W) | 12200 | | | | B | | A | | ● | 28, 31 Sensitive Species |
| Scottsbluff Drain No. 2 (Sec 4-21N-54W) | 12300 | | | | B | | A | | ● | 28, 31 Sensitive Species |
| Gering Drain - Sec 24-21N-55W to North Platte River | 12400 | | ● | | A | | A | | ● | 28, 31 Sensitive Species |
| Gering Drain - Headwaters to Sec 24-21N-55W | 12500 | | | | B | | A | | ● | |
| Winters Creek - Dunham Andrews Drain (Sec 8-22N-54W) to North Platte River | 12600 | | ● | A | | | A | | ● | 28, 31, d,e Sensitive Species |
| Scottsbluff Drain No. 1 (Sec 30-22N-54W) | 12610 | | | | B | | A | | ● | 28, 31 Sensitive Species |

RIVER BASIN: North Platte

Subbasin: NP3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS |
|-----------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|---------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL |  |  |  | INDUSTRIAL |
| Dunham Andrews Drain (Sec 8-22N-54W) | 12620 | | | A | | | A | | ● | |
| Winters Creek - Headwaters to Dunham Andrews Drain (Sec 8-22N-54W) | 12700 | | | A | | | A | | ● | d,e |
| Unnamed Creek (Sec 20-22N-55W) | 12800 | | | B | | | A | | ● | 28, 31 Sensitive Species |
| Tub Springs Drain - Unnamed Creek (Sec 8-22N-55W) to North Platte River | 12900 | | ● | B | | | A | | ● | 28, 31, d,e Sensitive Species |
| Unnamed Creek (Sec 8-22N-55W) | 12910 | | | B | | | A | | ● | 28, 31 Sensitive Species |
| Unnamed Creek (Sec 8-22N-55W) | 12911 | | | B | | | A | | ● | 28, 31 Sensitive Species |
| Tub Springs Drain - Sunflower Drain (Sec 33-23N-55W) to Unnamed Creek (Sec 8-23N-55W) | 13000 | | ● | A | | | A | | ● | 28, 31, d,e Sensitive Species |
| Sunflower Drain (Sec 33-23N-55W) | 13010 | | | B | | | A | | ● | |
| Tub Springs Drain - Hiersche Drain (Sec 23-23N-55W) to Sunflower Drain (Sec 33-23N-55W) | 13100 | | ● | A | | | A | | ● | d,e |
| Hiersche Drain (Sec 23-23N-55W) | 13110 | | ● | A | | | A | | ● | d,e |
| Tub Spring Drain - Headwaters to Hiersche Drain (Sec 23-23N-55W) | 13200 | | | A | | | A | | ● | |
| North Platte River - Dry Spottedtail Creek to Tub Springs Drain | 20000 | | ● | B | | | A | | ● | 28, 31, d,e,i Sensitive Species |
| Unnamed Creek (Sec 8-22N-55W) | 20100 | | | B | | | A | | ● | 28, 31 Sensitive Species |
| Mitchell Drain (Sec 35-23N-56W) | 20200 | | | B | | | A | | ● | 28, 31, d,e Sensitive Species |
| Spottedtail Creek (Sec 10-23N-56W) - Unnamed Creek (Sec 23-24N-56W) to Tri-State Canal | 20300 | | | A | | | A | | ● | 11,d Sensitive species |
| Unnamed Creek (Sec 23-24N-56W) | 20310 | | | B | | | A | | ● | |
| Spottedtail Creek (Sec 10-23N-56W) - Headwaters to Unnamed Creek (Sec 23-24N-56W) | 20400 | | | B | | | A | | ● | |
| Browns Canyon (Sec 33-23N-56W) | 20500 | | | | B | | A | | ● | 28, 31 Sensitive Species |
| Dry Spottedtail Creek - Unnamed Drain (Sec 9-23N-56W) to North Platte River | 20600 | | | B | | | A | | ● | 28, 31, d,e Sensitive Species |

RIVER BASIN: North Platte

Subbasin: NP3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS |
|------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|-------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL |  |  |  | INDUSTRIAL |
| Unnamed Drain (Sec 9-23N-56W) | 20610 | | | B | | | A | | ● | |
| Dry Spottedtail Creek - Headwaters to Unnamed Drain (Sec 9-23N-56W) | 20700 | | | B | | | A | | ● | |
| North Platte River - Horse Creek to Dry Spottedtail Creek | 30000 | | ● | B | | | A | | ● | 16, 28, 31, d,e,i Sensitive Species |
| Unnamed Drain (Sec 12-23N-57W) - Headwaters to Tri-State Canal | 30100 | | | B | | | A | | ● | 11 Sensitive species |
| Sheep Creek - Tri-State Canal (Sec 17-23N-57W) to North Platte River | 30200 | | | B | | | A | | ● | 28, 31, d Sensitive Species |
| Sheep Creek - Dry Sheep Creek to Tri-State Canal (Sec 17-23N-57W) | 30300 | | ● | B | | | A | | ● | 28, 31, d Sensitive Species |
| Dry Sheep Creek | 30310 | | ● | B | | | A | | ● | 11,d Sensitive species |
| Sheep Creek - Unnamed Creek (Sec 15-24N-58W) to Dry Sheep Creek | 30400 | | ● | B | | | A | | ● | d |
| Unnamed Creek (Sec 15-24N-58W) | 30410 | | | B | | | A | | ● | |
| Sheep Creek - Headwaters to Unnamed Creek (Sec 15-24N-58W) | 30500 | | | A | | | A | | ● | 11,e Sensitive species |
| Horse Creek - Nebraska-Wyoming border (Sec 33-23N-58W) to North Platte River | 30600 | | ● | B | | | A | | ● | 28, 31 Sensitive Species |
| Unnamed Drain (Sec 30-23N-57W) | 30610 | | | | B | | A | | ● | 28, 31 Sensitive Species |
| Owl Creek - Kiowa Creek to Horse Creek | 30620 | | | | A | | A | | ● | |
| Dry Creek Drain - Dry Creek Drain-Branch B (Sec 22-22N-58W) to Owl Creek | 30621 | | | | B | | A | | ● | |
| Dry Creek Drain-Branch A (Sec 2-22N-58W) | 30621.1 | | | | B | | A | | ● | |
| Dry Creek Drain-Branch B (Sec 22-22N-58W) | 30621.2 | | | | B | | A | | ● | |
| Dry Creek Drain - Headwaters to Dry Creek Drain-Branch B (Sec 22-22N-58W) | 30622 | | | | B | | A | | ● | |
| Unnamed Drain (Sec 34-22N-58W) | 30622.1 | | | | B | | A | | ● | |
| Kiowa Creek - Fort Laramie Canal (Sec 32-22N-57W) to Owl Creek | 30623 | | | B | | | A | | ● | |
| Kiowa Creek Drain-Branch B (Sec 24-22N-58W) | 30623.1 | | | | B | | A | | ● | |

Effective Date: _____

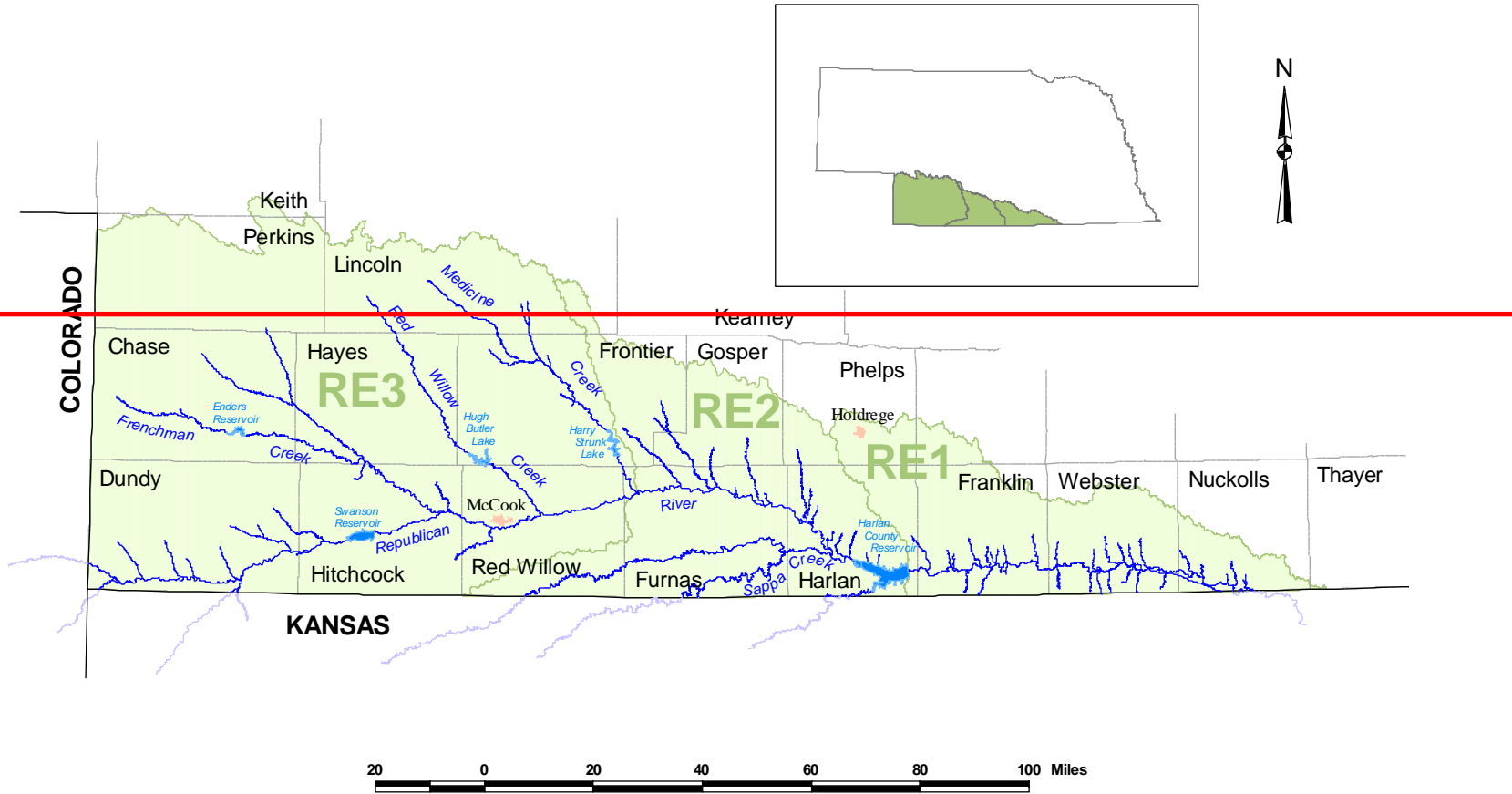
RIVER BASIN: North Platte

Subbasin: NP3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS |
|--------------------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------------|-------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | |
| Kiowa Creek - Headwaters to Fort Laramie Canal (Sec 32-22N-57W) | 30624 | | | | B | | A | | ● | | |
| Owl Creek - Fort Laramie Canal (Sec 27-22N-57W) to Kiowa Creek | 30630 | | | B | | | A | | ● | | |
| Owl Creek - Headwaters to Fort Laramie Canal (Sec 27-22N-57W) | 30640 | | | | B | | A | | ● | | |
| North Platte River - Tri-State Canal (Sec 10-23N-58W) to Horse Creek | 40000 | | ● | B | | | A | | ● | 16, 28, 31, d.e.i | Sensitive Species |
| North Platte River - Nebraska Wyoming border (Sec 4-23N-58W) to Tri-State Canal (Sec 10-23N-58W) | 50000 | | ● | B | | | A | | ● | 16, 28, 31, d.e.i | Sensitive Species |

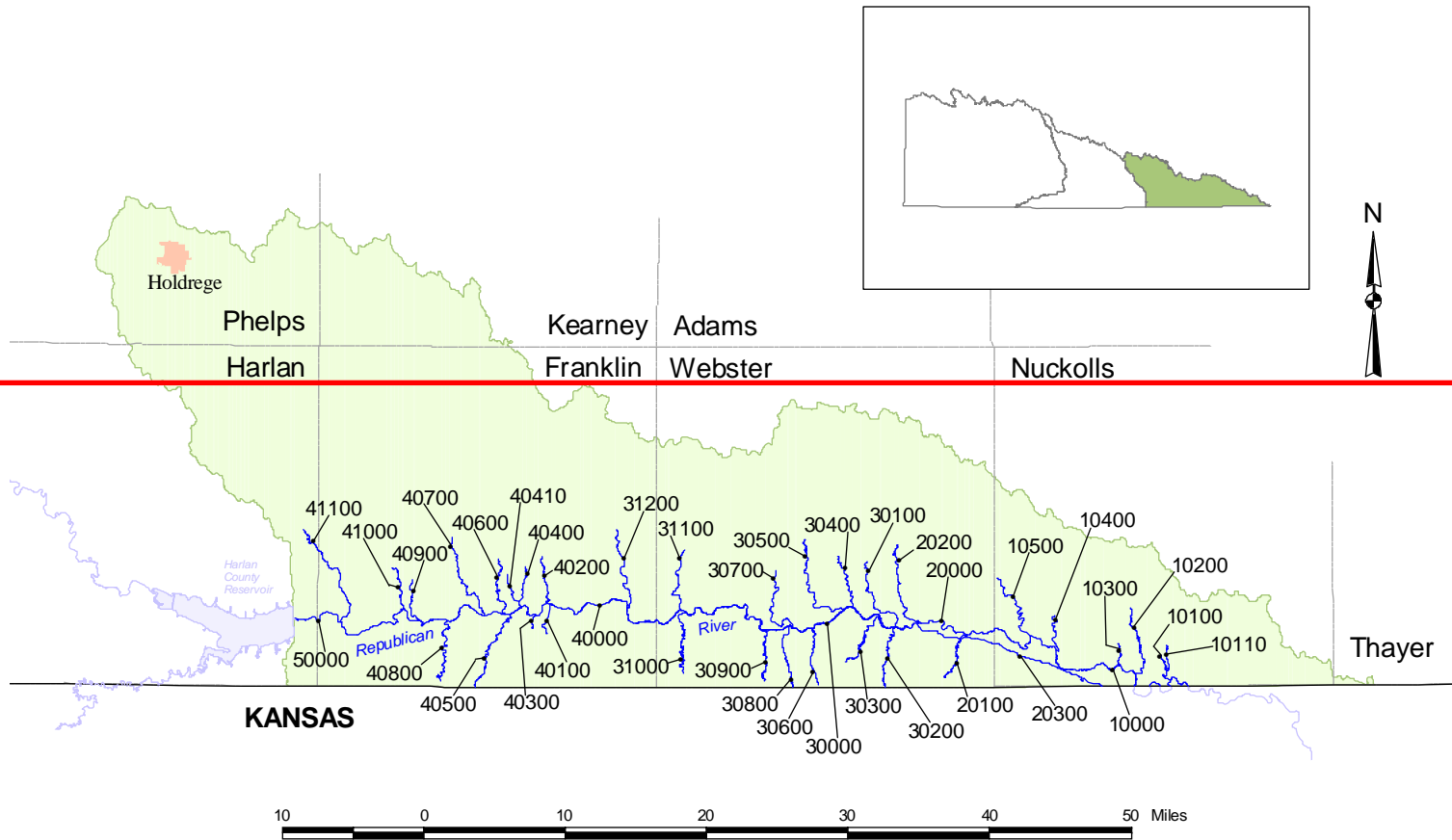
REPUBLICAN RIVER BASIN (and Subbasins)

Effective Date:



Subbasin RE1

Effective Date:



RIVER BASIN: Republican

Subbasin: RE1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS | | |
|-----------------------------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------------|-----------------------|--------------|-----------------|------------|-------------|-----------------|----------------------|-------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | | |
| Republican River - Beaver Creek to Nebraska-Kansas border (Sec 32-1N-6W) | 10000 | | ● | | A [±] | | | A | | | ● | 15, 31, 35, i,j,w | Sensitive Species |
| Blakely Creek | 10100 | | | | B | | | A | | | ● | 31, 35 | Sensitive Species |
| Oak Creek | 10110 | | | | B | | | A | | | ● | 31, 35 | Sensitive Species |
| Lost Creek | 10200 | | ● | | B | | | A | | | ● | 31, 35 | Sensitive Species |
| Unnamed Creek (Sec 28-1N-7W) | 10300 | | | | B | | | A | | | ● | 31, 35 | Sensitive Species |
| Cottonwood Creek | 10400 | | | | A | | | A | | | ● | 11, 31, 35 | Sensitive Species |
| Beaver Creek | 10500 | | | | B | | | A | | | ● | 31, 35 | Sensitive Species |
| Republican River - Superior-Courtland Diversion Dam (Sec 7-1N-9W) to Beaver Creek | 20000 | | ● | | A [±] | | | A | | | ● | 15, 31, 35, i, j,l,w | Sensitive Species |
| Rankin Creek | 20100 | | | | B | | | A | | | ● | 31, 35 | Sensitive Species |
| Willow Creek | 20200 | | | | B | | | A | | | ● | 31, 35 | Sensitive Species |
| Courtland Canal - Superior-Courtland Diversion Dam (Sec 7-1N-9W) to Nebraska-Kansas border (Sec 32-1N-7W) | 20300 | | ● | | A ^{**} | | | A ^{**} | | | ● ^{**} | 15, 31, 35, i, j,l,w | Sensitive Species |
| Republican River - Thompson Creek to Superior-Courtland Diversion Dam (Sec 7-1N-9W) | 30000 | | ● | | A [±] | | | A | | | ● | 15, 31, 35, i, j,l,w | Sensitive Species |
| Elm Creek | 30100 | | | | B | | | A | | | ● | 11, 31, 35, e | Sensitive Species |
| Lost Creek - Nebraska-Kansas border (Sec 35-1N-10W) to Republican River | 30200 | | | | B | | | A | | | ● | 31, 35 | Sensitive Species |
| Hicks Creek | 30300 | | | | B | | | A | | | ● | 31, 35 | Sensitive Species |
| Dry Creek | 30400 | | | | B | | | A | | | ● | 31, 35 | Sensitive Species |

*Site-specific water quality criteria for ammonia are assigned (see Chapter 4, 003.02B).

**Seasonal designation - applies only when water is diverted into canal.

Effective Date: _____

RIVER BASIN: Republican

Subbasin: RE1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS | |
|-------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|----------------|-----------------------|--------------|------------|------------|-------------|-----------------------|-----------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| Crooked Creek | 30500 | | | B | | | | A | | ● | 11, 31, 35 | Sensitive Species |
| Cedar Creek | 30600 | | | | B | | | A | | ● | 31, 35 | Sensitive Species |
| Indian Creek | 30700 | | | | A | | | A | | ● | 11, 31, 35 | Sensitive Species |
| East Penny Creek - Nebraska-Kansas border (Sec 34-1N-11W) to Republican River | 30800 | | | | B | | | A | | ● | 31, 35 | Sensitive Species |
| Louisa Creek | 30900 | | | | B | | | A | | ● | 31, 35 | Sensitive Species |
| Walnut Creek | 31000 | | | | A | | | A | | ● | 11, 31, 35 | Sensitive Species |
| Farmers Creek | 31100 | | | | B | | | A | | ● | 31, 35 | Sensitive Species |
| Thompson Creek | 31200 | | ● | B | | | | A | | ● | 11, 31, 35,j | Sensitive Species |
| Republican River - Turkey Creek to Thompson Creek | 40000 | | ● | | A [±] | | | A | | ● | 31, 35,i, j,i,w | Sensitive Species |
| Wortham Creek | 40100 | | | | B | | | A | | ● | 31, 35 | Sensitive Species |
| Lovely Creek | 40200 | | | | B | | | A | | ● | 31, 35 | Sensitive Species |
| Reams Creek | 40300 | | | | B | | | A | | ● | 31, 35 | Sensitive Species |
| Coates Creek | 40400 | | | | B | | | A | | ● | 31, 35 | Sensitive Species |
| Wasp Creek | 40410 | | | | B | | | A | | ● | 31, 35 | Sensitive Species |
| Calumet Creek | 40500 | | | | A | | | A | | ● | 11, 31, 35 | Sensitive Species |
| Walnut Run | 40600 | | | | B | | | A | | ● | 31, 35 | Sensitive Species |
| Center Creek | 40700 | | | | B | | | A | | ● | 31, 35 | Sensitive Species |

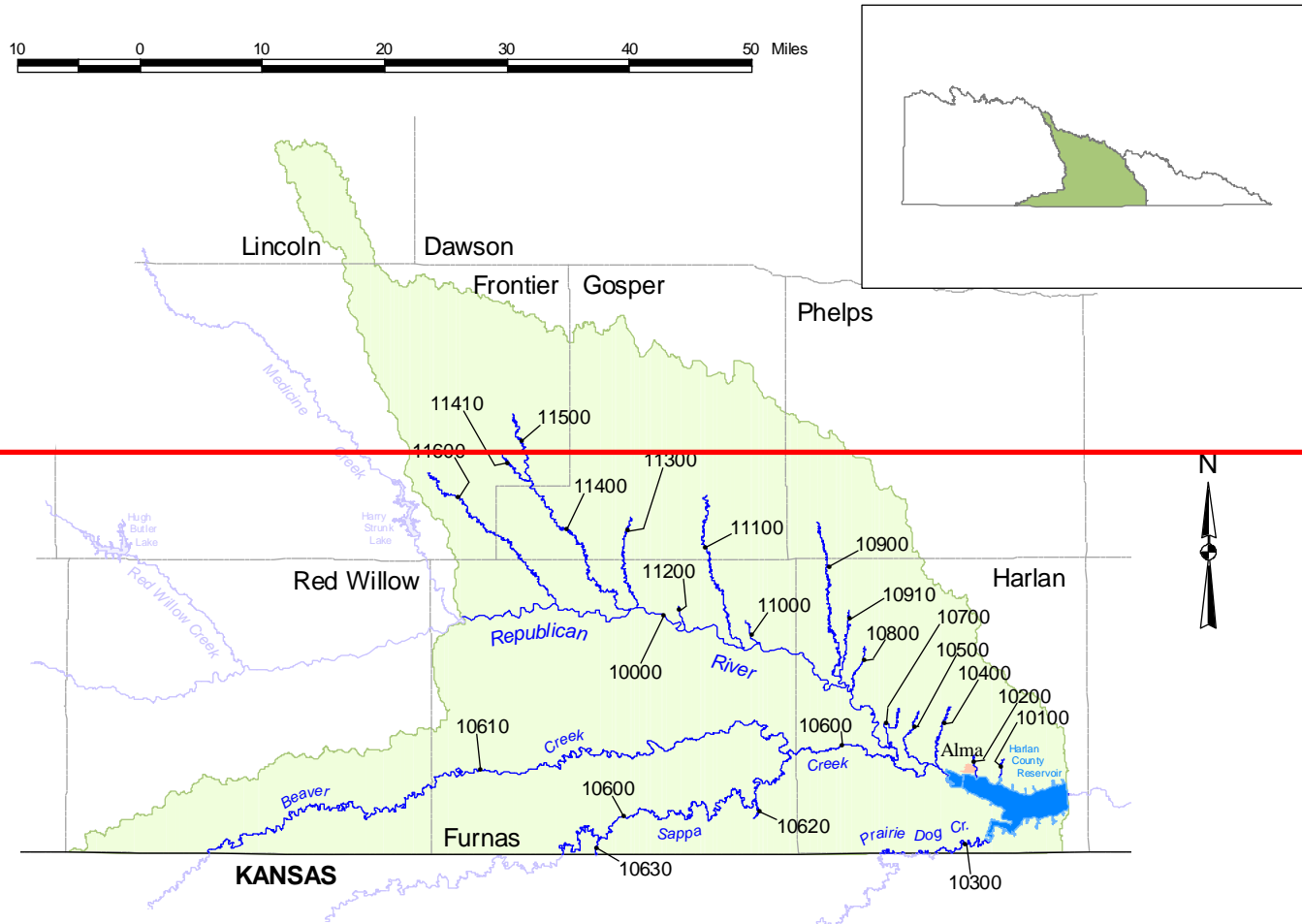
*Site-specific water quality criteria for ammonia are assigned (see Chapter 4, 003.02B).

RIVER BASIN: Republican

Subbasin: RE1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS |
|------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|--------------------|-------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | INDUSTRIAL | |
| Lost Creek | 40800 | | | | B | | A | | ● | 31, 35 | Sensitive Species |
| Little Cottonwood Creek | 40900 | | | B | | | A | | ● | 31, 35 | Sensitive Species |
| Cottonwood Creek | 41000 | | | B | | | A | | ● | 11, 31, 35 | Sensitive Species |
| Turkey Creek | 41100 | | | B | | | A | | ● | 31, 35 | Sensitive Species |
| Republican River - Harlan County Dam to Turkey Creek | 50000 | | ● | | A* | | A | | ● | 31, 35, i, j, l, w | Sensitive Species |

*Site-specific water quality criteria for ammonia are assigned (see Chapter 4, 003.02B).



Subbasin RE2

RIVER BASIN: Republican

Subbasin: RE2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|----------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|-----------------|-------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Republican River - Medicine Creek to Harlan County Dam | 10000 | | ● | | A* | | A | | ● | 31, 35, i, j, l | Sensitive Species |
| Methodist Creek | 10100 | | ● | | B | | A | | ● | 31, 35 | Sensitive Species |
| Cook Creek | 10200 | | ● | | B | | A | | ● | 31, 35 | Sensitive Species |
| Prairie Dog Creek - Nebraska-Kansas border (Sec 31-1N-19W) to Harlan County Lake | 10300 | | ● | | B | | A | | ● | 31, 35 | Sensitive Species |
| Rope Creek | 10400 | | | | B | | A | | ● | 31, 35 | Sensitive Species |
| Flag Creek | 10500 | | | | B | | A | | ● | 31, 35 | Sensitive Species |
| Sappa Creek - Nebraska-Kansas border (Sec 35-1N-24W) to Republican River | 10600 | | | | B | | A | | ● | 31, 35 | Sensitive Species |
| Beaver Creek - Nebraska-Kansas border (Sec 36-1N-29W) to Sappa Creek | 10610 | | ● | | B | | A | | ● | | |
| Sheep Creek | 10620 | | | | B | | A | | ● | | |
| Dutch Creek - Nebraska-Kansas border (Sec 32-1N-23W) to Sappa Creek | 10630 | | | | B | | A | | ● | | |
| Milrose Creek | 10700 | | | | B | | A | | ● | 31, 35 | Sensitive Species |
| Foster Creek | 10800 | | | | B | | A | | ● | 31, 35 | Sensitive Species |
| Spring Creek | 10900 | | | | B | | A | | ● | 31, 35 | Sensitive Species |
| Deep Creek | 10910 | | | | B | | A | | ● | 31, 35 | Sensitive Species |
| Swartz Creek | 11000 | | | | B | | A | | ● | 31, 35 | Sensitive Species |
| Turkey Creek | 11100 | | | | B | | A | | ● | 31, 35 | Sensitive Species |
| Dry Creek | 11200 | | | | B | | A | | ● | 31, 35 | Sensitive Species |
| Elk Creek | 11300 | | | | A | | A | | ● | 31, 35, i | Sensitive Species |
| Muddy Creek - West Muddy Creek to Republican River | 11400 | | | | A | | A | | ● | 31, 35, i | Sensitive Species |
| West Muddy Creek | 11410 | | | | A | | A | | ● | i | |

*Site-specific water quality criteria for ammonia are assigned (see Chapter 4, 003.02B).

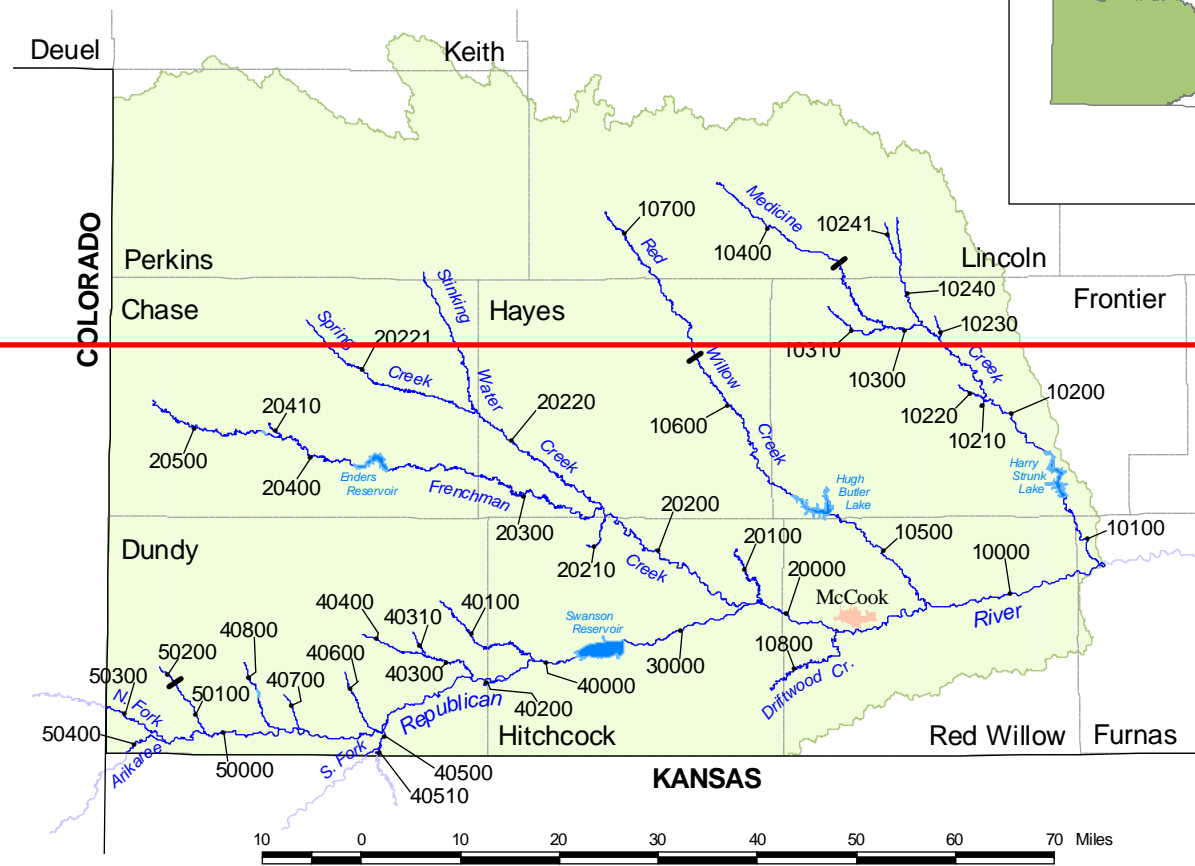
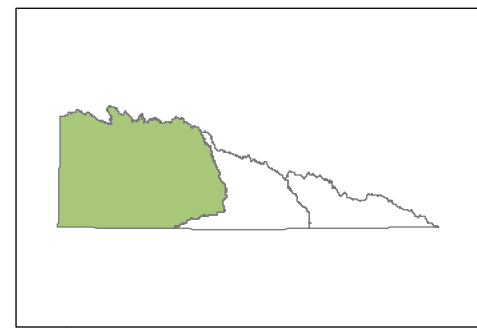
Effective Date: _____

RIVER BASIN: Republican

Subbasin: RE2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS |
|----------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|-------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | |
| Muddy Creek - Headwaters to West Muddy Creek | 11500 | | | | B | | A | | • | | |
| Deer Creek Canyon | 11600 | | | | B | | A | | • | 31, 35 | Sensitive Species |
| Medicine Creek (see subbasin RE3) | | | | | | | | | | | |

Subbasin RE3



Effective Date: _____



RIVER BASIN: Republican

Subbasin: RE3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS | |
|-----------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|-----------------|-------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| Republican River - Driftwood Creek to Medicine Creek | 10000 | | ● | | A* | | | A | | ● | 31, 35, i, j, l | Sensitive Species |
| Medicine Creek - Medicine Creek Dam to Republican River | 10100 | | ● | | B | | | A | | ● | 31, 35 | Sensitive Species |
| Medicine Creek - Fox Creek to Medicine Creek Dam | 10200 | | ● | | A | | | A | | ● | i, l | |
| Cedar Creek | 10210 | | | | B | | | A | | ● | | |
| Spring Creek | 10220 | | | | B | | | A | | ● | | |
| Curtis Creek Canyon | 10230 | | | | B | | | A | | ● | | |
| Fox Creek | 10240 | | | | A | | | A | | ● | 11 | Sensitive Species |
| Cut Canyon | 10241 | | | | B | | | A | | ● | | |
| Medicine Creek - Hay Canyon to Fox Creek | 10300 | | ● | | A | | | A | | ● | 11, i | Sensitive Species |
| Brushy Creek | 10310 | | | | B | | | A | | ● | | |
| Medicine Creek - Headwaters to Hay Canyon | 10400 | | ● | | A | | | A | | ● | 11 | Sensitive Species |
| Red Willow Creek - Red Willow Dam to Republican River | 10500 | | ● | | B | | | A | | ● | 31, 35 | Sensitive Species |
| Red Willow Creek - Hayes Center WMA (Sec 11-7N-32W) to Red Willow Dam | 10600 | | ● | | A | | | A | | ● | i | |
| Red Willow Creek - Headwaters to Hayes Center WMA (Sec 11-7N-32W) | 10700 | | | | B | | | A | | ● | | |
| Driftwood Creek | 10800 | | | | B | | | A | | ● | 31, 35 | Sensitive Species |
| Republican River - Frenchman Creek to Driftwood Creek | 20000 | | ● | | A* | | | A | | ● | 31, 35, i | Sensitive Species |
| Blackwood Creek | 20100 | | | | B | | | A | | ● | 31, 35 | Sensitive Species |
| Frenchman Creek - Stinking Water Creek to Republican River | 20200 | | ● | B | | | | A | | ● | 11, 31, 35 | Sensitive Species |
| Bobtail Creek | 20210 | | | | B | | | A | | ● | | |
| Stinking Water Creek | 20220 | | ● | B | | | | A | | ● | i | |
| Spring Creek | 20221 | | | | B | | | A | | ● | | |
| Frenchman Creek - Enders Dam to Stinking Water Creek | 20300 | | ● | B | | | | A | | ● | 11 | Sensitive Species |

*Site-specific water quality criteria for ammonia are assigned (see Chapter 4, 003.02B).

RIVER BASIN: Republican

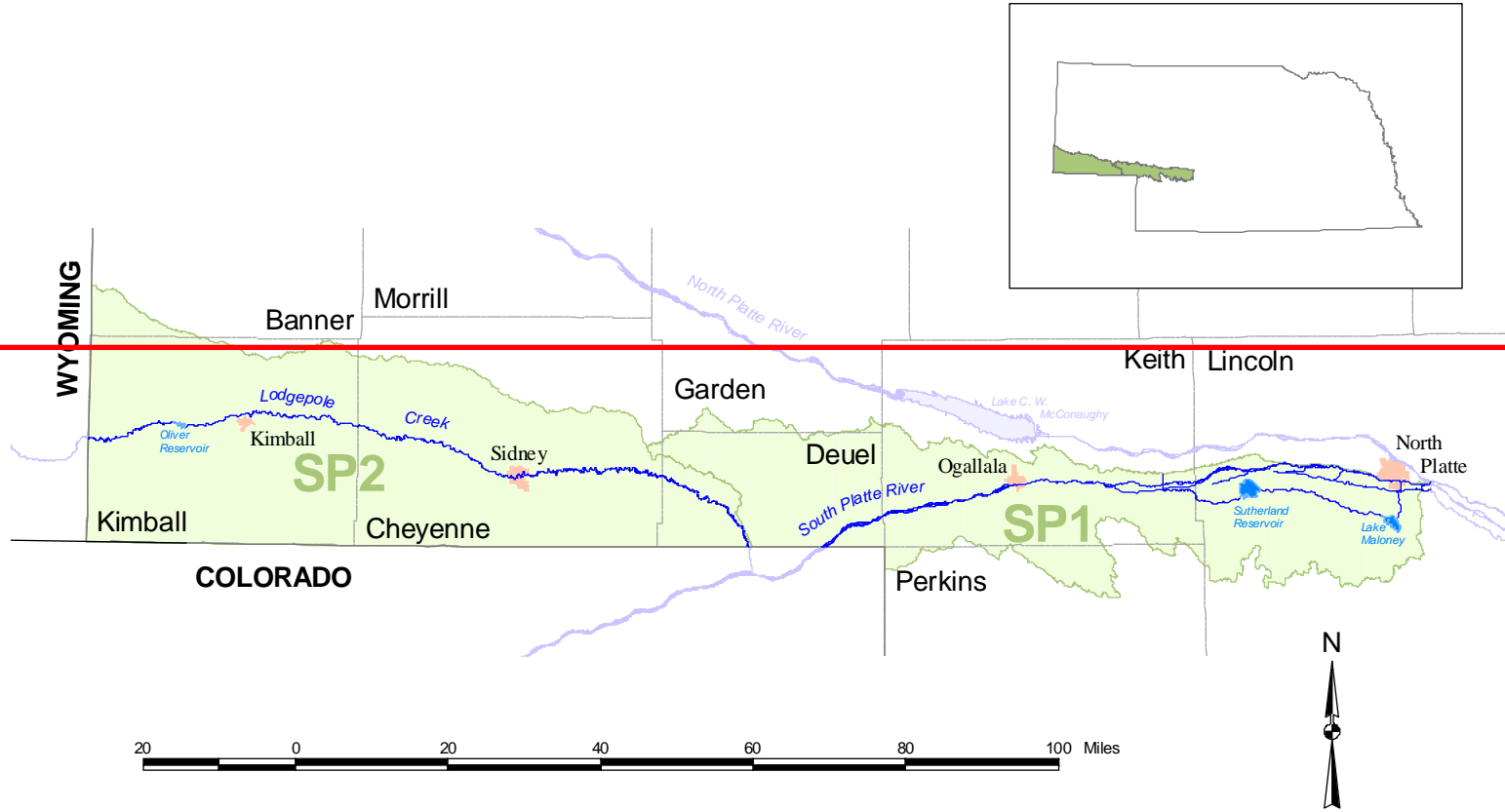
Subbasin: RE3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS | |
|-----------------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|------------------|-----------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| Frenchman Creek - Sand Draw to Enders Dam | 20400 | | ● | B | | | | A | | ● | 11, e i | Sensitive Species |
| Sand Draw | 20410 | | | B | | | | A | | ● | | |
| Frenchman Creek - Headwaters to Sand Draw | 20500 | | ● | B | | | | A | | ● | 11,e | Sensitive Species |
| Republican River - Trenton Dam to Frenchman Creek | 30000 | | ● | | B | | | A | | ● | 31, 35 | Sensitive Species |
| Republican River - Rock Creek to Trenton Dam | 40000 | | ● | | A | | | A | | ● | 31, 35,i | Sensitive Species |
| Muddy Creek | 40100 | | | | B | | | A | | ● | 31, 35 | Sensitive Species |
| Burntwood Creek | 40200 | | | | B | | | A | | ● | 31, 35 | Sensitive Species |
| Indian Creek - Rock Canyon to Republican River | 40300 | | | B | | | | A | | ● | 31, 35 | Sensitive Species |
| Rock Canyon | 40310 | | | | B | | | A | | ● | | |
| Indian Creek - Headwaters to Rock Canyon | 40400 | | | B | | | | A | | ● | | |
| South Fork Republican River - Nebraska-Kansas border (Sec 36-1N-38W) to Republican River | 40500 | | ● | | B | | | A | | ● | 31, 35 | Sensitive Species |
| Big Timber Creek Nebraska-Kansas border (Sec 31-2N-37W) to South Fork Republican River | 40510 | | | | B | | | A | | ● | 31, 35 | Sensitive Species |
| Spring Creek | 40600 | | | | B | | | A | | ● | 31, 35 | Sensitive Species |
| Horse Creek | 40700 | | | | B | | | A | | ● | 31, 35 | Sensitive Species |
| Rock Creek | 40800 | | ● | B | | | | A | | ● | 11, 31, 35 | Sensitive Species |
| Republican River - Confluence of North Fork Republican River and Arikaree River to Rock Creek | 50000 | | ● | | A | | | A | | ● | 31, 35,i | Sensitive Species |
| Buffalo Creek - Sec 26-2N-41W to Republican River | 50100 | | | | A | | | A | | ● | 31, 35 | Sensitive Species |
| Buffalo Creek - Headwaters to Sec 26-2N-41W | 50200 | | | B | | | | A | | ● | | |
| North Fork Republican River - Nebraska-Colorado border (Sec 10-1N-42W) to Republican River | 50300 | | ● | | B | | | A | | ● | 31, 35 | Sensitive Species |
| Arikaree River - Nebraska-Kansas border (Sec 36-1N-42W) to Republican River | 50400 | | ● | | B | | | A | | ● | 31, 35 | Sensitive Species |

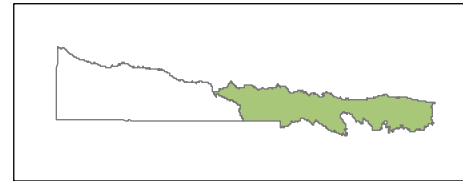
Effective Date: _____

SOUTH PLATTE RIVER BASIN (and Subbasins)

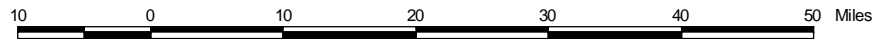
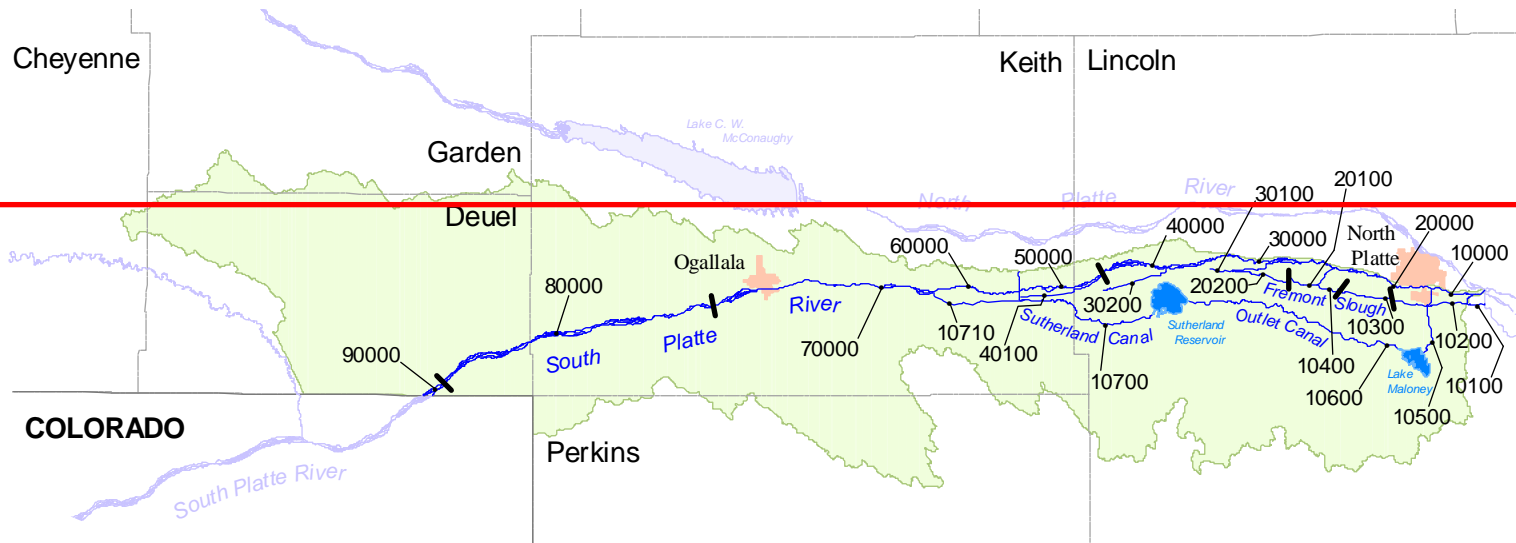
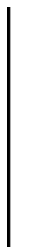
Effective Date:



Subbasin SP1



Effective Date:



RIVER BASIN: South Platte

Subbasin: SP1

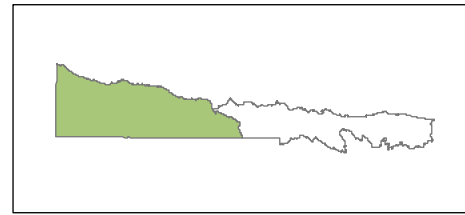
| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|----------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|---------------------------|---------------------------------------------------------------------------------------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| South Platte River - Outlet Canal (Sec 9-13N-30W) to Platte River | 10000 | | ● | | A | | A | | ● | 3.5, 6, 31, 33, 35.i, o,w | Endangered Species Threatened Species Sensitive Species |
| Fremont Slough - Sec 13-13N-30W to Sec 18-13N-29W | 10100 | | ● | B | | | A | | ● | 3.5, 6, 31, 33, 35 | Endangered Species Threatened Species Sensitive Species |
| Fremont Slough (Sec 7-13N-29W) - Sec 13-13N-31W to South Platte River | 10200 | | ● | B | | | A | | ● | 3.5, 6, 8, 31, 33, 35 | Endangered Species Threatened Species Sensitive Species |
| Fremont Slough (Sec 7-13N-29W) - Sec 9-13N-31W to Sec 13-13N-31W | 10300 | | | B | | | A | | ● | 31 | Sensitive Species |
| Fremont Slough (Sec 7-13N-29W) - Headwaters to Sec 9-13N-31W | 10400 | | | B | | | A | | ● | 31 | Sensitive Species |
| Outlet Canal (Sec 9-13N-30W) - Lake Maloney to South Platte River | 10500 | | ● | | A | | A | ● | ● | 31.i, o,w | Sensitive Species |
| Outlet Canal - Sutherland Reservoir to Lake Maloney | 10600 | | ● | | A | | A | ● | ● | i,o, w | |
| Sutherland Canal - Sec 32-14N-35W to Sutherland Reservoir (enters South Platte River Basin from North Platte River Basin - see subbasin NP1) | 10700 | | ● | B | | | A | ● | ● | 31, e,i, w | Sensitive Species |
| South Platte River Supply Canal - Korty Diversion Dam to Sutherland Canal | 10710 | | | | A | | A | ● | ● | 31 | Sensitive Species |
| South Platte River - Fremont Slough (Sec 32-14N-31W) to Outlet Canal (Sec 10-13N-30W) | 20000 | | ● | | A | | A | | ● | 31.i | Sensitive Species |
| Fremont Slough (Sec 32-14N-31W) - Sec 2-13N-32W to South Platte River | 20100 | | ● | B | | | A | | ● | 31 | Sensitive Species |
| Fremont Slough (Sec 32-14N-31W) - Headwaters to Sec 2-13N-32W | 20200 | | | B | | | A | | ● | 31 | Sensitive Species |
| South Platte River - Unnamed Creek (Sec 31-14N-33W) to Fremont Slough (Sec 32-14N-31W) | 30000 | | ● | | A | | A | | ● | 31.i | Sensitive Species |
| Fremont Slough (Sec 27-14N-32W) | 30100 | | | B | | | A | | ● | 31 | Sensitive Species |
| Unnamed Creek (Sec 31-14N-33W) | 30200 | | ● | B | | | A | | ● | 31 | Sensitive Species |
| South Platte River - Unnamed Creek (Sec 33-14N-34W) to Unnamed Creek (Sec 31-14N-33W) | 40000 | | ● | | A | | A | | ● | 31.i | Sensitive Species |
| Unnamed Creek (Sec 33-14N-34W) | 40100 | | | B | | | A | | ● | 31 | Sensitive Species |

RIVER BASIN: South Platte

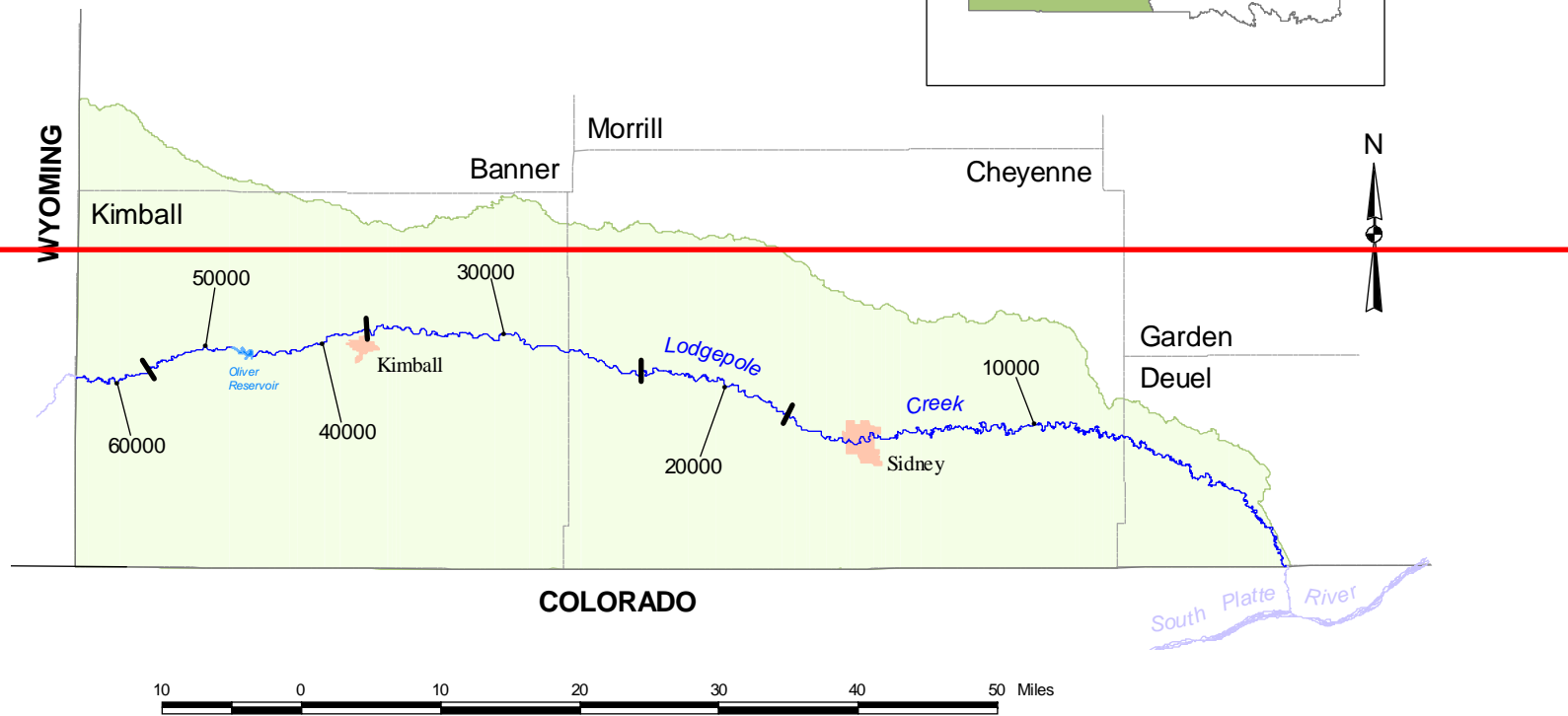
Subbasin: SP1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS |
|--------------------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|-----------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | |
| South Platte River - Sutherland Canal to Unnamed Creek (Sec 33-14N-34W) | 50000 | | ● | | A | | A | | ● | 31.i | Sensitive Species |
| South Platte River - Korty Diversion Dam to Sutherland Canal | 60000 | | ● | B | | | A | | ● | 31 | Sensitive Species |
| South Platte River - Western Canal (Sec 16-13N-39W) to Korty Diversion Dam | 70000 | | ● | | A | | A | | ● | 31 | Sensitive Species |
| South Platte River - Western Canal (Sec 14-12N-43W) to Western Canal (Sec 16-13N-39W) | 80000 | | ● | | A | | A | | ● | 31 | Sensitive Species |
| South Platte River - Nebraska-Colorado border (Sec 22-12N-43W) to Western Canal (Sec 14-12N-43W) | 90000 | | ● | | A | | A | | ● | 31 | Sensitive Species |

Subbasin SP2



Effective Date: _____



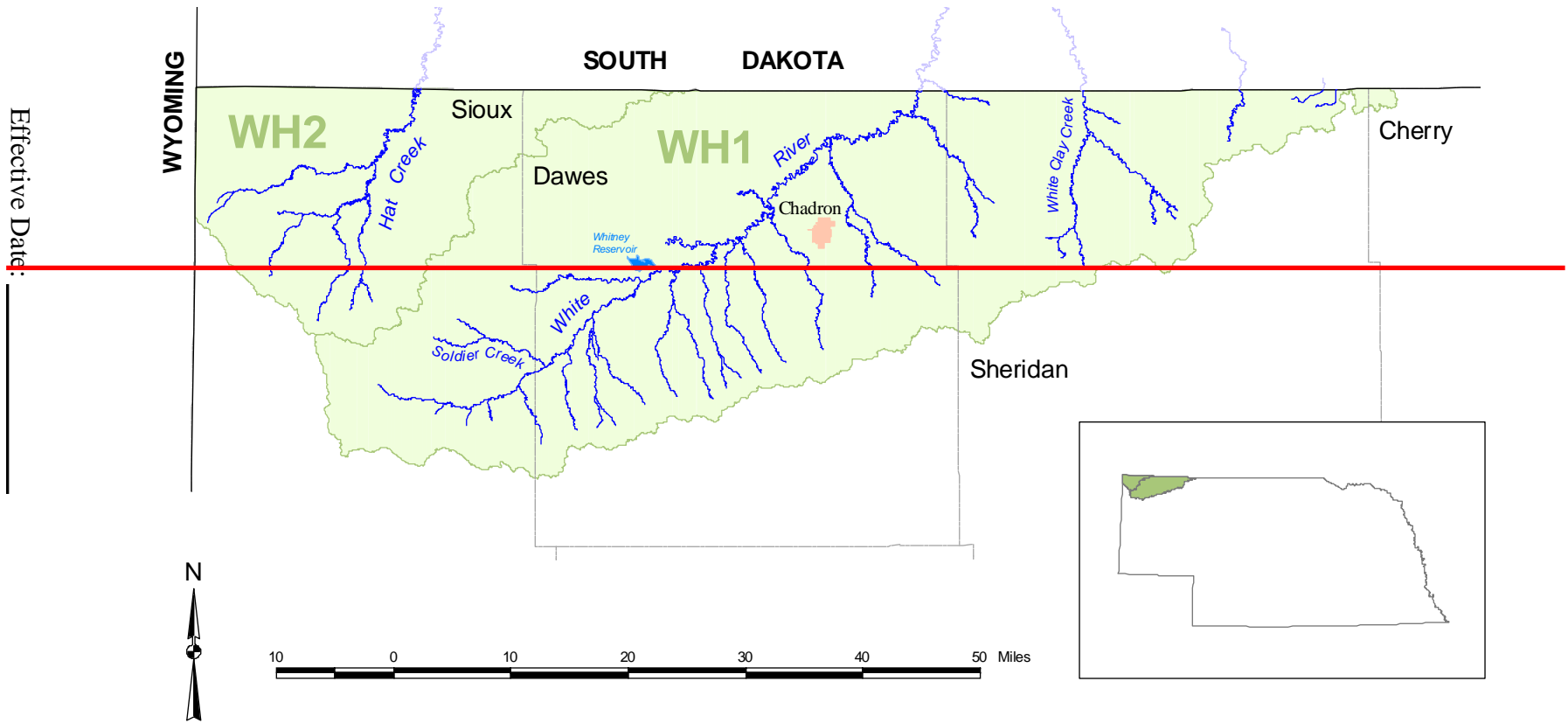
RIVER BASIN: South Platte

Subbasin: SP2

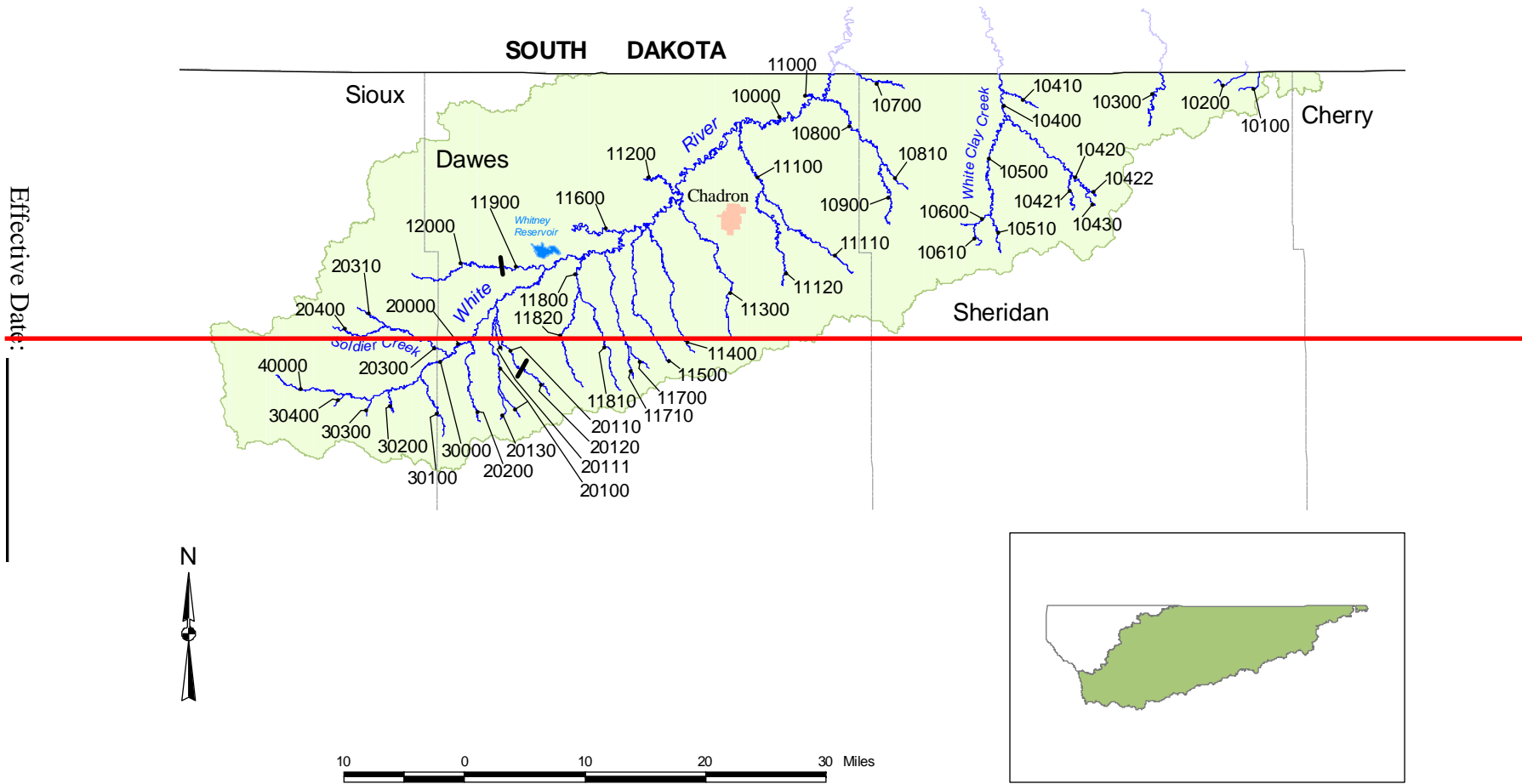
| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS |
|---------------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|-------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | |
| Lodgepole Creek - Sec 20-14N-50W to Nebraska-Colorado border(Sec 19-12N-44W) | 10000 | | | | B | | A | | ● | | |
| Lodgepole Creek - Sec 3-14N-52W to Sec 20-14N-50W | 20000 | | | B | | | A | | ● | 11,d | Sensitive Species |
| Lodgepole Creek - Sec 29-15N-55W to Sec 3-14N-52W | 30000 | | | | B | | A | | ● | | |
| Lodgepole Creek - Oliver Reservoir Dam to Sec 29-15N-55W | 40000 | | | B | | | A | | ● | 11,d | Sensitive Species |
| Lodgepole Creek - Unnamed Creek (Sec 3-14N-58W) to Oliver Reservoir Dam | 50000 | | | A | | | A | | ● | 11,d | Sensitive Species |
| Lodgepole Creek - Nebraska-Wyoming border (Sec 11-14N-59W) to Unnamed Creek (Sec 3-14N-58W) | 60000 | | | | B | | A | | ● | | |

Effective Date: _____

WHITE RIVER - HAT CREEK BASIN (and Subbasins)



Subbasin WH1



RIVER BASIN: White River-Hat Creek

Subbasin: WH1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS |
|--------------------------------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|------------------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL |  |  |  | INDUSTRIAL |
| White River - Whitney Pipe Line (Aqueduct) (Sec 26-32N-52W) to Nebraska-South Dakota border (Sec 22-35N-47W) | 10000 | | | | A | ● | A | | ● | 28,i Sensitive Species |
| Unnamed Creek - Headwaters to Nebraska-South Dakota border (Sec 22-35N-41W) | 10100 | | | | B | | A | | ● | |
| Unnamed Creek - Headwaters to Nebraska-South Dakota border (Sec 21-35N-41W) | 10200 | | | | B | | A | | ● | |
| Wounded Knee Creek - Headwaters to Nebraska-South Dakota border (Sec 19-35N-42W) | 10300 | | | | B | | A | | ● | |
| White Clay Creek - Larabee Creek to Nebraska-South Dakota border (Sec 24-35N-45W) | 10400 | | | B | | | A | | ● | d |
| Patton Creek | 10410 | | | | B | | A | | ● | |
| Larabee Creek - Unnamed Creek (Sec 6-33N-43W) to White Clay Creek | 10420 | | | B | | | A | | ● | d |
| Unnamed Creek (Sec 36-34N-44W) | 10421 | | | B | | | A | | ● | |
| Unnamed Creek (Sec 6-33N-43W) | 10422 | | | B | | | A | | ● | |
| Larabee Creek - Headwaters to Unnamed Creek (Sec 6-33N-43W) | 10430 | | | B | | | A | | ● | d |
| White Clay Creek - Unnamed Creek (Sec 14-33N-45W) to Larabee Creek | 10500 | | | B | | | A | | ● | d |
| Unnamed Creek (Sec 14-33N-45W) | 10510 | | | B | | | A | | ● | |
| White Clay Creek - Headwaters to Unnamed Creek (Sec 14-33N-45W) | 10600 | | | B | | | A | | ● | |
| Unnamed Creek (Sec 22-33N-45W) | 10610 | | | B | | | A | | ● | |
| Limekiln Creek - Headwaters to Nebraska-South Dakota border (Sec 24-35N-47W) | 10700 | | | B | | | A | | ● | |
| Beaver Creek - Little Beaver Creek to White River | 10800 | | | B | | | A | | ● | 28, c,d Sensitive Species |
| Little Beaver Creek | 10810 | | | B | | | A | | ● | |
| Beaver Creek - Headwaters to Little Beaver Creek | 10900 | | | A | | | A | | ● | c,d |
| Alkali Creek | 11000 | | | | B | | A | | ● | 28 Sensitive Species |
| Bordeaux Creek - Confluence of Little and Big Bordeaux Creeks to White River | 11100 | | | B | | | A | | ● | 28, c,d, e Sensitive Species |
| Little Bordeaux Creek | 11110 | | ● | B | | | A | | ● | d,e |

RIVER BASIN: White River-Hat Creek

Subbasin: WH1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | COMMENTS | |
|--------------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------|----------|-------------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | | INDUSTRIAL |
| Big Bordeaux Creek | 11120 | | | B | | | A | | ● | c,d,e | |
| Lone Tree Creek | 11200 | | | | B | | A | | ● | 28 | Sensitive Species |
| Chadron Creek | 11300 | | ● | A | | ● | A | | ● | 28,d,e | Sensitive Species |
| Dead Horse Creek | 11400 | | ● | A | | | A | | ● | 28,c | Sensitive Species |
| Trunk Butte Creek | 11500 | | ● | B | | | A | | ● | 28 | Sensitive Species |
| Big Cottonwood Creek | 11600 | | ● | | B | | A | | ● | 28 | Sensitive Species |
| Indian Creek | 11700 | | ● | B | | | A | | ● | 28 | Sensitive Species |
| Cunningham Creek | 11710 | A | ● | B | | | A | | ● | | |
| Ash Creek - Confluence of East and West Ash Creeks to White River | 11800 | | | B | | | A | | ● | 28 | Sensitive Species |
| East Ash Creek | 11810 | | ● | B | | | A | | ● | | |
| West Ash Creek | 11820 | | ● | B | | | A | | ● | d | |
| Little Cottonwood Creek - Sand Creek (Sec 12-32N-52W) to White River | 11900 | | | | B | | A | | ● | | |
| Little Cottonwood Creek - Headwaters to Sand Creek (Sec 12-32N-52W) | 12000 | | ● | B | | | A | | ● | | |
| White River - Soldier Creek to Whitney Pipe Line (Aqueduct) (Sec 26-32N-52W) | 20000 | | ● | B | | ● | A | | ● | d,e | |
| White Clay Creek | 20100 | | ● | B | | | A | | ● | c | |
| Squaw Creek - Nebraska National Forest boundary (Sec 20-31N-51W) to White Clay Creek | 20110 | | | B | | | A | | ● | | |
| English Creek | 20111 | | | B | | | A | | ● | | |
| Squaw Creek - Headwaters to Nebraska National Forest boundary (Sec 20-31N-51W) | 20120 | A | ● | B | | | A | | ● | c | |
| Unnamed Creek (Sec 36-31N-52W) | 20130 | | ● | B | | | A | | ● | | |
| Bozle Creek (Sec 9-31N-52W) | 20200 | | | B | | | A | | ● | | |
| Soldier Creek - Middle Fork Soldier Creek to White River | 20300 | A | | A | | ● | A | | ● | d,e | |
| Middle Fork Soldier Creek | 20310 | A | | A | | | A | | ● | d,e | |
| Soldier Creek - Headwaters to Middle Fork Soldier Creek | 20400 | A | | A | | | A | | ● | d,e | |
| White River - Kyle Creek (Sec 35-31N-54W) to Soldier Creek | 30000 | B | ● | A | | ● | A | | ● | d,e | |

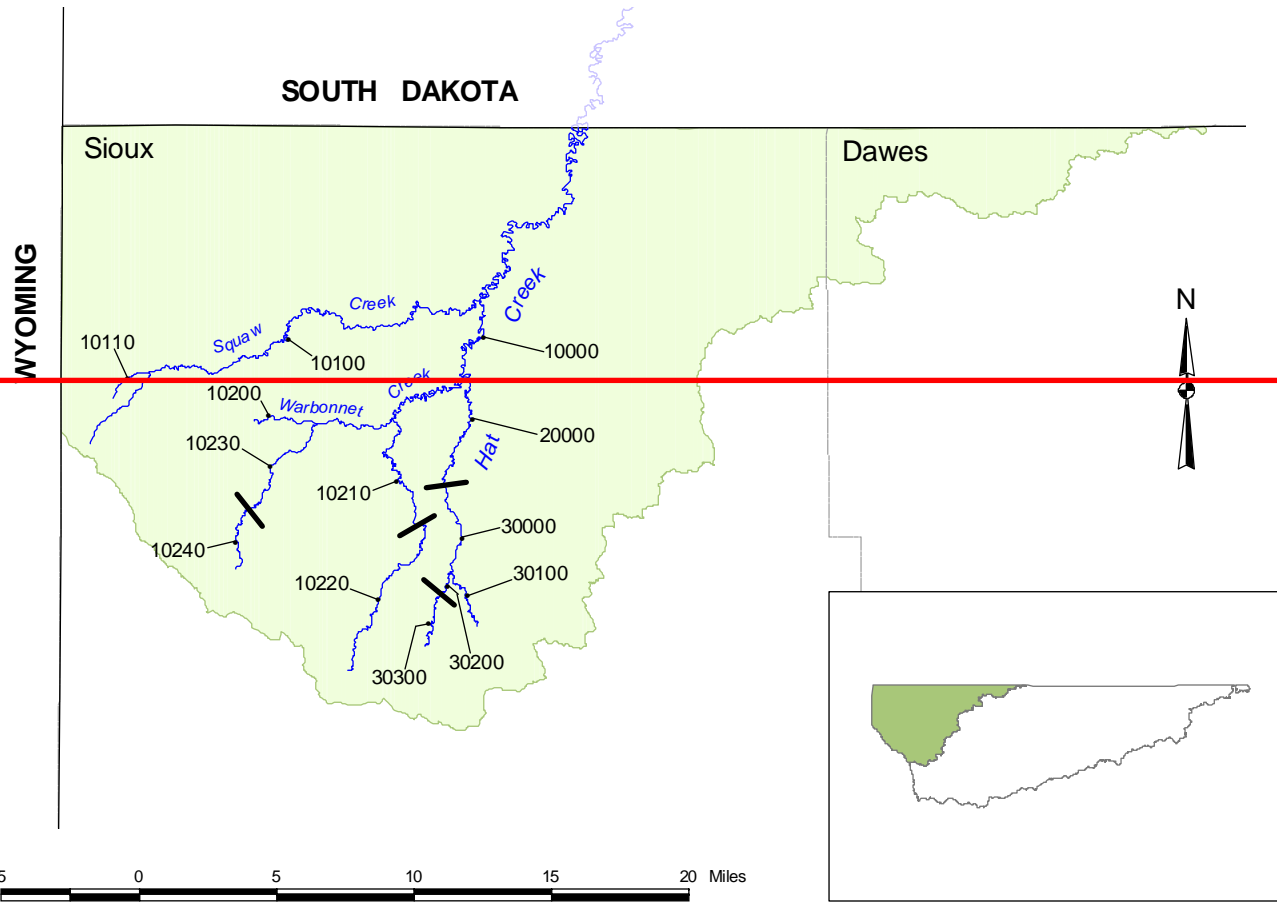
Effective Date: _____

RIVER BASIN: White River-Hat Creek

Subbasin: WH1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS | |
|---------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|----------|--|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | | |
| Dead Man's Creek | 30100 | | ● | B | | | ● | A | | ● | c | |
| Deep Creek (Sec 33-31N-53W) | 30200 | | | B | | | | A | | ● | e | |
| Bull Creek (Sec 6-30N-53W) | 30300 | | | B | | | | A | | ● | | |
| Kyle Creek (Sec 35-31N-54W) | 30400 | | | B | | | | A | | ● | | |
| White River - Headwaters to Kyle Creek (Sec 35-31N-54W) | 40000 | B | | A | | | ● | A | | ● | d,e | |

Subbasin WH2



Effective Date: _____

RIVER BASIN: Whit River-Hat Creek

Subbasin: WH2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS |
|------------------------------------------------------------------------------|----------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|------------|-------------|----------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS | KEY SPECIES | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | | |
| Hat Creek - Warbonnet Creek to Nebraska-South Dakota border (Sec 22-35N-54W) | 10000 | | ● | | B | | A | | ● | | |
| Squaw Creek | 10100 | | ● | | B | | A | | ● | | |
| West Squaw Creek (Sec 22-34N-57W) | 10110 | | | | B | | A | | ● | | |
| Warbonnet Creek | 10200 | | | | B | | A | | ● | | |
| Sowbelly Creek - Spring Creek (Sec 34-33N-55W) to Warbonnet Creek | 10210 | | | | A | | A | | ● | c,d,e | |
| Sowbelly Creek - Headwaters to Spring Creek (Sec 34-33N-55W) | 10220 | | | | A | | A | | ● | c,d,e | |
| Monroe Creek - Sec 33-33N-56W to Warbonnet Creek | 10230 | | | | A | | A | | ● | c,d | |
| Monroe Creek - Headwaters to Sec 33-33N-56W | 10240 | | | | A | | A | | ● | c,d | |
| Hat Creek - Sec 26-33N-55W to Warbonnet Creek | 20000 | | | | B | | A | | ● | d | |
| Hat Creek - Confluence of East and West Hat Creeks to Sec 26-33N-55W | 30000 | | | | B | | A | | ● | d | |
| East Hat Creek | 30100 | | | | A | | A | | ● | d | |
| West Hat Creek - Sec 16-32N-55W to Hat Creek | 30200 | | | | A | | A | | ● | c,d | |
| West Hat Creek - Headwaters to Sec 16-32N-55W) | 30300 | | | | A | | A | | ● | c,d | |

Title 117

Chapter 5

| Enabling Legislation: Neb. Rev. Stat. ~~§~~81-1505(1)(2)

Legal Citation: Title 117, Ch. 5, Nebraska Department of Environmental Quality

Effective Date: _____

NEBRASKA ADMINISTRATIVE CODE

Title 117 - NEBRASKA DEPARTMENT OF ENVIRONMENTAL QUALITY

Chapter 6 - LAKES AND IMPOUNDED WATERS

001 Lakes and impounded waters are classified by river basins. These waters ~~shall beare~~ protected for the beneficial uses as assigned in paragraph 005.

002 Application of Standards to Lakes and Impoundments.

In lakes and impoundments, or portions thereof, which exhibit natural thermal stratification, all applicable narrative and numerical criteria, with the exception of the numerical criteria for temperature, apply only to the epilimnion. Numerical temperature criteria apply at all depths (epilimnion, metalimnion, and hypolimnion) of lakes and impoundments exhibiting natural thermal stratification. In lakes and impoundments, or portions thereof, not exhibiting natural thermal stratification, the applicable narrative and numerical criteria apply at all depths.

003 Management Procedures:

Areas listed in this Chapter may or may not be managed for swimming. The Department of Environmental Quality advises checking with the management agency or abiding by the Rules and Regulations posted in the area before using the water for recreational activities.

004 No point source discharge of wastewater from domestic, municipal, ~~or~~ industrial, or livestock sources ~~shall will~~ be allowed directly into lakes or impounded waters except:

004.01 Wastewater from sources authorized by NPDES permits to discharge to these waters prior to May 10, 1982 which have operated under active NPDES permits since then.

004.02 Noncontact cooling waters from sources authorized by NPDES permits to discharge to these waters.

004.03 Stormwater from sources authorized by NPDES permits to discharge to these waters.

Title 117

Chapter 6

| 005 The following lakes and impounded waters ~~shall beare~~ protected for the beneficial uses as noted in the tables below (SRA refers to State Recreation Area, WMA refers to Wildlife Management Area, SWA refers to State Wayside Area, NWR refers to National Wildlife Refuge).

RIVER BASIN: Big Blue

Subbasin: BB1 and BB2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|----------------------------------------------------------------|-------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|----|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | AESTHETICS | |
| SUBBASIN BB1 | | | | | | | | | | |
| Donald Whitney Memorial Lake (WMA) (Sec 16-1N-5E, Gage County) | BB1-L0010 | | ● | | A | | A | | ● | E |
| Diamond Lake South (WMA) (Sec 21-1N-5E, Gage County) | BB1-L0020 | | ● | | A | | A | | ● | E |
| Big Indian Lake (11A) (Sec 12-1N-6E, Gage County) | BB1-L0030 | | ● | | A | | A | | ● | E |
| Arrowhead Lake (WMA) (Sec 28-2N-5E, Gage County) | BB1-L0040 | | ● | | A | | A | | ● | E |
| Wolf Wildcat Lake (Sec 11-2N-8E, Gage County) | BB1-L0050 | | ● | | A | | A | | ● | E |
| Rockford Lake (SRA) (Sec 13-3N-7E, Gage County) | BB1-L0060 | | ● | | A | | A | | ● | E |
| Bear Creek Lake (Sec 18-4N-7E, Gage County) | BB1-L0065 | | ● | | A | | A | | ● | E |
| Leisure Lake (Sec 4-3N-4E, Jefferson County) | BB1-L0070 | | ● | | A | | A | | ● | E |
| Cub Creek Lake (Sec 11-3N-3E, Jefferson County) | BB1-L0080 | | ● | | A | | A | | ● | E |
| Clatonia Lake (3A) (Sec 16-6N-5E, Gage County) | BB1-L0090 | | ● | | A | | A | | ● | E |
| Wilber Reservoir No. 1 (Sec 21-6N-4E, Saline County) | BB1-L0095 | | ● | | A | | A | | ● | E |
| Walnut Creek Lake (2A) (Sec 11-8N-4E, Saline County) | BB1-L0100 | | ● | | A | | A | | ● | E |
| SUBBASIN BB2 | | | | | | | | | | |
| Swanton Lake (Sec 5-5N-3E, Saline County) | BB2-L0005 | | ● | | A | | A | | ● | E |
| Swan Creek Lake 2A (WMA) (Sec 6-6N-2E, Saline County) | BB2-L0010 | | ● | | A | | A | | ● | EE |
| Swan Creek Lake (5A) (Sec 25-6N-1E, Saline County) | BB2-L0020 | | ● | | A | | A | | ● | E |
| Friend City Park Lake (Sec 23-8N-1E, Saline County) | BB2-L0030 | | ● | | A | | A | | ● | E |
| Geneva City Lake (Sec 36-7N-3W, Fillmore County) | BB2-L0040 | | ● | | A | | A | | ● | E |

Effective Date: _____

RIVER BASIN: Big Blue

Subbasin: BB3 and BB4

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|----------------------------------------------------------------|----------------------|----------------------|--------------|--------------|--------------|-----------------------|--------------|------------|-------------------------|--------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN BB3 | | | | | | | | | | |
| Smith Creek Lake (Sec 28-10N-1E, Seward County) | BB3-L0010 | | ● | | A | | A | | ● | E |
| Waco Basin (Sec 19-11N-1W, York County) | BB3-L0030 | | ● | | A | | A | | ● | E |
| Overland Trails Reservoir (Sec 15-10N-2W, York County) | BB3-L0035 | | ● | | A | | A | | ● | E |
| Henderson Pond (Sec 6-9N-4W, York County) | BB3-L0040 | | ● | | A | | A | | ● | E |
| Clark's Pond (Sec 3-7N-5W, Clay County) | BB3-L0045 | | ● | | A | | A | | ● | E |
| Lake Hastings (Sec 36-8N-10W, Adams County) | BB3-L0050 | | ● | | A | | A | | ● | E |
| Hastings Northwest Dam Lake (Sec 34-8N-10W, Adams County) | BB3-L0060 | | ● | | A | | A | | ● | E |
| Heartwell Lake (Sec 7-7N-9W, Adams County) | BB3-L0070 | | ● | | A | | A | | ● | E |
| Recharge Lake (Sec 2-10N-3W, York County) | BB3-L0080 | | ● | | A | | A | | ● | E |
| SUBBASIN BB4 | | | | | | | | | | |
| David City Park Lake (Sec 30-15N-3E, Butler County) | BB4-L0010 | | ● | | A | | A | | ● | E |
| Seward City Park Pond (Sec 20-11N-3E, Seward County) | BB4-L0020 | | ● | | A | | A | | ● | E |
| Surprise City Lake (Sec 15-13N-1E, Butler County) | BB4-L0030 | | ● | | A | | A | | ● | E |
| Oxbow Trails Reservoir (Sec 23-13N-2E, Butler County) | BB4-L0035 | | ● | | A | | A | | ● | E |
| Pioneer Trails Lake (Sec 35-11N-6W, Hamilton County) | BB4-L0040 | | ● | | A | | A | | ● | E |
| Aurora Leadership Center Lake (Sec 34-11N-6W, Hamilton County) | BB4-L0045 | | ● | | A | | A | | ● | E |

RIVER BASIN: Elkhorn

Subbasin: EL1 and EL2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|-----------------------------------------------------------------|-------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|---|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | |
| SUBBASIN EL1 | | | | | | | | | | |
| Highway 275 Bypass Lake No. 1 (Sec 2-17N-8E, Dodge County) | EL1-L0010 | | ● | | A | | A | | ● | E |
| Highway 275 Bypass Lake No. 2 (Sec 2-17N-8E, Dodge County) | EL1-L0020 | | ● | | A | | A | | ● | E |
| Highway 275 Bypass Lake No. 4 (Sec 19-17N-9E, Dodge County) | EL1-L0030 | | ● | | A | | A | | ● | E |
| Highway 275 Bypass Lake No. 3 (Sec 20-17N-9E, Dodge County) | EL1-L0040 | | ● | | A | | A | | ● | E |
| Hooper City Lake (Sec 17-19N-8E, Dodge County) | EL1-L0050 | | ● | | A | | A | | ● | E |
| West Point City Lake (Sec 34-22N-6E, Cuming County) | EL1-L0060 | | ● | | A | | A | | ● | E |
| Pilger Reservoir (Sec 26-24N-3E, Stanton County) | EL1-L0070 | | ● | | A | | A | | ● | E |
| Red Fox Lake (WMA) (Sec 11-23N-3E, Stanton County) | EL1-L0075 | | ● | | A | | A | | ● | E |
| Maskenthine Reservoir (Sec 7-23N-2E, Stanton County) | EL1-L0080 | | ● | | A | | A | | ● | E |
| Leigh Tri-County Lake (Sec 18-20N-2E, Colfax County) | EL1-L0090 | | ● | | A | | A | | ● | E |
| Maple Creek Recreation Area Lake (Sec 13-20N-1E, Platte County) | EL1-L0095 | | ● | | A | | A | | ● | E |
| Wood Duck Lake (WMA) (Sec 35-23N-1E, Stanton County) | EL1-L0100 | | ● | | A | | A | | ● | E |
| Loes Lake (Wood Duck WMA) (Sec 26-23N-1E, Stanton County) | EL1-L0110 | | ● | | A | | A | | ● | E |
| Pillar Lake (Wood Duck WMA) (Sec 35-23N-1E, Stanton County) | EL1-L0120 | | ● | | A | | A | | ● | E |
| Wood Duck Pond (Wood Duck WMA) (Sec 27-23N-1E, Stanton County) | EL1-L0130 | | ● | | A | | A | | ● | E |
| Dead Timber Lake (SRA) (Sec 12-20N-6E, Dodge County) | EL1-L0140 | | ● | | A | | A | | ● | E |
| SUBBASIN EL2 | | | | | | | | | | |
| Lyons City Park Lake (Sec 25-23N-8E, Burt County) | EL2-L0010 | | ● | | A | | A | | ● | E |
| Wayne Izaak Walton Lake (Sec 23-27N-3E, Wayne County) | EL2-L0020 | | ● | | A | | A | | ● | E |

Effective Date: _____

RIVER BASIN: Elkhorn

Subbasin: EL3 and EL4

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|--------------------------------------------------------------------|-------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN EL3 | | | | | | | | | | |
| Willow Creek Reservoir (Sec 33-26N-2W, Pierce County) | EL3-L0010 | | ● | | A | | A | | ● | E |
| Pierce City Lake (Sec 26-26N-2W, Pierce County) | EL3-L0020 | | ● | | A | | A | | ● | E |
| SUBBASIN EL4 | | | | | | | | | | |
| Andy's Lake (Sec 2-23N-1W, Madison County) | EL4-L0005 | | ● | | A | | A | | ● | E |
| Ta-Ha-Zouka Park Lagoon (Norfolk) (Sec 34-24N-1W, Madison County) | EL4-L0010 | | ● | | A | | A | | ● | E |
| Skyview Lake (Sec 21-24N-1W, Madison County) | EL4-L0020 | | ● | | A | | A | | ● | E |
| Horseshoe Bend Lake (Tilden) (Sec 24-24N-5W, Antelope County) | EL4-L0025 | | ● | | A | | A | | ● | E |
| Antelope County Country Club Lake (Sec 34-25N-6W, Antelope County) | EL4-L0030 | | ● | | A | | A | | ● | E |
| Penn Park Lake (Neligh) (Sec 20-25N-6W, Antelope County) | EL4-L0040 | | ● | | A | | A | | ● | E |
| Goose Lake (WMA) (Sec 26-25N-11W, Holt County) | EL4-L0050 | | ● | | A | | A | | ● | SH |
| O'Neill City Lake (Sec 31-29N-11W, Holt County) | EL4-L0060 | | ● | | A | | A | | ● | E |
| Atkinson Lake (SRA) (Sec 30-30N-14W, Holt County) | EL4-L0070 | | ● | | A | | A | | ● | E |
| Swan Lake (Sec 2-25N-15W, Holt County) | EL4-L0080 | | ● | | A | | A | | ● | SH |
| Overton Lake (Sec 30-27N-16W, Holt County) | EL4-L0090 | | ● | | A | | A | | ● | SH |
| Fish Lake (Sec 35-28N-18W, Rock County) | EL4-L0100 | | ● | | A | | A | | ● | SH |
| Peterson Lake (Sec 29-27N-18W, Rock County) | EL4-L0110 | | ● | | A | | A | | ● | SH |
| Twin Lakes R.C. – North Lake (WMA) (Sec 13-27N-19W, Rock County) | EL4-L0120 | | ● | | A | | A | | ● | SH |
| Twin Lakes R.C. – South Lake (WMA) (Sec 13-27N-19W, Rock County) | EL4-L0130 | | ● | | A | | A | | ● | SH |

RIVER BASIN: Little Blue

Subbasin: LB1 and LB2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|----------------------------------------------------------------------------|-------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN LB1 | | | | | | | | | | |
| Buckley Reservoir (3F) (Sec 10-1N-1E, Jefferson County) | LB1-L0010 | | ● | | A | | A | | ● | E |
| Crystal Springs Northwest Lake (Fairbury) (Sec 21-2N-2E, Jefferson County) | LB1-L0020 | | ● | | A | ● | A | | ● | E |
| Crystal Springs Center Lake (Fairbury) (Sec 21-2N-2E, Jefferson County) | LB1-L0030 | | ● | | A | ● | A | | ● | E |
| Crystal Springs East Lake (Fairbury) (Sec 21-2N-2E, Jefferson County) | LB1-L0040 | | ● | | A | ● | A | | ● | E |
| Lone Star Reservoir (Little Sandy Site 61) (Sec 12-5N-1W, Fillmore County) | LB1-L0050 | | ● | | A | | A | | ● | E |
| SUBBASIN LB2 | | | | | | | | | | |
| Alexandria Lake Nos. 1 & 2 (SRA) (Sec 16-3N-1E, Jefferson County) | LB2-L0010 | | ● | | A | | A | | ● | E |
| Alexandria Lake No. 3 (SRA) (Sec 17-3N-1E, Jefferson County) | LB2-L0030 | | ● | | A | | A | | ● | E |
| Bruning Dam Lake (Sec 35-5N-2W, Fillmore County) | LB2-L0040 | | ● | | A | | A | | ● | E |
| Liberty Cove Lake (Sec 35-4N-9W, Webster County) | LB2-L0050 | | ● | | A | | A | | ● | E |
| Crystal Lake (SRA) (Sec 27-6N-10W, Adams County) | LB2-L0070 | | ● | | A | | A | | ● | E |
| Prairie Lake (32-Mile H) (Sec 31-7N-10W, Adams County) | LB2-L0080 | | ● | | A | | A | | ● | E |
| Roseland Lake (32-Mile D) (Sec 20-7N-11W, Adams County) | LB2-L0090 | | ● | | A | | A | | ● | E |

Effective Date: _____

RIVER BASIN: Loup

Subbasin: LO1

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|-----------------------------------------------------------------------|-------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN LO1 | | | | | | | | | | |
| Columbus City Park Pond (Sec 30-17N-1E, Platte County) | LO1-L0010 | | ● | | A | | A | | ● | W |
| Columbus Izaak Walton Lake (Sec 36-17N-1W, Platte County) | LO1-L0020 | | ● | | A | | A | | ● | W |
| Pawnee Park Lake (Columbus) (Sec 25-17N-1W, Platte County) | LO1-L0030 | | ● | | A | | A | | ● | W |
| Stires Lake (Sec 25-17N-1W, Platte County) | LO1-L0040 | | ● | | A | | A | | ● | W |
| Wagner's Lake (Sec 25-17N-1W, Platte County) | LO1-L0050 | | ● | | A | | A | | ● | W |
| Loup Power District Headgate Pond No. 1 (Sec 28,17N-4W, Nance County) | LO1-L0060 | | ● | | A | | A | | ● | W |
| Loup Power District Headgate Pond No. 2 (Sec 29,17N-4W, Nance County) | LO1-L0070 | | ● | | A | | A | | ● | W |
| Loup Power District Headgate Pond No. 3 (Sec 32,17N-4W, Nance County) | LO1-L0080 | | ● | | A | | A | | ● | W |
| Loup Power District Headgate Pond No. 4 (Sec 32,17N-4W, Nance County) | LO1-L0090 | | ● | | A | | A | | ● | W |
| Loup Power District Headgate Pond No. 5 (Sec 32,17N-4W, Nance County) | LO1-L0100 | | ● | | A | | A | | ● | W |
| Stevenson's Lake (Sec 31-22N-7W, Boone County) | LO1-L0110 | | ● | | A | | A | | ● | W |
| Wolbach City Lake (Sec 31-17N-9W, Greeley County) | LO1-L0120 | | ● | | A | | A | | ● | W |
| Spalding Lake (Sec 29-20N-9W, Greeley County) | LO1-L0125 | | ● | | A | | A | | ● | W |
| Pibel Lake (SRA) (Sec 25-21N-11W, Wheeler County) | LO1-L0130 | | ● | | A | | A | | ● | W |
| Lake Ericson (Sec 25-21N-12W, Wheeler County) | LO1-L0140 | | ● | | A | | A | | ● | W |

RIVER BASIN: Loup

Subbasin: LO2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|-------------------------------------------------------------------------|-------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN LO2 | | | | | | | | | | |
| North Loup Lake (SRA) (Sec 22-15N-10W, Howard County) | LO2-L0010 | | ● | | A | | A | | ● | W |
| Davis Creek Reservoir (Sec 25-17N-13W, Valley County) | LO2-L0015 | | ● | | A | | A | | ● | W |
| Ord City Lake (Sec 21-19N-14W, Valley County) | LO2-L0020 | | ● | | A | | A | | ● | W |
| Burwell Lake (Sec 13-21N-16W, Garfield County) | LO2-L0030 | | ● | | A | | A | | ● | W |
| Burwell Park Lake (Sec 14-21N-16W, Garfield County) | LO2-L0040 | | ● | | A | | A | | ● | W |
| Calamus Reservoir (Sec 31-22N-16W, Garfield and Loup Counties) | LO2-L0050 | | ● | | A | | A | | ● | W |
| Willow Lake B.C. (WMA) (Sec 11-26N-24W, Brown County) | LO2-L0055 | | ● | | A | | A | | ● | SH |
| Clear Lake (Sec 31-27N-23W, Brown County) | LO2-L0060 | | ● | | A | | A | | ● | SH |
| Enders Overflow Lake (Sec 35-27N-24W, Brown County) | LO2-L0070 | | ● | | A | | A | | ● | SH |
| Long Lake (SRA) (Sec 22-27N-24W, Brown County) | LO2-L0080 | | ● | | A | | A | | ● | SH |
| South Twin Lake (WMA) (Sec 16-27N-24W, Brown County) | LO2-L0090 | | ● | | A | | A | | ● | SH |
| Dew Lake (Valentine NWR) (Sec 27-29N-26W, Cherry County) | LO2-L0100 | A | ● | | A | | A | | ● | SH |
| Crooked Lake (Valentine NWR) (Sec 32-29N-26W, Cherry County) | LO2-L0110 | A | ● | | A | | A | | ● | SH |
| East Long Lake (Valentine NWR) (Sec 6-28N-26W, Cherry County) | LO2-L0120 | A | ● | | A | | A | | ● | SH |
| Cow Lake (Valentine NWR) (Sec 31-29N-27W, Cherry County) | LO2-L0180 | A | ● | | A | | A | | ● | SH |
| Coleman Lake (Valentine NWR) (Sec 30-29N-28W, Cherry County) | LO2-L0250 | A | ● | | A | | A | | ● | SH |
| Rat and Beaver Lake (WMA) (Sec 25-29N-29W, Cherry County) | LO2-L0260 | | ● | | A | | A | | ● | SH |
| Mule Lake (Valentine NWR) (Sec 13-29N-29W, Cherry County) | LO2-L0270 | A | ● | | A | | A | | ● | SH |
| Devil's Punch Bowl Lake (Valentine NWR) (Sec 15-29N-29W, Cherry County) | LO2-L0280 | A | ● | | A | | A | | ● | SH |

Effective Date: _____

RIVER BASIN: Loup

Subbasin: LO3 and LO4

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|----------------------------------------------------------------------------|------------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | AESTHETICS | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | | | INDUSTRIAL |
| SUBBASIN LO3 | | | | | | | | | | |
| Farwell South Reservoir (Sec 28-14N-12W, Howard County) | LO3-L0010 | | ● | | A | | A | | ● | W |
| Sherman Reservoir (Sec 2-15N-14W, Sherman County) | LO3-L0020 | | ● | | A | | A | | ● | W |
| Bowman Lake (SRA) (Sec 13-15N-15W, Sherman County) | LO3-L0030 | | ● | | A | | A | | ● | W |
| Victoria Springs Lake (SRA) (Sec 20-19N-21W, Custer County) | LO3-L0040 | | ● | | A | | A | | ● | W |
| Bessey Fish Pond (Nebraska National Forest) (Sec 2-22N-26W, Thomas County) | LO3-L0050 | A | ● | B | | | A | | ● | W |
| Spring Valley Lake (Sec 32-22N-37W, Grant County) | LO3-L0060 | | ● | | A | | A | | ● | SH |
| Frye Lake (Sec 29-24N-38W, Grant County) | LO3-L0070 | | ● | | A | | A | | ● | SH |
| Alkali Lake (Sec 11-26N-40W, Cherry County) | LO3-L0090 | | ● | | A | | A | | ● | SH |
| SUBBASIN LO4 | | | | | | | | | | |
| Ravenna Lake (SRA) (Sec 10-12N-14W, Buffalo County) | LO4-L0010 | | ● | | A | | A | | ● | W |
| Beaver Creek Lake (SWA) (Sec 12-13N-16W, Sherman County) | LO4-L0020 | | ● | | A | | A | | ● | W |
| Ansley City Lake (Sec 9-15N-18W, Custer County) | LO4-L0030 | | ● | | A | | A | | ● | W |
| Melham Park Lake (Broken Bow) (Sec 28-17N-20W, Custer County) | LO4-L0040 | | ● | | A | | A | | ● | W |
| <u>Pressey Pond (WMA) (Sec 15-14N-21W, Custer County)</u> | <u>LO4-L0045</u> | | ● | | <u>A</u> | | <u>A</u> | | ● | <u>W</u> |
| Arnold Lake (SRA) (Sec 28-17N-25W, Custer County) | LO4-L0050 | | ● | | A | | A | | ● | W |

RIVER BASIN: Lower Platte

Subbasin: LP1

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|---------------------------------------------------------------------------|-------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN LP1 | | | | | | | | | | |
| Louisville Lake No. 1 (SRA) (Sec 15-12N-11E, Cass County) | LP1-L0010 | | ● | | A | | A | | ● | E |
| Louisville Lake No. 1A (SRA) (Sec 15-12N-11E, Cass County) | LP1-L0020 | | ● | | A | | A | | ● | E |
| Louisville Lake No. 2 (SRA) (Sec 15-12N-11E, Cass County) | LP1-L0030 | | ● | | A | | A | | ● | E |
| Louisville Lake No. 3 (SRA) (Sec 21-12N-11E, Cass County) | LP1-L0040 | | ● | | A | | A | | ● | E |
| Louisville Lake No. 2A (SRA) (Sec 22-12N-11E, Cass County) | LP1-L0050 | | ● | | A | | A | | ● | E |
| Jenny Newman Lake (Platte River State Park) (Sec 19-12N-11E, Cass County) | LP1-L0060 | A | ● | | A | | A | | ● | E |
| Schramm Park Ponds (10 Ponds) (SRA) (Sec 12-12N-10E, Sarpy County) | LP1-L0070 | | ● | | A | | A | | ● | E |
| Qwest Lake (Mahoney State Park) (Sec 9-12N-10E, Cass County) | LP1-L0080 | A | ● | | A | | A | | ● | E |
| Baright Lake (Mahoney State Park) (Sec 9-12N-10E, Cass County) | LP1-L0090 | A | ● | | A | | A | | ● | E |
| Two Rivers Lake No. 5 (SRA) (Sec 36-15N-9E, Douglas County) | LP1-L0100 | | ● | B | | | A | | ● | E |
| Two Rivers Carp Lake (SRA) (Sec 36-15N-9E, Douglas County) | LP1-L0110 | | ● | | A | | A | | ● | E |
| Two Rivers Lake No. 6 (SRA) (Sec 6-14N-10E, Douglas County) | LP1-L0120 | | ● | | A | | A | | ● | E |
| Two Rivers Lakes No. 1 and 2 (SRA) (Sec 6-14N-10E, Douglas County) | LP1-L0130 | | ● | | A | | A | | ● | E |
| Two Rivers Lake No. 3 (SRA) (Sec 36-15N-9E, Douglas County) | LP1-L0140 | | ● | | A | | A | | ● | E |
| Two Rivers Lake No. 4 (SRA) (Sec 36-15N-9E, Douglas County) | LP1-L0150 | | ● | | A | | A | | ● | E |
| Fremont Lake No. 14 (SRA) (Sec 16-17N-8E, Dodge County) | LP1-L0160 | | ● | | A | | A | | ● | E |
| Fremont Lake No. 13 (SRA) (Sec 16-17N-8E, Dodge County) | LP1-L0170 | | ● | | A | | A | | ● | E |
| Fremont Lake No. 12 (SRA) (Sec 16-17N-8E, Dodge County) | LP1-L0180 | | ● | | A | | A | | ● | E |

Effective Date: _____

RIVER BASIN: Lower Platte

Subbasin: LP1

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|---------------------------------------------------------------|-------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN LP1 (Continued) | | | | | | | | | | |
| Fremont Lake No. 19 (SRA) (Sec 16-17N-8E, Dodge County) | LP1-L0190 | | ● | | A | | A | | ● | E |
| Fremont Lake No. 15 (SRA) (Sec 16-17N-8E, Dodge County) | LP1-L0200 | | ● | | A | | A | | ● | E |
| Fremont Lake No. 11 (SRA) (Sec 17-17N-8E, Dodge County) | LP1-L0210 | | ● | | A | | A | | ● | E |
| Fremont Lake No. 18 (SRA) (Sec 16-17N-8E, Dodge County) | LP1-L0220 | | ● | | A | | A | | ● | E |
| Fremont Lake No. 17 (SRA) Sec 17-17N-8E, Dodge County) | LP1-L0230 | | ● | | A | | A | | ● | E |
| Fremont Lake No. 10 (SRA) (Sec 17-17N-8E, Dodge County) | LP1-L0240 | | ● | | A | | A | | ● | E |
| Fremont Lake No. 20 (SRA) (Sec 17-17N-8E, Dodge County) | LP1-L0250 | | ● | | A | | A | | ● | E |
| Fremont Lake No. 16 (SRA) (Sec 17-17N-8E, Dodge County) | LP1-L0270 | | ● | | A | | A | | ● | E |
| Fremont Lake No. 9 (SRA) (Sec 17-17N-8E, Dodge County) | LP1-L0280 | | ● | | A | | A | | ● | E |
| Fremont Lake No. 1 (SRA) (Sec 13-17N-7E, Dodge County) | LP1-L0290 | | ● | | A | | A | | ● | E |
| Fremont Lake No. 2 (SRA) (Sec 13-17N-7E, Dodge County) | LP1-L0300 | | ● | | A | | A | | ● | E |
| Fremont Lake No. 3 (SRA) (Sec 13-17N-7E, Dodge County) | LP1-L0310 | | ● | | A | | A | | ● | E |
| Fremont Lake No. 3A (SRA) (Sec 13-17N-7E, Dodge County) | LP1-L0315 | | ● | | A | | A | | ● | E |
| Fremont Lake No. 5 (SRA) (Sec 13-17N-7E, Dodge County) | LP1-L0320 | | ● | | A | | A | | ● | E |
| Fremont Lake No. 4 (SRA) Sec 13-17N-7E, Dodge County) | LP1-L0330 | | ● | | A | | A | | ● | E |
| Fremont Lake No. 6 (SRA) (Sec 14-17N-7E, Dodge County) | LP1-L0340 | | ● | | A | | A | | ● | E |
| Fremont Lakes No. 7 and 8 (SRA) (Sec 14-17N-7E, Dodge County) | LP1-L0350 | | ● | | A | | A | | ● | E |
| Homestead Lake (Sec 3-15N-4E, Butler County) | LP1-L0355 | | ● | | A | | A | | ● | E |

RIVER BASIN: Lower Platte

Subbasin: LP1 and LP2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|----------------------------------------------------------|-------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN LP1 (Continued) | | | | | | | | | | |
| Schuyler East Park Pond (Sec 23-17N-3E, Colfax County) | LP1-L0360 | | ● | | A | | A | | ● | E |
| Schuyler City Lake (Sec 22-17N-3E, Colfax County) | LP1-L0370 | | ● | | A | | A | | ● | E |
| Camp Luther Pond (Sec 15-18N-2E, Colfax County) | LP1-L0380 | | ● | | A | | A | | ● | E |
| McAllister Lake (Sec 33-17N-2E, Colfax County) | LP1-L0390 | | ● | | A | | A | | ● | E |
| Christopher Cove Lake (Sec 21-17N-1E, Platte County) | LP1-L0400 | | ● | | A | | A | | ● | E |
| Country Club Shores Lake (Sec 12-17N-1W, Platte County) | LP1-L0410 | | ● | | A | | A | | ● | E |
| Columbus Country Club Lake (Sec 2-17N-1W, Platte County) | LP1-L0420 | | ● | | A | | A | | ● | E |
| Oconee Siphon Pond (Sec 27-18N-2W, Platte County) | LP1-L0430 | | ● | | A | | A | | ● | E |
| Lake North (Sec 31-18N-1E, Platte County) | LP1-L0440 | | ● | | A | | A | ● | ● | E |
| Lake Babcock (Sec 31-18N-1E, Platte County) | LP1-L0450 | | ● | | A | | A | ● | ● | E |
| SUBBASIN LP2 | | | | | | | | | | |
| Memphis Lake (SRA) (Sec 17-13N-9E, Saunders County) | LP2-L0010 | | ● | | A | | A | | ● | E |
| Lake Wanahoo (SRA) (Sec 27-15N-7E, Saunders County) | LP2-L0015 | | ● | | A | | A | | ● | E |
| Hedgefield Lake (WMA) (Sec 6-7N-8E, Lancaster County) | LP2-L0020 | | ● | | A | | A | | ● | E |
| Wagon Train Lake (Sec 25-8N-7E, Lancaster County) | LP2-L0030 | | ● | | A | | A | | ● | E |
| Holmes Lake (Sec 4-9N-7E, Lancaster County) | LP2-L0040 | | ● | | A | | A | | ● | E |
| Stagecoach Lake (Sec 4-7N-7E, Lancaster County) | LP2-L0050 | | ● | | A | | A | | ● | E |
| Oak Lake (Lincoln) (Sec 14-10N-6E, Lancaster County) | LP2-L0060 | | ● | | A | | A | | ● | E |
| Regional Center Pond (Sec 3-9N-6E, Lancaster County) | LP2-L0065 | | ● | | A | | A | | ● | E |
| Cottontail Lake (17A) (Sec 20-8N-6E, Lancaster County) | LP2-L0070 | | ● | | A | | A | | ● | E |
| Killdeer Lake (WMA) (Sec 8-8N-6E, Lancaster County) | LP2-L0080 | | ● | | A | | A | | ● | E |

Effective Date: _____

RIVER BASIN: Lower Platte

Subbasin: LP2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|--------------------------------------------------------|-------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN LP2 (Continued) | | | | | | | | | | |
| Yankee Hill Lake (Sec 19-9N-6E, Lancaster County) | LP2-L0090 | | ● | | A | | A | | ● | E |
| Bowling Lake (Sec 6-10N-6E, Lancaster County) | LP2-L0100 | | ● | | A | | A | | ● | E |
| Bluestem Lake (Sec 30-8N-6E, Lancaster County) | LP2-L0110 | | ● | | A | | A | | ● | E |
| Wildwood Lake (Sec 3-12N-5E, Lancaster County) | LP2-L0120 | | ● | | A | | A | | ● | E |
| Conestoga Lake (Sec 10-9N-5E, Lancaster County) | LP2-L0130 | | ● | | A | | A | | ● | E |
| Olive Creek Lake (Sec 10-7N-5E, Lancaster County) | LP2-L0140 | | ● | | A | | A | | ● | E |
| Branched Oak Lake (Sec 34-12N-5E, Lancaster County) | LP2-L0150 | | ● | | A | | A | | ● | E |
| Pawnee Lake (Sec 16-10N-5E, Lancaster County) | LP2-L0160 | | ● | | A | | A | | ● | E |
| Merganser Lake (25A) (Sec 3-7N-5E, Lancaster County) | LP2-L0170 | | ● | | A | | A | | ● | E |
| Teal Lake (27C) (WMA) (Sec 20-7N-5E, Lancaster County) | LP2-L0180 | | ● | | A | | A | | ● | E |
| Red Cedar Lake (Sec 20-14N-5E, Saunders County) | LP2-L0190 | | ● | | A | | A | | ● | E |
| Wild Plum Lake (26A) (Sec 32-8N-5E, Lancaster County) | LP2-L0200 | | ● | | A | | A | | ● | E |
| Tanglewood Lake (27C) (Sec 7-7N-5E, Lancaster County) | LP2-L0210 | | ● | | A | | A | | ● | E |
| Meadowlark Lake (Sec 1-12N-4E), Seward County) | LP2-L0220 | | ● | | A | | A | | ● | E |
| Twin Lakes WMA Pond (Sec 14-10N-4E, Seward County) | LP2-L0230 | | ● | | A | | A | | ● | E |
| East Twin Lake (Sec 23-10N-4E, Seward County) | LP2-L0240 | | ● | | A | | A | | ● | E |
| Timber Point Lake (6C) (Sec 22-14N-4E, Butler County) | LP2-L0250 | | ● | | A | | A | | ● | E |
| West Twin Lake (Sec 22-10N-4E, Seward County) | LP2-L0260 | | ● | | A | | A | | ● | E |
| Czechland Lake (Sec 26-16N-5E, Saunders County) | LP2-L0270 | | ● | | A | | A | | ● | E |
| Redtail Lake (Sec 20-13N-4E, Butler County) | LP2-L0280 | | ● | | A | | A | | ● | E |

RIVER BASIN: Middle Platte

Subbasin: MP1 and MP2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|------------------------------------------------------------------------------|-------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN MP1 | | | | | | | | | | |
| Lease Lake (Sec 23-13N-6W, Hamilton County) | MP1-L0010 | | ● | | A | | A | | ● | W |
| Silver Creek City Pond (Sec 33-16N-3W, Merrick County) | MP1-L0015 | | ● | | A | | A | | ● | W |
| Mormon Trail Lake (SWA) (Sec 10-14N-5W, Merrick County) | MP1-L0020 | | ● | | A | | A | | ● | W |
| Hord Lake East (Sec 12-13N-6W, Merrick County) | MP1-L0030 | | ● | | A | | A | | ● | W |
| Hord Lake West (Sec 13-13N-6W, Merrick County) | MP1-L0040 | | ● | | A | | A | | ● | W |
| Bader Memorial Lake No. 7 (Sec 29-12N-7W, Merrick County) | MP1-L0050 | | ● | | A | | A | | ● | W |
| Bader Memorial Lake No. 6 (Sec 30-12N-7W, Merrick County) | MP1-L0060 | | ● | | A | | A | | ● | W |
| Bader Memorial Lake No. 5 (Sec 30-12N-7W, Merrick County) | MP1-L0070 | | ● | | A | | A | | ● | W |
| Bader Memorial Lake No. 4 (Sec 30-12N-7W, Merrick County) | MP1-L0080 | | ● | | A | | A | | ● | W |
| Bader Memorial Lake No. 2 (Sec 30-12N-7W, Merrick County) | MP1-L0090 | | ● | | A | | A | | ● | W |
| Bader Memorial Lake No. 3 (Sec 30-12N-7W, Merrick County) | MP1-L0100 | | ● | | A | | A | | ● | W |
| Bader Memorial Lake No. 1 (Sec 30-12N-7W, Merrick County) | MP1-L0110 | | ● | | A | | A | | ● | W |
| Grand Island Detention Cell (Sec 5-11N-9W, Hall County) | MP1-L0120 | | ● | | A | | A | | ● | W |
| Cornhusker Lake (WMA) (Sec 20-11N-10W, Hall County) | MP1-L0130 | | ● | | A | | A | | ● | W |
| SUBBASIN MP2 | | | | | | | | | | |
| Grand Island Rest Area Lake (I-80 mile 315.0 S) (Sec 22-10N-9W, Hall County) | MP2-L0010 | | ● | | A | | A | | ● | W |
| Grand Island Pier Lake (Sec 15-11N-9W, Hall County) | MP2-L0020 | | ● | | A | | A | | ● | W |
| Grand Island L.E. Ray Lake (Sec 28-11N-9W, Hall County) | MP2-L0030 | | ● | | A | | A | | ● | W |
| Grand Island Sucks Lake (Sec 21-11N-9W, Hall County) | MP2-L0040 | | ● | | A | | A | | ● | W |
| Mormon Island Lake (SWA) (I-80 mile 313.5 N) (Sec 21-10N-9W, Hall County) | MP2-L0050 | | ● | | A | | A | | ● | W |

Effective Date: _____

RIVER BASIN: Middle Platte

Subbasin: MP2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|-----------------------------------------------------------------------|-------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN MP2 (Continued) | | | | | | | | | | |
| East Mormon Island Lake (SRA) (Sec 20-10N-9W, Hall County) | MP2-L0060 | | ● | | A | | A | | ● | W |
| West Mormon Island Lake (SRA) (Sec 20-10N-9W, Hall County) | MP2-L0070 | | ● | | A | | A | | ● | W |
| Alda Rest Area Lake (I-80 mile 306.0 N) (Sec 30-10N-10W, Hall County) | MP2-L0090 | | ● | | A | | A | | ● | W |
| Cheyenne Lake (SRA) (Sec 7-9N-11W, Hall County) | MP2-L0100 | | ● | | A | | A | | ● | W |
| West Wood River Lake (WMA) (Sec 13-9N-12W, Hall County) | MP2-L0110 | | ● | | A | | A | | ● | W |
| War Axe Lake (SRA) (Sec 25-9N-13W, Buffalo County) | MP2-L0120 | | ● | | A | | A | | ● | W |
| Windmill Lake No. 4 (SRA) (Sec 36-9N-14W, Buffalo County) | MP2-L0130 | | ● | | A | | A | | ● | W |
| Windmill Lake No. 5 (SRA) (Sec 31-9N-13W, Buffalo County) | MP2-L0140 | | ● | | A | | A | | ● | W |
| Windmill Lake No. 3 (SRA) (Sec 36-9N-14W, Buffalo County) | MP2-L0150 | | ● | | A | | A | | ● | W |
| Windmill Lake No. 2 (SRA) (Sec 36-9N-14W, Buffalo County) | MP2-L0160 | | ● | | A | | A | | ● | W |
| Windmill Lake No. 1 (SRA) (Sec 36-9N-14W, Buffalo County) | MP2-L0170 | | ● | | A | | A | | ● | W |
| Windmill Lake No. 6 (SRA) (Sec 36-9N-14W, Buffalo County) | MP2-L0180 | | ● | | A | | A | | ● | W |
| Bassway Strip Lake No. 5 (WMA) (Sec 2-8N-14W, Buffalo County) | MP2-L0190 | | ● | | A | | A | | ● | W |
| Bassway Strip Lake No. 4 (WMA) (Sec 4-8N-14W, Buffalo County) | MP2-L0200 | | ● | | A | | A | | ● | W |
| Bassway Strip Lake No. 3 (WMA) (Sec 4-8N-14W, Buffalo County) | MP2-L0210 | | ● | | A | | A | | ● | W |
| Bassway Strip Lake No. 2 (WMA) (Sec 5-8N-14W, Buffalo County) | MP2-L0220 | | ● | | A | | A | | ● | W |
| Bassway Strip Lake No. 1 (WMA) (Sec 6-8N-14W, Buffalo County) | MP2-L0230 | | ● | | A | | A | | ● | W |
| Bufflehead Lake (WMA) (Sec 9-8N-15W, Buffalo County) | MP2-L0240 | | ● | | A | | A | | ● | W |
| Ft. Kearny Lake No. 1 (SRA) (Sec 23-8N-15W, Kearney County) | MP2-L0250 | | ● | | A | | A | | ● | W |

RIVER BASIN: Middle Platte

Subbasin: MP2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|----------------------------------------------------------------------------------|------------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN MP2 (Continued) | | | | | | | | | | |
| Ft. Kearny Lake No. 2 (SRA) (Sec 22-8N-15W, Buffalo County) | MP2-L0260 | | ● | | A | | A | | ● | W |
| Ft. Kearny Lake No. 3 (SRA) (Sec 22-8N-15W, Buffalo County) | MP2-L0270 | | ● | | A | | A | | ● | W |
| Ft. Kearny Lake No. 4 (SRA) (Sec 22-8N-15W, Buffalo County) | MP2-L0280 | | ● | | A | | A | | ● | W |
| Ft. Kearny Lake No. 5 (SRA) (Sec 22-8N-15W, Buffalo County) | MP2-L0290 | | ● | | A | | A | | ● | W |
| Ft. Kearny Lake No. 6 (SRA) (Sec 22-8N-15W, Buffalo County) | MP2-L0300 | | ● | | A | | A | | ● | W |
| Ft. Kearny Lake No. 7 (SRA) (Sec 22-8N-15W, Buffalo County) | MP2-L0310 | | ● | | A | | A | | ● | W |
| Kea Lake (WMA) (Sec 14-8N-16W, Buffalo County) | MP2-L0320 | | ● | | A | | A | | ● | W |
| Kearney Lake (Sec 35-9N-16W, Buffalo County) | MP2-L0330 | | ● | | A | | A | | ● | W |
| <u>Yanney Park Lake (Kearney) (Sec 10-8N-16W, Buffalo County)</u> | <u>MP2-L0335</u> | | ● | | A | | A | | ● | W |
| Kea West Lake (WMA) (Sec 10-8N-16W, Buffalo County) | MP2-L0340 | | ● | | A | | A | | ● | W |
| North Kearney Rest Area Lake (I-80 mile 271.0 N) (Sec 10-8N-16W, Buffalo County) | MP2-L0350 | | ● | | A | | A | | ● | W |
| Cottonmill Lake (Sec 32-9N-16W, Buffalo County) | MP2-L0360 | | ● | | A | | A | | ● | W |
| South Kearney Rest Area Lake (I-80 mile 269.0 S) (Sec 17-8N-16W, Buffalo County) | MP2-L0370 | | ● | | A | | A | | ● | W |
| East Odessa Lake (WMA) (Sec 18-8N-16W, Buffalo County) | MP2-L0380 | | ● | | A | | A | | ● | W |
| Union Pacific Lake (SRA) (Sec 9-8N-17W, Buffalo County) | MP2-L0390 | | ● | | A | | A | | ● | W |
| Coot Shallows Lake (WMA) (Sec 7-8N-17W, Buffalo County) | MP2-L0400 | | ● | | A | | A | | ● | W |
| Blue Hole East Lake (WMA) (Sec 4-8N-18W, Buffalo County) | MP2-L0410 | | ● | | A | | A | | ● | W |
| Sandy Channel Lake (SRA) (Sec 16-8N-18W, Buffalo County) | MP2-L0420 | | ● | | A | | A | | ● | W |
| Blue Hole Lake (Elm Creek) (WMA) (Sec 5-8N-18W, Buffalo County) | MP2-L0430 | | ● | | A | | A | | ● | W |
| West Elm Creek Lake (WMA) (Sec 4-8N-19W, Dawson County) | MP2-L0440 | | ● | | A | | A | | ● | W |

Effective Date: _____

RIVER BASIN: Middle Platte

Subbasin: MP2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|----------------------------------------------------------------|-------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN MP2 (Continued) | | | | | | | | | | |
| Overton Lake (WMA) (Sec 1-8N-20W, Dawson County) | MP2-L0450 | | ● | | A | | A | | ● | W |
| Dogwood Lake (WMA) (Sec 5-8N-20W, Dawson County) | MP2-L0460 | | ● | | A | | A | | ● | W |
| Dawson County Museum Lake (Sec 5-9N-21W, Dawson County) | MP2-L0470 | | ● | | A | | A | | ● | W |
| Interstate Lake (Lexington) (Sec 20-9N-21W, Dawson County) | MP2-L0480 | | ● | | A | | A | | ● | W |
| Plum Creek Park Lake (Lexington) (Sec 6-9N-21W, Dawson County) | MP2-L0490 | | ● | | A | | A | | ● | W |
| Phillips Lake (Sec 2-8N-22W, Gosper County) | MP2-L0500 | | ● | | A | | A | | ● | W |
| Bossung Lake (Sec 4-8N-22W, Gosper County) | MP2-L0510 | | ● | | A | | A | | ● | W |
| Johnson Lake (Sec 8-8N-22W, Gosper County) | MP2-L0520 | | ● | | A | | A | ● | ● | W |
| Buffalo Creek Lake (Sec 4-11N-22W, Dawson County) | MP2-L0530 | | ● | | A | | A | | ● | W |
| Elwood Reservoir (Sec 30-8N-22W, Gosper County) | MP2-L0540 | | ● | | A | | A | | ● | W |
| Darr Lake (WMA) (Sec 5-9N-22W, Dawson County) | MP2-L0550 | | ● | | A | | A | | ● | W |
| Plum Creek Lake (Sec 34-9N-23W) Dawson County) | MP2-L0560 | | ● | | A | | A | | ● | W |
| Gallagher Canyon Reservoir (Sec 20-9N-23W, Dawson County) | MP2-L0570 | | ● | | A | | A | | ● | W |
| Cozad Lake (WMA) (Sec 18-10N-23W, Dawson County) | MP2-L0580 | | ● | | A | | A | | ● | W |
| West Cozad Lake (WMA) (Sec 12-10N-24W, Dawson County) | MP2-L0590 | | ● | | A | | A | | ● | W |
| East Willow Island Lake (WMA) (Sec 3-10N-24W, Dawson County) | MP2-L0600 | | ● | | A | | A | | ● | W |
| Willow Island Lake (WMA) (Sec 33-11N-24W, Dawson County) | MP2-L0610 | | ● | | A | | A | | ● | W |
| Midway Lakes (8 Lakes) (Sec 33-10N-24W, Dawson County) | MP2-L0620 | | ● | | A | | A | | ● | W |
| East Gothenburg Lake (WMA) (Sec 30-11N-24W, Dawson County) | MP2-L0630 | | ● | | A | | A | | ● | W |
| Little Canyon Lake No. 2 (Sec 14-10N-25W, Dawson County) | MP2-L0640 | | ● | | A | | A | | ● | W |

RIVER BASIN: Middle Platte

Subbasin: MP2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|----------------------------------------------------------------------------|------------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN MP2 (Continued) | | | | | | | | | | |
| Lake Helen (Sec 10-11N-25W, Dawson County) | MP2-L0650 | | ● | | A | | A | | ● | W |
| Little Canyon Lake No. 1 (Sec 9-10N-25W, Dawson County) | MP2-L0660 | | ● | | A | | A | | ● | W |
| West Gothenburg Lake (WMA) (Sec 29-12N-26W, Lincoln County) | MP2-L0680 | | ● | | A | | A | | ● | W |
| Brady Lake (WMA) (Sec 23-12N-27W, Lincoln County) | MP2-L0690 | | ● | | A | | A | | ● | W |
| Chester Island Lake (WMA) (Sec 22-12N-27W, Lincoln County) | MP2-L0700 | | ● | | A | | A | | ● | W |
| Jeffrey Reservoir (Sec 4-11N-27W, Lincoln County) | MP2-L0710 | | ● | | A | | A | ● | ● | W |
| West Brady Lake (WMA) (Sec 17-12N-27W, Lincoln County) | MP2-L0720 | | ● | | A | | A | | ● | W |
| Snell Canyon Lake No. 2 (Sec 31-12N-27W, Lincoln County) | MP2-L0730 | | ● | | A | | A | | ● | W |
| Snell Canyon Lake No. 1 (Sec 36-12N-28W, Lincoln County) | MP2-L0740 | | ● | | A | | A | | ● | W |
| Maxwell Rest Area Lake (I-80 mile 194.0 N) (Sec 1-12N-28W, Lincoln County) | MP2-L0750 | | ● | | A | | A | | ● | W |
| Target Lake (Sec 23-12N-28W, Lincoln County) | MP2-L0760 | | ● | | A | | A | | ● | W |
| Fort McPherson Lake (SWA) (Sec 34-13N-28W, Lincoln County) | MP2-L0770 | | ● | | A | | A | | ● | W |
| Cottonwood Canyon Lake (Sec 16-12N-28W, Lincoln County) | MP2-L0780 | | ● | | A | | A | | ● | W |
| I-80 BLM Lake (Sec 33-13N-28W, Lincoln County) | MP2-L0790 | | ● | | A | | A | | ● | W |
| <u>Pawnee Slough Lake (WMA) (Sec 21-13N-28W, Lincoln County)</u> | <u>MP2-L0795</u> | | <u>●</u> | | <u>A</u> | | <u>A</u> | | <u>●</u> | <u>W</u> |
| West Maxwell Lake (WMA) (Sec 33-13N-28W, Lincoln County) | MP2-L0800 | | ● | | A | | A | | ● | W |
| Box Elder Canyon Lake (Sec 12-12N-29W, Lincoln County) | MP2-L0810 | | ● | | A | | A | | ● | W |
| Crystal Lake (Sec 23-13N-29W, Lincoln County) | MP2-L0820 | | ● | | A | | A | | ● | W |
| Fremont Slough Lake (WMA) (Sec 17-13N-29W, Lincoln County) | MP2-L0840 | | ● | | A | | A | | ● | W |

Effective Date: _____

RIVER BASIN: Missouri Tributaries

Subbasin: MT1

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|------------------------------------------------------------------------|------------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN MT1 | | | | | | | | | | |
| Offutt Lake (Sec 7-13N-14E, Sarpy County) | MT1-L0010 | | ● | | A | | A | | ● | E |
| Haworth Park Lake (Bellevue) (Sec 31-14N-14E, Sarpy County) | MT1-L0020 | | ● | | A | | A | | ● | E |
| Halleck Park Lake (Papillion) (Sec 26-14N-12E, Sarpy County) | MT1-L0023 | | ● | | A | | A | | ● | E |
| Walnut Creek Lake (Sec 33-14N-12E, Sarpy County) | MT1-L0025 | | ● | | A | | A | | ● | E |
| Prairie Queen Lake (Sec 19-14N-12E, Sarpy County) | MT1-L0027 | | ● | | A | | A | | ● | E |
| Wehrspann Lake (Site No. 20) (Sec 23-14N-11E, Sarpy County) | MT1-L0030 | | ● | | A | | A | | ● | E |
| Hitchcock Park Lake (Omaha) (Sec 5-14N-13E, Douglas County) | MT1-L0040 | | ● | | A | | A | | ● | E |
| Ed Zorinsky Lake (Site No. 18) (Sec 34-15N-11E, Douglas County) | MT1-L0050 | | ● | | A | | A | | ● | E |
| Hanscom Park Lake (Omaha) (Sec 28-15N-13E, Douglas County) | MT1-L0060 | | ● | | A | | A | | ● | E |
| <u>Heartland Park Lake (Omaha) (Sec 23-15N-13E, Douglas County)</u> | <u>MT1-L0063</u> | | ● | | A | | A | | ● | E |
| <u>Lawrence Youngman Lake (Omaha) (Sec 18-15N-11E, Douglas County)</u> | <u>MT1-L0067</u> | | ● | | A | | A | | ● | E |
| Fontenelle Park Lake (Omaha) (Sec 5-15N-13E, Douglas County) | MT1-L0070 | | ● | | A | | A | | ● | E |
| Benson Park Lake (Omaha) (Sec 1-15N-12E, Douglas County) | MT1-L0080 | | ● | | A | | A | | ● | E |
| Carter Lake (Omaha) (Sec 2-15N-13E, Douglas County) | MT1-L0090 | | ● | | A | | A | | ● | E |
| <u>Flanagan Lake (Omaha) (Sec 33-16N-11E, Douglas County)</u> | <u>MT1-L095</u> | | ● | | A | | A | | ● | E |
| Standing Bear Lake (Site No. 16) (Sec 36-16N-11E, Douglas County) | MT1-L0100 | | ● | | A | | A | | ● | E |
| Miller Park Lake (Omaha) (Sec 33-16N-13E, Douglas County) | MT1-L0110 | | ● | | A | | A | | ● | E |
| Glenn Cunningham Lake (Site No. 11) (Sec 22-16N-12E, Douglas County) | MT1-L0120 | | ● | | A | | A | | ● | E |
| Papio D-4 Lake (Sec 9-16N-12E, Douglas County) | MT1-L0130 | | ● | | A | | A | | ● | E |
| Prairie View Lake (Sec 8-16N-11E, Douglas County) | MT1-L0135 | | ● | | A | | A | | ● | E |

RIVER BASIN: Missouri Tributaries

Subbasin: MT1 and MT2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|---------------------------------------------------------------------|-------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|---|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | AESTHETICS | |
| SUBBASIN MT1 (Continued) | | | | | | | | | | |
| DeSoto Lake (DeSoto NWR) (Sec 18-18N-13E, Washington County) | MT1-L0140 | A | ● | | A | | A | | ● | E |
| Summit Lake (Sec 27-21N-10E, Burt County) | MT1-L0150 | | ● | | A | | A | | ● | E |
| Mud Creek SCS Pond (Sec 18-21N-11E, Burt County) | MT1-L0160 | | ● | | A | | A | | ● | E |
| Middle Decatur Bend Lake (WMA) (Sec 5-23N-11E, Burt County) | MT1-L0170 | | ● | | A | | A | | ● | E |
| Omadi Bend Lake (WMA) (Sec 32-28N-9E, Dakota County) | MT1-L0180 | | ● | | A | | A | | ● | E |
| Kramper Lake (Sec 23-28N-7E, Dakota County) | MT1-L0185 | | ● | | A | | A | | ● | E |
| Gateway Lake (Sec 33-29N-9E, Dakota County) | MT1-L0190 | | ● | | A | | A | | ● | E |
| Crystal Cove Lake (South Sioux City) (Sec 29-29N-9E, Dakota County) | MT1-L0200 | | ● | | A | | A | | ● | E |
| SUBBASIN MT2 | | | | | | | | | | |
| Powder Creek Lake (Sec 10-30N-5E, Dixon County) | MT2-L0005 | | ● | | A | | A | | ● | E |
| Buckskin Hills Lake (Sec 26-31N-4E, Dixon County) | MT2-L0010 | | ● | | A | | A | | ● | E |
| Chalkrock Lake (Sec 36-33N-1W, Cedar County) | MT2-L0020 | | ● | | A | | A | | ● | E |
| Cottonwood Lake (Lake Yankton) (Sec 7-33N-1W, Cedar County) | MT2-L0030 | | ● | | A | | A | | ● | E |
| Lewis and Clark Lake (Sec 12-33N-2W, Knox County) | MT2-L0040 | | ● | | A | ● | A | ● | ● | E |
| Crofton City Lake (Sec 26-32N-2W, Knox County) | MT2-L0050 | | ● | | A | | A | | ● | E |
| Plainview Country Club Lake (Sec 26-28N-5W, Antelope County) | MT2-L0060 | | ● | | A | | A | | ● | E |

Effective Date: _____

RIVER BASIN: Nemaha

Subbasin: NE1 and NE2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|-------------------------------------------------------------------|------------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN NE1 | | | | | | | | | | |
| <u>Buck Creek Lake (Sec 17-6N-15E, Nemaha County)</u> | <u>NE1-L0003</u> | | ● | | A | | A | | ● | E |
| <u>Duck Creek Lake (Sec 12-6N-14E, Nemaha County)</u> | <u>NE1-L0007</u> | | ● | | A | | A | | ● | E |
| Steinhart Park Lake (Nebraska City) (Sec 8-8N-14E, Otoe County) | NE1-L0010 | | ● | | A | | A | | ● | E |
| Weeping Water City Lake (Sec 2-10N-11E, Cass County) | NE1-L0020 | | ● | | A | | A | | ● | E |
| Plattsmouth City Lake (Sec 13-12N-13E, Cass County) | NE1-L0030 | | ● | | A | | A | | ● | E |
| Randall Schilling Lake No. 1 (WMA) (Sec 6-12N-14E, Cass County) | NE1-L0040 | | ● | | A | | A | | ● | E |
| Randall Schilling Lake No. 2 (WMA) (Sec 6-12N-14E, Cass County) | NE1-L0050 | | ● | | A | | A | | ● | E |
| SUBBASIN NE2 | | | | | | | | | | |
| Falls City Lake (Stanton Lake) (Sec 10-1N-16E, Richardson County) | NE2-L0010 | | ● | | A | | A | | ● | E |
| Verdon Lake (SRA) (Sec 10-2N-15E, Richardson County) | NE2-L0020 | | ● | | A | | A | | ● | E |
| Humboldt City Lake (Sec 10-2N-13E, Richardson County) | NE2-L0030 | | ● | | A | | A | | ● | E |
| Kirkman's Cove Lake (Sec 30-3N-13E, Richardson County) | NE2-L0040 | | ● | | A | | A | | ● | E |
| Twin Oaks Lake No. 9 (WMA) (Sec 13-4N-11E, Johnson County) | NE2-L0060 | | ● | | A | | A | | ● | E |
| Twin Oaks Lake No. 7 (WMA) (Sec 12-4N-11E, Johnson County) | NE2-L0070 | | ● | | A | | A | | ● | E |
| Prairie Knoll Lake (WMA) (Sec 9-1N-12E, Pawnee County) | NE2-L0080 | | ● | | A | | A | | ● | E |
| Iron Horse Trail Lake (WMA) (Sec 17-1N-12E, Pawnee County) | NE2-L0090 | | ● | | A | | A | | ● | E |
| Pawnee City Lake (Sec 27-2N-11E, Pawnee County) | NE2-L0100 | | ● | | A | | A | | ● | E |
| Tecumseh City Lake (Sec 29-5N-11E, Johnson County) | NE2-L0110 | | ● | | A | | A | | ● | E |
| Osage Lake No. 3 (WMA) (Sec 6-5N-11E, Johnson County) | NE2-L0115 | | ● | | A | | A | | ● | E |

RIVER BASIN: Nemaha

Subbasin: NE2 and NE3

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|-----------------------------------------------------------------|-------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN NE2 (Continued) | | | | | | | | | | |
| Burchard Lake (WMA) (Sec 4-2N-10E, Pawnee County) | NE2-L0120 | | ● | | A | | A | | ● | E |
| Pawnee Prairie Lake No. 3 (WMA) (Sec 20-1N-10E, Pawnee County) | NE2-L0130 | | ● | | A | | A | | ● | E |
| Pawnee Prairie Lake No. 6 (WMA) (Sec 20-1N-10E, Pawnee County) | NE2-L0140 | | ● | | A | | A | | ● | E |
| Pawnee Prairie Lake No. 8 (WMA) (Sec 29-1N-10E, Pawnee County) | NE2-L0150 | | ● | | A | | A | | ● | E |
| Pawnee Prairie Lake No. 10 (WMA) (Sec 20-1N-10E, Pawnee County) | NE2-L0160 | | ● | | A | | A | | ● | E |
| Pawnee Prairie Lake No. 1 (WMA) (Sec 20-1N-10E, Pawnee County) | NE2-L0170 | | ● | | A | | A | | ● | E |
| Pawnee Prairie Lake No. 7 (WMA) (Sec 29-1N-10E, Pawnee County) | NE2-L0180 | | ● | | A | | A | | ● | E |
| Pawnee Prairie Lake No. 9 (WMA) (Sec 20-1N-10E, Pawnee County) | NE2-L0190 | | ● | | A | | A | | ● | E |
| Mayberry Lake (WMA) (Sec 17-3N-10E, Pawnee County) | NE2-L0195 | | ● | | A | | A | | ● | E |
| Site 41-B Lake (Sec 11-6N-9E, Johnson County) | NE2-L0200 | | ● | | A | | A | | ● | E |
| Big Nemaha Lake (27R) (Sec 22-6N-7E, Gage County) | NE2-L0210 | | ● | | A | | A | | ● | E |
| SUBBASIN NE3 | | | | | | | | | | |
| Auburn City Park Lake (Sec 15-5N-14E, Nemaha County) | NE3-L0010 | | ● | | A | | A | | ● | E |
| Gritzka Lake (Talmage) (Sec 36-7N-12E, Otoe County) | NE3-L0020 | | ● | | A | | A | | ● | E |
| Prairie Owl Lake (Sec 27-8N-12E, Otoe County) | NE3-L0030 | | ● | | A | | A | | ● | E |
| Wilson Creek Lake 2X (WMA) (Sec 34-9N-12E, Otoe County) | NE3-L0040 | | ● | | A | | A | | ● | E |
| Wirth Brothers Lake (Site 27) (Sec 29-6N-11E, Johnson County) | NE3-L0045 | | ● | | A | | A | | ● | E |
| Osage Lake No. 1 (WMA) (Sec 6-5N-11E, Johnson County) | NE3-L0050 | | ● | | A | | A | | ● | E |

Effective Date: _____

RIVER BASIN: Niobrara

Subbasin: NI1, NI2, and NI3

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|---------------------------------------------------------------------|------------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN NI1 | | | | | | | | | | |
| Hull Lake (WMA) (Sec 6-33N-13W, Boyd County) | NI1-L0010 | | ● | | A | | A | | ● | W |
| SUBBASIN NI2 | | | | | | | | | | |
| Creighton Rod and Gun Club Lake (Sec 5-28N-6W, Antelope County) | NI2-L0010 | | ● | | A | | A | | ● | W |
| Niobrara State Park Lake No. 1 (Sec 7-32N-6W, Knox County) | NI2-L0020 | A | ● | | A | | A | | ● | W |
| Niobrara State Park Lake No. 2 (Sec 12-32N-7W, Knox County) | NI2-L0030 | A | ● | | A | | A | | ● | W |
| Grove Sandpit Lake (WMA) (Sec 34-28N-7W, Antelope County) | NI2-L0050 | | ● | | A | | A | | ● | W |
| Grove Lake (WMA) (Sec 27-28N-7W, Antelope County) | NI2-L0060 | | ● | B | | | A | | ● | W |
| Spencer Hydro Dam Lake (Sec 30-33N-11W, Holt County) | NI2-L0070 | | ● | | A | | A | ● | ● | W |
| SUBBASIN NI3 | | | | | | | | | | |
| F. Peterson Pond (Sec 15-34N-18W, Keya Paha County) | NI3-L0010 | | ● | | A | | A | | ● | W |
| Keller Park Lake No. 1 (SRA) (Sec 10-31N-21W, Brown County) | NI3-L0020 | | ● | | A | | A | | ● | W |
| Keller Park Lake No. 2 (SRA) (Sec 10-31N-21W, Brown County) | NI3-L0030 | | ● | | A | | A | | ● | W |
| Keller Park Lake No. 3 (SRA) (Sec 9-31N-21W, Brown County) | NI3-L0040 | | ● | | A | | A | | ● | W |
| Keller Park Lake No. 4 (SRA) (Sec 9-31N-21W, Brown County) | NI3-L0050 | | ● | | A | | A | | ● | W |
| Keller Park Lake No. 5 (SRA) (Sec 9-31N-21W, Brown County) | NI3-L0060 | | ● | B | | | A | | ● | W |
| <u>Cozad Lake (South Pine WMA) (Sec 26-28N-21W, Brown County)</u> | <u>NI3-L0063</u> | | ● | | A | | A | | ● | SH |
| <u>Tower Lake (Yellowthroat WMA) (Sec 25-28N-22W, Brown County)</u> | <u>NI3-L0067</u> | | ● | | A | | A | | ● | SH |
| Cub Creek Lake (Sec 16-33N-22W, Keya Paha County) | NI3-L0070 | | ● | | A | | A | | ● | W |
| Williams Pond (Sec 22-30N-23W, Brown County) | NI3-L0080 | | ● | | A | | A | | ● | W |
| Cornell Dam Lake (Sec 27-34N-27W, Cherry County) | NI3-L0090 | | ● | | A | | A | ● | ● | W |

RIVER BASIN: Niobrara

Subbasin: NI3

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|-------------------------------------------------------------------------|-------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN NI3 (Continued) | | | | | | | | | | |
| North Marsh Lake (Valentine NWR) (Sec 32-30N-27W, Cherry County) | NI3-L0100 | A | ● | | A | | A | | ● | SH |
| Middle Marsh Lake (Valentine NWR) (Sec 5-29N-27W, Cherry County) | NI3-L0110 | A | ● | | A | | A | | ● | SH |
| South Marsh Lake (Valentine NWR) (Sec 9-29N-27W, Cherry County) | NI3-L0120 | A | ● | | A | | A | | ● | SH |
| East Twin Lake (Valentine NWR) (Sec 7-29N-27W, Cherry County) | NI3-L0130 | A | ● | | A | | A | | ● | SH |
| Valentine Fish Hatchery Lake (Sec 30-34N-27W, Cherry County) | NI3-L0140 | | ● | | A | | A | | ● | W |
| Calf Camp Marsh (Valentine NWR) (Sec 36-30N-28W, Cherry County) | NI3-L0150 | A | ● | | A | | A | | ● | SH |
| Little Hay Lake (Valentine NWR) (Sec 25-30N-28W, Cherry County) | NI3-L0160 | A | ● | | A | | A | | ● | SH |
| Valentine Mill Pond (Sec 25-34N-28W, Cherry County) | NI3-L0170 | | ● | | A | | A | | ● | W |
| Ballards Marsh (WMA) (Sec 2-30N-28W, Cherry County) | NI3-L0180 | | ● | | A | | A | | ● | SH |
| Twenty-one Lake (Valentine NWR) (Sec 23-29N-27W, Cherry County) | NI3-L0181 | A | ● | | A | | A | | ● | SH |
| Center Lake (Valentine NWR) (Sec 21-29N-27W, Cherry County) | NI3-L0182 | A | ● | | A | | A | | ● | SH |
| Lee Lake (Valentine NWR) (Sec 29-29N-27W, Cherry County) | NI3-L0183 | A | ● | | A | | A | | ● | SH |
| Pony Lake (Valentine NWR) (Sec 17-29N-27W, Cherry County) | NI3-L0184 | A | ● | | A | | A | | ● | SH |
| East Sweetwater Lake (Valentine NWR) (Sec 32-29N-27W, Cherry County) | NI3-L0185 | A | ● | | A | | A | | ● | SH |
| West Twin Lake (Valentine NWR) (Sec 2-29N-28W, Cherry County) | NI3-L0190 | A | ● | | A | | A | | ● | SH |
| Round Lake (Tom's Lake) (Valentine NWR) (Sec 19-29N-27W, Cherry County) | NI3-L0191 | A | ● | | A | | A | | ● | SH |
| Homestead Lake (Valentine NWR) (Sec 23-29N-28W, Cherry County) | NI3-L0192 | A | ● | | A | | A | | ● | SH |
| Campbell Lake (Valentine NWR) (Sec 22-29N-28W, Cherry County) | NI3-L0193 | A | ● | | A | | A | | ● | SH |

Effective Date: _____

RIVER BASIN: Niobrara

Subbasin: NI3

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|---------------------------------------------------------------------------------------|------------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN NI3 (Continued) | | | | | | | | | | |
| Lost Lake (Valentine NWR) (Sec 15-29N-28W, Cherry County) | NI3-L0194 | A | ● | | A | | A | | ● | SH |
| Dad's Lake (Valentine NWR) (Sec 12-29N-29W, Cherry County) | NI3-L0195 | A | ● | | A | | A | | ● | SH |
| Baker Lake (Valentine NWR) (Sec 8-29N-28W, Cherry County) | NI3-L0196 | A | ● | | A | | A | | ● | SH |
| Hackberry Lake (Valentine NWR) (Sec 24-30N-29W, Cherry County) | NI3-L0200 | A | ● | | A | | A | | ● | SH |
| Willow Lake (WMA) (Sec 22-30N-28W, Cherry County) | NI3-L0210 | | ● | | A | | A | | ● | SH |
| Big Alkali Lake (WMA) (Sec 28-31N-28W, Cherry County) | NI3-L0220 | | ● | | A | | A | | ● | SH |
| McKeel Lake (Valentine NWR) (Sec 34-30N-28W, Cherry County) | NI3-L0230 | A | ● | | A | | A | | ● | SH |
| Dewey Lake (Valentine NWR) (Sec 29-30N-28W, Cherry County) | NI3-L0240 | A | ● | | A | | A | | ● | SH |
| School Lake (Valentine NWR) (Sec 33-30N-28W, Cherry County) | NI3-L0250 | A | ● | | A | | A | | ● | SH |
| Clear Lake (Valentine NWR) (Sec 20-30N-28W, Cherry County) | NI3-L0260 | A | ● | | A | | A | | ● | SH |
| Pelican Lake (Valentine NWR) (Sec 36-30N-29W, Cherry County) | NI3-L0270 | A | ● | | A | | A | | ● | SH |
| Whitewater Lake (Valentine NWR) (Sec 31-30N-28W, Cherry County) | NI3-L0280 | A | ● | | A | | A | | ● | SH |
| Watts Lake (Valentine NWR) (Sec 14-30N-29W, Cherry County) | NI3-L0290 | A | ● | | A | | A | | ● | SH |
| West Long Lake (Valentine NWR) (Sec 33-30N-29W, Cherry County) | NI3-L0300 | A | ● | | A | | A | | ● | SH |
| Rice Lake (Valentine NWR) (Sec 21-30N-29W, Cherry County) | NI3-L0310 | A | ● | | A | | A | | ● | SH |
| Duck Lake (Valentine NWR) (Sec 28-30N-29W, Cherry County) | NI3-L0320 | A | ● | | A | | A | | ● | SH |
| Merritt Reservoir (Sec 29-31N-30W, Cherry County) | NI3-L0330 | | ● | | A | | A | | ● | W |
| <u>Lord Lake (Samuel R. McKelvie National Forest) (Sec 10-31N-32W, Cherry County)</u> | <u>NI3-L0335</u> | <u>A</u> | <u>●</u> | | <u>A</u> | | <u>A</u> | | <u>●</u> | <u>SH</u> |

RIVER BASIN: Niobrara

Subbasin: NI3 and NI4

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|-----------------------------------------------------------------|-------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN NI3 (Continued) | | | | | | | | | | |
| Cody Lake (Sec 19-35N-33W, Cherry County) | NI3-L0340 | | ● | | A | | A | | ● | SH |
| Shaup Lake (Sec 33-32N-34W, Cherry County) | NI3-L0350 | | ● | | A | | A | | ● | SH |
| Medicine Lake (Sec 28-32N-35W, Cherry County) | NI3-L0360 | | ● | | A | | A | | ● | SH |
| Round Lake (Sec 6-28N-36W, Cherry County) | NI3-L0370 | | ● | | A | | A | | ● | SH |
| Home Valley Lake (WMA) (Sec 5-28N-37W, Cherry County) | NI3-L0374 | | ● | | A | | A | | ● | SH |
| Cottonwood/Steverson Lake (WMA) (Sec 13-28N-38W, Cherry County) | NI3-L0375 | | ● | | A | | A | | ● | SH |
| Three Corners Lake (Sec 9-28N-38W, Cherry County) | NI3-L0380 | | ● | | A | | A | | ● | SH |
| SUBBASIN NI4 | | | | | | | | | | |
| Cottonwood Lake (SRA) (Sec 21-34N-37W, Cherry County) | NI4-L0010 | | ● | | A | | A | | ● | SH |
| Shell Lake (Sec 16-34N-40W, Cherry County) | NI4-L0020 | | ● | | A | | A | | ● | SH |
| Leistritz-Meyer Lake (Sec 35-26N-44W, Sheridan County) | NI4-L0030 | | ● | | A | | A | | ● | SH |
| Smith Lake (WMA) (Sec 15-28N-44W, Sheridan County) | NI4-L0040 | | ● | | A | | A | | ● | SH |
| Walgren Lake (SRA) (Sec 29-31N-45W, Sheridan County) | NI4-L0050 | | ● | | A | | A | | ● | W |
| Alliance City Laing Lake (Sec 25-25N-48W, Box Butte County) | NI4-L0060 | | ● | | A | | A | | ● | W |
| Box Butte Reservoir (Sec 28-29N-49W, Dawes County) | NI4-L0080 | | ● | | A | | A | | ● | W |
| Kilpatrick Lake (Sec 1-24N-52W, Box Butte County) | NI4-L0090 | | ● | | A | | A | | ● | W |

Effective Date: _____

RIVER BASIN: North Platte

Subbasin: NP1 and NP2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|--------------------------------------------------------------------------|-------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN NP1 | | | | | | | | | | |
| Cody Park Lake (North Platte) (Sec 28-14N-30W, Lincoln County) | NP1-L0010 | | ● | | A | | A | | ● | W |
| North Platte City Lake (Sec 28-14N-30W, Lincoln County) | NP1-L0020 | | ● | | A | | A | | ● | W |
| Lake Ogallala (Sec 34-15N-38E, Keith County) | NP1-L0030 | | ● | B* | | | A | | ● | W |
| SUBBASIN NP2 | | | | | | | | | | |
| Lake C.W. McConaughy (Sec 33-15N-38W, Keith County) | NP2-L0010 | | ● | B | | | A | ● | ● | W |
| Camp Valley Lake (Crescent Lake NWR) (Sec 21-20N-43W, Garden County) | NP2-L0020 | A | ● | | A | | A | | ● | SH |
| Phillips Flats Lake (Crescent Lake NWR) (Sec 12-20N-43W, Garden County) | NP2-L0030 | A | ● | | A | | A | | ● | SH |
| Upper East Jones Lake (Crescent Lake NWR) (Sec 1-20N-43W, Garden County) | NP2-L0040 | A | ● | | A | | A | | ● | SH |
| Lower West Jones Lake (Crescent Lake NWR) (Sec 2-20N-43W, Garden County) | NP2-L0050 | A | ● | | A | | A | | ● | SH |
| Swede Lake (Crescent Lake NWR) (Sec 7-20N-43W, Garden County) | NP2-L0060 | A | ● | | A | | A | | ● | SH |
| Deer Lake (Crescent Lake NWR) (Sec 5-20N-43W, Garden County) | NP2-L0070 | A | ● | | A | | A | | ● | SH |
| Christ Lake (Crescent Lake NWR) (Sec 2-20N-44W, Garden County) | NP2-L0080 | A | ● | | A | | A | | ● | SH |
| Crane Lake (Crescent Lake NWR) (Sec 10-20N-44W, Garden County) | NP2-L0090 | A | ● | | A | | A | | ● | SH |
| Crescent Lake (Sec 17-20N-44W, Garden County) | NP2-L0095 | | ● | | A | | A | | ● | SH |
| Hackberry Lake (Crescent Lake NWR) (Sec 6-20N-44W, Garden County) | NP2-L0100 | A | ● | | A | | A | | ● | SH |
| Island Lake (Crescent Lake NWR) (Sec 4-20N-44W, Garden County) | NP2-L0110 | A | ● | | A | | A | | ● | SH |
| Shafer Lake (Crescent Lake NWR) (Sec 25-21N-44W, Garden County) | NP2-L0120 | A | ● | | A | | A | | ● | SH |
| Roundup Lake (Crescent Lake NWR) (Sec 33-21N-44W, Garden County) | NP2-L0130 | A | ● | | A | | A | | ● | SH |
| Mallard Arm (Crescent Lake NWR) (Sec 33-21N-44W, Garden County) | NP2-L0140 | A | ● | | A | | A | | ● | SH |

* Site-specific water quality criteria for dissolved oxygen are assigned (see Chapter 4, 003.02B).

RIVER BASIN: North Platte

Subbasin: NP2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|---------------------------------------------------------------------------|-------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN NP2 (continued) | | | | | | | | | | |
| Blue Lake (Crescent Lake NWR) (Sec 18-20N-44W, Garden County) | NP2-L0150 | A | ● | | A | | A | | ● | SH |
| Duck Slough (Crescent Lake NWR) (Sec 13-20N-45W, Garden County) | NP2-L0160 | A | ● | | A | | A | | ● | SH |
| Gimlet Lake (Crescent Lake NWR) (Sec 32-21N-44W, Garden County) | NP2-L0170 | A | ● | | A | | A | | ● | SH |
| Goose Lake (Crescent Lake NWR) (Sec 20-21N-44W, Garden County) | NP2-L0180 | A | ● | | A | | A | | ● | SH |
| West Jones Lake (Crescent Lake NWR) (Sec 11-20N-45W, Garden County) | NP2-L0190 | A | ● | | A | | A | | ● | SH |
| Swan Lake (Crescent Lake NWR) (Sec 10-20N-45W, Garden County) | NP2-L0200 | A | ● | | A | | A | | ● | SH |
| Boyd Pond (Crescent Lake NWR) (Sec 25-21N-45W, Garden County) | NP2-L0210 | A | ● | | A | | A | | ● | SH |
| Lost Lake (Crescent Lake NWR) (Sec 12-21N-45W, Garden County) | NP2-L0220 | A | ● | | A | | A | | ● | SH |
| Lower Harrison Lake (Crescent Lake NWR) (Sec 34-21N-45W, Garden County) | NP2-L0230 | A | ● | | A | | A | | ● | SH |
| Upper Harrison Lake (Crescent Lake NWR) (Sec 34-21N-45W, Garden County) | NP2-L0240 | A | ● | | A | | A | | ● | SH |
| Redhead Lake (Crescent Lake NWR) (Sec 27-21N-45W, Garden County) | NP2-L0250 | A | ● | | A | | A | | ● | SH |
| Perrin Lake (Crescent Lake NWR) (Sec 27-21N-45W, Garden County) | NP2-L0260 | A | ● | | A | | A | | ● | SH |
| Tree Claim Lake (Crescent Lake NWR) (Sec 23-21N-45W, Garden County) | NP2-L0270 | A | ● | | A | | A | | ● | SH |
| Upper Tree Claim Lake (Crescent Lake NWR) (Sec 14-21N-45W, Garden County) | NP2-L0280 | A | ● | | A | | A | | ● | SH |
| Smith Lake (Crescent Lake NWR) (Sec 15-21N-45W, Garden County) | NP2-L0290 | A | ● | | A | | A | | ● | SH |
| Border Lake (Crescent Lake NWR) (Sec 15-21N-45W, Garden County) | NP2-L0300 | A | ● | | A | | A | | ● | SH |
| Ramelli Lake (Crescent Lake NWR) (Sec 10-21N-45W, Garden County) | NP2-L0310 | A | ● | | A | | A | | ● | SH |
| Martin Lake (Crescent Lake NWR) (Sec 3-21N-45W, Garden County) | NP2-L0320 | A | ● | | A | | A | | ● | SH |

Effective Date: _____

RIVER BASIN: North Platte

Subbasin: NP3

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|------------------------------------------------------------------------------------|------------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN NP3 | | | | | | | | | | |
| Bridgeport Southeast Lake (SRA) (Sec 29-20N-50W, Morrill County) | NP3-L0010 | | ● | | A | | A | | ● | W |
| Bridgeport Northeast Lake (SRA) (Sec 29-20N-50W, Morrill County) | NP3-L0020 | | ● | | A | | A | | ● | W |
| Bridgeport Middle Lake (SRA) (Sec 29-20N-50W, Morrill County) | NP3-L0030 | | ● | | A | | A | | ● | W |
| Bridgeport Southwest Lake (SRA) (Sec 29-20N-50W, Morrill County) | NP3-L0040 | | ● | | A | | A | | ● | W |
| Bridgeport Northwest Lake (SRA) (Sec 29-20N-50W, Morrill County) | NP3-L0050 | | ● | B | | | A | | ● | W |
| Lake Minatare (North Platte NWR) (Sec 29-23N-53W, Scotts Bluff County) | NP3-L0060 | A | ● | | A | | A | | ● | W |
| Winters Creek Lake (North Platte NWR) (Sec 24-23N-54W, Scotts Bluff County) | NP3-L0070 | A | ● | | A | | A | | ● | W |
| Cochran Lake (Sec 26-21N-54W, Scotts Bluff County) | NP3-L0080 | | ● | | A | | A | | ● | W |
| Little Lake Alice (No. 2) (North Platte NWR) (Sec 15-23N-54W, Scotts Bluff County) | NP3-L0090 | A | ● | | A | | A | | ● | W |
| Buffalo Springs Lake (WMA) (Sec 19-20N-54W, Banner County) | NP3-L0100 | | ● | | A | | A | | ● | W |
| Lake Alice (North Platte NWR) (Sec 8-23N-54W, Scotts Bluff County) | NP3-L0110 | A | ● | | A | | A | | ● | W |
| Terry's Pit Lake (Sec 26-22N-55W, Scotts Bluff County) | NP3-L0120 | | ● | | A | | A | | ● | W |
| University Lake (Sec 29-24N-55W, Sioux County) | NP3-L0130 | | ● | | A | | A | | ● | W |
| <u>South Morrill Sandpit (Sec 28-23N-57W, Scotts Bluff County)</u> | <u>NP3-L0140</u> | | <u>●</u> | | <u>A</u> | | <u>A</u> | | <u>●</u> | <u>W</u> |
| <u>Middle Morrill Sandpit (Sec 28-23N-57W, Scotts Bluff County)</u> | <u>NP3-L0150</u> | | <u>●</u> | | <u>A</u> | | <u>A</u> | | <u>●</u> | <u>W</u> |
| <u>North Morrill Sandpit (Sec 28-23N-57W, Scotts Bluff County)</u> | <u>NP3-L0160</u> | | <u>●</u> | | <u>A</u> | | <u>A</u> | | <u>●</u> | <u>W</u> |

RIVER BASIN: Republican

Subbasin: RE1, RE2, and RE3

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|-------------------------------------------------------------------------------|-------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN RE1 | | | | | | | | | | |
| Big Indian Pond (WMA) (Sec 11-1N-11W, Webster County) | RE1-L0005 | | ● | | A | | A | | ● | W |
| Sacramento-Wilcox Lake No. 1 (WMA) (Sec 22-5N-17W, Phelps County) | RE1-L0010 | | ● | | A | | A | | ● | W |
| Sacramento-Wilcox Lake No. 2 (WMA) (Sec 22-5N-17W, Phelps County) | RE1-L0020 | | ● | | A | | A | | ● | W |
| Sacramento-Wilcox Lake No. 3 (WMA) (Sec 28-5N-17W, Phelps County) | RE1-L0030 | | ● | | A | | A | | ● | W |
| Holdrege Park Lake (Sec 33-6N-18W, Phelps County) | RE1-L0040 | | ● | | A | | A | | ● | W |
| Limestone Bluffs Lake (WMA) (Sec 34-1N-14W, Franklin County) | RE1-L0050 | | ● | | A | | A | | ● | W |
| SUBBASIN RE2 | | | | | | | | | | |
| Harlan County Reservoir (Sec 11-1N-17W, Harlan County) | RE2-L0010 | | ● | | A | | A | | ● | W |
| Oxford City Lake (Sec 12-3N-21W, Furnas County) | RE2-L0020 | | ● | | A | | A | | ● | W |
| SUBBASIN RE3 | | | | | | | | | | |
| Harry Strunk Lake (Medicine Creek Reservoir) (Sec 24-5N-26W, Frontier County) | RE3-L0010 | | ● | | A | | A | | ● | W |
| Bartley Diversion Dam Lake (WMA) (Sec 17-3N-27W, Red Willow County) | RE3-L0020 | | ● | | A | | A | | ● | W |
| Curtis City Pond (Sec 28-8N-28W, Frontier County) | RE3-L0030 | | ● | | A | | A | | ● | W |
| Red Willow Diversion Dam Lake (WMA) (Sec 25-4N-29W, Red Willow County) | RE3-L0040 | | ● | | A | | A | | ● | W |
| Barnett Park Lake (McCook) (Sec 32-3N-29W, Red Willow County) | RE3-L0050 | | ● | | A | | A | | ● | W |
| Hugh Butler Lake (Red Willow Reservoir) (Sec 36-5N-30W, Frontier County) | RE3-L0060 | | ● | | A | | A | | ● | W |
| Wellfleet Lake (Sec 16-9N-30W, Lincoln County) | RE3-L0070 | | ● | | A | | A | | ● | W |
| Camp Hayes Lake (WMA) (Sec 11-7N-32W, Hayes County) | RE3-L0080 | | ● | | A | | A | | ● | W |
| Frenchman West Lake (WMA) (Sec 31-5N-33W, Hayes County) | RE3-L0084 | | ● | | A | | A | | ● | W |
| Frenchman Middle Lake (WMA) (Sec 32-5N-33W, Hayes County) | RE3-L0085 | | ● | | A | | A | | ● | W |
| Frenchman East Lake (WMA) (Sec 32-5N-33W, Hayes County) | RE3-L0086 | | ● | | A | | A | | ● | W |

Effective Date: _____

RIVER BASIN: Republican

Subbasin: RE3

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|--------------------------------------------------------|-------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN RE3 (continued) | | | | | | | | | | |
| Swanson Reservoir (Sec 8-2N-33W, Hitchcock County) | RE3-L0090 | | ● | | A | | A | | ● | W |
| Enders Reservoir (Sec 4-5N-37W, Chase County) | RE3-L0100 | | ● | | A | | A | | ● | W |
| Champion Mill Pond (SRA) (Sec 21-6N-39W, Chase County) | RE3-L0110 | | ● | | A | | A | | ● | W |
| Rock Creek Lake (SRA) (Sec 31-2N-39W, Dundy County) | RE3-L0120 | | ● | B | | | A | | ● | W |

RIVER BASIN: South Platte

Subbasin: SP1 and SP2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|----------------------------------------------------------------|-------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN SP1 | | | | | | | | | | |
| Interstate Lake (North Platte) (Sec 9-13N-30W, Lincoln County) | SP1-L0010 | | ● | | A | | A | | ● | W |
| Lake Maloney (Sec 6-12N-30W, Lincoln County) | SP1-L0020 | | ● | | A | | A | | ● | W |
| Birdwood Lake (WMA) (Sec 11-13N-31W, Lincoln County) | SP1-L0030 | | ● | | A | | A | | ● | W |
| East Hershey Lake (WMA) (Sec 5-13N-31W, Lincoln County) | SP1-L0040 | | ● | | A | | A | | ● | W |
| Hershey Lake (WMA) (Sec 33-14N-32W, Lincoln County) | SP1-L0050 | | ● | | A | | A | | ● | W |
| West Hershey Lake (WMA) (Sec 32-14N-32W, Lincoln County) | SP1-L0060 | | ● | | A | | A | | ● | W |
| East Sutherland Lake (WMA) (Sec 36-14N-33W, Lincoln County) | SP1-L0070 | | ● | | A | | A | | ● | W |
| Sutherland Reservoir (Sec 7-13N-33W, Lincoln County) | SP1-L0080 | | ● | | A | | A | ● | ● | W |
| Ogallala City Park Lake (Sec 5-13N-38W, Keith County) | SP1-L0090 | | ● | | A | | A | | ● | W |
| Big Springs Community Lake (Sec 30-13N-41W, Deuel County) | SP1-L0095 | | ● | | A | | A | | ● | W |
| Goldeneye Pond (WMA) (Sec 4-12N-42W, Deuel County) | SP1-L0100 | | ● | | A | | A | | ● | W |
| SUBBASIN SP2 | | | | | | | | | | |
| Chappell Interstate Lake (Sec 22-13N-45W, Deuel County) | SP2-L0010 | | ● | | A | | A | | ● | W |
| Oliver Reservoir (Sec 36-15N-57W, Kimball County) | SP2-L0030 | | ● | B | | | A | | ● | W |

Effective Date: _____

RIVER BASIN: White River - Hat Creek

Subbasin: WH1

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|--------------------------------------------------------------------------------------|-------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN WH1 | | | | | | | | | | |
| Isham Lake (Sec 18-34N-46W, Sheridan County) | WH1-L0010 | | ● | | A | | A | | ● | W |
| Chadron City Reservoir South (Sec 18-32N-48W, Dawes County) | WH1-L0020 | | ● | B | | | A | | ● | W |
| Chadron City Reservoir North (Sec 18-32N-48W, Dawes County) | WH1-L0030 | | ● | B | | | A | | ● | W |
| Chadron State Park Pond (Sec 36-32N-49W, Dawes County) | WH1-L0040 | A | ● | B | | | A | | ● | W |
| Snus Lake (Sec 17-32N-50W, Dawes County) | WH1-L0050 | | ● | | A | | A | | ● | W |
| Whitney Reservoir (Sec 34-33N-51W, Dawes County) | WH1-L0060 | | ● | | A | | A | | ● | W |
| Dodd Dam Lake (Sec 36-31N-52W, Dawes County) | WH1-L0070 | | ● | B | | | A | | ● | W |
| Rock Bass Dam Lake (Sec 25-33N-52W, Dawes County) | WH1-L0080 | | ● | | A | | A | | ● | W |
| Lake Crawford (Ft. Robinson State Park) (Sec 15-31N-52W, Dawes County) | WH1-L0090 | A | ● | | A | | A | | ● | W |
| Cherry Creek Pond (Ft. Robinson State Park) (Sec 17-31N-52W, Dawes County) | WH1-L0100 | A | ● | B | | | A | | ● | W |
| Cherry Creek Diversion Pond (Ft. Robinson State Park) (Sec 16-31N-52W, Dawes County) | WH1-L0105 | A | ● | | A | | A | | ● | W |
| Lower Ice House Pond (Ft. Robinson State Park) (Sec 19-31N-52W, Dawes County) | WH1-L0110 | A | ● | | A | | A | | ● | W |
| Ice House Diversion Pond (Ft. Robinson State Park) (Sec 19-31N-52W, Dawes County) | WH1-L0120 | A | ● | B | | | A | | ● | W |
| Upper Ice House Pond (Ft. Robinson State Park) (Sec 19-31N-52W, Dawes County) | WH1-L0130 | A | ● | | A | | A | | ● | W |
| Grabel Pond No. 1 (Ft. Robinson State Park) (Sec 21-31N-52W, Dawes County) | WH1-L0140 | A | ● | B | | | A | | ● | W |
| Grabel Pond No. 2 (Ft. Robinson State Park) (Sec 21-31N-52W, Dawes County) | WH1-L0150 | A | ● | B | | | A | | ● | W |
| Grabel Pond No. 3 (Ft. Robinson State Park) (Sec 16-31N-52W, Dawes County) | WH1-L0160 | A | ● | B | | | A | | ● | W |
| Grabel Pond No. 5 (Ft. Robinson State Park) (Sec 16-31N-52W, Dawes County) | WH1-L0170 | A | ● | B | | | A | | ● | W |

RIVER BASIN: White River - Hat Creek

Subbasin: WH1 and WH2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | NUTRIENT CLASSIFICATION | |
|---------------------------------------------------------------------------------|-------------|----------------------|------------|--------------|-----------|-----------------------|--------------|------------|-------------------------|------------|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | | |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | | AESTHETICS |
| SUBBASIN WH1 (Continued) | | | | | | | | | | |
| Boardgate Pond (Sec 19-34N-52W, Dawes County) | WH1-L0180 | | ● | | A | | A | | ● | W |
| Crazy Horse Lake (Ft. Robinson State Park) (Sec 11-31N-53W, Sioux County) | WH1-L0190 | A | ● | | A | | A | | ● | W |
| Lake Carter P. Johnson (Ft. Robinson State Park) (Sec 10-31N-53W, Sioux County) | WH1-L0200 | A | ● | B | | | A | | ● | W |
| Beaver Dam Pond (Sec 29-33N-53W, Sioux County) | WH1-L0210 | | ● | B | | | A | | ● | W |
| SUBBASIN WH2 | | | | | | | | | | |
| Round Top Pond (Sec 17-33N-53W, Sioux County) | WH2-L0005 | | ● | | A | | A | | ● | W |
| Lundy Pond (Sec 8-32N-55W, Sioux County) | WH2-L0010 | | ● | | A | | A | | ● | W |
| Agate Pond (Sec 1-34N-53W, Sioux County) | WH2-L0020 | | ● | | A | | A | | ● | W |
| Meng Lake (Sec 32-35N-53W, Sioux County) | WH2-L0030 | | ● | | A | | A | | ● | W |
| Gilbert-Baker Pond (WMA)(Sec 5-32N-56W, Sioux County) | WH2-L0040 | | ● | B | | | A | | ● | W |

Title 117

Chapter 6

Enabling Legislation: Neb. Rev. Stat. §81-1505(1)(2)

Legal Citation: Title 117, Ch. 6, Nebraska Department of Environmental Quality

NEBRASKA ADMINISTRATIVE CODE

Title 117 - NEBRASKA DEPARTMENT OF ENVIRONMENTAL QUALITY

Chapter 7 - WATER QUALITY STANDARDS FOR WETLANDS

001 Wetlands serve a multitude of important functions which include, but are not limited to, providing habitat for aquatic life and other wildlife, food production, stormwater control and flood attenuation, erosion control, shoreline stabilization, nonpoint source runoff filtration, groundwater recharge, and aesthetics. Wetlands are characterized by extreme variations in hydrology, soils, vegetation, water quality, and biotic assemblages. The dynamic nature of wetlands requires standards which recognize their variability of natural water quality both through time at individual sites and between sites across the State. Wetland classifications, beneficial uses, and water quality criteria contained in this chapter reflect the unique characteristics of wetlands in Nebraska.

002 Application of Standards to Wetlands.

002.01 These standards ~~shall~~ apply to all natural wetlands and all artificial wetlands except as provided in paragraph 002.02. Numerical criteria which rely on water in order to be measured, ~~shall~~will not be deemed applicable during periods when water is not present.

002.02 These standards ~~shall~~do not apply to artificial wetlands constructed for the purpose of wastewater treatment, wastewater retention, or irrigation reuse. However, any discharge to surface waters from artificial wetlands constructed for these purposes ~~shall~~is to meet the applicable standards for the receiving water.

002.03 Wastewater from domestic, municipal, or industrial sources authorized by NPDES permits to discharge to wetlands ~~shall~~are to meet all applicable standards for the wetland. No mixing zones ~~shall~~will be allowed within wetlands.

003 Wetland Classifications

Wetlands are classified into two categories based on hydrological characteristics which affect the attainable beneficial uses. For purposes of these standards, the two general classifications are surface-water overflow wetlands and isolated wetlands. Within each classification, specific wetland complexes and individual wetlands may be identified by their physical, chemical, and biological characteristics and functional values. Wetlands are defined in Chapter 1. Wetlands are identified and delineated using methods contained in the “Corps of Engineers Wetlands Delineation Manual,” Technical Report Y-87-1, U.S. Army Engineer Waterway Experiment Station, Vicksburg, MS.

003.01 Surface-Water Overflow Wetlands.

These are wetlands which exhibit a surface water connection to an adjacent stream or lake on a regular or periodic basis. These wetlands have the potential to provide beneficial uses identical to those of the adjacent stream or lake in addition to the beneficial uses recognized for wetlands (paragraph 004). These wetlands ~~shall~~will be protected for the beneficial uses of the adjacent stream or lake as assigned in Chapters 5 or 6 in addition to those identified for wetlands. Water quality criteria associated with assigned beneficial uses of adjacent waterbodies (Chapter 4) ~~shall~~ apply to surface-water overflow wetlands in addition to criteria associated with wetland beneficial uses. When numerical criteria associated with wetland aquatic life beneficial uses differ with aquatic life criteria associated with the adjacent stream or lake, the more stringent criteria ~~shall~~ apply.

003.02 Isolated Wetlands.

These are wetlands which have no regular or periodic surface water connection to an adjacent stream or lake. The source of water for these wetlands may be either ground water or surface runoff. These wetlands ~~shall~~will be protected for the beneficial uses recognized for wetlands (paragraph 004). Water quality criteria associated with wetland beneficial uses ~~shall~~ apply to isolated wetlands.

004 Beneficial Uses

Beneficial uses are assigned to wetlands within or bordering upon the State of Nebraska. Assigned beneficial uses are protected by the narrative and numerical water quality criteria listed or referenced in this chapter. Additionally, assigned and existing beneficial uses are protected by

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Chapter 7

the Antidegradation Clause in Chapter 3. Some uses require higher quality water than others. When multiple uses are assigned to the same wetland, all assigned uses will be protected.

Beneficial uses assigned to all wetlands are:

Aquatic Life

Wildlife

Agricultural Water Supply

Aesthetics

These uses are not intended in any way to conflict with the quantitative beneficial uses provided for in Neb. Rev. Stat., Ch 46, regulating irrigation or the authority of the Nebraska Department of Natural Resources.

004.01 Aquatic Life

Wetlands assigned this beneficial use provide, or could provide, habitat capable of supporting aquatic biota on a regular or periodic basis. Aquatic biota are life forms which require water to fulfill basic life functions such as reproduction, growth, and development. Examples of aquatic biota include, but are not limited to, fish, macroinvertebrates, amphibians, and hydrophytic vegetation.

004.01A General Criteria

Water quality criteria are established to protect assigned beneficial uses. However, traditional water quality parameters in wetlands such as pH, temperature, dissolved oxygen, ammonia, chloride, and conductivity may naturally vary outside accepted ranges for other surface waters. Water quality criteria for specific wetlands or wetland complexes, except numerical criteria for toxic substances (paragraph 004.01C1), petroleum oil (paragraph 004.01D), and residual chlorine (paragraph 004.01F), ~~shall are to~~ be based on natural background values for traditional water quality parameters. However, these criteria ~~shall are to~~ be no more stringent than those associated with the Class B Warmwater Aquatic Life classification or the General Criteria for Aquatic Life of Chapter 4, Paragraphs 003.01A, 003.01B, 003.01G, and 003.04B.

004.01B Biological Criteria

The biological integrity of wetlands ~~shall~~ is to be maintained and protected. Any human activity causing water pollution which would significantly degrade the biological integrity of wetlands is a violation of these Standards. Upland soil and water conservation practices or normal farming, silviculture, and ranching activities involving tilling, seeding, cultivating, harvesting, and grazing for the production of food, fiber, and forest products, ~~shall~~ will not be considered to cause significant degradation of biological integrity in wetlands. However, the criteria in section 004.01C for toxic substances are applicable to wetlands where such toxic substances are the result of activities listed within this subsection.

004.01B1 Any human activity causing water pollution which would cause a significant adverse impact to an identified “key species” is a violation of these Standards.

004.01B1a Key Species

Key aquatic species are identified endangered or threatened species. The following list defines the aquatic species considered by the Department to be key species. In addition to this list, any key species listed in Chapter 5 for a waterbody adjacent to a surface-water overflow wetland will be considered a key species for the wetland.

| <u>COMMON NAME</u> | <u>SCIENTIFIC NAME</u> |
|--------------------------------|------------------------------------------------------|
| <u>Endangered Species</u> | |
| Saltwort | <i>Salicornia rubra</i> |
| Colorado Butterfly Plant | <i>Gaura neomexicana</i> <i>ssp. coloradensis</i> |
| <u>Threatened Species:</u> | |
| Western Prairie Fringed Orchid | <i>Platanthera praeclara</i> |
| Ute Lady Tresses | <i>Spiranthes diluvialis</i> |
| <u>Ute Ladies’-tresses</u> | |
| Small White Lady’s Slipper | <i>Cypripedium candidum</i> |

004.01C Toxic Substances

Wetlands ~~shall~~are to be free from toxic substances, alone or in combination with other substances, in concentrations that result in acute or chronic toxicity to aquatic life, except as specified in Chapter 2. Toxic substances ~~shall~~are not to be present in concentrations that result in bioaccumulation or biomagnification in aquatic organisms which renders them unsuitable or unsafe for consumption.

004.01C1 The following numerical criteria for the protection of aquatic life and their uses ~~shall~~are not to be exceeded. Unless otherwise noted, criteria are based on total concentrations.

| <u>POLLUTANT</u> | <u>CRITERIA (ug<u>ug/L</u>)</u> | | <u>CAS No.*</u> |
|--------------------------------------------------|--------------------------------------------|-----------------------------------------------------------------|-----------------|
| | <u>Acute</u> | <u>Chronic</u> | |
| <u>Pesticides:</u> | | | |
| Acrolein | 3 ^c | 3 ^d | 107-02-8 |
| Alachlor | 760 ^c | 76 ^d | 15972-60-8 |
| Aldrin | 3.0 ^a | 0.0005 ^{b,e} <u>0.000077</u> ^{b,e} | 309-00-2 |
| Atrazine | 330 ^c | 12 ^d | 1912-24-9 |
| BHC ⁺ | 100 ^a | 0.414 ^{b,e} <u>0.1</u> ^{b,e} | 608-73-1 |
| <u>Hexachlorocyclohexane</u> | | | |
| <u>(HCH)-Technical</u> | | | |
| Alpha-BHC | (Reserved) | 0.049 ^{b,e} <u>0.0039</u> ^{b,e} | 319-84-6 |
| <u>alpha-Hexachlorocyclohexane</u> | | | |
| <u>(HCH)</u> | | | |
| Beta-BHC | (Reserved) | 0.17 ^{b,e} <u>0.14</u> ^{b,e} | 319-85-7 |
| <u>beta-Hexachlorocyclohexane (HCH)</u> | | | |
| Carbaryl | 2.1 | 2.1 | 63-25-2 |
| Chlordane | 2.4 ^a | 0.0043 ^b <u>0.0032</u> ^{b,e} | 57-74-9 |
| Chlorpyrifos | 0.083 ^c | 0.041 ^d | 2921-88-2 |
| DCPA ^{3,1} | (Reserved) | 14,300 ^d | 1861-32-1 |
| p,p'-Dichlorodiphenyltrichloroethane | 1.1 ^a | 0.001 ^b <u>0.0003</u> ^{b,e} | 50-29-3 |
| <u>or DDT</u> ⁴ | | | |
| p,p'-Dichlorodiphenyldichloroethylene | 1050 ^a | 0.0022 ^{b,e} <u>0.00018</u> ^{b,e} | 72-55-9 |
| <u>or DDT metabolite (DDE)</u> | | | |
| p,p'-Dichlorodiphenyldichloroethane | 0.6 ^a | 0.0031 ^{b,e} <u>0.0012</u> ^{b,e} | 72-54-8 |
| <u>or DDT metabolite (TDE, DDD)</u> | | | |

| POLLUTANT | CRITERIA ($\mu\text{g}/\mu\text{g/L}$) | | CAS No.* |
|------------------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------------------------|----------------|
| | Acute | Chronic | |
| Demeton | (Reserved) | 0.1 ^b | 8065-48-3 |
| Diazinon | 0.17 ^c | 0.17 ^d | 333-41-5 |
| Dieldrin | 0.24 ^a | 0.00054 ^{b,e} <u>0.000012</u> ^{b,e} | 60-57-1 |
| Dioxin ⁵² | < 0.01 ^a | 0.000000051 ^{b,e} | 1746-01-6 |
| Alpha alpha-Endosulfan | 0.22 ^a | 0.056 ^b | 959-98-8 |
| Beta beta-Endosulfan | 0.22 ^a | 0.056 ^b | 33213-65-9 |
| Endosulfan sulfate | (Reserved) | 89 ^{b,f} <u>40</u> ^{b,f} | 1031-07-8 |
| Endrin | 0.086 ^a | 0.036 ^b <u>0.03</u> ^{b,f} | 72-20-8 |
| Endrin aldehyde | (Reserved) | 0.30 ^{b,f} <u>1.0</u> ^{b,f} | 7421-93-4 |
| Guthion | (Reserved) | 0.01 ^b | 86-50-0 |
| Heptachlor | 0.52 ^a | 0.00079 ^{b,e} <u>0.000059</u> ^{b,e} | 76-44-8 |
| Heptachlor epoxide | 0.52 ^a | 0.00039 ^{b,e} <u>0.00032</u> ^{b,e} | 1024-57-3 |
| Isophorone | 117,000 ^a | 9,600 ^{b,e} <u>18,000</u> ^{b,e} | 78-59-1 |
| <u>gamma-Hexachlorocyclohexane (HCH) or Lindane</u> ² | 0.95 ^a | 0.16 ^b | 58-89-9 |
| Malathion | (Reserved) | 0.1 ^b | 121-75-5 |
| Methoxychlor | (Reserved) | 0.03 ^b <u>0.02</u> ^{b,f} | 72-43-5 |
| Metolachlor | 390 ^c | 100 ^d | 51218-45-2 |
| Metribuzin | (Reserved) | 100 ^d | 21087-64-9 |
| Mirex | (Reserved) | 0.001 ^d | 2385-85-5 |
| Parathion | 0.065 ^c | 0.013 ^d | 56-38-2 |
| Pentachlorophenol | ^e (1.005(pH)-4.869) ^c | ^e(1.005(pH)-5.134) ^d <u>0.4</u> ^{b,e} | 87-86-5 |
| Propachlor | (Reserved) | 8.0 ^d | 1918-16-7 |
| Toxaphene | 0.73 ^c | 0.0002 ^d | 8001-35-2 |
| Tributyltin (TBT) | 0.46 ^c | 0.072 ^d | ..... |
| <u>Chlorphenoxy Herbicide (2,4-D)</u> | <u>Reserved</u> | <u>12,000</u> ^{b,f} | <u>94-75-7</u> |
| <u>Chlorphenoxy Herbicide (2,4,5-TP) [Silvex]</u> | <u>Reserved</u> | <u>400</u> ^{b,f} | <u>93-72-1</u> |
| <u>Metals and Inorganics</u> ⁶³ : | | | |
| Aluminum | 750 ^c | 87 ^d | 7429-90-5 |
| Antimony | 88 ^c | 30 ^d | 7440-36-0 |
| Arsenic | 340 ^c | 16.7 ^{b,e} | 7440-38-2 |
| Beryllium | 130 ^a | 5.3 ^d | 7440-41-7 |

| POLLUTANT | CRITERIA (ug 4 ug /L) | | CAS No.* |
|------------------------|----------------------------------------------------------|----------------------------------------------------------|------------|
| | Acute | Chronic | |
| Cadmium ⁷⁴ | (ACF)e ^(0.9789[lnhardness]-3.421) c | (CCF)e ^(0.7977[lnhardness]-3.909) d | 7440-43-9 |
| | (ACF)e^(1.0166[lnhardness]-2.849) e | (CCF)e^(0.7409[lnhardness]-4.719) d | |
| Chromium (III) | (0.316)e ^(0.819[lnhardness]+3.764) c | (0.860)e ^(0.819[lnhardness]+0.724) d | 16065-83-1 |
| Chromium (VI) | 16 ^c | 11 ^d | 18540-29-9 |
| Copper | (0.960)e ^(0.9422[lnhardness]-1.700) c | (0.960)e ^(0.8545[lnhardness]-1.702) d | 7440-50-8 |
| Cyanide | 41.3 ^c | 9.8 ^d | 57-12-5 |
| Iron | (Reserved) | 1,000 ^b | 7439-89-6 |
| Lead ⁸⁵ | (CF)e ^(1.273[lnhardness]-1.460) c | (CF)e ^(1.273[lnhardness]-4.705) d | 7439-92-1 |
| Manganese | (Reserved) | 1,000 ^{b,e} | 7439-96-5 |
| Mercury ⁹⁶ | 1.4 ^c | 0.77 ^d | 7439-97-6 |
| Nickel | (0.998)e ^(0.846[lnhardness]+2.255) c | (0.997)e ^(0.846[lnhardness]+0.0584) d | 7440-02-0 |
| Selenium ¹⁰ | 20^eSee 004.01C3 | 5.0^d | 7782-49-2 |
| Silver | (0.85)e ^(1.72[lnhardness]-6.59) c | (Reserved) | 7440-22-4 |
| Thallium | 1,400 ^a | 0.47 ^{b,f} | 7440-28-0 |
| Zinc | (0.978)e ^(0.8473[lnhardness]+0.884) c | (0.986)e ^(0.8473[lnhardness]+0.884) d | 7440-66-6 |

PCBs and Related Compounds:

| | | | |
|--------------------------|--------------------|------------------------|-------|
| PCBs | 2.0 ^a | 0.00064 ^{b,e} | ..... |
| Chlorinated Naphthalenes | 1,600 ^a | 43,000 ^{b,e} | ..... |

Halogenated Aliphatics:

| | | | |
|----------------------|----------------------|------------------------------------------------------|----------|
| Halomethanes | 11,000 ^a | 157 ^{b,e} | ..... |
| Bromoform | (Reserved) | 1400^{b,e} 1,200 ^{b,e} | 75-25-2 |
| Methyl bromide | (Reserved) | 1,500^{b,f} 10,000 ^{b,f} | 74-83-9 |
| Chloroform | 28,900 ^a | 1,240 ^b | 67-66-3 |
| Carbon tetrachloride | 35,200 ^a | 16^{b,e} 50 ^{b,e} | 56-23-5 |
| Methylene chloride | (Reserved) | 5,900^{b,e} 3,000 ^{b,f} | 75-09-2 |
| 1,2-dichloroethane | 118,000 ^a | 370^{b,e} 6,500 ^{b,e} | 107-06-2 |
| Hexachloroethane | 980 ^a | 33^{b,e} 0.8 ^{b,f} | 67-72-1 |
| Pentachloroethane | 7,240 ^a | 1,100 ^b | 76-01-7 |

| POLLUTANT | CRITERIA ($\mu\text{g}/\mu\text{g}/\text{L}$) | | CAS No.* |
|------------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------------------------|----------------|
| | Acute | Chronic | |
| Trichlorinated ethanes | 18,000 ^a | (Reserved) | 25323-89-1 |
| <u>1,1,1-trichloroethane</u> | <u>(Reserved)</u> | <u>200,000^{b,f}</u> | <u>71-55-6</u> |
| 1,1,2-trichloroethane | (Reserved) | <u>160^{b,e}89^{b,e}</u> | 79-00-5 |
| Tetrachloroethanes | 9,320 ^a | (Reserved) | 25322-20-7 |
| 1,1,2,2-tetrachloroethane | (Reserved) | <u>40^{b,e}30^{b,e}</u> | 79-34-5 |
| Dichloroethylenes | 11,600 ^a | (Reserved) | 25323-30-3 |
| 1,1-dichloroethylene | (Reserved) | <u>32^{b,e}20,000^{b,f}</u> | 75-35-4 |
| <u>1,2-trans-dichloroethylene</u> <u>Trans-1,2-dichloroethylene</u> | (Reserved) | <u>10,000^{b,f}4,000^{b,f}</u> | 156-60-5 |
| Tetrachloroethylene | 5,280 ^a | <u>33^{b,e}70^{b,f}</u> | 127-18-4 |
| Trichloroethylene | 45,000 ^a | <u>300^{b,e}30^{b,f}</u> | 79-01-6 |
| Chlorodibromomethane | (Reserved) | <u>130^{b,e}210^{b,e}</u> | 124-48-1 |
| Dichlorobromomethane | (Reserved) | <u>170^{b,e}270^{b,e}</u> | 75-27-4 |
| Dichloropropane | 23,000 ^a | 5,700 ^b | 26638-19-7 |
| 1,2-dichloropropane | (Reserved) | <u>150^{b,e}310^{b,e}</u> | 78-87-5 |
| Dichloropropene | 6,060 ^a | 244 ^b | 26952-23-8 |
| 1,3-dichloropropene | (Reserved) | <u>210^{b,e}120^{b,e}</u> | 542-75-6 |
| Hexachlorobutadiene | 90 ^a | <u>9.3^b0.02^{b,f}</u> | 87-68-3 |
| Hexachlorocyclopentadiene | 7.0 ^a | <u>5.2^b4.0^{b,f}</u> | 77-47-4 |
| Vinyl Chloride | (Reserved) | <u>24^{b,e}16^{b,e}</u> | 75-01-4 |
| <u>Ethers:</u> | | | |
| <u>Bis(2-chloroethyl)ether</u> | (Reserved) | <u>5.3^{b,e}22^{b,e}</u> | 111-44-4 |
| <u>Bis(2-chloroethyl) Ether</u> | (Reserved) | <u>65,000^{b,f}4,000^{b,f}</u> | 108-60-1 |
| <u>Bis(2-chloroisopropyl)ether</u> <u>Bis(2-chloro-1-methylethyl)</u> <u>Ether</u> | (Reserved) | <u>0.0078^{b,e}0.17^{b,e}</u> | 542-88-1 |
| <u>Bis-chloromethyl-ether</u> <u>Bis(chloromethyl) Ether</u> | (Reserved) | <u>0.0078^{b,e}0.17^{b,e}</u> | 542-88-1 |
| Chloroalkyl ethers | 238,000 ^a | (Reserved) | ..... |
| Haloethers | 360 ^a | 122 ^b | ..... |
| <u>Monocyclic Aromatics except Phenols, Cresols, and Phthalates:</u> | | | |
| Benzene | 5,300 ^a | <u>510^{b,e}90^{b,f}</u> | 71-43-2 |
| Chlorinated benzenes | 250 ^a | 50 ^b | ..... |

| POLLUTANT | CRITERIA (ug 4 ug /L) | | CAS No.* |
|------------------------------------|----------------------------------------------|-----------------------------------------------------------------|------------|
| | Acute | Chronic | |
| <u>Chlorobenzene</u> | (Reserved) | 800 ^{b,f} | 108-90-7 |
| 1,2-dichlorobenzene | (Reserved) | 1,300 ^{b,f} <u>3,000</u> ^{b,f} | 95-50-1 |
| 1,3-dichlorobenzene | (Reserved) | 960 ^{b,f} <u>10</u> ^{b,f} | 541-73-1 |
| 1,4,-dichlorobenzene | (Reserved) | 190 ^{b,f} <u>900</u> ^{b,f} | 106-46-7 |
| Ethylbenzene | 32,000 ^a | 2,100 ^{b,f} <u>130</u> ^{b,f} | 100-41-4 |
| Hexachlorobenzene | 6.0 ^a | 0.0029 ^{b,e} <u>0.00079</u> ^{b,e} | 118-74-1 |
| Nitrobenzene | 27,000 ^a | 690 ^{b,f} <u>600</u> ^{b,f} | 98-95-3 |
| Pentachlorobenzene | (Reserved) | 41 ^{b,e} <u>0.1</u> ^{b,f} | 608-93-5 |
| 1,2,4,5-tetrachlorobenzene | (Reserved) | 29 ^{b,e} <u>0.03</u> ^{b,f} | 95-94-3 |
| 1,2,4-trichlorobenzene | (Reserved) | 70 ^{b,f} <u>0.76</u> ^{b,e} | 120-82-1 |
| Toluene | 17,500 ^a | 15,000 ^{b,f} <u>520</u> ^{b,f} | 108-88-3 |
| 2,4-dinitrotoluene | 330 ^a | 34 ^{b,e} <u>17</u> ^{b,e} | 121-14-2 |
| <u>Phenols and Cresols:</u> | | | |
| Phenol | 10,200 ^a | 2,560 ^b | 108-95-2 |
| 2-chlorophenol | 4,380 ^a | 150 ^{b,f} <u>800</u> ^{b,f} | 95-57-8 |
| 3-methyl-4-chlorophenol | 30 ^a | (Reserved) <u>2,000</u> ^{b,f} | 59-50-7 |
| 2,4-dichlorophenol | 2,020 ^a | 290 ^{b,f} <u>60</u> ^{b,f} | 120-83-2 |
| 2,4,5-trichlorophenol | 100 ^a | 63 ^b | 95-95-4 |
| 2,4,6-trichlorophenol | (Reserved) | 24 ^{b,e} <u>6</u> ^{b,f} | 88-06-2 |
| Dinitrophenols | (Reserved) | 140,000 ^{b,e} <u>1,000</u> ^{b,f} | 25550-58-7 |
| Nitrophenols | 230 ^a | 150 ^b | ..... |
| Nonylphenol | 28 ^c | 6.6 ^d | 1044-05-1 |
| 2-methyl-4,6-dinitrophenol | (Reserved) | 280 ^{b,f} <u>30</u> ^{b,f} | 534-52-1 |
| 2,4-dinitrophenol | (Reserved) | 5,300 ^{b,f} <u>300</u> ^{b,f} | 51-28-5 |
| 2,4-dimethylphenol | 2,120 ^a | 850 ^{b,f} <u>3,000</u> ^{b,f} | 105-67-9 |
| <u>Phthalate Esters:</u> | | | |
| Phthalate esters | 940 ^a | 3.0 ^b | ..... |
| Butylbenzyl phthalate | (Reserved) | 1,900 ^{b,f} <u>1.0</u> ^{b,e} | 85-68-7 |
| Di-N-butyl phthalate | (Reserved) | 4,500 ^{b,f} <u>30</u> ^{b,f} | 84-74-2 |
| Diethyl phthalate | (Reserved) | 44,000 ^{b,f} <u>600</u> ^{b,f} | 84-66-2 |
| <u>Di-2-ethylhexyl phthalate</u> | 2,000 ^a | 22 ^{b,e} <u>3.7</u> ^{b,e} | 117-81-7 |
| <u>Bis(2-ethylhexyl) Phthalate</u> | | | |
| Dimethyl phthalate | (Reserved) | 1,100,000 ^{b,e} <u>2,000</u> ^{b,f} | 131-11-3 |

| <u>POLLUTANT</u> | <u>CRITERIA ($\mu\text{g}/\mu\text{g}/\text{L}$)</u> | | <u>CAS No.*</u> |
|--------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------|-----------------|
| | <u>Acute</u> | <u>Chronic</u> | |
| <u>Polycyclic Aromatic Hydrocarbons (PAHs):</u> | | | |
| Acenaphthene | 1,700 ^a | 520 ^b 90 ^{b,f} | 83-32-9 |
| Anthracene | (Reserved) | 40,000 ^{b,f} 400 ^{b,f} | 120-12-7 |
| Benzo(a)anthracene | (Reserved) | 0.18 ^{b,e} 0.013 ^{b,e} | 56-55-3 |
| Benzo(a)pyrene | (Reserved) | 0.18 ^{b,e} 0.0013 ^{b,e} | 50-32-8 |
| Benzo(b)fluoranthene | (Reserved) | 0.18 ^{b,e} 0.013 ^{b,e} | 205-99-2 |
| Benzo(k)fluoranthene | (Reserved) | 0.18 ^{b,e} 0.13 ^{b,e} | 207-08-9 |
| Chrysene | (Reserved) | 0.18 ^{b,e} 1.3 ^{b,e} | 218-01-9 |
| Dibenzo(a,h)anthracene | (Reserved) | 0.18 ^{b,e} 0.0013 ^{b,e} | 53-70-3 |
| Fluoranthene | 3,980 ^a | 140 ^{b,f} 20 ^{b,f} | 206-44-0 |
| Fluorene | (Reserved) | 5,300 ^{b,f} 70 ^{b,f} | 86-73-7 |
| Indeno(1,2,3-cd)pyrene | (Reserved) | 0.18 ^{b,e} 0.013 ^{b,e} | 193-39-5 |
| Naphthalene | 2,300 ^a | 620 ^b | 91-20-3 |
| 2-chloronaphthalene | 1,600 ^a | 1,600 ^{b,f} 1,000 ^{b,f} | 91-58-7 |
| Phenanthrene | 30 ^a | 6.3 ^b | 85-01-8 |
| Pyrene | (Reserved) | 4,000 ^{b,f} 30 ^{b,f} | 129-00-0 |
| <u>Nitrosamines and other Nitrogen-containing Compounds:</u> | | | |
| Nitrosamines | 5,850 ^a | 12.4 ^{b,e} | ..... |
| Benzdine | 2,500 ^a | 0.0020 ^{b,e} 0.11 ^{b,e} | 92-87-5 |
| 3,3'-dichlorobenzidine | (Reserved) | 0.28 ^{b,e} 1.5 ^{b,e} | 91-94-1 |
| 1,2-diphenylhydrazine | 270 ^a | 2.0 ^{b,e} | 122-66-7 |
| Acrylonitrile | 7,550 ^a | 2.5 ^{b,e} 70 ^{b,e} | 107-13-1 |
| N-nitrosodibutylamine | (Reserved) | 2.2 ^{b,e} | 924-16-3 |
| N-nitrosodiethylamine | (Reserved) | 12.4 ^{b,e} | 55-18-5 |
| N-nitrosodimethylamine | (Reserved) | 30 ^{b,e} | 62-75-9 |
| N-nitrosodiphenylamine | (Reserved) | 60 ^{b,e} | 86-30-6 |
| N-nitrosodi-N-propylamine | (Reserved) | 5.1 ^{b,e} | 621-64-7 |
| N-nitrosopyrrolidine | (Reserved) | 340 ^{b,e} | 930-55-2 |

^a Concentration not to be exceeded at any time

^b Twenty-four hour average concentration

^c One-hour average concentration

^d Four-day average concentration

^e Human health criteria at the 10⁻⁵ risk level for carcinogens based on the consumption of fish and other aquatic organisms

^f Human health criteria based on the consumption of fish and other aquatic organisms

~~¹ Benzene hexachloride or hexachlorocyclohexane~~

~~² Gamma-BHC~~

¹³ Dimethyl tetrachloroterephthalate

~~⁴ Dichlorodiphenyltrichloroethane~~

²⁵ 2,3,7,8-tetrachloro-dibenzo-p-dioxin or 2,3,7,8-TCDD

³⁶ Criteria for metals and inorganics apply to dissolved concentrations

⁴⁷ The conversion factors for cadmium are hardness dependent and defined by:

$$ACF = 1.136672 - [\ln \textit{hardness} (0.041838)]$$

$$CCF = 1.101672 - [\ln \textit{hardness} (0.041838)]$$

⁵⁸ The conversion factor for lead (acute and chronic) is hardness dependent and defined by:

$$CF = 1.46203 - [(\ln \textit{hardness})(0.145712)]$$

⁶⁹ Chronic criterion for mercury applies to total recoverable concentrations

~~¹⁰ Criteria for selenium apply to total recoverable concentrations~~

004.01C2 The following criteria for the protection of human health based on consumption of fish and other aquatic organisms ~~shall~~are not to be exceeded. These criteria are expressed as fish tissue concentrations (mg/kg fish).

| <u>POLLUTANT</u> | <u>CRITERIA (mg/kg)</u> | <u>CAS No.*</u> |
|------------------|-------------------------|-----------------|
| Methylmercury | 0.215 | 22967-92-6 |

* Chemical Abstract Services Registry Number

004.01C3 The following Selenium criteria are for the protection of aquatic life. These criteria are expressed preferentially as fish tissue concentrations (mg/kg fish), followed by water column concentrations (mg/L) in the absence of fish tissue information.

| <u>POLLUTANT</u> | | | <u>CAS No.*</u> | |
|--------------------------|----------------------------------------------|--------------------------------------------------|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <u>Selenium</u> | | | <u>7782-49-2</u> | |
| | <u>FISH TISSUE¹ CRITERIA</u> | | <u>WATER COLUMN⁴ CRITERIA</u> | |
| <u>Criterion Element</u> | <u>Egg/Ovary²</u> | <u>Fish Whole Body or Muscle³</u> | <u>Thirty-day average</u> | <u>Intermittent Exposure⁵</u> |
| <u>Magnitude</u> | <u>15.1 mg/kg</u> | <u>8.5 mg/kg whole body or 11.3 mg/kg muscle</u> | <u>1.5 µg/L</u> | <u>WOC_{int} = $\frac{WQC_{30\text{-day}} - C_{\text{bkgnd}}(1 - f_{\text{int}})}{f_{\text{int}}}$</u> |
| <u>Duration</u> | <u>Instantaneous measurement⁶</u> | <u>Instantaneous measurement⁶</u> | <u>30 days</u> | <u>Number of days/month with an elevated concentration</u> |
| <u>Frequency</u> | <u>Not to be exceeded</u> | <u>Not to be exceeded</u> | <u>Not more than once in three years on average</u> | <u>Not more than once in three years on average</u> |

¹ Fish tissue elements are expressed as steady-state.

² Egg/Ovary supersedes any whole-body, muscle, or water column element when fish egg/ovary concentrations are measured.

³ Fish whole-body or muscle tissue supersedes water column element when both fish tissue and water column concentrations are measured.

⁴ Water column values are based on dissolved total selenium in water and are derived from fish tissue values via bioaccumulation modeling. Water column values are the applicable criterion element in the absence of steady-state condition fish tissue data.

⁵ Where WQC_{30-day} is the water column monthly element, for either a lake or stream; C_{bkgnd} is the average background selenium concentration, and f_{int} is the fraction of any 30-day period during which elevated selenium concentrations occur, with f_{int} assigned a value ≥0.033 (corresponding to 1 day).

⁶ Fish tissue data provide instantaneous point measurements that reflect integrative accumulation of selenium over time and space in fish populations at a given site.

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004.01D Petroleum Oil.

Not to exceed 10 ~~mg~~mg/L.

004.01E Alkalinity

No less than 20 ~~mg~~mg/L as CaCO₃ except where natural background is less.

004.01F Residual Chlorine

004.01F1 One-hour average concentration not to exceed 19 ~~ug~~ug/L.

004.01F2 Four-day average concentration not to exceed 11 ~~ug~~ug/L.

004.02 Wildlife

Wetlands assigned this beneficial use provide, or could provide, habitat capable of supporting wildlife on a regular or periodic basis. Wildlife are undomesticated terrestrial or avian life forms which may utilize wetlands to support life functions such as watering, feeding, loafing, predator protection, and nesting. Examples of wildlife include, but are not limited to, furbearers, waterfowl, shorebirds, migratory birds, and reptiles.

004.02A General Criteria

Because wildlife utilizing wetlands rely on aquatic biota in many cases for food and habitat, general criteria and toxic criteria listed for the protection of aquatic life (paragraphs 004.01A and 004.01C) ~~shall~~ also apply for the protection of wildlife.

004.02B Biological Criteria

Any human activity causing water pollution which would cause a significant adverse impact to an identified “key species” is a violation of these Standards.

004.02B1 Key Species

Key wildlife species are identified endangered, ~~or~~ threatened, or sensitive species. The following list defines the wildlife species considered by the Department to be key species.

COMMON NAMESCIENTIFIC NAMEEndangered Species:

| | |
|--------------------------|-------------------------------------------------------|
| Eskimo Curlew | <i>Numenius borealis</i> |
| Whooping Crane | <i>Grus americana</i> |
| Interior Least Tern | <i>Sterna</i> <i>Sternula antillarum</i> |
| | <i>athalassos</i> |
| River Otter | <i>Lutra</i> <i>Lontra canadensis</i> |
| American Burying Beetle | <i>Nicrophorus americanus</i> |
| Salt Creek Tiger Beetle | <i>Cicindela</i> <i>Cicindela nevadica</i> |
| | <i>lincolniana</i> |

Threatened Species:

| | |
|-------------------------------|--------------------------------------------|
| Bald Eagle | <i>Haliaeetus leucocephalus</i> |
| Piping Plover | <i>Charadrius melodus</i> |
| Rufa Red Knot | <i>Calidris canutus rufa</i> |
| Western Massasauga | <i>Sistrurus tergeminus</i> |

Sensitive Species

| | |
|--------------------------------------|-----------------------------------------|
| <u>A freshwater snail</u> | <u><i>Fossaria techella</i></u> |
| <u>American Toad</u> | <u><i>Anaxyrus americanus</i></u> |
| <u>Bald Eagle</u> | <u><i>Haliaeetus leucocephalus</i></u> |
| <u>Blanding's Turtle</u> | <u><i>Emydoidea blandingii</i></u> |
| <u>Graham's Crayfish Snake</u> | <u><i>Regina grahamii</i></u> |
| <u>Great Plains Narrowmouth Toad</u> | <u><i>Gastrophryne olivacea</i></u> |
| <u>Niobrara ambersnail</u> | <u><i>Osyroma haydeni</i></u> |
| <u>Platte River Caddisfly</u> | <u><i>Ironoquia plattensis</i></u> |
| <u>Red-eared Slider</u> | <u><i>Trachemys scripta elegans</i></u> |
| <u>Smallmouth Salamander</u> | <u><i>Ambystoma texanum</i></u> |
| <u>Smooth Soft Shelled Turtle</u> | <u><i>Apalone mutica</i></u> |

004.03 Agricultural Water Supply

Wetlands assigned this beneficial use are used or have the potential to be used for general agricultural purposes (e.g., irrigation and livestock watering) without treatment. In some cases, however, natural background water quality may limit their use for agricultural purposes.

004.03A General Criteria

Wastes or toxic substances introduced directly or indirectly by human activity in concentrations that would degrade the use (i.e., would produce undesirable physiological effects in crops or livestock) ~~shall-will~~ not be allowed. Where natural background water quality limits the use of a wetland for agricultural purposes, water quality criteria for conductivity and selenium ~~shall-are to~~ be based on the natural background condition.

004.03B Conductivity.

Not to exceed 2,000 umhos/cm between April 1 and September 30.

004.03C Nitrate and Nitrite as Nitrogen.

Not to exceed 100 ~~mg~~mg/L.

004.03D Selenium.

Not to exceed 0.02~~mg~~mg/L.

004.04 Aesthetics.

This use applies to all wetlands of the state. To be aesthetically acceptable, wetlands ~~shall-are to~~ be free from human-induced pollution which causes: 1) noxious odors; 2) floating, suspended, colloidal, or settleable materials that produce objectionable films, colors, turbidity, or deposits; and 3) the occurrence of undesirable or nuisance aquatic life (e.g., algal blooms). Wetlands ~~shall-are~~ also to be free of junk, refuse, and discarded dead animals.

Title 117

Chapter 7

Enabling Legislation: Neb. Rev. Stat. §§ 81-1501(1) and 81-1505(1)(2)

Legal Citation: Title 117, Ch. 7, Nebraska Department of Environmental Quality

Effective Date: _____

7-17

~~Title 117—NEBRASKA DEPARTMENT OF ENVIRONMENTAL QUALITY~~

~~Chapter 8—EFFECTIVE DATE~~

~~001—These rules and regulations shall become effective five days after filing with the Secretary of State.~~

~~Enabling Legislation: Neb. Rev. Stat. §§ 81-1505(17), 84-906~~

~~Legal Citation: Title 117, Ch. 8, Nebraska Department of Environmental Quality~~

Effective Date: _____