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NEBRASKA DEPARTMENT OF ENVIRONMENTAL QUALITY

# TITLE 117 - NEBRASKA SURFACE WATER QUALITY STANDARDS

REVISED EFFECTIVE DATE: ----------

MIKE JOHANNS
GOVERNOR

TITLE 117 - NEBRASKA SURFACE WATER QUALITY STANDARDS
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TITLE 117 - NEBRASKA SURFACE WATER QUALITY STANDARDS
ALPHABETICAL LIST OF SUBJECTS AND ENABLING LEGISLATION

| SUBJECT OR TITLE | ENABLING LEGISLATION | CODE SECTION |
|---|---|---|
| Antidegradation Clause | 81-1501(1)<br>81-1505(1)(2) | Ch. 3 |
| Application of Standards | 81-1505(1)(2) | Ch. 2 |
| Definition of Terms | 81-1502<br>81-1505(1)(2) | Ch. 1 |
| Effective Date | 81-1505(17) | Ch. 8 |
| Lakes and Impounded Waters | 81-1505(1)(2) | Ch. 6 |
| Standards for Water Quality | 81-1505(1)(2) | Ch. 4 |
| Stream Classification by Basin | 81-1505(1)(2) | Ch. 5 |
| Water Quality Standards for Wetlands | 81-1501(1) -<br>81-1505(1)(2) | Ch. 7 |

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Title 117 - NEBRASKA DEPARTMENT OF ENVIRONMENTAL QUALITY

Chapter 1 - DEFINITION OF TERMS

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

002 "Acute Mixing Zone" shall mean 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 "Acute Toxicity" shall mean the response of an aquatic organism to a concentration of substance which results in injury or mortality within period of 96 hours or less.

004 "Acute Toxic Units ($TU_a$)" shall mean the reciprocal of the effluent dilution that causes an acute effect (e.g., $LC_{50}$) to the test organism by the end of the acute exposure period.

005 "Applicable Level of Treatment or Control" shall mean 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; Title 121 - Effluent Guidelines and Standards; Title 127 - Rules and Regulations Governing the Nebraska Pretreatment Program; or which is otherwise specified by the Department considering best available technology and management practices.

006 "Beneficial Use" shall mean 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.

007 "Bioassay" shall mean 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.

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008 "Canal" shall mean 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 "Chronic Criteria" shall mean the threshold concentration of a substance that aquatic organisms can be exposed to for a period exceeding 96 hour with no resulting chronic toxicity.

010 "Chronic Mixing Zone" shall mean 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 "Chronic Toxicity" shall mean 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 "Chronic Toxic Units ($TU_c$)" shall mean the reciprocal of the effluent dilution that causes no chronic toxicity to the test organisms by the end of the chronic exposure period.

013 "Clean Water Act" shall mean Public Law 92-500, as amended by Public Law 95-217 and Public Law 100-4, 33 U.S.C. §1251 et seq.

014 "Colloidal Substances" shall mean clay or other substances which do not settle out of suspension in water without the use of a flocculent.

015 "Conductivity" shall mean 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 "Cubic Foot per Second (cfs)" shall mean 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.

017 "Daily Mean" shall mean 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 a measure of the amount of free oxygen in the water.

020 "Dissolved Oxygen Air Saturation Value" shall mean 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 the United States Environmental Protection Agency.

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

023 "Effluent" shall mean wastewater, excluding sludge, discharging from a wastewater treatment works.

024 "Endangered Species" shall mean any aquatic species 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.

025 "Epilimnion" shall mean the warm, freely circulating upper layer of thermally stratified lakes.

026 "Existing Uses" shall mean 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 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.

028 "Four-Day Average" shall mean 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 "Hardness" shall mean 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 "High-Rate Diffusers" shall mean 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 "Hypolimnion" shall mean 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 "Key Species" shall mean identified endangered, threatened, sensitive, or recreationally-important aquatic species associated with a particular water body and its aquatic life use class.

037 "Lake or Impounded Water" shall mean 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 do not include areas designated by the Department as wastewater treatment or wastewater retention facilities or irrigation reuse pits.

038 "$LC_{50}$" shall mean 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 "Metalimnion" shall mean the layer of a thermally stratified lake which exhibits a steep temperature gradient and separates the epilimnion above from the hypolimnion below.

040 "Milligrams per Liter (mg/l)" shall mean the milligrams of substance per liter of solution, equivalent to parts per million assuming unit density of the solution.

041 "Mixing Zone" shall mean 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 "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.

043 "Noncontact Cooling Water" shall mean 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.

044 "Nonpoint Source" shall mean any source of pollutants other than those defined as point sources.

045 "Nuisance Aquatic Life" shall mean 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.

046 "One-Day Minimum" shall mean the lowest daily instantaneous value measured.

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

048 "One-Hour Average" shall mean an average of at least two appropriately spaced measurements, as determined by the Department, calculated over a period of one hour.

049 "Petroleum Oils" shall mean all oils other than oils of vegetable and animal origin.

050 "pH" shall mean the negative logarithm of the hydrogen ion concentration ($pH = -\log [H^+]$). 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).

051 "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.

052 "Pollutant" shall mean 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.

053 "Recreationally-Important Species" shall mean 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.

054 "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.

055 "Resident Species" shall mean 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.

056 "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.

057 "Salmonid" shall mean any fish belonging to the family Salmonidae. Trout are members of this family.

058 "Sensitive Species" shall mean any aquatic species identified by the Department which has a limited distribution in the State and is indigenous to stable, high quality aquatic environments.

059 "Settleable Solids" shall mean substances such as silt, organic detritus, plankton, or sand, which settle to the bottom of a water body or water column.

060 "Seven-Day Mean" shall mean an average of the daily mean values calculated over a period of seven consecutive days.

061 "Seven-Day Mean Minimum" shall mean an average of the one-day minimum values calculated over a period of seven consecutive days.

062 "Seven-Day Ten-Year (7Q10) Low Flow" shall mean 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.

063 "Standards" shall mean rules or regulations which are comprised of the water quality criteria that are necessary to protect the beneficial uses of surface waters.

064 "Substrate" shall mean any naturally occurring or artificial solid surface which is emersed or submerged in water.

065 "Surface Waters" shall mean 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.

066 "Suspended Solids" shall mean 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.

067 "Synergistic Effects" shall mean the cooperative action of discrete substances such that the cumulative effects are greater than the sum of the effects taken independently.

068 "Thermal Stratification" shall mean 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.

069 "Thirty-Day Mean" or "Thirty-Day Average" shall mean an average of the daily mean values calculated over a period of thirty consecutive days.

070 "Threatened Species" shall mean any aquatic species 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.

071 "Toxic Substances" shall mean those pollutants or combination of pollutants, radioactive substances, or disease causing agents, which after discharge and upon exposure, ingestion, inhalation or assimilation into an organism, 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 organism or their offspring.

072 "Toxic Units (TU)" shall mean the reciprocal of the effluent dilution that produces the bioassay endpoint.

073 "Twenty-four Hour Average" shall mean an average of at least two appropriately spaced measurements, as determined by the Department, calculated over a period of 24 consecutive hours.

074 "Un-ionized Ammonia" shall mean that portion of the total ammonia present that remains undissociated in water, and the form largely responsible for the toxicity of ammonia to aquatic life. The amount of un-ionized ammonia present is primarily dependent upon pH and temperature.

075 "Wastewater" shall mean 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.

076 "Water Pollution" shall mean the manmade or man-induced alteration of the chemical, physical, biological, and radiological integrity of water.

077 "Water Quality" shall mean the biological, chemical, physical, and radiological integrity of a body of water.

077.01 "Biological Integrity" shall mean the plant, animal, and bacteriological species composition of a body of water.

077.02 "Chemical Integrity" shall mean the chemical properties of the water, sediments, or biological organisms (e.g., concentrations in fish tissue) of a body of water.

077.03 "Physical Integrity" shall mean the physical properties (e.g., temperature, turbidity, sedimentation) of a body of water.

077.04 "Radiological Integrity" shall mean the radioactive properties of the water, sediments, or biological organisms (e.g., concentrations in fish tissue) of a body of water.

078 "Water Quality Criteria" shall mean 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.

Title 117

Chapter 1

079 "Wetland" shall mean 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.

080 "Zone of Passage" shall mean 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. [[ 81-1502 and 81-1505(1)(2)

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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 be 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 be in accordance with Chapters 3, 4, and 5.

004 The application of standards for lakes and impounded waters shall be in accordance with Chapters 3, 4, and 6. Lakes and impounded waters not identified in Chapter 6 shall be 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 be applicable to these lakes and impounded waters.

> 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 be 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

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Certification by the Department of Activities Requiring a Federal License or Permit which May Result in a Discharge.

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 121 - Effluent Guidelines and Standards.

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.

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 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 be defined on a site-specific basis, in a manner consistent with Section 316 of the Clean Water Act.

010.01 The Department shall determine the applicability of a mixing zone, and if applicable, the allowable size, location, water quality, and outfall design. The following requirements shall 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 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 be considered.

010.03 Mixing zones established for dissolved oxygen shall 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 be met at and beyond the mixing zone boundaries.

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

010.05 All mixing zone specifications shall be based on critical conditions of minimum dilution. The average dry weather or seasonal flow for a point source discharge shall be used with the 7-day 10-year low flow of the receiving stream for application of all criteria with the exception of acute criteria for aquatic life. The 1-day 10-year low flow of the receiving stream shall be used for application of acute criteria.

010.06 Chronic Mixing Zones.

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

010.06A The length of a chronic mixing zone shall not 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 be designed to not exceed 2,500 feet in length.

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

010.06B Chronic mixing zones shall 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 not 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 not 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 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 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, whichever is greater. To prevent chronic toxicity in a stream, the following conditions shall 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 not exceed 1.0 chronic toxic units (TU&sc.) 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 not exceed 1.0 TU&sc. 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 not exceed the No Observed Effect Level (NOEL) based on chronic bioassays of the undiluted effluent.

010.07 Acute Mixing Zones.

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

010.07A Acute mixing zones shall 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 not 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 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 not 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 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 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 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 not 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 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 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 not 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 not 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 not 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 not 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 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 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 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 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) 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 not 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 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 not, 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 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 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 not cause adverse impacts to any assigned beneficial uses of surface waters beyond the targeted surface water body.

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012.03 Application of aquatic biocides must 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 benefical uses.

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 not 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 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.

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

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

APPROVED as to amendments
DON STENBERG
ATTORNEY GENERAL
DEC 22 1999
BY
Assistant Attorney General

APPROVED
FEB 02 2000
MIKE JOHANNS
GOVERNOR

Title 117 - NEBRASKA DEPARTMENT OF ENVIRONMENTAL QUALITY

Chapter 3 - ANTIDEGRADATION CLAUSE

001 The water quality of surface waters, consistent with uses applied in these Standards, shall be maintained and protected. Water quality degradation which would adversely affect existing uses will not be allowed.

002 State Resource Waters - Class A - These are surface waters, whether or not they are designated in these Standards, which constitute an outstanding State or National resource, such as waters within national or state parks, national forests or wildlife refuges, and waters of exceptional recreational or ecological significance. Waters which provide a unique habitat for federally designated endangered or threatened species and rivers designated under the Wild and Scenic Rivers Act are also included. The existing quality of these surface waters shall be maintained and protected.

003 State Resource Waters - Class B - These are surface waters, whether or not they are designated in these Standards, which possess an existing quality which exceeds levels necessary to maintain recreational and/or aquatic life uses. The existing water quality of these surface waters shall be maintained and protected. However, the State may choose, in accordance with Neb. Rev. Stat. § 81-1513, to allow lower water quality as a result of important and necessary economic or social development in the area. There shall be achieved the highest statutory and regulatory requirements for all new and existing point sources and all cost-effective and reasonable best management practices for nonpoint source control. In cases where potential water quality impairment associated with a thermal discharge is involved, the method of implementation of this antidegradation policy shall be consistent with Section 316 of the Clean Water Act.

004 In implementing this policy, the Department will follow the procedures outlined in the State's Continuing Planning Process.

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

Legal Citation: Title 117, Ch. 3, Nebraska Department of Environmental Quality

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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 Water Resources.

APPROVED as to amendment
DON STENBERG
ATTORNEY GENERAL
DEC 22 1999
BY
Assistant Attorney General

APPROVED
FEB 02 2003
MIKE JOHANNS
GOVERNOR

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 accidently ingested and sensitive body organs (e.g., eyes, ears, nose, etc.) may be exposed. Although the water may be accidently 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.

002.01 Fecal Coliform.

Bacteria of the fecal coliform group shall not exceed a geometric mean of 200/100 ml, nor equal or exceed 400/100 ml, in more than 10% of the samples. These criteria are based on a minimum of five samples taken within a 30-day period. This does not preclude fecal coliform limitations based on effluent guidelines.

These criteria apply during the recreational period of May 1 through September 30.

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 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 not be increased by a total of more than 5°F (3°C) from natural 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. For cold waters, the maximum limit is 72°F (22°C) with an allowable change of 5°F (3°C) from natural. For warm waters, the maximum limit is 90°F (32°C).

For impoundments, the temperature of the epilimnion of surface waters shall not 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 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 not 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 not be exceeded. Unless otherwise noted, criteria are based on total concentrations.

| POLLUTANT | CRITERIA (ug/l) Acute | CRITERIA (ug/l) Chronic | CAS No.* |
|---|---|---|---|
| Pesticides: | | | |
| Acrolein | 68[a] | 21[b] | 107028 |
| Alachlor | 760[c] | 76[d] | 15972608 |
| Aldrin | 3.0[a] | 0.00136[b,e] | 309002 |
| Atrazine | 330[cc] | 12[dd] | 1912249 |
| BHC[1] | 100[a] | 0.414[b,e] | 319868 |
| Alpha-BHC | (Reserved) | 0.131[b,e] | 319846 |
| Beta-BHC | (Reserved) | 0.46[b,e] | 319857 |
| Chlordane | 2.4[a] | 0.0043[b] | 57749 |
| Chlorpyrifos | 0.083[c] | 0.041[d] | 2921882 |
| DCPA[3] | (Reserved) | 14,300[d] | 1861321 |
| DDT[4] | 1.1[a] | 0.001[b] | 50293 |
| DDT metabolite (DDE) | 1050[a] | 0.0059[b,e] | 72559 |
| DDT metabolite (TDE, DDD) | 0.6[a] | 0.0084[b,e] | 72548 |
| Demeton | (Reserved) | 0.1[b] | 8065483 |
| Dieldrin | 0.24[aa] | 0.00144[b,e] | 60571 |
| Dioxin[5] | < 0.01[a] | < 0.00000014[b,e] | 1746016 |
| Alpha-Endosulfan | 0.22[a] | 0.056[b] | 959988 |
| Beta-Endosulfan | 0.22[a] | 0.056[b] | 33213659 |
| Endosulfan sulfate | (Reserved) | 2,400[b,e] | 1031078 |
| Endrin | 0.086[a] | 0.036[b] | 72208 |
| Endrin aldehyde | (Reserved) | 8.1[b,e] | 7421934 |
| Guthion | (Reserved) | 0.01[b] | 86500 |
| Heptachlor | 0.52[a] | 0.00214[b,e] | 76448 |
| Heptachlor epoxide | 0.52[a] | 0.0011[b,e] | 1024573 |
| Isophorone | 117,000[a] | 26,000[b,e] | 78591 |
| Lindane[2] | 0.95[aa] | 0.16[b] | 58899 |
| Malathion | (Reserved) | 0.1[b] | 121755 |
| Methoxychlor | (Reserved) | 0.03[b] | 72435 |
| Metolachlor | 390[c] | 100[d] | 51218452 |

| POLLUTANT | CRITERIA (ug/l) Acute | CRITERIA (ug/l) Chronic | CAS No.* |
|---|---|---|---|
| Metribuzin | (Reserved) | 100[d] | 21087649 |
| Mirex | (Reserved) | 0.001[d] | 2385855 |
| Parathion | 0.065[c] | 0.013[d] | 56382 |
| Pentachlorophenol | $e^{(1.005(pH)-4.869)}$ [c] | $e^{(1.005(pH)-5.134)}$ [d] | 87865 |
| Propachlor | (Reserved) | 8.0[d] | 1918167 |
| Toxaphene | 0.73[c] | 0.0002[d] | 8001352 |
| **Metals and Inorganics[6] :** | | | |
| Aluminum | 750[c] | 87[d] | 7429905 |
| Antimony | 88[c] | 30[d] | 7440360 |
| Arsenic | 340[c] | 16.7[b,e] | 7440382 |
| Beryllium | 130[a] | 5.3[d] | 7440417 |
| Cadmium | (See Site-Specific or Aquatic Life Use Class Criteria) | | 7440439 |
| Chromium (III) | (See Site-Specific or Aquatic Life Use Class Criteria) | | 16065831 |
| Chromium (VI) | (See Site-Specific or Aquatic Life Use Class Criteria) | | 18540299 |
| Copper | (See Site-Specific or Aquatic Life Use Class Criteria) | | 7440508 |
| Cyanide | (See Site-Specific or Aquatic Life Use Class Criteria) | | 57125 |
| Iron | (Reserved) | 1,000[b] | 7439896 |
| Lead[7] | $(CF)e^{(1.273[\ln hardness]-1.460)}$ [c] | $(CF)e^{(1.273[\ln hardness]-4.705)}$ [d] | 7439921 |
| Mangenese | (Reserved) | 1,000[b,e] | 7439965 |
| Mercury | (See Site-Specific or Aquatic Life Use Class Criteria) | | 7439976 |
| Nickel | (See Site-Specific or Aquatic Life Use Class Criteria) | | 7440020 |
| Selenium[8] | 20[c] | 5.0[d] | 7782492 |
| Silver | $(0.85)e^{(1.72[\ln hardness]-6.52)}$ [c] | (Reserved) | 7440224 |
| Thallium | 1400[a] | 40[b] | 7440280 |
| Zinc | (See Site-Specific or Aquatic Life Use Class Criteria) | | 7440666 |

| POLLUTANT | CRITERIA (ug/l) Acute | CRITERIA (ug/l) Chronic | CAS No.* |
|---|---|---|---|
| PCBs and Related Compounds: | | | |
| PCBs | 2.0[a] | 0.0017[b,e] | 1336363 |
| Chlorinated Naphthalenes | 1,600[a] | 43,000[b,e] | ..... |
| Halogenated Aliphatics: | | | |
| Halomethanes | 11,000[a] | 157[b,e] | ..... |
| Bromoform | (Reserved) | 3,600[b,e] | 75252 |
| Methyl bromide | (Reserved) | 40,000[b,e] | 74839 |
| Chloroform | 28,900[a] | 1,240[b] | 67663 |
| Carbon tetrachloride | 35,200[a] | 44.2[b,e] | 56235 |
| Methylene chloride | (Reserved) | 16,000[b,e] | 75092 |
| 1,2-dichloroethane | 118,000[a] | 986[b,e] | 107062 |
| Hexachloroethane | 980[a] | 89.5[b,e] | 67721 |
| Pentachloroethane | 7,240[a] | 1,100[b] | 76017 |
| Trichlorinated ethanes | 18,000[a] | (Reserved) | 25323891 |
| 1,1,2-trichloroethane | (Reserved) | 419.9[b,e] | 79005 |
| Tetrachloroethanes | 9,320[a] | (Reserved) | 25322207 |
| 1,1,2,2-tetrachloroethane | (Reserved) | 110[b,e] | 79345 |
| Dichloroethylenes | 11,600[a] | (Reserved) | 25323303 |
| 1,1-dichloroethylene | (Reserved) | 32[b,e] | 75354 |
| 1,2-trans-dichloroethylene | (Reserved) | 1,400,000[b,e] | 156605 |
| Tetrachloroethylene | 5,280[a] | 88.5[b,e] | 127184 |
| Trichloroethylene | 45,000[a] | 810[b,e] | 79016 |
| Chlorodibromomethane | (Reserved) | 340[b,e] | 124481 |
| Dichlorobromomethane | (Reserved) | 460[b,e] | 75274 |
| Dichloropropane | 23,000[a] | 5,700[b] | 26638197 |
| 1,2-dichloropropane | (Reserved) | 390[b,e] | 78875 |
| Dichloropropene | 6,060[a] | 244[b] | 26952238 |
| 1,3-dichloropropylene | (Reserved) | 17,000[b,e] | 542756 |
| Hexachlorobutadiene | 90[a] | 9.3[b] | 87683 |
| Hexachlorocyclopentadiene | 7.0[a] | 5.2[b] | 77474 |
| Vinyl Chloride | (Reserved) | 5,250[b,e] | 75014 |

| POLLUTANT | CRITERIA (ug/l) Acute | CRITERIA (ug/l) Chronic | CAS No.* |
|---|---|---|---|
| Ethers: | | | |
| Bis(2-chloroethyl)ether | (Reserved) | 14[b,e] | 111444 |
| Bis(2-chloroisopropyl)ether | (Reserved) | 1,700,000[b,e] | 39638329 |
| Bis chloromethyl ether | (Reserved) | 0.0078[b,e] | 542881 |
| Chloroalkyl ethers | 238,000[a] | (Reserved) | ..... |
| Haloethers | 360[a] | 122[b] | ..... |
| Monocyclic Aromatics except Phenols, Cresols, and Phthalates: | | | |
| Benzene | 5,300[a] | 712.8[b,e] | 71432 |
| Chlorinated benzenes | 250[a] | 50[b] | ..... |
| Dichlorobenzenes | 1,120[a] | 763[b] | 25321226 |
| Ethylbenzene | 32,000[a] | 290,000[b,e] | 100414 |
| Hexachlorobenzene | 6.0[a] | 0.0077[b,e] | 118741 |
| Nitrobenzene | 27,000[a] | 19,000[b,e] | 98953 |
| Pentachlorobenzene | (Reserved) | 41[b,e] | 608935 |
| 1,2,4,5-tetrachlorobenzene | (Reserved) | 29[b,e] | 95943 |
| 1,2,4-trichlorobenzene | (Reserved) | 9,400[b,e] | 120821 |
| Toluene | 17,500[a] | 2,000,000[b,e] | 108883 |
| 2,4-dinitrotoluene | 330[a] | 91[b,e] | 121142 |
| Phenols and Cresols: | | | |
| Phenol | 10,200[a] | 2,560[b] | 108952 |
| 2-chlorophenol | 4,380[a] | 4,000[b,e] | 95578 |
| 3-methyl-4-chlorophenol | 30[a] | (Reserved) | 59507 |
| 2,4-dichlorophenol | 2,020[a] | 365[b] | 120832 |
| 2,4,5-trichlorophenol | 100[a] | 63[b] | 95954 |
| 2,4,6-trichlorophenol | (Reserved) | 65[b,e] | 88062 |
| Dinitrophenols | (Reserved) | 140,000[b,e] | 25550587 |
| Nitrophenols | 230[a] | 150[b] | ..... |
| 2-methyl-4,6-dinitrophenol | (Reserved) | 7,650[b,e] | 534521 |
| 2,4-dinitrophenol | (Reserved) | 140,000[b,e] | 51285 |
| 2,4-dimethylphenol | 2,120[a] | 23,000[b,e] | 105679 |

| POLLUTANT | CRITERIA (ug/l) Acute | CRITERIA (ug/l) Chronic | CAS No.* |
|---|---|---|---|
| **Phthalate Esters:** | | | |
| Phthalate esters | 940[a] | 3.0[b] | ..... |
| Butylbenzyl phthalate | (Reserved) | 52,000[b,e] | 85687 |
| Di-N-butyl phthalate | (Reserved) | 120,000[b,e] | 84742 |
| Diethyl phthalate | (Reserved) | 1,200,000[b,e] | 84662 |
| Di-2-ethylhexyl phthalate | 2,000[a] | 59.2[b,e] | 117817 |
| Dimethyl phthalate | (Reserved) | 29,000,000[b,e] | 131113 |
| **Polycyclic Aromatic Hydrocarbons (PAHs):** | | | |
| Acenaphthene | 1,700[a] | 520[b] | 83329 |
| Anthracene | (Reserved) | 1,100,000[b,e] | 120127 |
| Benzo(a)anthracene | (Reserved) | 0.49[b,e] | 56553 |
| Benzo(a)pyrene | (Reserved) | 0.49[b,e] | 50328 |
| Benzo(b)fluoranthene | (Reserved) | 0.49[b,e] | 205992 |
| Benzo(k)fluoranthene | (Reserved) | 0.49[b,e] | 207089 |
| Chrysene | (Reserved) | 0.49[b,e] | 218019 |
| Dibenzo(a,h)anthracene | (Reserved) | 0.49[b,e] | 53703 |
| Fluoranthene | 3,980[a] | 3,700[b,e] | 206440 |
| Fluorene | (Reserved) | 140,000[b,e] | 86737 |
| Ideno(1,2,3-cd)pyrene | (Reserved) | 0.49[b,e] | 193395 |
| Naphthalene | 2,300[a] | 620[b] | 91203 |
| 2-chloronaphthalene | 1,600[a] | 43,000[b,e] | 91587 |
| Phenanthrene | 30[a] | 6.3[b] | 85018 |
| Pyrene | (Reserved) | 110,000[b,e] | 129000 |
| **Nitrosamines and other Nitrogen-containing Compounds:** | | | |
| Nitrosamines | 5,850[a] | 12.4[b,e] | 35576911 |
| Benzidine | 2,500[a] | 0.00535[b,e] | 92875 |
| 3,3-dichlorobenzidine | (Reserved) | 0.77[b,e] | 91941 |
| 1,2-diphenylhydrazine | 270[a] | 5.4[b,e] | 122667 |
| Acrylonitrile | 7,550[a] | 6.65[b,e] | 107131 |
| N-nitrosodibutylamine | (Reserved) | 5.87[b,e] | 924163 |
| N-nitrosodiethylamine | (Reserved) | 12.4[b,e] | 55185 |

| POLLUTANT | CRITERIA (ug/l) Acute | CRITERIA (ug/l) Chronic | CAS No.* |
|---|---|---|---|
| N-nitrosodimethylamine | (Reserved) | 81[b,e] | 62759 |
| N-nitrosodiphenylamine | (Reserved) | 160[b,e] | 86306 |
| N-nitrosodi-N-propylamine | (Reserved) | 14.0[b,e] | 621647 |
| N-nitrosopyrrolidine | (Reserved) | 919[b,e] | 930552 |

* 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.

[1] Benzene hexachloride or hexachlorocyclohexane
[2] Gamma-BHC
[3] Dimethyl tetrachloroterephthalate
[4] Dichlorodiphenyltrichloroethane
[5] 2,3,7,8-tetrachloro-dibenzo-p-dioxin or 2,3,7,8-TCDD
[6] Criteria for metals and inorganics apply to dissolved concentrations
[7] The conversion factor for lead (acute and chronic) is hardness dependent and defined by:

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

[8] Criteria for selenium apply to total recoverable concentrations

003.01D Petroleum Oil.

Not to exceed 10 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/l as undissociated hydrogen sulfide.

003.01G 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 not be allowed except as specified in Chapter 2.

003.01G1 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 NAME | SCIENTIFIC NAME |
|---|---|
| Endangered Species: | |
| Pallid sturgeon | *Scaphirhynchus albus* |
| Topeka shiner | *Notropis topeka* |
| Threatened Species: | |
| Lake sturgeon | *Acipenser fulvescens* |
| Northern redbelly dace | *Phoxinus eos* |
| Pearl dace | *Semotilus margarita* |
| Finescale dace | *Phoxinus neogaeus* |
| Blacknose shiner | *Notropis heterolepis* |
| Sensitive Species[1]: | |
| Lake chub | *Couesius plumbeus* |
| Brook stickleback | *Culea inconstans* |
| Iowa darter | *Etheostoma exile* |
| Johnny darter | *Etheostoma nigrum* |
| Orangethroat darter | *Etheostoma spectabile* |
| Blacknose dace | *Rhinichthys atratulus* |
| Grass pickerel | *Esox americanus* |
| Pumpkinseed | *Lepomis gibbosus* |
| Golden shiner | *Notemigonus crysoleucas* |
| Common shiner | *Notropis cornutus* |

[1] Endangered, threatened, and recreationally-important aquatic species are not included.

| COMMON NAME | SCIENTIFIC NAME |
|---|---|
| Recreationally-Important Species: | |
| Shovelnose sturgeon | *Scaphirhynchus platorynchus* |
| Paddlefish | *Polyodon spathula* |
| Brook trout | *Salvelinus fontinalis* |
| Brown trout | *Salmo trutta* |
| Rainbow trout | *Oncorhynchus mykiss* |
| Northern pike | *Esox lucius* |
| Muskellunge | *Esox masquinongy* |
| Blue catfish | *Ictalurus furcatus* |
| Channel catfish | *Ictalurus punctatus* |
| Flathead catfish | *Pylodictis olivaris* |
| Striped bass | *Morone saxatilis* |
| White bass | *Morone chrysops* |
| Rock bass | *Ambloplites rupestris* |
| Largemouth bass | *Micropterus salmoides* |
| Smallmouth bass | *Micropterus dolomieui* |
| Spotted bass | *Micropterus punctulatus* |
| Redear sunfish | *Lepomis microlophus* |
| Bluegill | *Lepomis macrochirus* |
| Black crappie | *Pomoxis nigromaculatus* |
| White crappie | *Pomoxis annularis* |
| Yellow perch | *Perca flavescens* |
| Sauger | *Stizostedion canadense* |
| Walleye | *Stizostedion vitreum vitreum* |

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 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 be clearly identified.

003.02A4 Site-specific criteria shall 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 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 be clearly stated (e.g., specific levels of hardness, pH, or water temperature). Specific sampling requirements (e.g., location, frequency), if any, shall 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 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 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 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 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 communites 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 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/l.

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

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

003.02B1a(2)(b) Daily mean of not less than 5.0 mg/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 be suspended until the plant is back in operation. The first new day of operation shall 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 Platte River - Confluence of North and South Platte Rivers to Missouri River (segments MP1-10000, MP1-20000, MP2-10000, MP2-20000, MP2-30000, and MP2-40000, Middle Platte River Basin; segments LP1-10000 and LP1-20000, Lower Platte River Basin); Salt Creek - Hickman Branch to Platte River (segments LP2-10000, LP2-20000, and LP2-30000, Lower Platte River Basin); Wood River - Grand Island Utilities Ditch to Platte River (segment MP2-10100, Middle Platte River Basin); Loup River - Loup River Canal Diversion to Platte River (segments LO1-10000 and LO1-20000, Loup River Basin); and Republican River - Frenchman Creek to Nebraska-Kansas border (Sec 32-1N-6W) (segments RE1-10000, RE1-20000, RE1-30000, RE1-40000, RE1-50000, RE2-10000, RE3-10000, and RE3-20000, Republican River Basin).

003.02B2a Total Ammonia (as nitrogen).

003.02B2a(1) One-hour average concentration in mg/l not to exceed the numerical value given by

$$AV = (11.29)\left(\frac{0.0489}{1+10^{7.204-pH}} + \frac{6.95}{1+10^{pH-7.204}}\right)$$

003.02B2a(1)(a) The following table shows one-hour average criteria for total ammonia at various pHs.

| pH | Total Ammonia mg/l |
|---|---|
| 6.6 | 62.964 |
| 6.8 | 56.449 |
| 7.0 | 48.514 |
| 7.2 | 39.705 |
| 7.4 | 30.877 |
| 7.6 | 22.894 |
| 7.8 | 16.316 |
| 8.0 | 11.301 |
| 8.2 | 7.698 |
| 8.4 | 5.219 |
| 8.6 | 3.563 |
| 8.8 | 2.479 |
| 9.0 | 1.779 |

003.02B2a(2) Thirty-day average concentration in mg/l not to exceed the numerical value given by

$$CV = (1.27)\left(\frac{0.0676}{1+10^{7.688-pH}} + \frac{2.91}{1+10^{pH-7.688}}\right)$$

003.02B2a(2)(a) The highest four-day average concentration within a thirty-day period shall not exceed twice the thirty-day criterion.

003.02B2a(2)(b) The following table shows thirty-day average criteria for total ammonia at various pHs.

| pH | Total Ammonia mg/l |
|---|---|
| 6.6 | 3.423 |
| 6.8 | 3.282 |
| 7.0 | 3.081 |
| 7.2 | 2.810 |
| 7.4 | 2.468 |
| 7.6 | 2.073 |
| 7.8 | 1.659 |
| 8.0 | 1.269 |
| 8.2 | 0.935 |
| 8.4 | 0.673 |
| 8.6 | 0.480 |
| 8.8 | 0.345 |
| 9.0 | 0.254 |

003.02B3 Big Blue River - Lincoln Creek to Nebraska-Kansas border (Sec 35-1N-7E) (segments BB1-10000, BB1-20000, BB4-10000, and BB4-20000, Big Blue River Basin) and Lost Creek - Shonka Ditch to Platte River (segment LP1-21000, Lower Platte River Basin).

003.02B3a Total Ammonia (as nitrogen).

003.02B3a(1) One-hour average concentration in mg/l not to exceed the numerical value given by

$$AV = (11.69)\left(\frac{0.0489}{1+10^{7.204-pH}} + \frac{6.95}{1+10^{pH-7.204}}\right)$$

003.02B3a(1)(a) The following table shows one-hour average criteria for total ammonia at various pHs.

| pH | Total Ammonia mg/l |
|---|---|
| 6.6 | 65.161 |
| 6.8 | 58.418 |
| 7.0 | 50.206 |
| 7.2 | 41.090 |
| 7.4 | 31.954 |
| 7.6 | 23.692 |
| 7.8 | 16.885 |
| 8.0 | 11.695 |
| 8.2 | 7.966 |
| 8.4 | 5.401 |
| 8.6 | 3.687 |
| 8.8 | 2.566 |
| 9.0 | 1.842 |

003.02B3a(2) Thirty-day average concentration in mg/l not to exceed the numerical value given by

$$CV = (1.27)\left(\frac{0.0676}{1+10^{7.688-pH}} + \frac{2.91}{1+10^{pH-7.688}}\right)$$

003.02B3a(2)(a) The highest four-day average concentration within a thirty day period shall not exceed twice the thirty-day criterion.

003.02B3a(2)(b) The following table shows thirty-day average criteria for total ammonia at various pHs.

| pH | Total Ammonia mg/l |
|---|---|
| 6.6 | 3.423 |
| 6.8 | 3.282 |
| 7.0 | 3.081 |
| 7.2 | 2.810 |
| 7.4 | 2.468 |
| 7.6 | 2.073 |
| 7.8 | 1.659 |
| 8.0 | 1.269 |
| 8.2 | 0.935 |
| 8.4 | 0.673 |
| 8.6 | 0.480 |
| 8.8 | 0.345 |
| 9.0 | 0.254 |

003.02B4 Little Blue River - Spring Creek to Big Sandy Creek (segment LB2-10000, Little Blue River Basin); Elkhorn River - Cedar Creek to Platte River (segments EL1-10000, EL1-20000, and EL4-10000, Elkhorn River Basin); Logan Creek - South Logan Creek to Elkhorn River (segments EL2-10000 and EL2-20000, Elkhorn River Basin); and South Logan Creek - Dog Creek to Logan Creek (segment EL2-20800, Elkhorn River Basin).

003.02B4a Total Ammonia (as nitrogen).

003.02B4a(1) One-hour average concentration in mg/l not to exceed the numerical value given by

$$AV = (9.59)\left(\frac{0.0489}{1+10^{7.204-pH}} + \frac{6.95}{1+10^{pH-7.204}}\right)$$

003.02B4a(1)(a) The following table shows one-hour average criteria for total ammonia at various pHs.

| pH | Total Ammonia mg/l |
|---|---|
| 6.6 | 53.447 |
| 6.8 | 47.916 |
| 7.0 | 41.180 |
| 7.2 | 33.703 |
| 7.4 | 26.210 |
| 7.6 | 19.433 |
| 7.8 | 13.850 |
| 8.0 | 9.593 |
| 8.2 | 6.534 |
| 8.4 | 4.430 |
| 8.6 | 3.025 |
| 8.8 | 2.105 |
| 9.0 | 1.510 |

003.02B4a(2) Thirty-day average concentration in mg/l not to exceed the numerical value given by

$$CV = (1.27)\left(\frac{0.0676}{1+10^{7.688-pH}} + \frac{2.91}{1+10^{pH-7.688}}\right)$$

003.02B4a(2)(a) The highest four-day average concentration within a thirty-day period shall not exceed twice the thirty-day criterion.

003.02B4a(2)(b) The following table shows thirty-day average criteria for total ammonia at various pHs.

| pH | Total Ammonia mg/l |
|---|---|
| 6.6 | 3.423 |
| 6.8 | 3.282 |
| 7.0 | 3.081 |
| 7.2 | 2.810 |
| 7.4 | 2.468 |
| 7.6 | 2.073 |
| 7.8 | 1.659 |
| 8.0 | 1.269 |
| 8.2 | 0.935 |
| 8.4 | 0.673 |
| 8.6 | 0.480 |
| 8.8 | 0.345 |
| 9.0 | 0.254 |

003.02B5 Union Creek - Taylor Creek to Elkhorn River (segments EL1-21900 and EL1-22000, Elkhorn River Basin).

003.02B5a Total Ammonia (as nitrogen).

003.02B5a(1) One hour average concentration in mg/l not to exceed the numerical value given by

$$AV = (10.11)\left(\frac{0.0489}{1+10^{7.204-pH}} + \frac{6.95}{1+10^{pH-7.204}}\right)$$

003.02B5a(1)(a) The following table shows one-hour average criteria for total ammonia at various pHs.

| pH | Total Ammonia mg/l |
|---|---|
| 6.6 | 56.375 |
| 6.8 | 50.542 |
| 7.0 | 43.437 |
| 7.2 | 35.549 |
| 7.4 | 27.646 |
| 7.6 | 20.498 |
| 7.8 | 14.609 |
| 8.0 | 10.118 |
| 8.2 | 6.892 |
| 8.4 | 4.673 |
| 8.6 | 3.190 |
| 8.8 | 2.220 |
| 9.0 | 1.593 |

003.02B5a(2) Thirty-day average concentration in mg/l not to exceed the numerical value given by

$$CV = (1.27)\left(\frac{0.0676}{1+10^{7.688-pH}} + \frac{2.91}{1+10^{pH-7.688}}\right)$$

003.02B5a(2)(a) The highest four-day average concentration within a thirty-day period shall not exceed twice the thirty-day criterion.

003.02B5a(2)(b) The following table shows thirty-day average criteria for total ammonia at various pHs.

| pH | Total Ammonia mg/l |
|---|---|
| 6.6 | 3.423 |
| 6.8 | 3.282 |
| 7.0 | 3.081 |
| 7.2 | 2.810 |
| 7.4 | 2.468 |
| 7.6 | 2.073 |
| 7.8 | 1.659 |
| 8.0 | 1.269 |
| 8.2 | 0.935 |
| 8.4 | 0.673 |
| 8.6 | 0.480 |
| 8.8 | 0.345 |
| 9.0 | 0.254 |

003.02B6 Johnson Creek - Headwaters to Turkey Creek (segments NE2-12132 and NE2-12133, Nemaha River Basin).

003.02B6a Dissolved Zinc.

003.02B6a(1) One-hour average concentration in ug/l not to exceed the numerical value given by $(0.978)e^{(0.8473[\ln hardness]+1.7247)}$.

003.02B6a(2) Four-day average concentration in ug/l not to exceed the numerical value given by $(0.986)e^{(0.8473[\ln hardness]+1.6257)}$.

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 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.

003.03A1 Dissolved Oxygen.

003.03A1a One-day minimum of not less than 8.0 mg/l for salmonid early-life stages. This criterion applies from October 1 through May 31.

003.03A1b One-day minimum of not less than 4.0 mg/l for all life stages other than salmonid early-life stages. This criterion applies from June 1 through September 30.

003.03A1c Seven-day mean minimum of not less than 5.0 mg/l. This criterion applies from June 1 through September 30.

003.03A1d Seven-day mean of not less than 9.5 mg/l for salmonid early-life stages. This criterion applies from October 1 through May 31.

003.03A1e Thirty-day mean of not less than 6.5 mg/l. This criterion applies from June 1 through September 30.

003.03A2 Total Ammonia (as nitrogen).

003.03A2a One-hour average concentration in mg/l not to exceed the numerical value given by

$$AV = (5.62)\left(\frac{0.0489}{1+10^{7.204-pH}} + \frac{6.95}{1+10^{pH-7.204}}\right)$$

003.03A2a(1) The following table shows one-hour average criteria for total ammonia at various pHs.

| pH | Total Ammonia mg/l |
|---|---|
| 6.6 | 31.302 |
| 6.8 | 28.063 |
| 7.0 | 24.118 |
| 7.2 | 19.739 |
| 7.4 | 15.350 |
| 7.6 | 11.381 |
| 7.8 | 8.111 |
| 8.0 | 5.618 |
| 8.2 | 3.827 |
| 8.4 | 2.594 |
| 8.6 | 1.771 |
| 8.8 | 1.233 |
| 9.0 | 0.885 |

003.03A2b Thirty-day average concentration in mg/l not to exceed the numerical value given by

$$CV = (1.27)\left(\frac{0.0676}{1+10^{7.688-pH}} + \frac{2.91}{1+10^{pH-7.688}}\right)$$

003.03A2b(1) The highest four-day average concentration within a thirty-day period shall not exceed twice the thirty-day criterion.

003.03A2b(2) The following table shows thirty-day average criteria for total ammonia at various pHs.

| pH | Total Ammonia mg/l |
|---|---|
| 6.6 | 3.423 |
| 6.8 | 3.282 |
| 7.0 | 3.081 |
| 7.2 | 2.810 |
| 7.4 | 2.468 |
| 7.6 | 2.073 |
| 7.8 | 1.659 |
| 8.0 | 1.269 |
| 8.2 | 0.935 |
| 8.4 | 0.673 |
| 8.6 | 0.480 |
| 8.8 | 0.345 |
| 9.0 | 0.254 |

003.03A3 Residual Chlorine.

003.03A3a One-hour average concentration not to exceed 35 ug/l.

003.03A3b Four-day average concentration not to exceed 21 ug/l.

003.03A4 Toxic Substances.

003.03A4a The following numerical criteria shall not be exceeded.

| POLLUTANT | CRITERIA (ug/l) Acute | CRITERIA (ug/l) Chronic |
|---|---|---|
| Metals and Inorganics[1]: | | |
| Cadmium[2] | $(ACF)e^{(1.128[\ln hardness]-3.828)}$ [a] | $(CCF)e^{(0.7852[\ln hardness]-3.490)}$ [b] |
| Chromium (III) | $(0.316)e^{(0.819[\ln hardness]+3.688)}$ [a] | $(0.860)e^{(.0819[\ln hardness]+1.561)}$ [b] |
| Chromium (VI) | 33.39[a] | 22.13[b] |
| Copper | $(0.960)e^{(0.9422[\ln hardness]-0.9915)}$ [a] | $(0.960)e^{(.08545[\ln hardness]-0.9931)}$ [b] |
| Cyanide | 22[a] | 5.2[b] |
| Mercury[3] | 3.74[a] | 0.012[b] |
| Nickel | $(0.998)e^{(0.846[\ln hardness]+4.3527)}$ [a] | $(0.997)e^{(0.846[\ln hardness]+2.156)}$ [b] |
| Zinc | $(0.978)e^{(0.8473[\ln hardness]+1.7247)}$ [a] | $(0.986)e^{(0.8473[\ln hardness]+1.6257)}$ [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)]
[3] Chronic criterion for mercury applies to total recoverable concentrations

003.03B 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.

003.03B1 Dissolved Oxygen.

003.03B1a One-day minimum of not less than 5.0 mg/l for coldwater fish early-life stages. This criterion applies from April 1 through June 30.

003.03B1b One-day minimum of not less than 4.0 mg/l for all life stages other than coldwater fish early-life stages. This criterion applies from July 1 through March 31.

003.03B1c Seven-day mean minimum of not less than 5.0 mg/l. This criterion applies from July 1 through March 31.

003.03B1d Seven-day mean of not less than 6.5 mg/l for coldwater fish early-life stages. This criterion applies from April 1 through June 30.

003.03B1e Thirty-day mean of not less than 6.5 mg/l. This criterion applies from July 1 through March 31.

003.03B2 Total Ammonia (as nitrogen).

003.03B2a One-hour average concentration in mg/l not to exceed the numerical value given by

$$AV = (5.62)\left(\frac{0.0489}{1+10^{7.204-pH}} + \frac{6.95}{1+10^{pH-7.204}}\right)$$

003.03B2a(1) The following table shows one-hour average criteria for total ammonia at various pHs.

| pH | Total Ammonia mg/l |
|---|---|
| 6.6 | 31.302 |
| 6.8 | 28.063 |
| 7.0 | 24.118 |
| 7.2 | 19.739 |
| 7.4 | 15.350 |
| 7.6 | 11.381 |
| 7.8 | 8.111 |
| 8.0 | 5.618 |
| 8.2 | 3.827 |
| 8.4 | 2.594 |
| 8.6 | 1.771 |
| 8.8 | 1.233 |
| 9.0 | 0.885 |

003.03B2b Thirty-day average concentration in mg/l not to exceed the numerical value given by

$$CV = (1.27)\left(\frac{0.0676}{1+10^{7.688-pH}} + \frac{2.91}{1+10^{pH-7.688}}\right)$$

003.03B2b(1) The highest four-day average concentration within a thirty-day period shall not exceed twice the thirty-day criterion.

003.03B2b(2) The following table shows thirty-day average criteria for total ammonia at various pHs.

| pH | Total Ammonia mg/l |
|---|---|
| 6.6 | 3.423 |
| 6.8 | 3.282 |
| 7.0 | 3.081 |
| 7.2 | 2.810 |
| 7.4 | 2.468 |
| 7.6 | 2.073 |
| 7.8 | 1.659 |
| 8.0 | 1.269 |
| 8.2 | 0.935 |
| 8.4 | 0.673 |
| 8.6 | 0.480 |
| 8.8 | 0.345 |
| 9.0 | 0.254 |

003.03B3 Residual Chlorine.

003.03B3a Lakes and Impounded Waters.

003.03B3a(1) One-hour average concentration not to exceed 19 ug/l.

003.03B3a(2) Four-day average concentration not to exceed 11 ug/l.

003.03B3b Streams.

003.03B3b(1) One-hour average concentration not to exceed 35 ug/l.

003.03B3b(2) Four-day average concentration not to exceed 21 ug/l.

003.03B4 Toxic Substances.

003.03B4a The following numerical criteria for lakes and impounded waters shall not be exceeded.

| POLLUTANT | CRITERIA (ug/l) Acute | CRITERIA (ug/l) Chronic |
|---|---|---|
| Metals and Inorganics[1]: | | |
| Cadmium[2] | $(ACF)e^{(1.128[\ln hardness]-3.828)}$ [a] | $(CCF)e^{(0.7852[\ln hardness]-3.490)}$ [b] |
| Chromium (III) | $(0.316)e^{(0.819[\ln hardness]+3.688)}$ [a] | $(0.860)e^{(.0819[\ln hardness]+1.561)}$ [b] |
| Chromium (VI) | 15.71[a] | 10.58[b] |
| Copper | $(0.960)e^{(0.9422[\ln hardness]-1.464)}$ [a] | $(0.960)e^{(.08545[\ln hardness]-1.465)}$ [b] |
| Cyanide | 22[a] | 5.2[b] |
| Mercury[3] | 2.04[a] | 0.012[b] |
| Nickel | $(0.998)e^{(0.846[\ln hardness]+3.3612)}$ [a] | $(0.997)e^{(0.846[\ln hardness]+1.1645)}$ [b] |
| Zinc | $(0.978)e^{(0.8473[\ln hardness]+0.8604)}$ [a] | $(0.986)e^{(0.8473[\ln hardness]+0.7614)}$ [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)]

[3] Chronic criterion for mercury applies to total recoverable concentrations

003.03B4b The following numerical criteria for streams shall not be exceeded.

| POLLUTANT | CRITERIA (ug/l) Acute | Chronic |
|---|---|---|
| Metals and Inorganics[1]: | | |
| Cadmium[2] | $(ACF)e^{(1.128[\ln hardness]-3.828)}$ [a] | $(CCF)e^{(0.7852[\ln hardness]-3.490)}$ [b] |
| Chromium (III) | $(0.316)e^{(0.819[\ln hardness]+3.688)}$ [a] | $(0.860)e^{(.0819[\ln hardness]+1.561)}$ [b] |
| Chromium (VI) | 33.39[a] | 22.13[b] |
| Copper | $(0.960)e^{(0.9422[\ln hardness]-0.9915)}$ [a] | $(0.960)e^{(.08545[\ln hardness]-0.9931)}$ [b] |
| Cyanide | 22[a] | 5.2[b] |
| Mercury[3] | 3.74[a] | 0.012[b] |
| Nickel | $(0.998)e^{(0.846[\ln hardness]+4.3527)}$ [a] | $(0.997)e^{(0.846[\ln hardness]+2.156)}$ [b] |
| Zinc | $(0.978)e^{(0.8473[\ln hardness]+1.7247)}$ [a] | $(0.986)e^{(0.8473[\ln hardness]+1.6257)}$ [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)]

[3] Chronic criterion for mercury applies to total recoverable concentrations

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 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.

003.04A1 Dissolved Oxygen.

003.04A1a One-day minimum of not less than 5.0 mg/l for early-life stages. This criterion applies from April 1 through September 30.

003.04A1b One-day minimum of not less than 3.0 mg/l for all life stages other than early-life stages. This criterion applies from October 1 through March 31.

003.04A1c Seven-day mean minimum of not less than 4.0 mg/l. This criterion applies from October 1 through March 31.

003.04A1d Seven-day mean of not less than 6.0 mg/l for early-life stages. This criterion applies from April 1 through September 30.

003.04A1e Thirty-day mean of not less than 5.5 mg/l. This criterion applies from October 1 through March 31.

003.04A2 Total Ammonia (as nitrogen).

003.04A2a One-hour average concentration in mg/l not to exceed the numerical value given by

$$AV = (8.80)\left(\frac{0.0489}{1+10^{7.204-pH}} + \frac{6.95}{1+10^{pH-7.204}}\right)$$

003.04A2a(1) The following table shows one-hour average criteria for total ammonia at various pHs.

| pH | Total Ammonia mg/l |
|---|---|
| 6.6 | 49.030 |
| 6.8 | 43.956 |
| 7.0 | 37.777 |
| 7.2 | 30.917 |
| 7.4 | 24.044 |
| 7.6 | 17.827 |
| 7.8 | 12.705 |
| 8.0 | 8.800 |
| 8.2 | 5.994 |
| 8.4 | 4.064 |
| 8.6 | 2.775 |
| 8.8 | 1.931 |
| 9.0 | 1.386 |

003.04A2b Thirty-day average concentration in mg/l not to exceed the numerical value given by

$$CV = (1.27)\left(\frac{0.0676}{1+10^{7.688-pH}} + \frac{2.91}{1+10^{pH-7.688}}\right)$$

003.04A2b(1) The highest four-day average concentration within a thirty-day period shall not exceed twice the thirty-day criterion.

003.04A2b(2) The following table shows thirty-day average criteria for total ammonia at various pHs.

| pH | Total Ammonia mg/l |
|---|---|
| 6.6 | 3.423 |
| 6.8 | 3.282 |
| 7.0 | 3.081 |
| 7.2 | 2.810 |
| 7.4 | 2.468 |
| 7.6 | 2.073 |
| 7.8 | 1.659 |
| 8.0 | 1.269 |
| 8.2 | 0.935 |
| 8.4 | 0.673 |
| 8.6 | 0.480 |
| 8.8 | 0.345 |
| 9.0 | 0.254 |

003.04A3 Residual Chlorine.

003.04A3a Lakes and Impounded Waters.

003.04A3a(1) One-hour average concentration not to exceed 19 ug/l.

003.04A3a(2) Four-day average concentration not to exceed 11 ug/l.

003.04A3b Streams.

003.04A3b(1) One-hour average concentration not to exceed 36 ug/l.

003.04A3b(2) Four-day average concentration not to exceed 22 ug/l.

003.04A4 Toxic Substances.

003.04A4a The following numerical criteria for lakes and impounded waters shall not be exceeded.

| POLLUTANT | CRITERIA (ug/l) Acute | CRITERIA (ug/l) Chronic |
|---|---|---|
| Metals and Inorganics[1]: | | |
| Cadmium[2] | $(ACF)\,e^{(1.128[\ln hardness]-1.7637)}$ [a] | $(CCF)\,e^{(0.7852[\ln hardness]-3.490)}$ [b] |
| Chromium (III) | $(0.316)\,e^{(0.819[\ln hardness]+3.688)}$ [a] | $(0.860)\,e^{(.0819[\ln hardness]+1.561)}$ [b] |
| Chromium (VI) | 15.71[a] | 10.58[b] |
| Copper | $(0.960)\,e^{(0.9422[\ln hardness]-1.464)}$ [a] | $(0.960)\,e^{(.08545[\ln hardness]-1.465)}$ [b] |
| Cyanide | 45[a] | 11[b] |
| Mercury[3] | 2.04[a] | 0.012[b] |
| Nickel | $(0.998)\,e^{(0.846[\ln hardness]+3.3612)}$ [a] | $(0.997)\,e^{(0.846[\ln hardness]+1.1645)}$ [b] |
| Zinc | $(0.978)\,e^{(0.8473[\ln hardness]+0.8604)}$ [a] | $(0.986)\,e^{(0.8473[\ln hardness]+0.7614)}$ [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)]

[3] Chronic criterion for mercury applies to total recoverable concentrations

003.04A4b The following numerical criteria for streams shall not be exceeded.

| POLLUTANT | CRITERIA (ug/l) Acute | Chronic |
|---|---|---|
| Metals and Inorganics[1]: | | |
| Cadmium[2] | $(ACF)\,e^{(1.128[\ln hardness]-1.6881)}$ [a] | $(CCF)\,e^{(0.7852[\ln hardness]-1.2951)}$ [b] |
| Chromium (III) | $(0.316)\,e^{(0.819[\ln hardness]+3.7437)}$ [a] | $(0.860)\,e^{(.0819[\ln hardness]+1.561)}$ [b] |
| Chromium (VI) | 309.3[a] | 207.8[b] |
| Copper | $(0.960)\,e^{(0.9422[\ln hardness]-0.6289)}$ [a] | $(0.960)\,e^{(.08545[\ln hardness]-0.6305)}$ [b] |
| Cyanide | 41[a] | 10[b] |
| Mercury[3] | 8.76[a] | 0.012[b] |
| Nickel | $(0.998)\,e^{(0.846[\ln hardness]+4.0970)}$ [a] | $(0.997)\,e^{(0.846[\ln hardness]+1.9003)}$ [b] |
| Zinc | $(0.978)\,e^{(0.8473[\ln hardness]+3.1217)}$ [a] | $(0.986)\,e^{(0.8473[\ln hardness]+3.0227)}$ [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)]

[3] Chronic criterion for mercury applies to total recoverable concentrations

003.04B 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.

003.04B1 Dissolved Oxygen.

003.04B1a One-day minimum of not less than 5.0 mg/l for early-life stages. This criterion applies from April 1 through September 30.

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

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

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

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

003.04B2 Total Ammonia (as nitrogen).

003.04B2a One-hour average concentration in mg/l not to exceed the numerical value given by

$$AV = (12.08)\left(\frac{0.0489}{1+10^{7.204-pH}} + \frac{6.95}{1+10^{pH-7.204}}\right)$$

003.04B2a(1) The following table shows one-hour average criteria for total ammonia at various pHs.

| pH | Total Ammonia mg/l |
|---|---|
| 6.6 | 67.357 |
| 6.8 | 60.387 |
| 7.0 | 51.898 |
| 7.2 | 42.475 |
| 7.4 | 33.031 |
| 7.6 | 24.491 |
| 7.8 | 17.455 |
| 8.0 | 12.089 |
| 8.2 | 8.235 |
| 8.4 | 5.583 |
| 8.6 | 3.812 |
| 8.8 | 2.652 |
| 9.0 | 1.904 |

003.04B2b Thirty-day average concentration in mg/l not to exceed the numerical value given by

$$CV = (1.27)\left(\frac{0.0676}{1+10^{7.688-pH}} + \frac{2.91}{1+10^{pH-7.688}}\right)$$

003.04B2b(1) The highest four-day average concentration within a thirty-day period shall not exceed twice the thirty-day criterion.

003.04B2b(2) The following table shows thirty-day average criteria for total ammonia at various pHs.

| pH | Total Ammonia mg/l |
|---|---|
| 6.6 | 3.423 |
| 6.8 | 3.282 |
| 7.0 | 3.081 |
| 7.2 | 2.810 |
| 7.4 | 2.468 |
| 7.6 | 2.073 |
| 7.8 | 1.659 |
| 8.0 | 1.269 |
| 8.2 | 0.935 |
| 8.4 | 0.673 |
| 8.6 | 0.480 |
| 8.8 | 0.345 |
| 9.0 | 0.254 |

003.04B3 Residual Chlorine.

003.04B3a One-hour average concentration not to exceed 39 ug/l.

003.04B3b Four-day average concentration not to exceed 23 ug/l.

003.04B4 Toxic Substances.

003.04B4a The following numerical criteria shall not be exceeded.

| POLLUTANT | CRITERIA (ug/l) Acute | CRITERIA (ug/l) Chronic |
|---|---|---|
| Metals and Inorganics[1]: | | |
| Cadmium[2] | $(ACF)\,e^{(1.128[\ln hardness]-1.6881)}$ [a] | $(CCF)\,e^{(0.7852[\ln hardness]-1.2951)}$ [b] |
| Chromium (III) | $(0.316)\,e^{(0.819[\ln hardness]+3.7437)}$ [a] | $(0.860)\,e^{(.0819[\ln hardness]+1.561)}$ [b] |
| Chromium (VI) | 309.3[a] | 207.8[b] |
| Copper | $(0.960)\,e^{(0.9422[\ln hardness]-0.6289)}$ [a] | $(0.960)\,e^{(.08545[\ln hardness]-0.6305)}$ [b] |
| Cyanide | 41[a] | 10[b] |
| Mercury[3] | 8.76[a] | 0.012[b] |
| Nickel | $(0.998)\,e^{(0.846[\ln hardness]+4.0970)}$ [a] | $(0.997)\,e^{(0.846[\ln hardness]+1.9003)}$ [b] |
| Zinc | $(0.978)\,e^{(0.8473[\ln hardness]+3.1217)}$ [a] | $(0.986)\,e^{(0.8473[\ln hardness]+3.0227)}$ [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)]

[3] Chronic criterion for mercury applies to total recoverable concentrations

## 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 not be allowed.

#### 004.01B Numerical Criteria.

Numerical criteria for the parameters listed below shall not be exceeded. Any substance introduced directly or indirectly by human activity shall not 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 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 be used in place of the numerical criteria.

| POLLUTANT | NUMERICAL LIMIT |
|---|---|
| Inorganics: | |
| Antimony | 0.006 mg/l |
| Arsenic | 0.05 mg/l |
| Asbestos | 7 million fibers/liter with fiber length >10 microns |
| Barium | 2.0 mg/l |
| Beryllium | 0.004 mg/l |
| Cadmium | 0.005 mg/l |
| Chromium | 0.1 mg/l |
| Cyanide (as free cyanide) | 0.2 mg/l |
| Fluoride | 4.0 mg/l |
| Mercury | 0.002 mg/l |
| Nitrate-nitrogen | 10 mg/l |
| Nitrite-nitrogen | 1 mg/l |
| Selenium | 0.05 mg/l |
| Thallium | 0.002 mg/l |
| Organics: | |
| Alachlor | 0.002 mg/l |
| Atrazine | 0.003 mg/l |
| Benzene | 0.005 mg/l |
| Benzo(a)pyrene | 0.0002 mg/l |
| Carbofuran | 0.04 mg/l |
| Carbon tetrachloride | 0.005 mg/l |
| Chlorobenzene | 0.1 mg/l |
| Chlordane | 0.002 mg/l |
| cis-1,2-Dichloroethylene | 0.07 mg/l |
| Dalapon | 0.2 mg/l |
| Dibromochloropropane (DBCP) | 0.0002 mg/l |
| Dichloromethane | 0.005 mg/l |
| Di(2-ethylhexyl)adipate | 0.4 mg/l |
| Di(2-ethylhexyl)phthalate | 0.006 mg/l |

| POLLUTANT | NUMERICAL LIMIT |
|---|---|
| Dinoseb | 0.007 mg/l |
| Dioxin (2,3,7,8-TCDD) | 0.00000003mg/l |
| Diquat | 0.02 mg/l |
| Endothall | 0.1mg/l |
| Endrin | 0.002 mg/l |
| Ethylbenzene | 0.7 mg/l |
| Ethylene dibromide | 0.00005 mg/l |
| Glyphosate | 0.7 mg/l |
| Heptachlor | 0.0004 mg/l |
| Heptachlor epoxide | 0.0002 mg/l |
| Hexachlorobenzene | 0.001 mg/l |
| Hexachlorocyclopentadiene | 0.05 mg/l |
| Lindane | 0.0002 mg/l |
| Methoxychlor | 0.04 mg/l |
| o-Dichlorobenzene | 0.6 mg/l |
| Oxamyl (Vydate) | 0.2 mg/l |
| 2,4,5-TP Silvex | 0.05 mg/l |
| 2,4-D | 0.07 mg/l |
| PCB's | 0.0005 mg/l |
| Pentachlorophenol | 0.001 mg/l |
| Picloram | 0.5 mg/l |
| Simazine | 0.004 mg/l |
| Styrene | 0.1 mg/l |
| trans-1,2-Dichloroethylene | 0.1 mg/l |
| 1,2,4-Trichlorobenzene | 0.07 mg/l |
| Trichloroethylene | 0.005 mg/l |
| Tetrachloroethylene | 0.005 mg/l |
| Toluene | 1.0 mg/l |
| Total trihalomethanes | 0.1 mg/l |
| Toxaphene | 0.003 mg/l |
| Vinyl chloride | 0.002 mg/l |
| Xylenes | 10.0 mg/l |
| 1,2-Dichloropropane | 0.005 mg/l |
| 1,2-Dichloroethane | 0.005 mg/l |
| 1,1-Dichloroethylene | 0.007 mg/l |

| POLLUTANT | NUMERICAL LIMIT |
|---|---|
| 1,1,1-Trichloroethane | 0.2 mg/l |
| 1,1,2-Trichloroethane | 0.005 mg/l |
| p-Dichlorobenzene | 0.075 mg/l |
| Radionuclides: | |
| Beta particles and photon emitters | 4 millirems per year |
| Combined radium-226 and radium-228 | 5 pCi/l |
| Gross alpha particle activity (including radium-226 but excluding radon and uranium) | 15 pCi/l |
| Other Parameters Affecting Use: | |
| Aluminum | 0.2 mg/l |
| Chloride | 250 mg/l |
| Copper | 1 mg/l |
| Foaming Agents (methylene-blue active substances) | 0.5 mg/l |
| Iron | 0.3 mg/l |
| Manganese | 0.05 mg/l |
| Silver | 0.10 mg/l |
| Sulfate | 250 mg/l |
| Total Dissolved Solids | 500 mg/l |
| Zinc | 5 mg/l |

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 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/l.

004.02B3 Selenium.

Not to exceed 0.02 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 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 also 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

APPROVED as to amendments
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ATTORNEY GENERAL
DEC 22 1999
BY
Assistant Attorney General

APPROVED
FEB 02 2000
MIKE JOHANNS
GOVERNOR

FILED
FEB -2 2000
SECRETARY OF STATE
BY

FILED

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

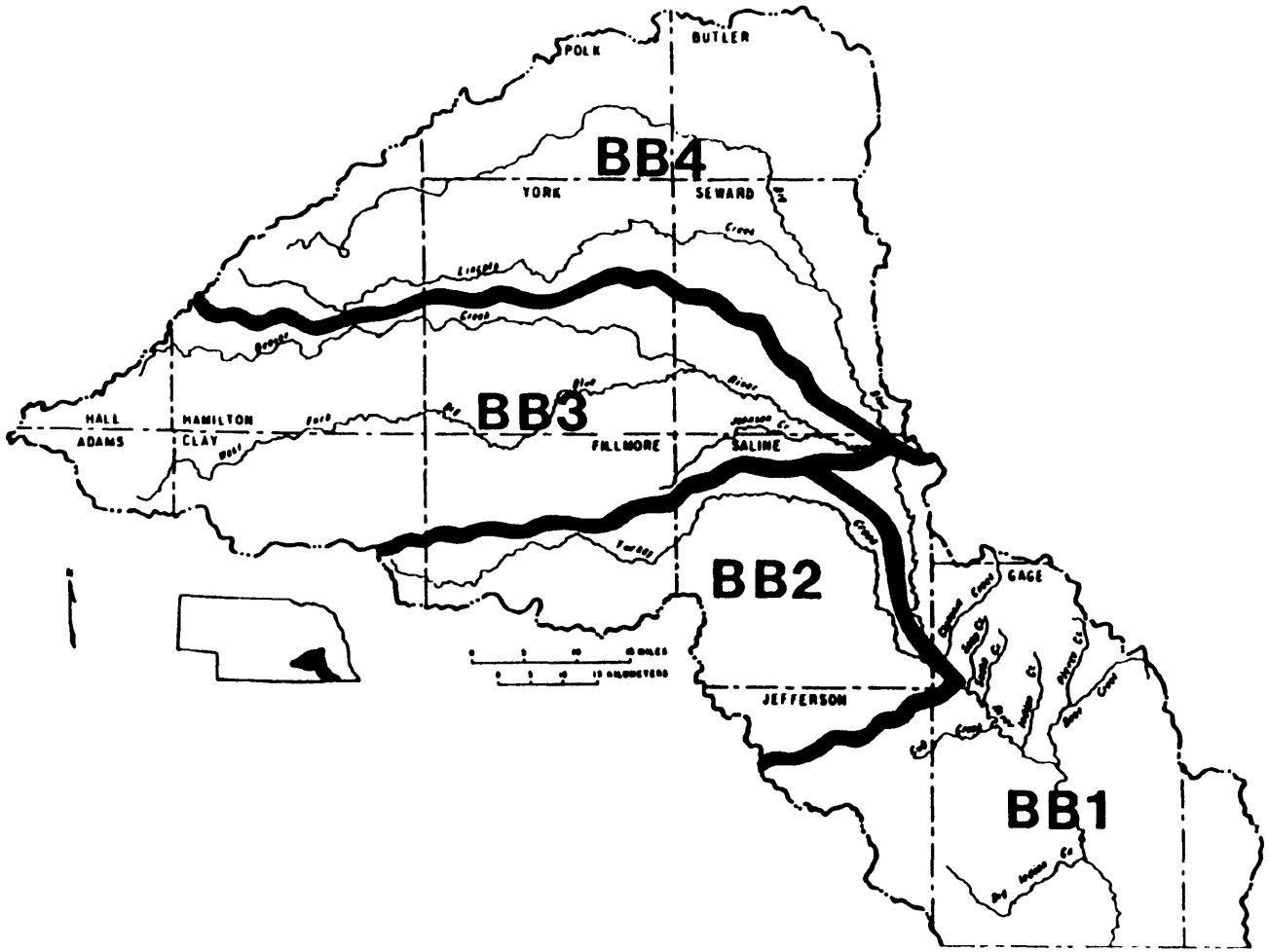
| Species Code | Common Name |
|---|---|
| 1 | Lake sturgeon |
| 2 | Pallid sturgeon |
| 3 | Northern redbelly dace |
| 4 | Pearl dace |
| 5 | Finescale dace |
| 6 | Blacknose shiner |
| 7 | Lake chub |
| 8 | Brook Stickleback |
| 9 | Iowa darter |
| 10 | Johnny darter |
| 11 | Orangethroat darter |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

Amendments
APPROVED
DON STENBERG
ATTORNEY GENERAL
DEC 22 1999
BY
Assistant Attorney General

APPROVED
FEB 02 2000
MIKE JOHANNS
GOVERNOR

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

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




BIG BLUE RIVER BASIN (and Subbasins)

# Subbasin BB1

**RIVER BASIN:** Big Blue

**Subbasin:** BB1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Big Blue River - Turkey Creek to Nebraska-Kansas border (Sec 35-1N-7E) | 10000 | | ● | | A* | | A | | ● | i,j | |
| Mission Creek - Nebraska-Kansas border (Sec 33-1N-8E) to Nebraska-Kansas border (Sec 35-1N-7E) | 10100 | | | | A | | A | | ● | i,j | |
| 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 | Sensitive Species |
| Plum Creek - Arkeketa Creek to Big Blue River | 10400 | | | | A | | A | | ● | i | |
| Arkeketa Creek | 10410 | | | | B | | A | | ● | | |
| Plum Creek - Headwaters to Arkeketa Creek | 10500 | | | | B | | A | | ● | | |
| Tipps Creek | 10510 | | | | B | | A | | ● | | |
| Wildcat Creek - Wolf Creek to Big Blue River | 10600 | | | | A | | A | | ● | i | |
| Wolf Creek | 10610 | | | | B | | A | | ● | | |
| Wildcat Creek - Headwaters to Wolf Creek | 10700 | | | | B | | A | | ● | | |
| Big Indian Creek - Sicily Creek to Big Blue River | 10800 | | | | A | | A | | ● | i | |
| Squaw 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 | | ● | | |
| Mud Creek - Bloody Run to Big Blue River | 11100 | | | | B | | A | | ● | i | |
| Bloody Run | 11110 | | | | B | | A | | ● | | |
| Mud Creek - Headwaters to Bloody Run | 11200 | | | | B | | A | | ● | | |
| Cedar Creek | 11300 | | | | B | | A | | ● | i | |
| Bear Creek - Pierce Creek to Big Blue River | 11400 | | | | A | | A | | ● | i | |
| 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 | | ● | | |
| Town Creek | 11610 | | | | B | | A | | ● | | |

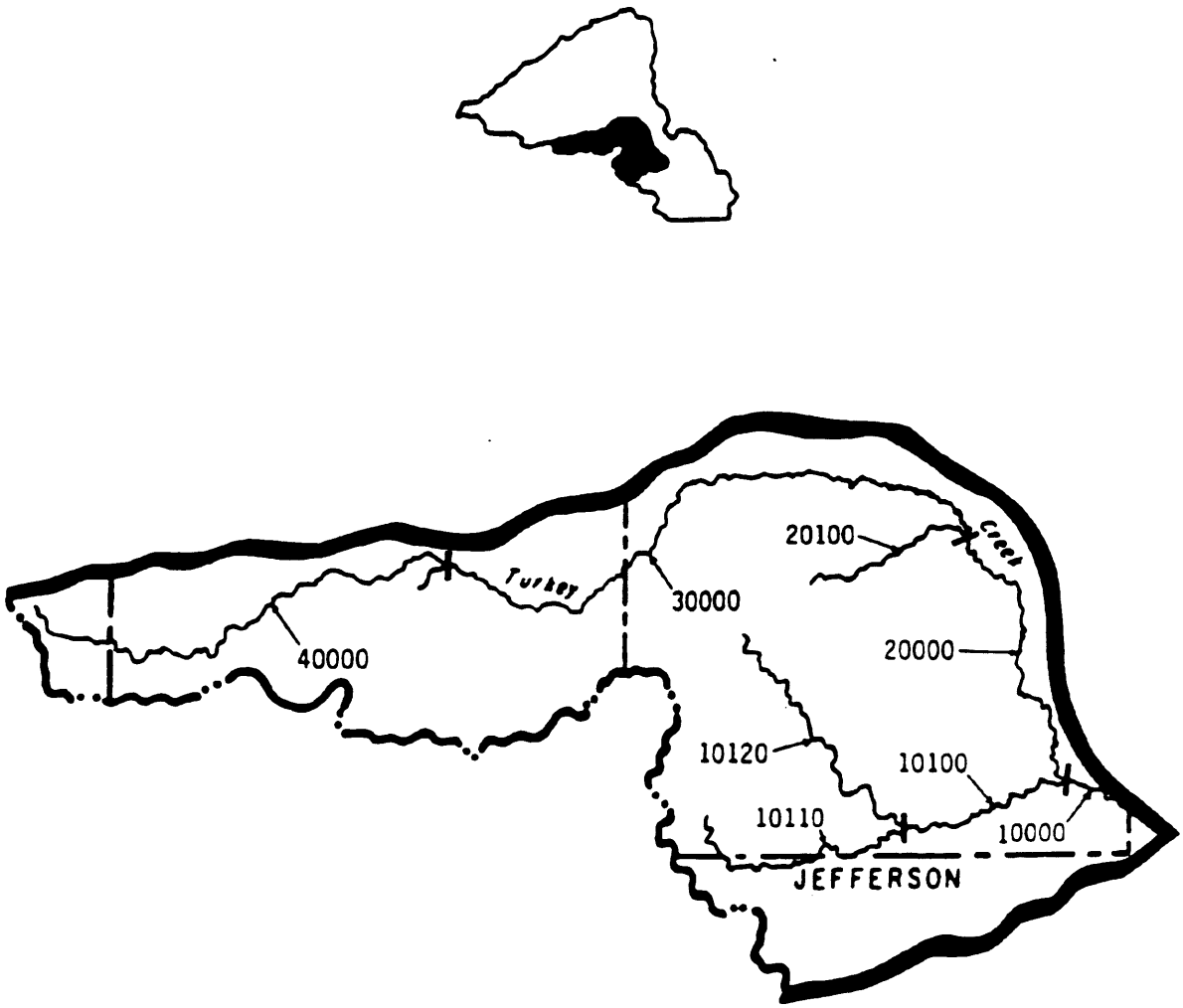
*Site-specific water quality criteria for un-ionized ammonia are assigned (see Chapter 4, 003.02B).

**RIVER BASIN:** Big Blue

**Subbasin:** BB1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Indian Creek - Headwaters to Town Creek | 11700 | | | | B | | A | | ● | | |
| Bottle Creek | 11800 | | | | B | | A | | ● | | |
| Cub Creek | 11900 | | | | A | | A | | ● | i | |
| Soap Creek | 12000 | | | | B | | A | | ● | | |
| Turkey Creek (see subbasin BB2) | — | | | | | | | | | | |
| Big Blue River - West Fork Big Blue River to Turkey Creek | 20000 | | ● | | A* | | A | | ● | i,j | |
| Clatonia Creek | 20100 | | | | B | | A | | ● | | |
| West Fork Big Blue River (see subbasin BB3) | — | | | | | | | | | | |

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

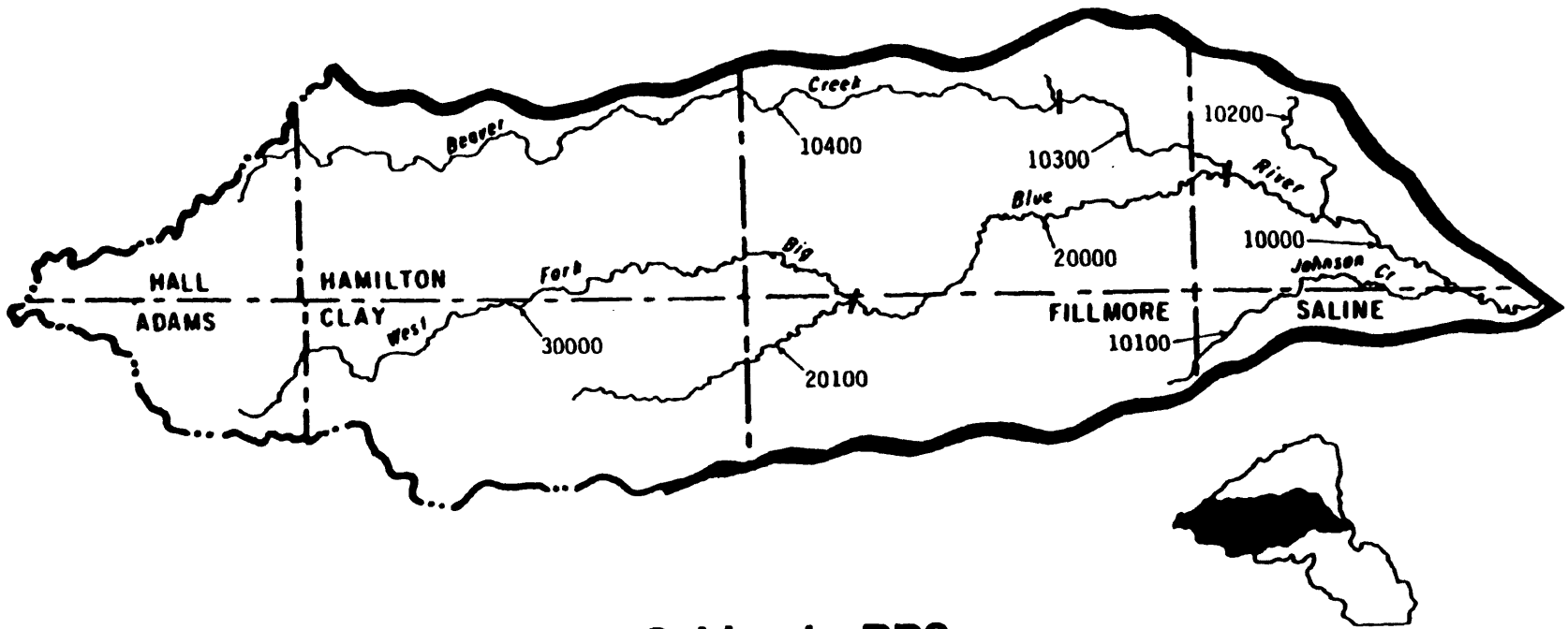



# Subbasin BB2

**RIVER BASIN:** Big Blue

**Subbasin:** BB2

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

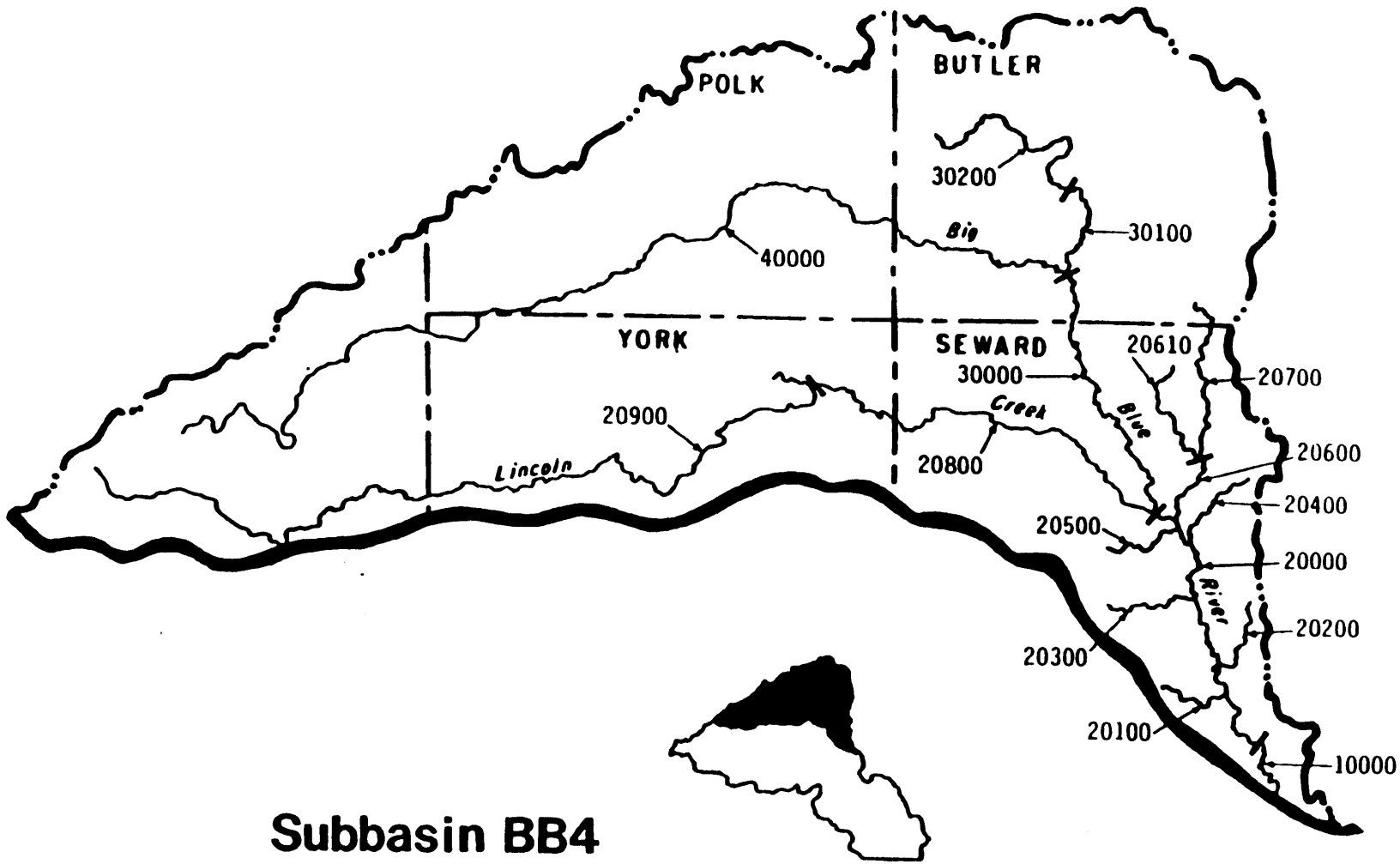



**Subbasin BB3**

**RIVER BASIN:** Big Blue

**Subbasin:** BB3

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



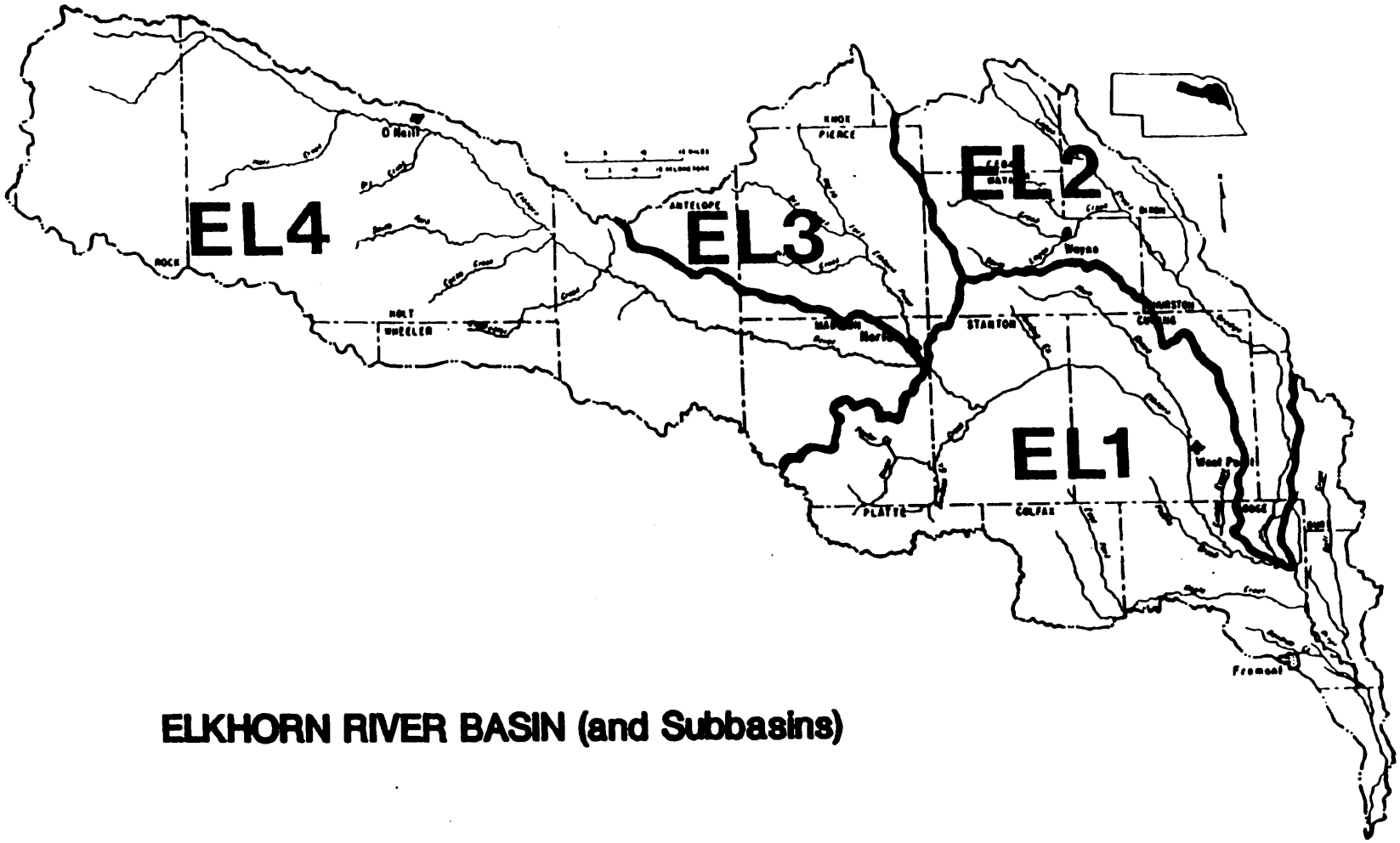

Subbasin BB4

**RIVER BASIN:** Big Blue

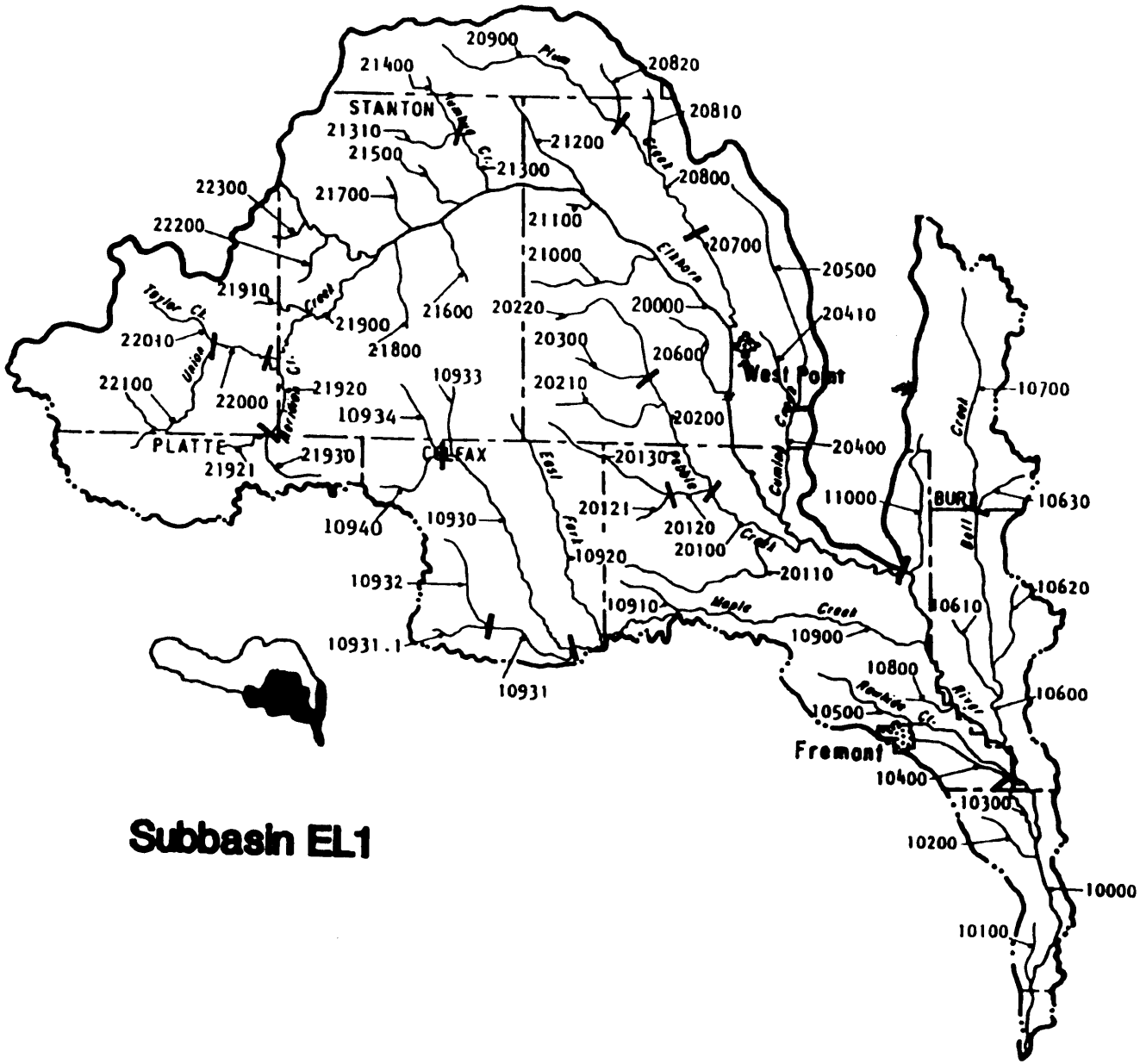
**Subbasin:** BB4

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

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




ELKHORN RIVER BASIN (and Subbasins)




Subbasin EL1

**RIVER BASIN:** Elkhorn

**Subbasin:** EL 1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Elkhorn River - Logan Creek to Platte River | 10000 | | ● | | A* | | A | | ● | i,j | |
| Unnamed Creek (Sec 9-14N-10E) | 10100 | | | | B | | A | | ● | | |
| Big Slough | 10200 | | | | B | | A | | ● | | |
| Rawhide Creek (old channel, Sec 21-16N-10E) - Sec 35-17N-9E to Elkhorn River | 10300 | | | | A | | A | | ● | i | |
| Rawhide Creek (drainage ditch to old channel) - Headwaters to Sec 35-17N-9E | 10400 | | | | B | | A | | ● | | |
| Rawhide Creek (new channel, Sec 4-16N-10E) | 10500 | | | | B | | A | | ● | | |
| Bell Creek - Unnamed Creek (Sec 26-20N-9E) to Elkhorn River | 10600 | | | | A | | A | | ● | i | |
| Brown Creek | 10610 | | | | B | | A | | ● | | |
| 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 | | ● | | |
| Maple Creek - Confluence of East and West Fork Maple Creeks to Elkhorn River | 10900 | | | | A | | A | | ● | i | |
| Crystal Creek | 10910 | | | | B | | A | | ● | | |
| East Fork Maple Creek | 10920 | | | | B | | A | | ● | | |
| West Fork Maple Creek - Unnamed Creek (Sec 2-20N-2E) to Maple Creek | 10930 | | | | B | | A | | ● | | |
| Dry Creek - South Fork Dry Creek to Middle 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 | | ● | | |
| Unnamed Creek (Sec 2-20N-2E) | 10934 | | | | B | | A | | ● | | |
| West Fork Maple Creek - Headwaters to Unnamed Creek (Sec 2-20N-2E) | 10940 | | | | B | | A | | ● | | |
| Clark Creek | 11000 | | | | B | | A | | ● | | |

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

**RIVER BASIN:** Elkhorn

**Subbasin:** EL1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Logan Creek (see subbasin EL2) | — | | | | | | | | | | |
| Elkhorn River - North Fork Elkhorn River to Logan Creek | 20000 | | ● | | A* | | A | | ● | ij | |
| Pebble Creek - Unnamed Creek (Sec 17-20N-6E) to Elkhorn River | 20100 | | | | A | | A | | ● | i | |
| Silver Creek | 20110 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 17-20N-6E) - Unnamed Creek (Sec 24-20N-5E) to Pebble Creek | 20120 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 24-20N-5E) | 20121 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 17-20N-6E) - Headwaters to Unnamed Creek (Sec 24-20N-5E) | 20130 | | | | B | | A | | ● | | |
| Pebble Creek - North Branch Pebble Creek to Unnamed Creek (Sec 17-20N-6E) | 20200 | | | | B | | A | | ● | | |
| South Branch Pebble Creek | 20210 | | | | B | | A | | ● | | |
| North Branch Pebble Creek | 20220 | | | | B | | A | | ● | | |
| Pebble Creek - Headwaters to North Branch Pebble Creek | 20300 | | | | B | | A | | ● | | |
| Cuming Creek - Willow Creek to Elkhorn River | 20400 | | | | B | | A | | ● | | |
| Willow Creek | 20410 | | | | B | | A | | ● | | |
| Cuming Creek - Headwaters to Willow Creek | 20500 | | | | B | | A | | ● | | |
| Fisher Creek | 20600 | | | | B | | A | | ● | | |
| Plum Creek - Sec 13-23N-5E to Elkhorn River | 20700 | | | | B | | A | | ● | | |
| Plum Creek - Kane Creek to Sec 13-23N-5E | 20800 | | | | B | | A | | ● | | |
| Dry Creek | 20810 | | | | B | | A | | ● | | |
| Kane Creek | 20820 | | | | B | | A | | ● | | |
| Plum Creek - Headwaters to Kane Creek | 20900 | | | | B | | A | | ● | | |
| Rock Creek | 21000 | | | | A | | A | | ● | i | |
| Leisy Creek | 21100 | | | | B | | A | | ● | | |
| Sand Creek | 21200 | | | | B | | A | | ● | | |

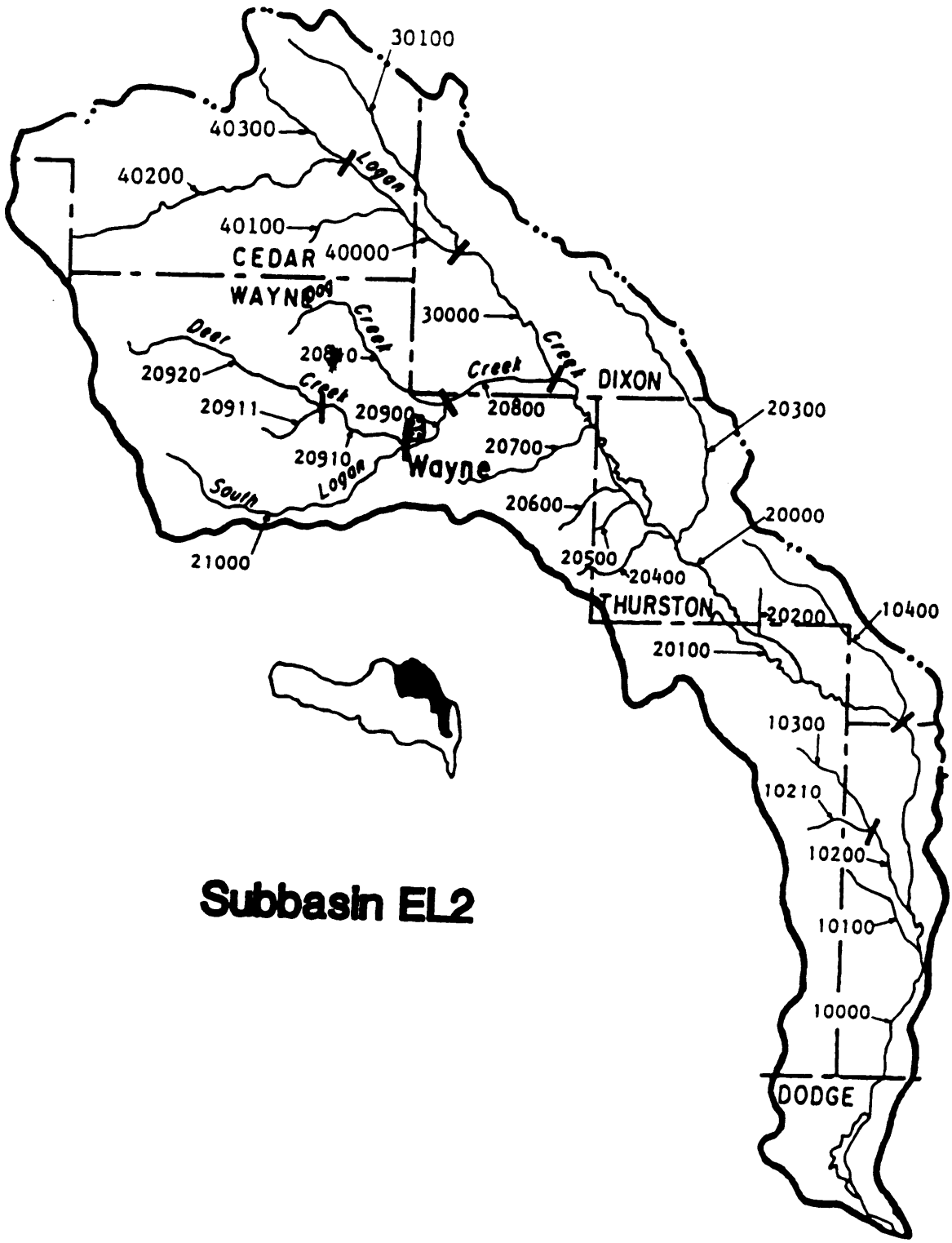
*Site-specific water quality criteria for un-ionized ammonia are assigned (see Chapter 4, 003.02B).

**RIVER BASIN:** Elkhorn

**Subbasin:** EL1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Humbug Creek - South Humbug Creek to Elkhorn River | 21300 | | | | B | | A | | ● | | |
| South Humbug Creek | 21310 | | | | B | | A | | ● | | |
| Humbug Creek - Headwaters to South Humbug Creek | 21400 | | | | B | | A | | ● | | |
| Payne Creek | 21500 | | | | B | | A | | ● | | |
| Cedar Creek | 21600 | | | | B | | A | | ● | | |
| Indian Creek | 21700 | | | | B | | A | | ● | | |
| Butterfly Creek | 21800 | | | | B | | A | | ● | | |
| Union Creek - Meridian Creek to Elkhorn River | 21900 | | | | A* | | A | | ● | i | |
| Sand Creek | 21910 | | | | B | | A | | ● | | |
| Meridian Creek - Tracy Creek to Union Creek | 21920 | | | | B | | A | | ● | | |
| Tracy Creek | 21921 | | | | B | | A | | ● | | |
| Meridian Creek - Headwaters to Tracy Creek | 21930 | | | | B | | A | | ● | | |
| Union Creek - Taylor Creek to Meridian Creek | 22000 | | | | A* | | A | | ● | i | |
| Taylor Creek | 22010 | | | B | | | A | | ● | 17 | Endangered Species |
| Union Creek - Headwaters to Taylor Creek | 22100 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 26-23N-1E) | 22200 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 21-23N-1E) | 22300 | | | | B | | A | | ● | | |
| North Fork Elkhorn River (see subbasin EL3) | — | | | | | | | | | | |

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




Subbasin EL2

**RIVER BASIN:** Elkhorn

**Subbasin:** EL2

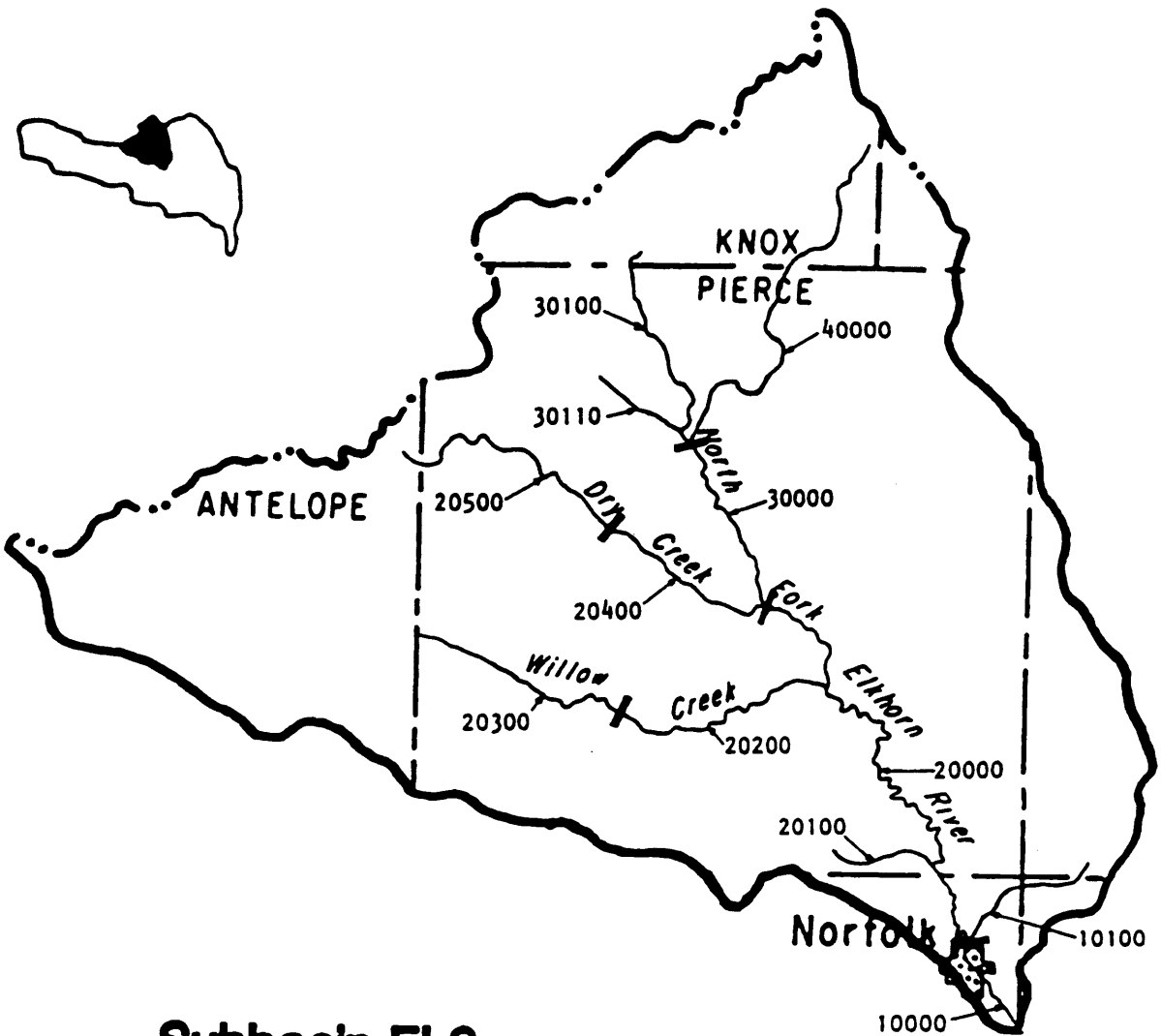
| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Logan Creek - Big Slough Creek to Elkhorn River | 10000 | | | | A* | | A | | ● | i | |
| Unnamed Creek (Sec 23-22N-8E) | 10100 | | | | B | | A | | ● | | |
| Little Logan Creek - Unnamed Creek (Sec 21-23N-8E) to Logan Creek | 10200 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 21-23N-8E) | 10210 | | | | B | | A | | ● | | |
| Little Logan Creek - Headwaters to Unnamed Creek (Sec 21-23N-8E) | 10300 | | | | B | | A | | ● | | |
| Big Slough Creek | 10400 | | | | B | | A | | ● | | |
| Logan Creek - South Logan Creek to Big Slough Creek | 20000 | | | | A* | | A | | ● | i | |
| Rattlesnake Creek (Sec 15-24N-7E, including Stage Creek) | 20100 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 5-24N-7E) | 20200 | | | | B | | A | | ● | | |
| Middle Creek | 20300 | | | | B | | A | | ● | | |
| Rattlesnake Creek (Sec 16-25N-6E) | 20400 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 6-25N-6E) | 20500 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 31-25N-6E) | 20600 | | | | B | | A | | ● | | |
| Coon Creek | 20700 | | | | B | | A | | ● | | |
| South Logan Creek - Dog Creek to Logan Creek | 20800 | | | | A* | | A | | ● | i | |
| Dog Creek | 20810 | | | | B | | A | | ● | | |
| South Logan Creek - Deer Creek to Dog Creek | 20900 | | | | B | | A | | ● | | |
| Deer Creek - Unnamed Creek (Sec 8-26N-3E) to South Logan Creek | 20910 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 8-26N-3E) | 20911 | | | | B | | A | | ● | | |
| Deer Creek - Headwaters to Unnamed Creek (Sec 8-26N-3E) | 20920 | | | | B | | A | | ● | | |
| South Logan Creek - Headwaters to Deer Creek | 21000 | | | | B | | A | | ● | | |
| Logan Creek - North Logan Creek to South Logan Creek | 30000 | | | | A | | A | | ● | i | |
| North Logan Creek | 30100 | | | | B | | A | | ● | | |

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

**RIVER BASIN:** Elkhorn

**Subbasin:** EL2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Logan Creek - Confluence of Middle Logan Creek and Perrin Creek to North Logan Creek | 40000 | | | | B | | A | | ● | | |
| | | | | | | | | | | | |
| Baker Creek | 40100 | | | | B | | A | | ● | | |
| | | | | | | | | | | | |
| Middle Logan Creek - Headwaters to Perrin Creek | 40200 | | | | B | | A | | ● | | |
| | | | | | | | | | | | |
| Perrin Creek | 40300 | | | | B | | A | | ● | | |

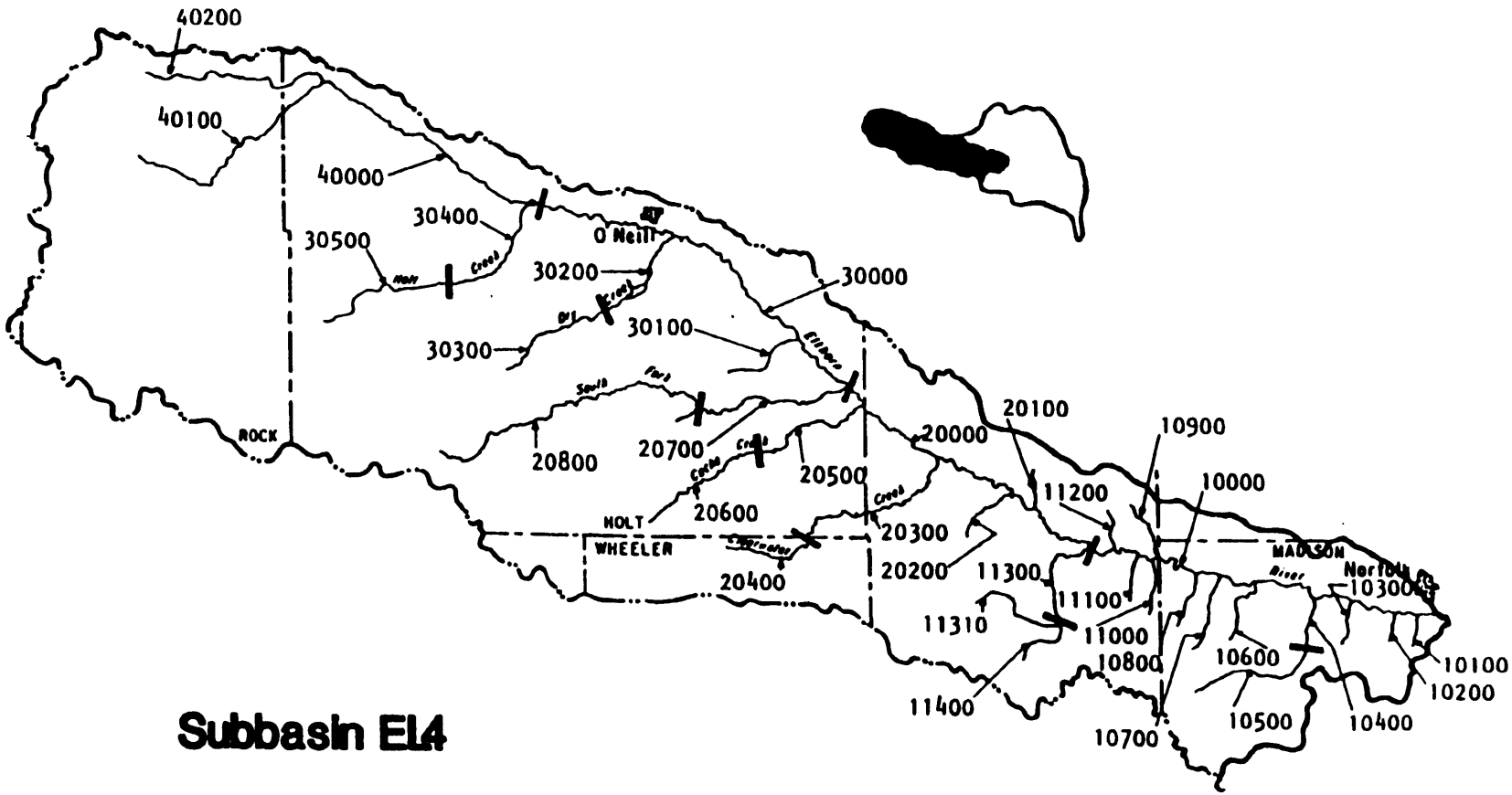



**Subbasin EL3**

**RIVER BASIN:** Elkhorn

**Subbasin:** EL3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| North Fork Elkhorn River - Spring Creek to Elkhorn River | 10000 | | | | A | | A | | ● | i | |
| Spring Creek | 10100 | | | | B | | A | | ● | | |
| North Fork Elkhorn River - Dry Creek to Spring Creek | 20000 | | | | A | | A | | ● | f,i | |
| Hadar Creek | 20100 | | | | B | | A | | ● | | |
| Willow Creek - Sec 32-26N-3W to North Fork Elkhorn River | 20200 | | | | A | | A | | ● | f,i | |
| Willow Creek - Headwaters to Sec 32-26N-3W | 20300 | | | | A | | A | | ● | f,i | |
| Dry Creek - Sec 33-27N-3W to North Fork Elkhorn River | 20400 | | | | B | | A | | ● | 10 | Sensitive Species |
| Dry Creek - Headwaters to Sec 28-27N-3W | 20500 | | | | B | | A | | ● | 10 | Sensitive Species |
| North Fork Elkhorn River - West Branch North Fork Elkhorn River to Dry Creek | 30000 | | | | B | | A | | ● | | |
| West Branch North Fork Elkhorn River | 30100 | | | | B | | A | | ● | | |
| Breslau Creek | 30110 | | | | B | | A | | ● | | |
| North Fork Elkhorn River (including Middle Branch North Fork Elkhorn River) - Headwaters to West Branch North Fork Elkhorn River | 40000 | | | | B | | A | | ● | | |




Subbasin E14

**RIVER BASIN:** Elkhorn

**Subbasin:** EL4

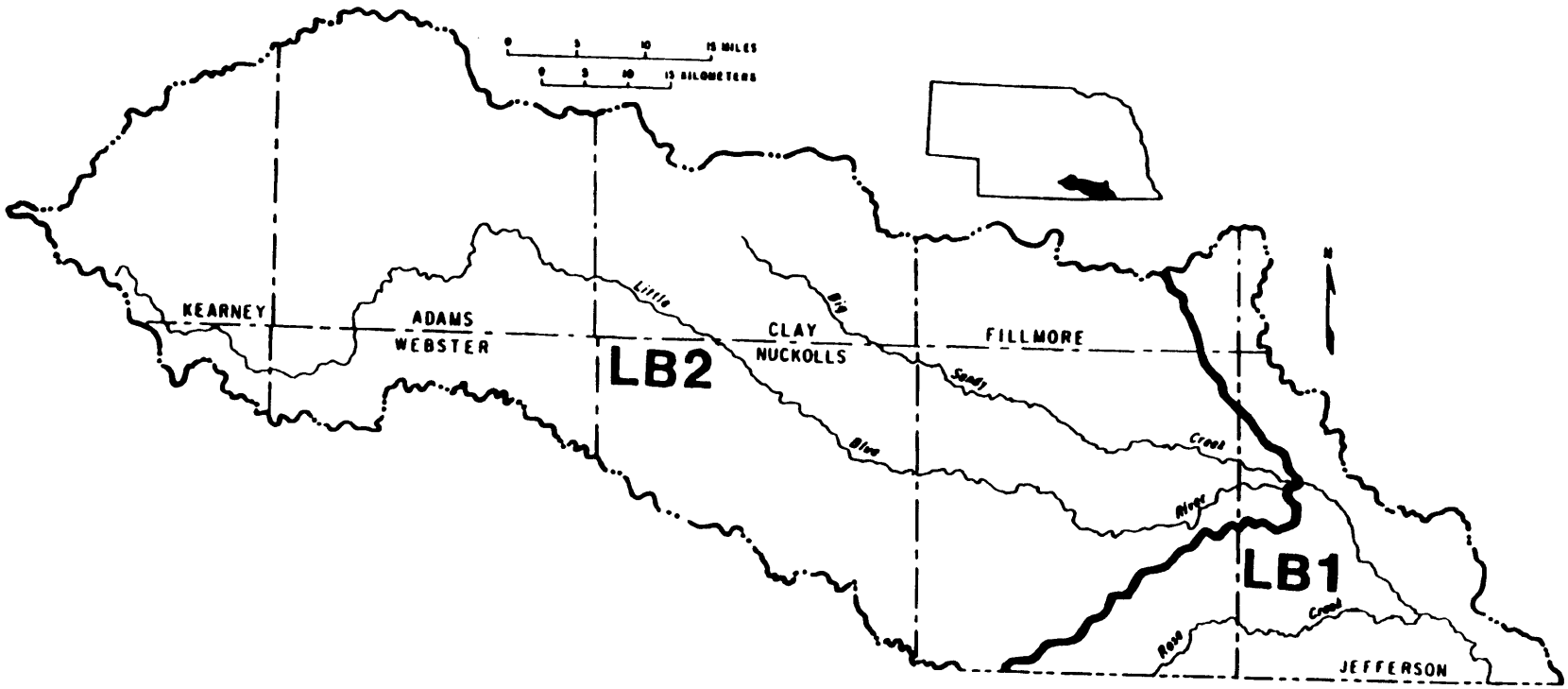
| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Elkhorn River - Cedar Creek to North Fork Elkhorn River | 10000 | | ● | | A* | | A | | ● | f,i, j,n | |
| Unnamed Creek (Sec 33-24N-1W) | 10100 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 5-23N-1W) | 10200 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 34-24N-2W) | 10300 | | | | B | | A | | ● | | |
| Battle Creek - Sec 12-23N-3W to Elkhorn River | 10400 | | | | A | | A | | ● | 13, f,i | Sensitive Species |
| Battle Creek - Headwaters to Sec 13-23N-3W | 10500 | | | | A | | A | | ● | 13 | Sensitive Species |
| Deer Creek | 10600 | | | | A | | A | | ● | 10, 13, f,n | Sensitive Species |
| Buffalo Creek | 10700 | | | | A | | A | | ● | 10 | Sensitive Species |
| Dry Creek | 10800 | | | | B | | A | | ● | | |
| Al Hopkins Creek | 10900 | | | | B | | A | | ● | | |
| Giles Creek | 11000 | | | | B | | A | | ● | | |
| Ives Creek | 11100 | | | | B | | A | | ● | | |
| Trueblood Creek | 11200 | | | | B | | A | | ● | | |
| Cedar Creek - Blacksnake Creek to Elkhorn River | 11300 | | | | A | | A | | ● | i | |
| Blacksnake Creek | 11310 | | | | B | | A | | ● | | |
| Cedar Creek - Headwaters to Blacksnake Creek | 11400 | | | | B | | A | | ● | | |
| Elkhorn River - South Fork Elkhorn River to Cedar Creek | 20000 | | ● | | A | | A | | ● | f,i, j,n | |
| Belmar Creek | 20100 | | | | B | | A | | ● | | |
| Antelope Creek | 20200 | | | | B | | A | | ● | | |
| Clearwater Creek - Sec 33-25N-9W to Elkhorn River | 20300 | | | | A | | A | | ● | f | |
| Clearwater Creek - Headwaters to Sec 5-24N-9W | 20400 | | | | A | | A | | ● | f | |
| Cache Creek - Sec 36-26N-10W to Elkhorn River | 20500 | | | | A | | A | | ● | 10 13 f,n | nsitive Species |

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

**RIVER BASIN:** Elkhorn

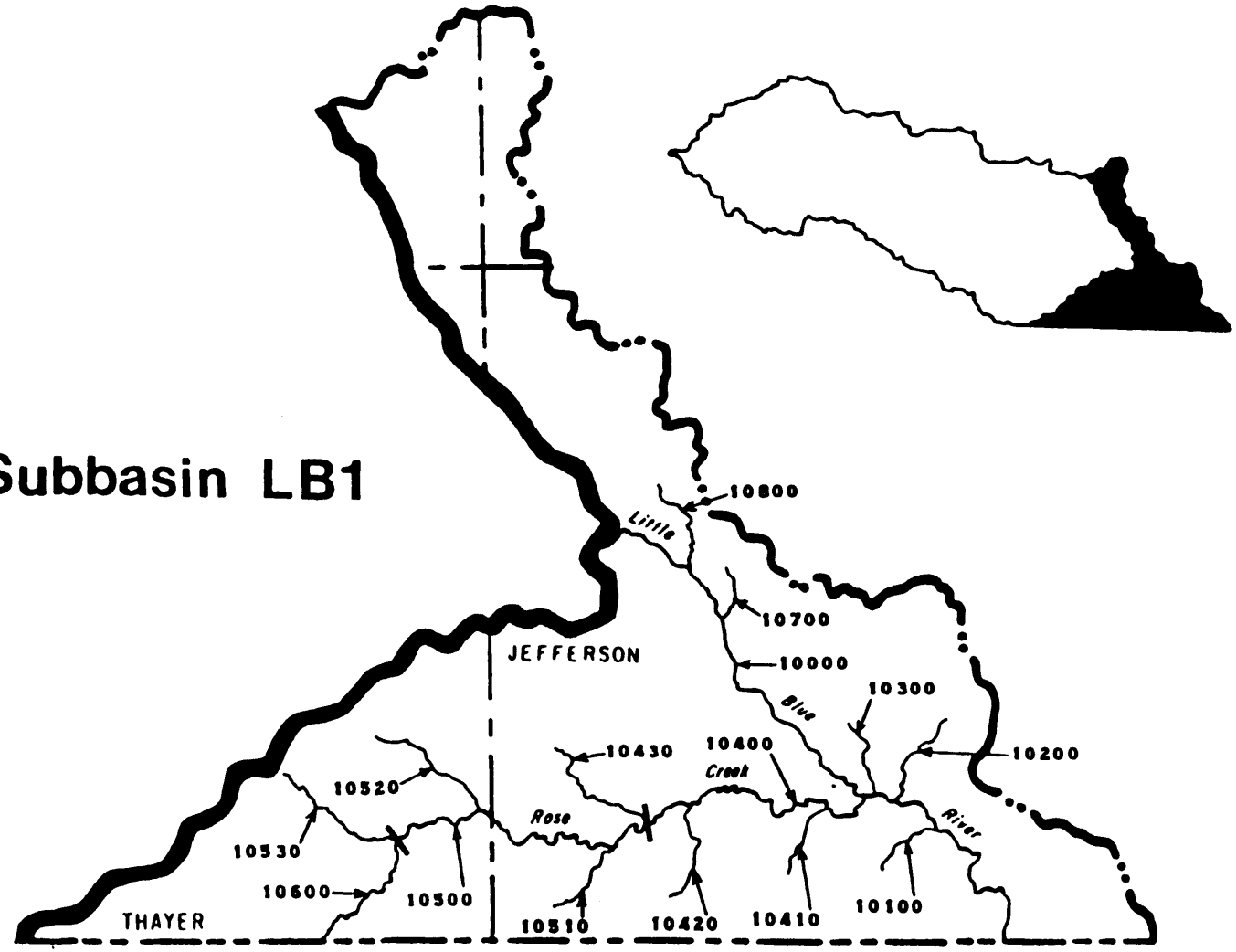
**Subbasin:** EL4

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cache Creek - Headwaters to Sec 36-26N-10W | 20600 | | | | A | | A | | ● | 10, 13, f,n | Sensitive Species |
| South Fork Elkhorn River - Dry Creek to Elkhorn River | 20700 | | | | A | | A | | ● | f | |
| South Fork Elkhorn River - Headwaters to Dry Creek | 20800 | | | | A | | A | | ● | f | |
| Elkhorn River - Holt Creek to South Fork Elkhorn River | 30000 | | ● | | A | | A | | ● | 10, 13, 14,f, i,j,n | Sensitive Species |
| Willow Swamp Creek | 30100 | | | | B | | A | | ● | | |
| Dry Creek - Sec 35-28N-12W to Elkhorn River | 30200 | | | | A | | A | | ● | f | |
| Dry Creek - Headwaters to Sec 34-28N-12W | 30300 | | | | A | | A | | ● | f | |
| Holt Creek - Sec 28-28N-14W to Elkhorn River | 30400 | | | | A | | A | | ● | 13, 14, 15,f | Sensitive Species |
| Holt Creek - Headwaters to Sec 29-28N-14W | 30500 | | | | A | | A | | ● | 13, 14, 15,f | Sensitive Species |
| Elkhorn River - Confluence of South Fork and North Fork Elkhorn River to Holt Creek | 40000 | B | | | A | | A | | ● | 14, 15, f,i, j,n | Sensitive Species |
| South Fork Elkhorn River | 40100 | | | | A | | A | | ● | 13,f | Sensitive Species |
| North Fork Elkhorn River | 40200 | | | | A | | A | | ● | 13,f | Sensitive Species |




# LITTLE BLUE RIVER BASIN (and Subbasins)

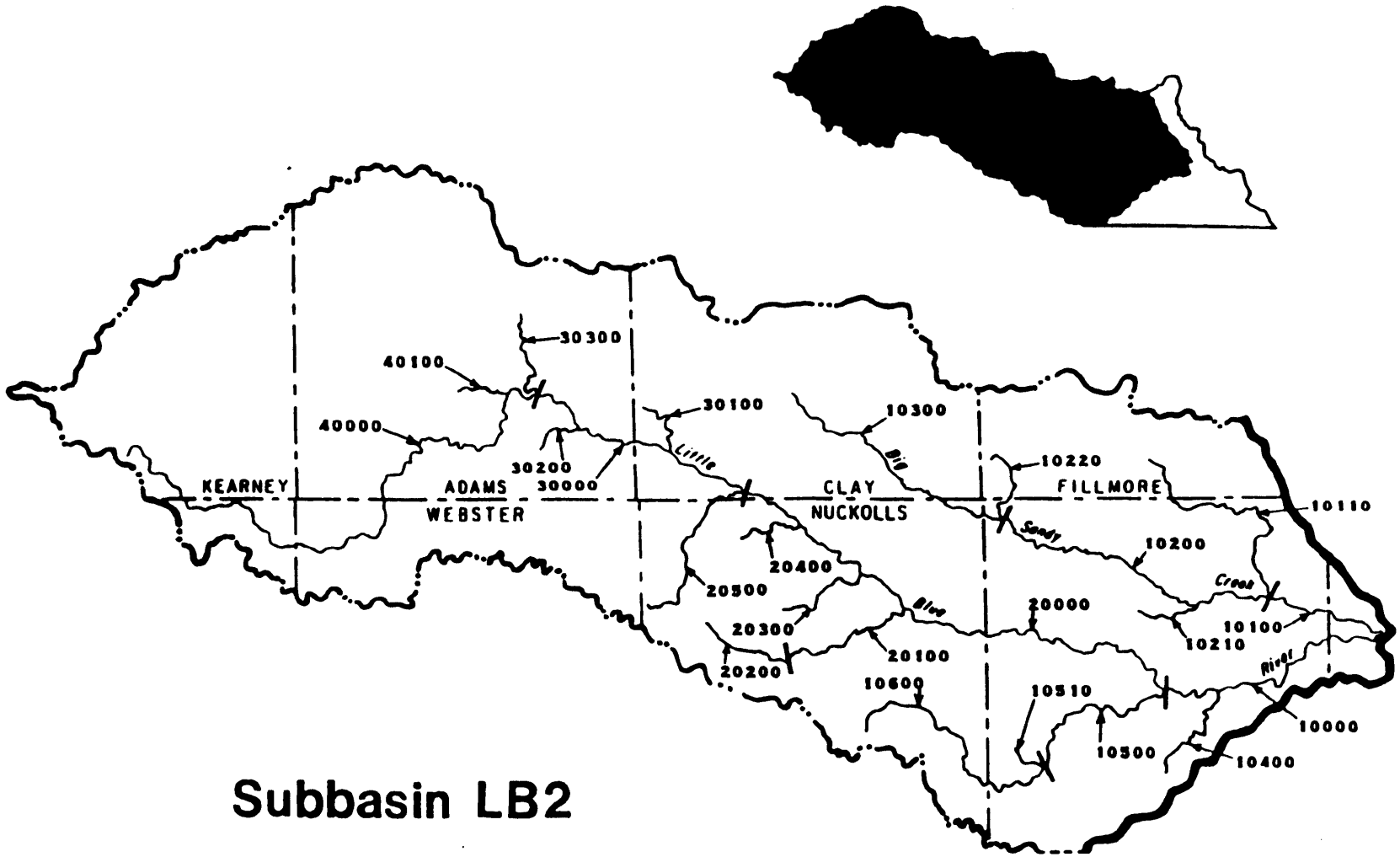
# Subbasin LB1



**RIVER BASIN:** Little Blue

**Subbasin:** LB1

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



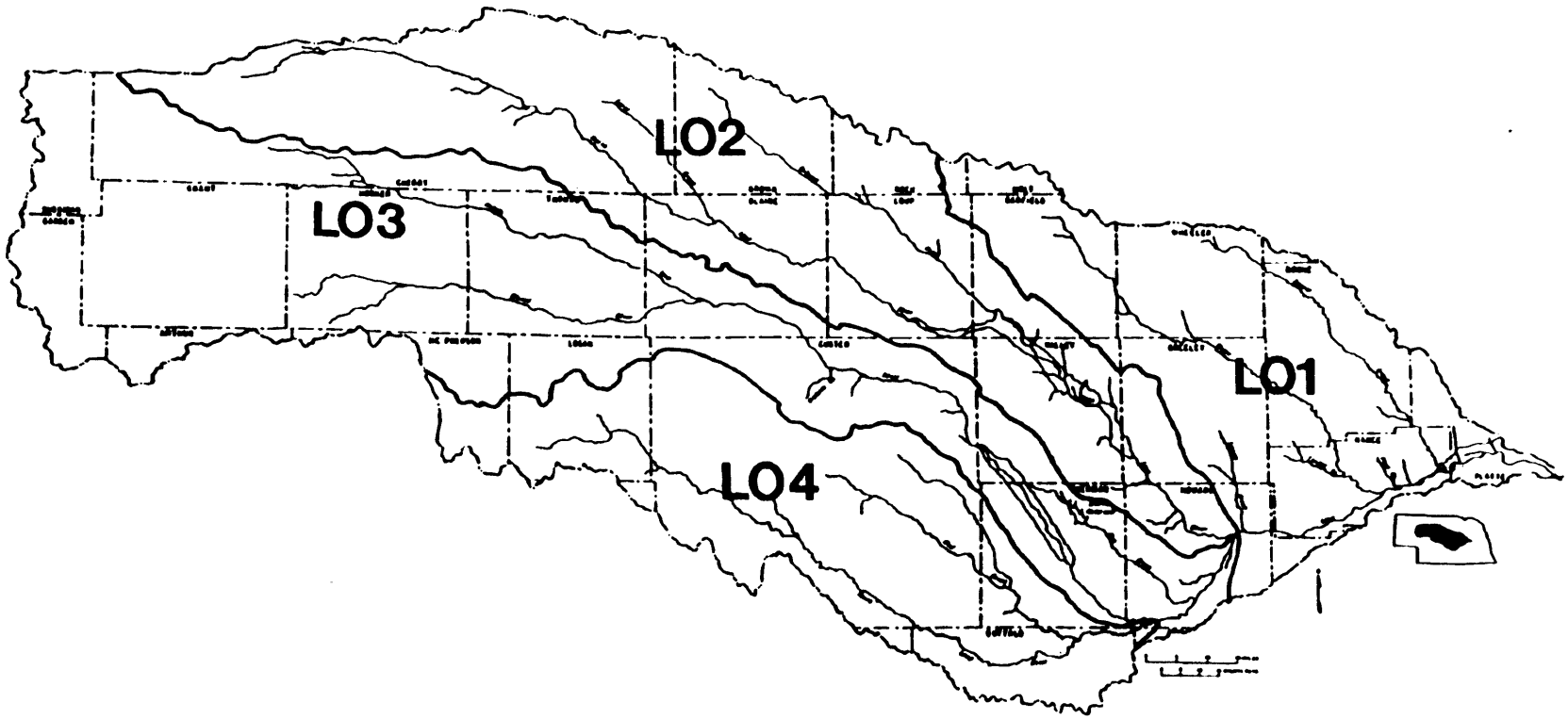

Subbasin LB2

**RIVER BASIN:** Little Blue

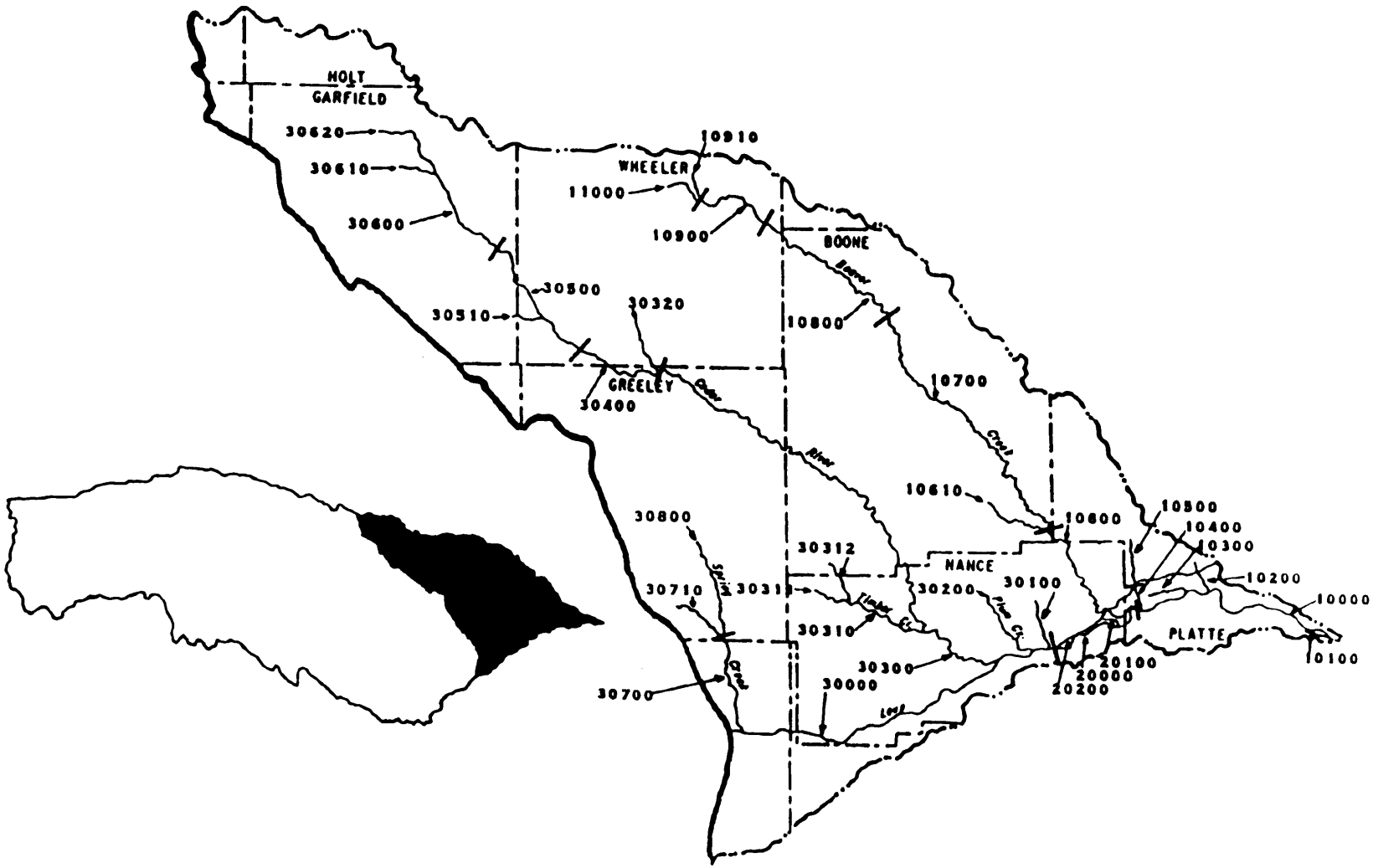
**Subbasin:** LB2

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

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




**LOUP RIVER BASIN (and Subbasins)**




Subbasin LO1

**RIVER BASIN:** Loup

**Subbasin:** LO1

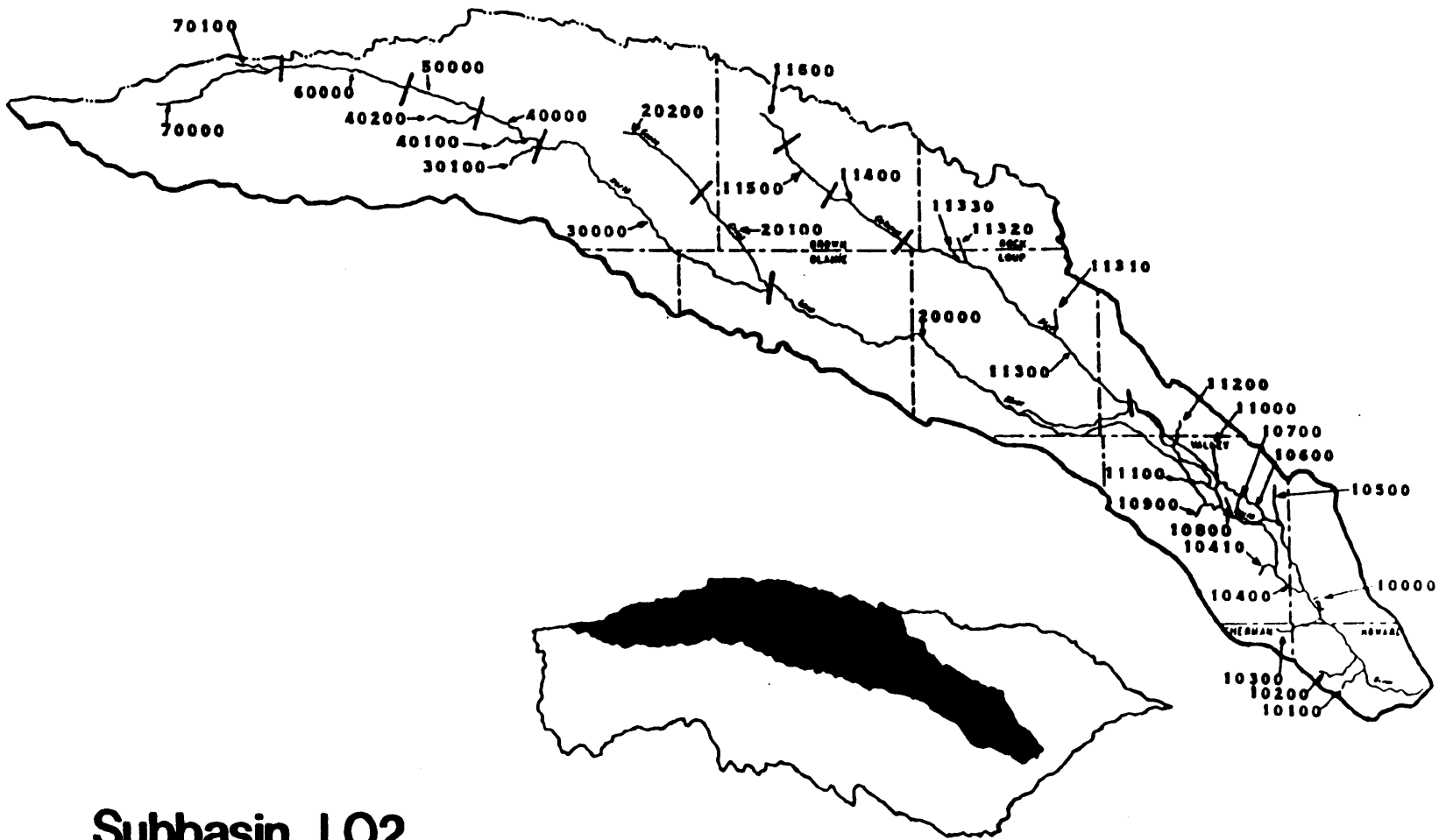
| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Loup River - Beaver Creek to Platte River | 10000 | | ● | | A* | | A | | ● | i | |
| Barnum Creek | 10100 | | | | A | | A | | ● | i | |
| Cherry Creek | 10200 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 7-17N-2W) | 10300 | | | | B | | A | | ● | | |
| Looking-Glass Creek - Loup River Canal Siphon (Sec 5-17N-3W) to Loup River | 10400 | | | | B | | A | | ● | | |
| 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 | | ● | i,j | |
| Bogus Creek | 10610 | | | | B | | A | | ● | | |
| Beaver Creek - Rae Creek (Sec 11-21N-7W) to Bogus Creek | 10700 | | | | A | | A | | ● | i,j | |
| Beaver Creek - Unnamed Creek (Sec 27-23N-9W) to Rae Creek (Sec 11-21N-7W) | 10800 | | | | A | | A | | ● | i | |
| Beaver Creek - Unnamed Creek (Sec 23-23N-10W) to Unnamed Creek (Sec 27-23N-9W) | 10900 | | | | B | | A | | ● | | |
| Unnamed Tributary (Sec 23-23N-10W) | 10910 | | | | B | | A | | ● | | |
| Beaver Creek - Headwaters to Unnamed Tributary (Sec 23-23N-10W) | 11000 | | | | B | | A | | ● | | |
| Loup River - Loup River Canal Diversion (Sec 6-16N-4W) to Beaver Creek | 20000 | | | | A* | | A | | ● | i,j | |
| Unnamed Creek (Sec 25-17N-4W) | 20100 | | | | B | | A | | ● | | |
| 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 | | ● | i,j | |
| Loup River - Confluence of North and Middle Loup Rivers to Loup River Canal Division (Sec 6-16N-4W) | 30000 | | ● | | A | | A | | ● | i,j | |
| Council Creek | 30100 | | | | B | | A | | ● | | |
| Plum Creek | 30200 | | | | B | | A | | ● | | |
| Cedar River - Clear Creek to Loup River | 30300 | | ● | | A | | A | | ● | i,j | |
| Timber Creek | 30310 | | | | B | | A | | ● | | |
| South Branch Timber Creek | 30311 | | | | B | | A | | ● | | |

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

**RIVER BASIN:** Loup

**Subbasin:** LO1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| North Branch Timber Creek | 30312 | | | | B | | A | | ● | | |
| Clear Creek | 30320 | | | | A | | A | | ● | 15 | Sensitive Species |
| Cedar River - Lake Erikson Dam (Sec 25-21N-12W) to Clear Creek | 30400 | | | | A | | A | | ● | ij | |
| Cedar River - Sec 14-22N-13W to Lake Erikson Dam (Sec 25-21N-12W) | 30500 | | | | A | | A | | ● | i | |
| Dry Cedar Creek | 30510 | | | | B | | A | | ● | | |
| 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 | | ● | i | |
| 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) | — | | | | | | | | | | |




# Subbasin LO2

**RIVER BASIN:** Loup

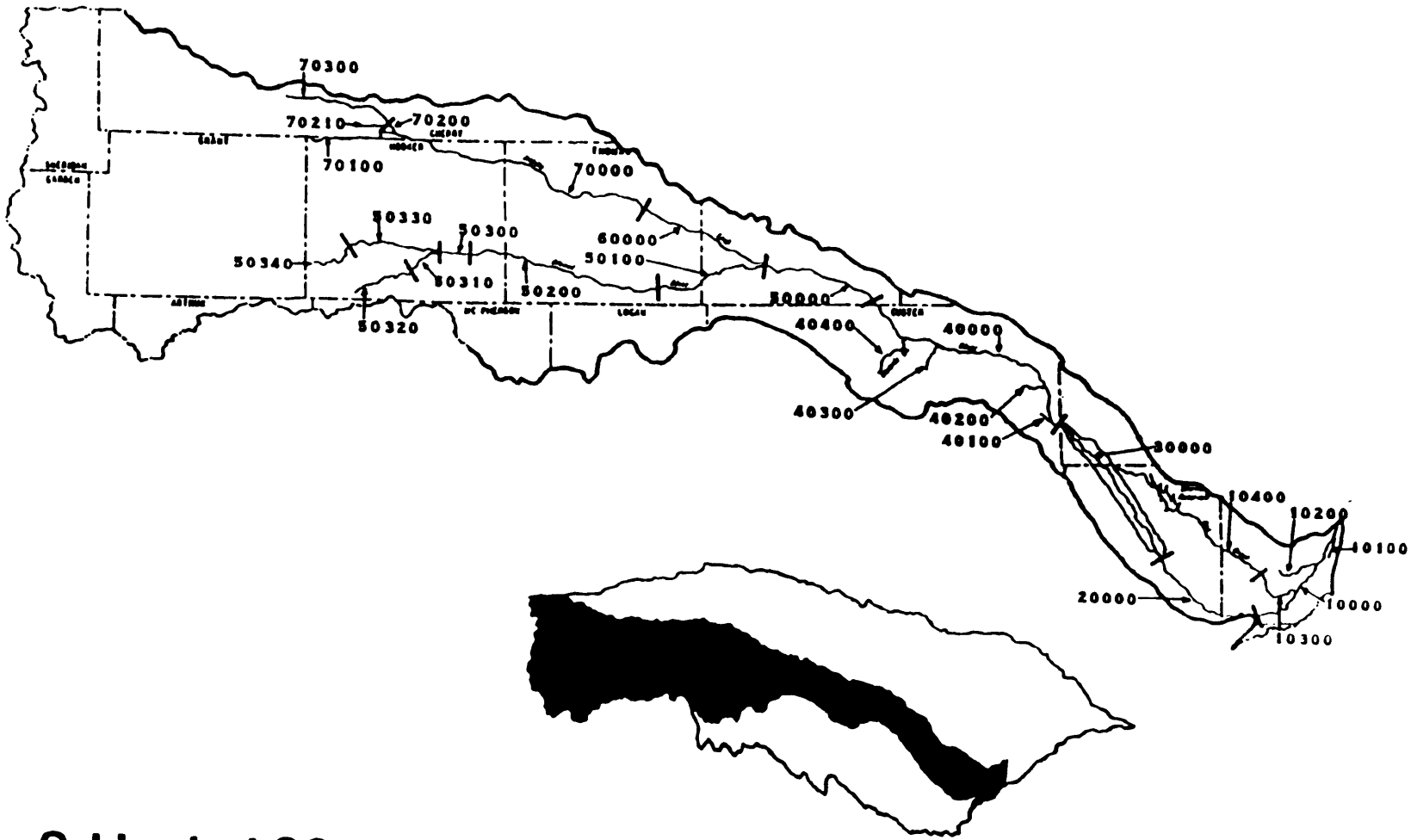
**Subbasin:** LO2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| North Loup River - Calamus River to Loup River | 10000 | | ● | | A | | A | | ● | i | |
| Auger Creek | 10100 | | | | B | | A | | ● | | |
| Munson Creek | 10200 | | | | B | | A | | ● | | |
| Davis Creek | 10300 | | | | B | | A | | ● | | |
| Mira Creek - South Branch Mira Creek to North Loup River | 10400 | | | | B | | A | | ● | | |
| South Branch Mira Creek | 10410 | | | | B | | A | | ● | | |
| Messenger Creek | 10500 | | | B | | | A | | ● | 8,9 | Sensitive Species |
| Spring Creek | 10600 | | | | B | | A | | ● | | |
| Elm Creek | 10700 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 25-19N-14W) | 10800 | | | | B | | A | | ● | | |
| Dane Creek | 10900 | | | | B | | A | | ● | | |
| Haskell Creek | 11000 | | | | B | | A | | ● | | |
| Turtle Creek | 11100 | | | | A | | A | | ● | i | |
| Bean Creek | 11200 | | | | A | | A | | ● | 9 | Sensitive Species |
| Calamus River - Sec 25-25N-21W to North Loup River | 11300 | B | ● | B | | | A | | ● | i,f | |
| Gracie Creek | 11310 | | | B | | | A | | ● | 8,c | Sensitive Species |
| Bloody Creek | 11320 | | | B | | | A | | ● | | |
| Skull Creek | 11330 | | | | A | | A | | ● | 13, 16 | Sensitive Species |
| Calamus River - Sec 28-26N-22W to Sec 25-25N-21W | 11400 | B | ● | B | | | A | | ● | 9,15 i,f | Sensitive Species |
| Calamus River - Sec 28-27N-23W to Sec 28-26N-22W | 11500 | B | | B | | | A | | ● | 9,15 i,f | Sensitive Species |
| Calamus River - Headwaters to Sec 28-27N-23W | 11600 | B | | B | | | A | | ● | 8 | Sensitive Species |
| North Loup River - Goose Creek to Calamus River | 20000 | | ● | B | | | A | | ● | i | |
| Goose Creek - Sec 16-26N-25W to North Loup River | 20100 | | | B | | | A | | ● | 3,4, 5,9 | Threatened Species Sensitive Species |
| Goose Creek - Headwaters to Sec 16-26N-25W | 20200 | | | B | | | A | | ● | 3,4, 5,9 | Threatened Species Sensitive Species |

**RIVER BASIN:** Loup

**Subbasin:** LO2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| North Loup River - Pass Creek to Goose Creek | 30000 | | ● | B | | | A | | ● | i | |
| Pass Creek | 30100 | | | | B | | A | | ● | 3,4 | Threatened Species |
| North Loup River - Big Creek to Pass Creek | 40000 | | ● | B | | | A | | ● | i | |
| Brush Creek | 40100 | | | B | | | A | | ● | 3,4, 5,6, 17 | Threatened Species Endangered Species |
| Big Creek | 40200 | | | B | | | A | | ● | 3,4, 5 | Threatened Species |
| North Loup River - Sec 21-28N-31W to Big Creek | 50000 | | | B | | | A | | ● | | |
| North Loup River - Sec 10-28N-34W to Sec 21-28N-31W | 60000 | | | B | | | A | | ● | 3 | Threatened Species |
| North Loup River - Headwaters to Sec 10-28N-34W | 70000 | | | B | | | A | | ● | | |
| Mud Creek | 70100 | | | B | | | A | | ● | 3,4 | Threatened Species |




# Subbasin LO3

**RIVER BASIN:** Loup

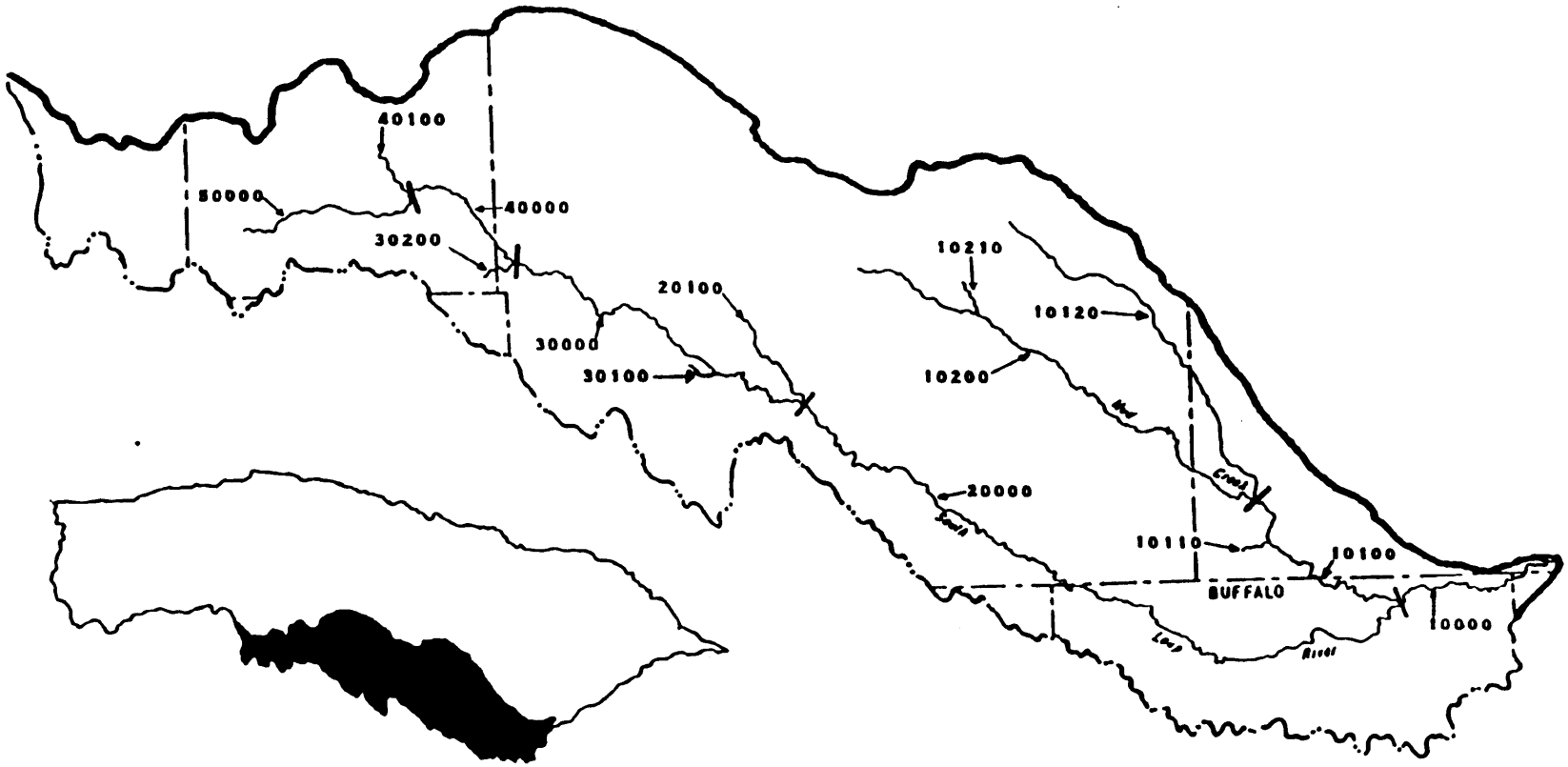
**Subbasin:** LO3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Middle Loup River - South Loup River to Loup River | 10000 | | ● | | A | | A | | ● | i | |
| Lake Creek | 10100 | | | | B | | A | | ● | | |
| Turkey Creek | 10200 | | | | B | | A | | ● | | |
| Oak Creek - Unnamed Creek (Sec 30-14N-11W) to Middle Loup River | 10300 | | | | B | | A | | ● | | |
| 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 | | ● | i | |
| Middle Loup River- Sherman Feeder Canal Diversion (Sec 35-18N-17W) to Canal 4 Return (Sec 9-14N-14W) | 30000 | | ● | | A | | A | | ● | i | |
| Middle Loup River - Milburn-Sargent Canal Diversion (Sec 32-21N-21W) to Sherman Feeder Canal Diversion (Sec 35-18N-17W) | 40000 | | ● | | A | | A | | ● | i | |
| Unnamed Creek (Sec 14-18N-17W) | 40100 | | | | B | | A | | ● | | |
| Wagner Creek | 40200 | | | | B | | A | | ● | | |
| Lillian Creek | 40300 | | | | B | | A | | ● | | |
| Victoria Creek | 40400 | | | B | | | A | | ● | i | |
| Middle Loup River - Dismal River to Milburn-Sargent Canal Diversion (Sec 32-21N-21W) | 50000 | | ● | | A | | A | | ● | i | |
| Dismal River - Sec 22-21N-27W to Middle Loup River | 50100 | | ● | B | | | A | | ● | d,i | |
| Dismal River - Sec 30-22N-31W to Sec 22-21N-27W | 50200 | | ● | B | | | A | | ● | d,i | |
| Dismal River - Confluence of North Fork and South Fork Dismal Rivers to Sec 30-22N-31W | 50300 | | ● | B | | | A | | ● | d | |
| South Fork Dismal River - Spring Creek to Dismal River | 50310 | | | B | | | A | | ● | d | |
| South Fork Dismal River - Headwaters to Spring Creek | 50320 | | | B | | | A | | ● | | |
| North Fork Dismal River - Bobtail Creek to Dismal River | 50330 | | | B | | | A | | ● | d | |
| North Fork Dismal River - Headwaters to Bobtail Creek | 50340 | | | B | | | A | | ● | | |
| Middle Loup River - Sec 17-23N-27W to Dismal River | 60000 | | ● | B | | | A | | ● | d,e,i | |

**RIVER BASIN:** Loup

**Subbasin:** LO3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Middle Loup River - Confluence of North Branch and South Branch Middle Loup Rivers to Sec 17-23N-27W | 70000 | | ● | B | | | A | | ● | d,e | |
| South Branch Middle Loup River | 70100 | | | B | | | A | | ● | 5,11 d,e | Threatened Species Sensitive Species |
| North Branch Middle Loup River - Middle Branch Middle Loup River to South Branch Middle Loup River | 70200 | | | B | | | A | | ● | 4,5, d,e | Threatened Species |
| Middle Branch Middle Loup River | 70210 | | | B | | | A | | ● | 4,5 | Threatened Species |
| North Branch Middle Loup River - Headwaters to Middle Branch Middle Loup River | 70300 | | | B | | | A | | ● | 4,5, d,e | Threatened Species |
| South Loup River (see subbasin LO4) | — | | | | | | | | | | |

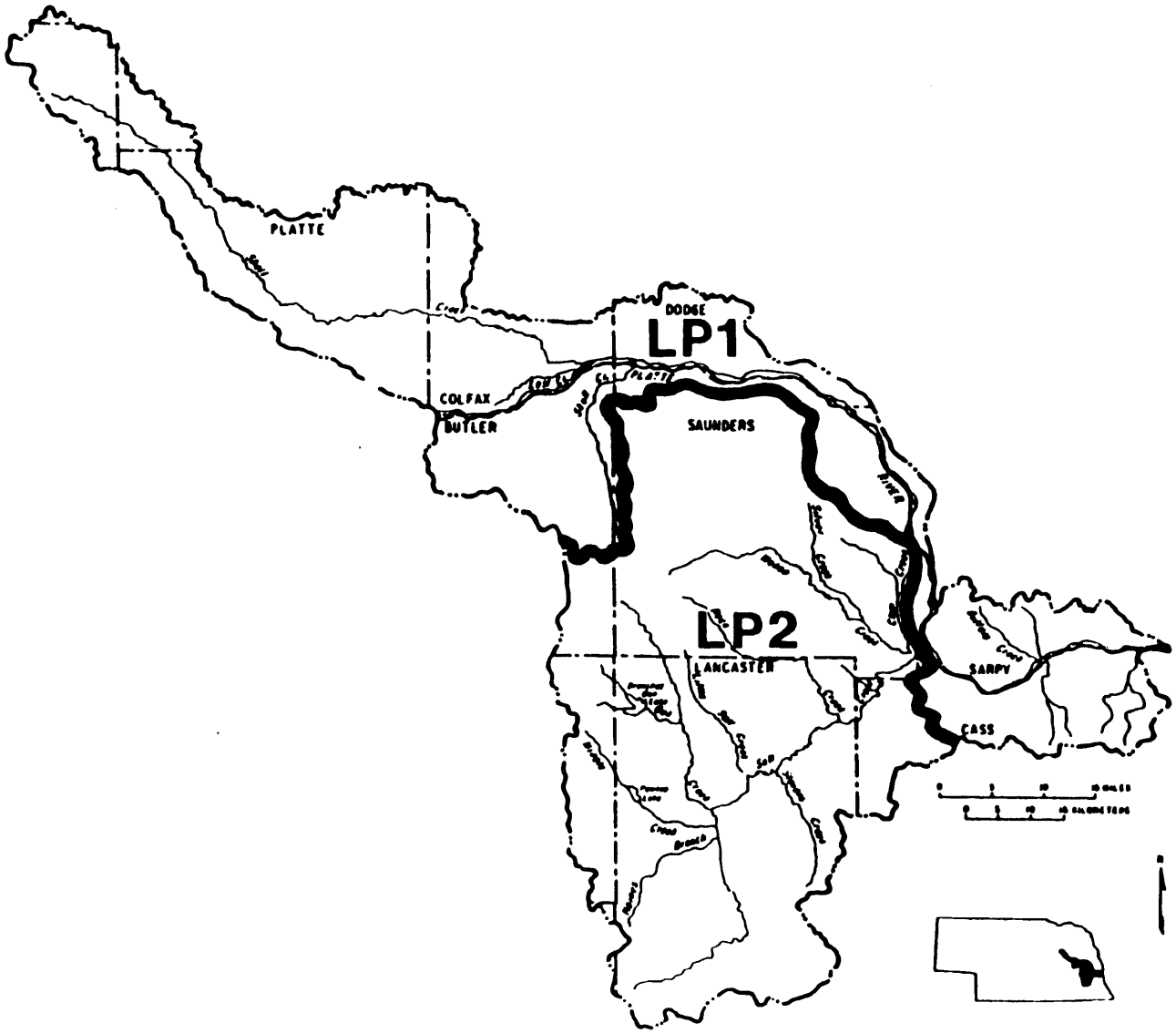



# Subbasin LO4

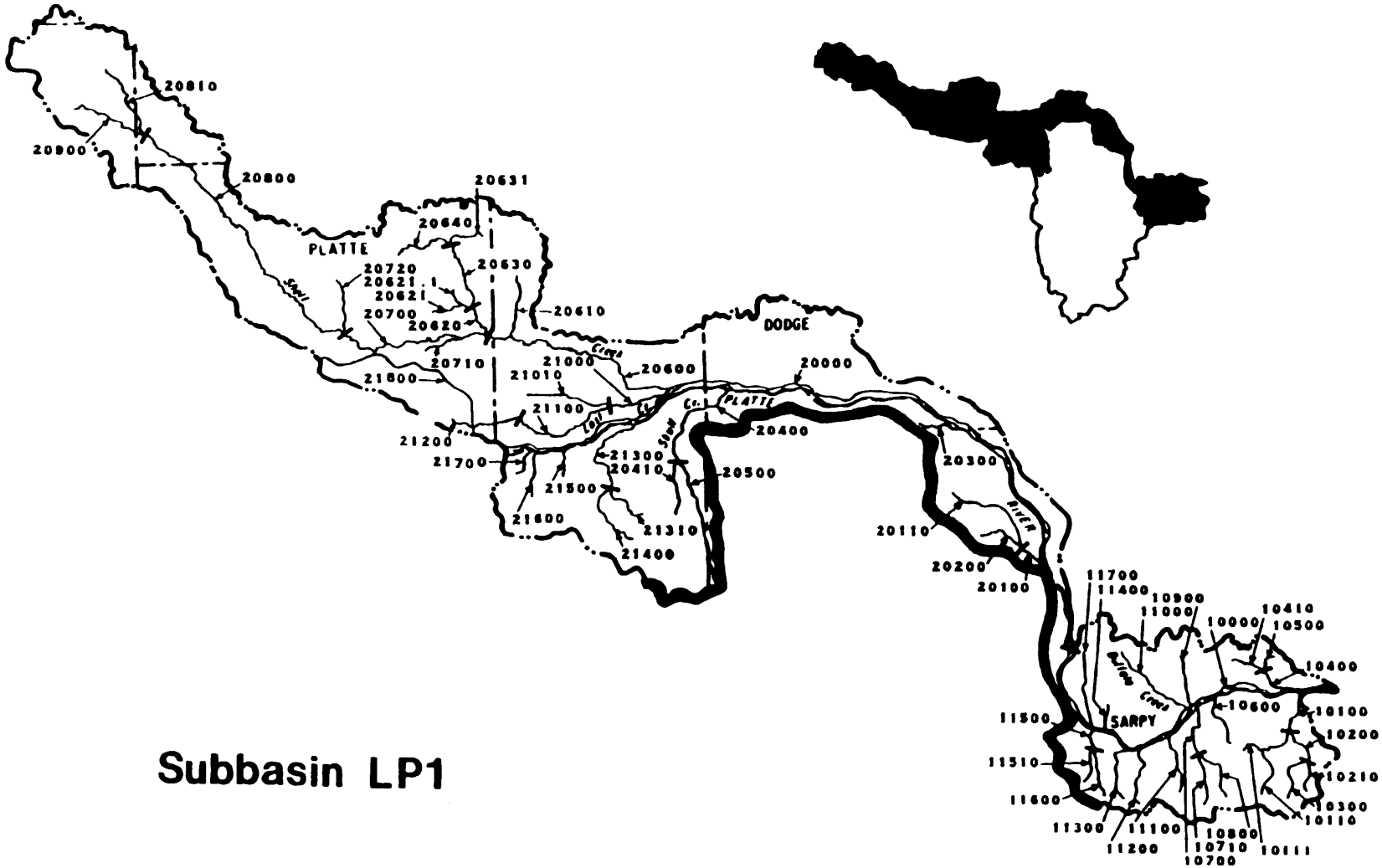
**RIVER BASIN:** Loup

**Subbasin:** LO4

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| South Loup River - Mud Creek to Middle Loup River | 10000 | | ● | | A | | A | | ● | i | |
| Mud Creek - Clear Creek to South Loup River | 10100 | | | | B | | A | | ● | | |
| Spring Branch | 10110 | | | | B | | A | | ● | | |
| Clear Creek | 10120 | | | | B | | A | | ● | | |
| Mud Creek - Headwaters to Clear Creek | 10200 | | ● | | B | | A | | ● | | |
| Dutchman Valley | 10210 | | | | B | | A | | ● | | |
| South Loup River - Spring Creek to Mud Creek | 20000 | | ● | | A | | A | | ● | i | |
| Spring Creek | 20100 | | | | B | | A | | ● | | |
| South Loup River - Unnamed Creek (Sec 28-17N-25W) to Spring Creek | 30000 | | ● | | A | | A | | ● | i | |
| Unnamed Creek (Sec 2-15N-23W) | 30100 | | | B | | | A | | ● | 4,5 | Threatened Species |
| Unnamed Creek (Sec 28-17N-25W) | 30200 | | | B | | | A | | ● | 3 | Threatened Species |
| South Loup River - North Fork South Loup River to Unnamed Creek (Sec 28-17N-25W) | 40000 | | | | A | | A | | ● | f,i | |
| North Fork South Loup River | 40100 | | | B | | | A | | ● | | |
| South Loup River - Headwaters to North Fork South Loup River | 50000 | | | B | | | A | | ● | 3,13<br>f,i | Threatened Species<br>Sensitive Species |




LOWER PLATTE RIVER BASIN (and Subbasins)




Subbasin LP1

**RIVER BASIN:** Lower Platte

**Subbasin:** LP1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Platte River - Elkhorn River to Missouri River | 10000 | | ● | | A* | ● | A | | ● | 1,2, h,i,j, v,w | Endangered Species Threatened Species |
| Fourmile Creek - Eightmile Creek to Platte River | 10100 | | | | B | | A | | ● | | |
| 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 24-13N-12E) to Platte River | 10400 | | | | B | | A | | ● | i | |
| Unnamed Creek (Sec 24-13N-12E) | 10410 | | | | B | | A | | ● | | |
| Zwiebel Creek - Headwaters to Unnamed Creek (Sec 24-13N-12E) | 10500 | | | | B | | A | | ● | | |
| Turkey Creek | 10600 | | | | B | | A | | ● | | |
| Cedar Creek - Unnamed Creek (Sec 30-12N-12E) to Platte River | 10700 | | | | B | | A | | ● | | |
| 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 | | ● | | |
| Buffalo Creek | 11000 | | | | B | | A | | ● | | |
| Mill Creek | 11100 | | | | B | | A | | ● | | |
| Decker Creek | 11200 | | | | B | | A | | ● | i | |
| Fountain Creek | 11300 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 11-12N-10E) | 11400 | | | | B | | A | | ● | | |
| Pawnee Creek - West Branch Pawnee Creek to Platte River | 11500 | | | | B | | A | | ● | | |
| West Branch Pawnee Creek | 11510 | | | | B | | A | | ● | | |

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

**RIVER BASIN:** Lower Platte

**Subbasin:** LP1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Pawnee Creek - Headwaters to West Branch Pawnee Creek | 11600 | | | | B | | A | | ● | | |
| Western Sarpy Ditch | 11700 | | | | B | | A | | ● | | |
| Salt Creek (see subbasin LP2) | — | | | | | | | | | | |
| Elkhorn River (see Elkhorn River Basin) | — | | | | | | | | | | |
| Platte River - Clear Creek to Elkhorn River | 20000 | | ● | | A* | ● | A | | ● | i,j,w | |
| Clear Creek - Upper Clear Creek to Platte River | 20100 | | | | B | | A | | ● | | |
| Upper Clear Creek | 20110 | | | | B | | A | | ● | | |
| Clear Creek - Headwaters to Upper Clear Creek | 20200 | | | | B | | A | | ● | | |
| Otoe Creek | 20300 | | | | B | | A | | ● | | |
| Skull Creek - Unnamed Creek (Sec 15-16N-4E) to Platte River | 20400 | | | | B | | A | | ● | | |
| 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 | | ● | i | |
| 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 Short 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 | | ● | | |

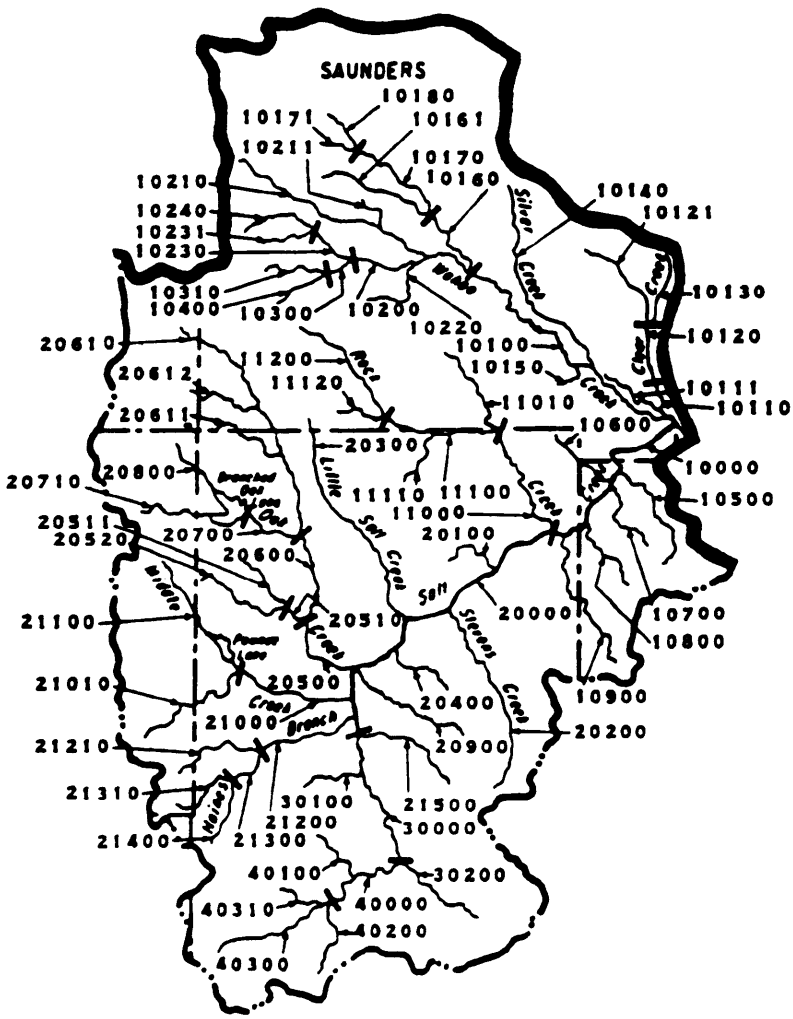
*Site-specific water quality criteria for un-ionized ammonia are assigned (see Chapter 4, 003.02B).

**RIVER BASIN:** Lower Platte

**Subbasin:** LP1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Shell Creek - North Shell Creek to Elm Creek | 20800 | | | | B | | A | | ● | | |
| North Shell Creek | 20810 | | | | B | | A | | ● | | |
| Shell Creek - Headwaters to North Shell Creek | 20900 | | | | B | | A | | ● | | |
| Lost Creek - Shonka Ditch to Platte River | 21000 | | | | A* | | A | | ● | i | |
| Shonka Ditch - Headwaters to Lost Creek | 21010 | | | | B | | A | | ● | | |
| Lost Creek - Sec 21-17N-2E to Shonka Ditch | 21100 | | | | B | | A | | ● | | |
| Lost Creek - Headwaters to Sec 21-17N-2E | 21200 | | | | B | | A | | ● | | |
| Bone Creek - Unnamed Creek (Sec 21-16N3E) to Platte River- | 21300 | | | | B | | A | | ● | | |
| 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 7-16N-23E) | 21500 | | | | B | | A | | ● | | |
| Deer Creek | 21600 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 3-16N-2E) | 21700 | | | | B | | A | | ● | | |
| 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 | | ● | i,j | |
| Clear Creek (see Middle Platte River Basin) | — | | | | | | | | | | |

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




# Subbasin LP2

**RIVER BASIN:** Lower Platte

**Subbasin:** LP2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Salt Creek - Rock Creek to Platte River | 10000 | | ● | | A* | | B | | ● | i,w | |
| Wahoo Creek - Sand Creek to Salt Creek | 10100 | | | | A | | A | | ● | i | |
| Clear Creek - Sec 14-13N-9E to Wahoo Creek | 10110 | | | | A | | A | | ● | i | |
| Silver Creek | 10111 | | | | B | | A | | ● | | |
| Clear Creek - Johnson Creek to Sec 14-13N-9E | 10120 | | | | B | | A | | ● | | |
| Johnson Creek | 10121 | | | | B | | A | | ● | | |
| Clear Creek - Headwaters to Johnson Creek | 10130 | | | B | | | A | | ● | 8 | Sensitive Species |
| Silver Creek | 10140 | | | | B | | A | | ● | | |
| Mosquito Creek | 10150 | | | | B | | A | | ● | | |
| Sand Creek - Duck Creek to Wahoo Creek | 10160 | | | | B | | A | | ● | | |
| 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 | | ● | i | |
| Cottonwood Creek | 10210 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 23-15N-6E) | 10211 | | | | B | | A | | ● | | |
| Miller Branch | 10220 | | | | B | | A | | ● | | |
| North Fork Wahoo Creek - Unnamed Creek (Sec 32-15N-6E) to Wahoo Creek | 10230 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 32-15N-6E) | 10231 | | | | B | | A | | ● | | |
| North Fork Wahoo Creek - Headwaters to Unnamed Creek (Sec 32-15N-6E) | 10240 | | | | B | | A | | ● | | |
| Wahoo Creek - Dunlap Creek to North Fork Wahoo Creek | 10300 | | | | B | | A | | ● | | |
| Dunlap Creek | 10310 | | | | B | | A | | ● | | |
| Wahoo Creek - Headwaters to Dunlap Creek | 10400 | | | | B | | A | | ● | | |

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

**RIVER BASIN:** Lower Platte

**Subbasin:** LP2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Callahan Creek | 10500 | | | | B | | A | | ● | | |
| Robinson Creek | 10600 | | | | B | | A | | ● | | |
| Greenwood Creek | 10700 | | | | B | | A | | ● | | |
| Dee Creek | 10800 | | | | B | | A | | ● | | |
| Camp Creek | 10900 | | | | B | | A | | ● | | |
| Rock Creek - North Fork Rock Creek to Salt Creek | 11000 | | | | A | | A | | ● | i | |
| North Fork Rock Creek | 11010 | | | | B | | A | | ● | | |
| Rock Creek - Little Rock Creek to North Fork Rock Creek | 11100 | | | | B | | A | | ● | | |
| Ash Hollow Creek | 11110 | | | | B | | A | | ● | | |
| 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 | | ● | i,w | |
| Jordan Creek | 20100 | | | | B | | A | | ● | | |
| Stevens Creek | 20200 | | | | B | | A | | ● | | |
| Little Salt Creek | 20300 | | | | B | | B | | ● | | |
| Dead Man's Run | 20400 | | ● | | B | | A | | ● | | |
| Oak Creek - Elk Creek to Salt Creek | 20500 | | ● | | A | | B | | ● | | |
| 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 | | ● | | |

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

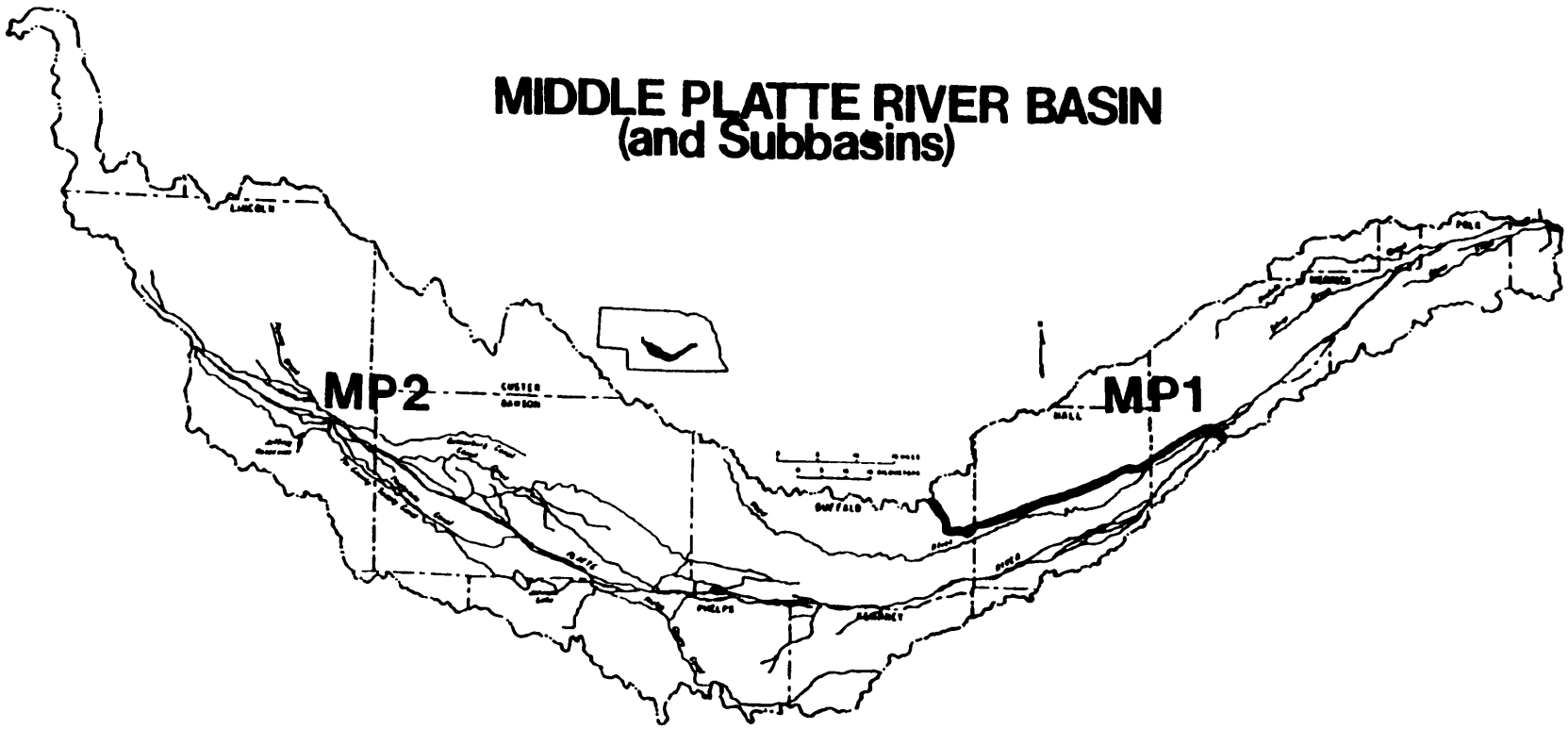
**RIVER BASIN:** Lower Platte

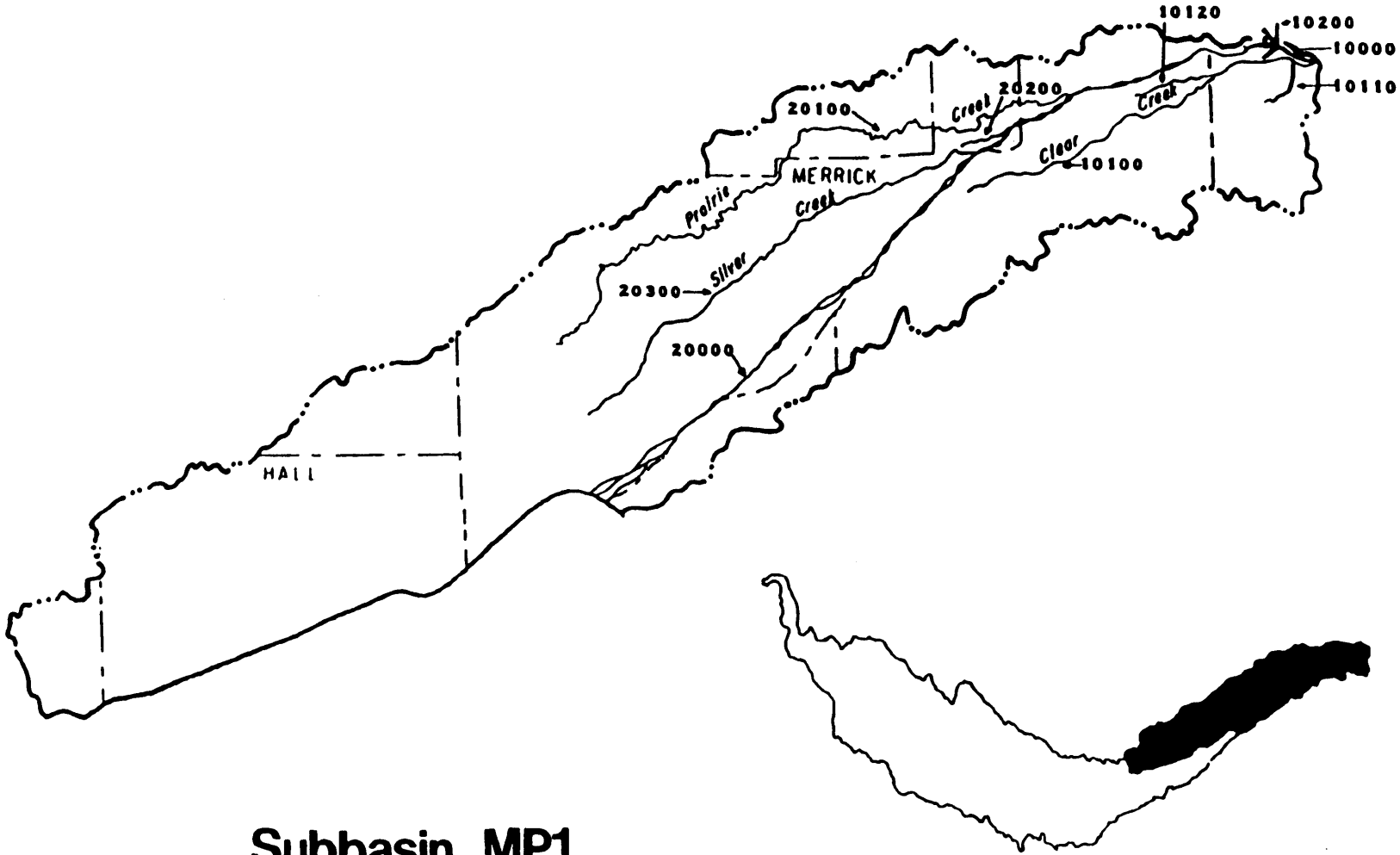
**Subbasin:** LP2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Oak Creek - Headwaters to Middle Oak Creek | 20800 | | | | B | | A | | ● | | |
| Antelope Creek | 20900 | | ● | | B | | A | | ● | | |
| Middle Creek - South Branch Middle Creek to Salt Creek | 21000 | | | | B | | A | | ● | | |
| South Branch Middle Creek | 21010 | | | | B | | A | | ● | | |
| Middle Creek - Headwaters to South Branch Middle Creek | 21100 | | | | B | | A | | ● | | |
| Haines Branch - Holmes Creek to Salt Creek | 21200 | | | | B | | B | | ● | | |
| Holmes Creek | 21210 | | | | B | | A | | ● | | |
| Haines Branch - Cheese Creek to Holmes Creek | 21300 | | | | B | | A | | ● | | |
| Cheese Creek | 21310 | | | | B | | A | | ● | | |
| Haines Branch - Headwaters to Cheese Creek | 21400 | | | | B | | A | | ● | | |
| Beal Slough | 21500 | | | | B | | A | | ● | | |
| Salt Creek - Hickman Branch to Beal Slough | 30000 | | | | A* | | A | | ● | i,w | |
| Cardwell Branch | 30100 | | | | B | | A | | ● | | |
| Hickman Branch | 30200 | | | | B | | A | | ● | | |
| Salt Creek - Confluence of Spring Branch and Olive Branch to Hickman Branch | 40000 | | | | B | | A | | ● | | |
| Wittstruck Creek | 40100 | | | | B | | A | | ● | | |
| Spring Branch | 40200 | | | | B | | A | | ● | | |
| Olive Branch | 40300 | | | | B | | A | | ● | | |
| North Branch | 40310 | | | | B | | A | | ● | | |

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

# MIDDLE PLATTE RIVER BASIN
## (and Subbasins)





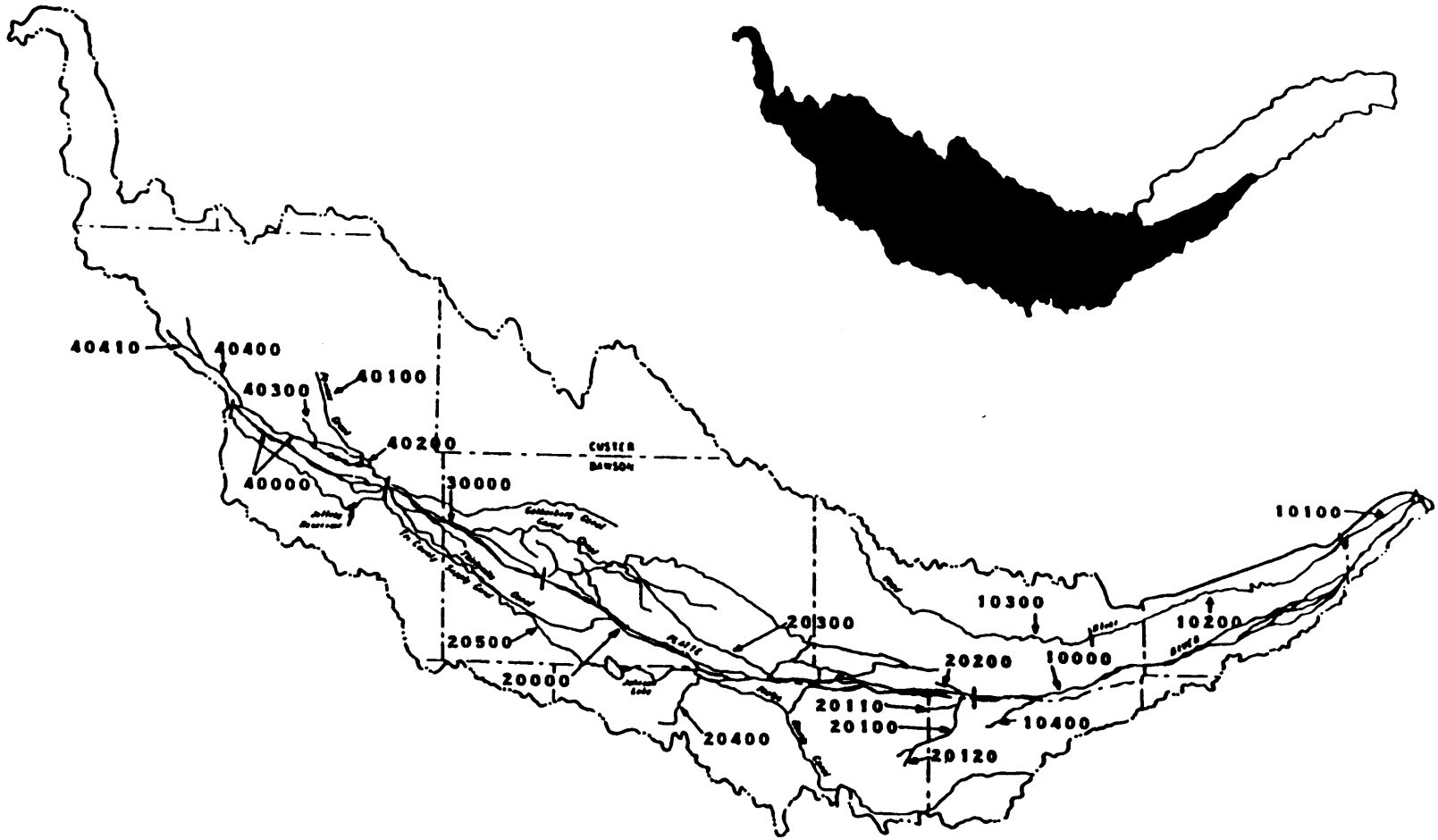

Subbasin MP1

**RIVER BASIN:** Middle Platte

**Subbasin:** MP1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Platte River - Loup Power Canal (Sec 35-17N-1E) to Clear Creek | 10000 | | ● | | A* | | A | | ● | i,j | |
| Clear Creek | 10100 | | | B | | | A | | ● | f,i,r | |
| Wilson Creek | 10110 | | | | B | | A | | ● | | |
| South Channel Platte River | 10120 | | | B | | | A | | ● | o | |
| 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 | | ● | i,j | |
| Platte River - Wood River to Loup Power Canal (Sec 35-17N-1E) | 20000 | | ● | | A* | | A | | ● | i,j | |
| Prairie Creek | 20100 | | | | B | | A | | ● | i,n | |
| Silver Creek - Sec 34-16N-3W to Platte River (Sec 25-16N-3W) | 20200 | | | | B | | A | | ● | | |
| Silver Creek - Headwaters to Platte River (Sec 33-16N-3W) | 20300 | | | | A | | A | | ● | | |

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




# Subbasin MP2

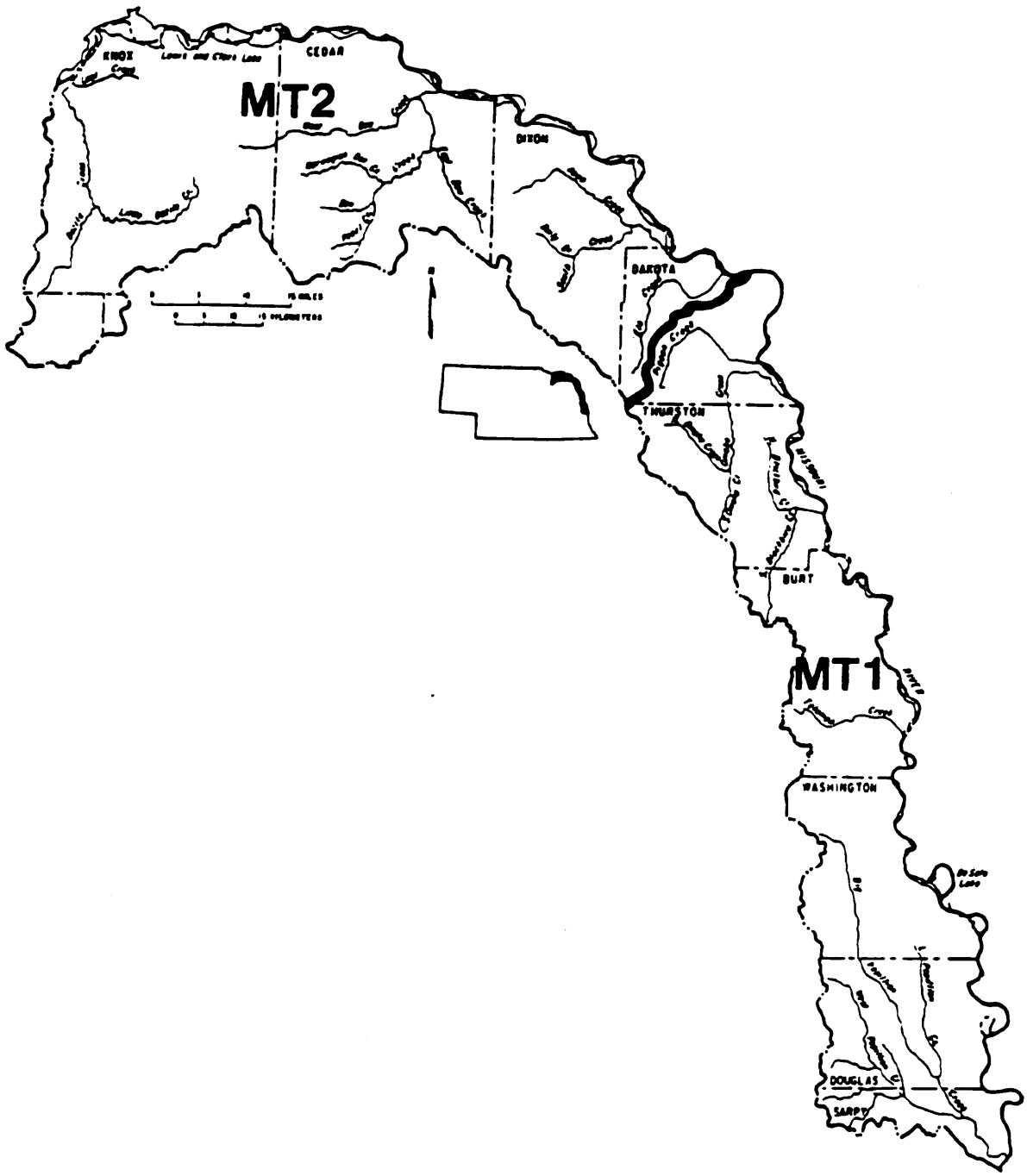
**RIVER BASIN:** Middle Platte

**Subbasin:** MP2

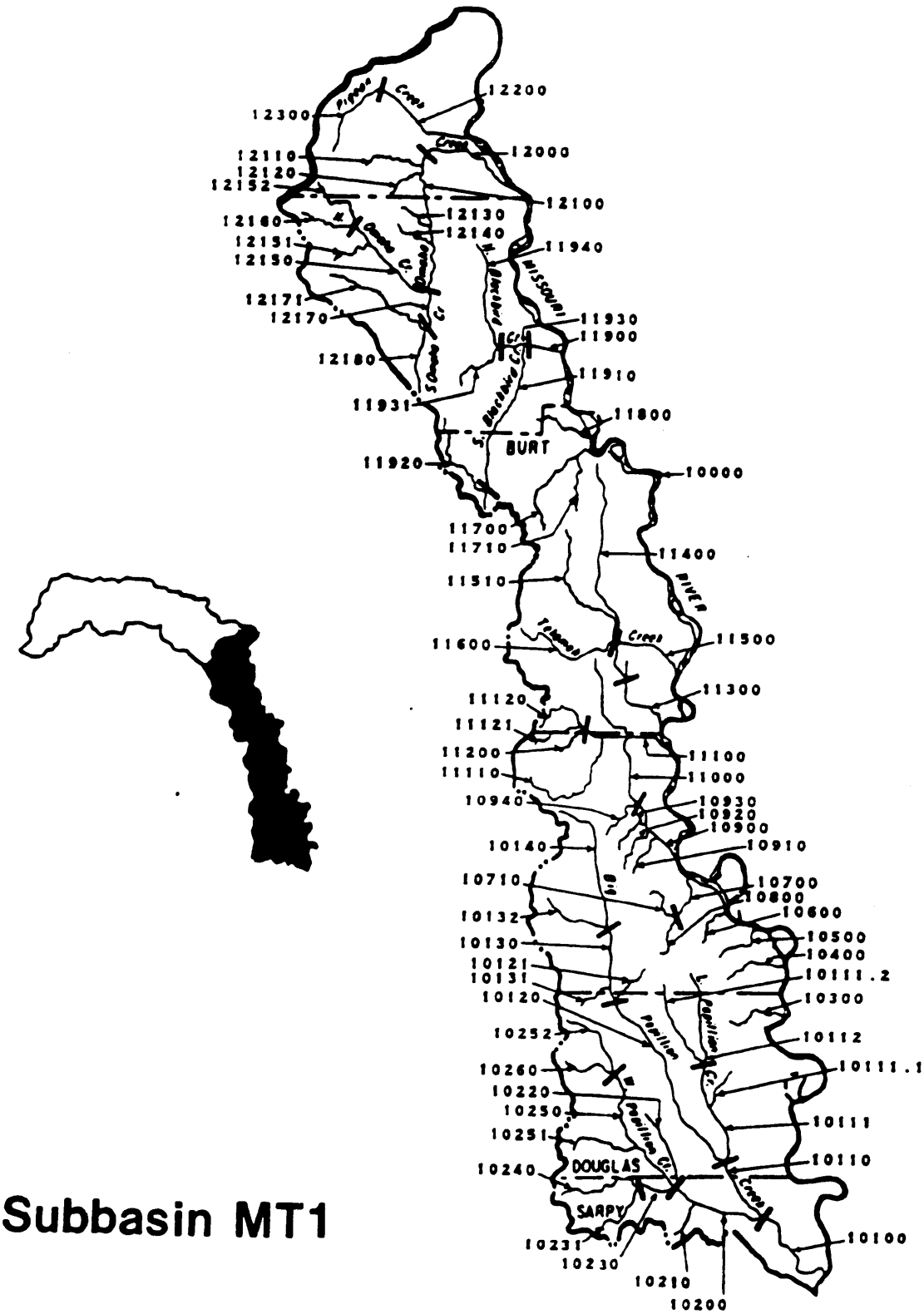
| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Platte River - Kearney Canal Return (Sec 11-8N-16W) to Wood River | 10000 | | ● | | A* | | A | | ● | i,j | |
| Wood River - Grand Island Utilities Ditch (Sec 13-11N-9W) to Platte River | 10100 | | | | A* | | A | | ● | i | |
| 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 | | ● | | |
| Platte River - Dawson County Canal Diversion (Sec 18-10N-23W) to Kearney Canal Return (Sec 11-8N-16W) | 20000 | | ● | | A* | | A | | ● | i,j | |
| North Dry Creek | 20100 | | | | B | | A | | ● | i | |
| Whiskey Slough | 20110 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 29-7N-17W) | 20120 | | | | B | | A | | ● | | |
| Turkey Creek | 20200 | | | | B | | A | | ● | | |
| Spring Creek | 20300 | | | | A | | A | | ● | | |
| Plum Creek | 20400 | | | | A | | A | | ● | | |
| 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 | | ● | 8,i,j, l,n,o s,w | Sensitive Species |
| Platte River - Thirty Mile Canal Diversion (Sec 30-12N-26W) to Dawson County Canal Diversion (Sec 18-10N-23W) | 30000 | | ● | | A* | | A | | ● | i,j | |
| Platte River - Confluence of North and South Platte Rivers to Thirty Mile Canal Diversion (Sec 30-12N-26W) | 40000 | | ● | | A* | | A | | ● | i,j | |
| Pawnee Creek | 40100 | | | | B | | A | | ● | | |
| Pawnee Slough | 40200 | | | | B | | A | | ● | | |
| Unnamed Slough (Sec 29-13N-28W) | 40300 | | | | B | | A | | ● | | |
| White Horse Creek | 40400 | | | B | | | A | | ● | f,i,n | |
| Unnamed Creek (Sec 21-14N-30W) | 40410 | | | | B | | A | | ● | | |

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

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




# MISSOURI TRIBUTARIES RIVER BASIN
## (and Subbasins)




# Subbasin MT1

**RIVER BASIN:** Missouri Tributaries

**Subbasin:** MT1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Missouri River - Big Sioux River to Platte River | 10000 | | ● | | A | ● | A | ● | ● | 1,2, b,h, i,j | Endangered Species Threatened Species |
| Papillion Creek - Big Papillion Creek to Missouri River | 10100 | | | | A | | A | | ● | i | |
| 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-9E) | 10132 | | | | B | | A | | ● | | |
| Big Papillion Creek - Headwaters to Northwest Branch (Sec 5-17N-9E) | 10140 | | | | B | | A | | ● | | |
| Papillion Creek - South Papillion Creek to Big Papillion Creek | 10200 | | | | A | | A | | ● | | |
| Walnut Creek | 10210 | | | | B | | A | | ● | | |
| 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 | | ● | | |

**RIVER BASIN:** Missouri Tributaries

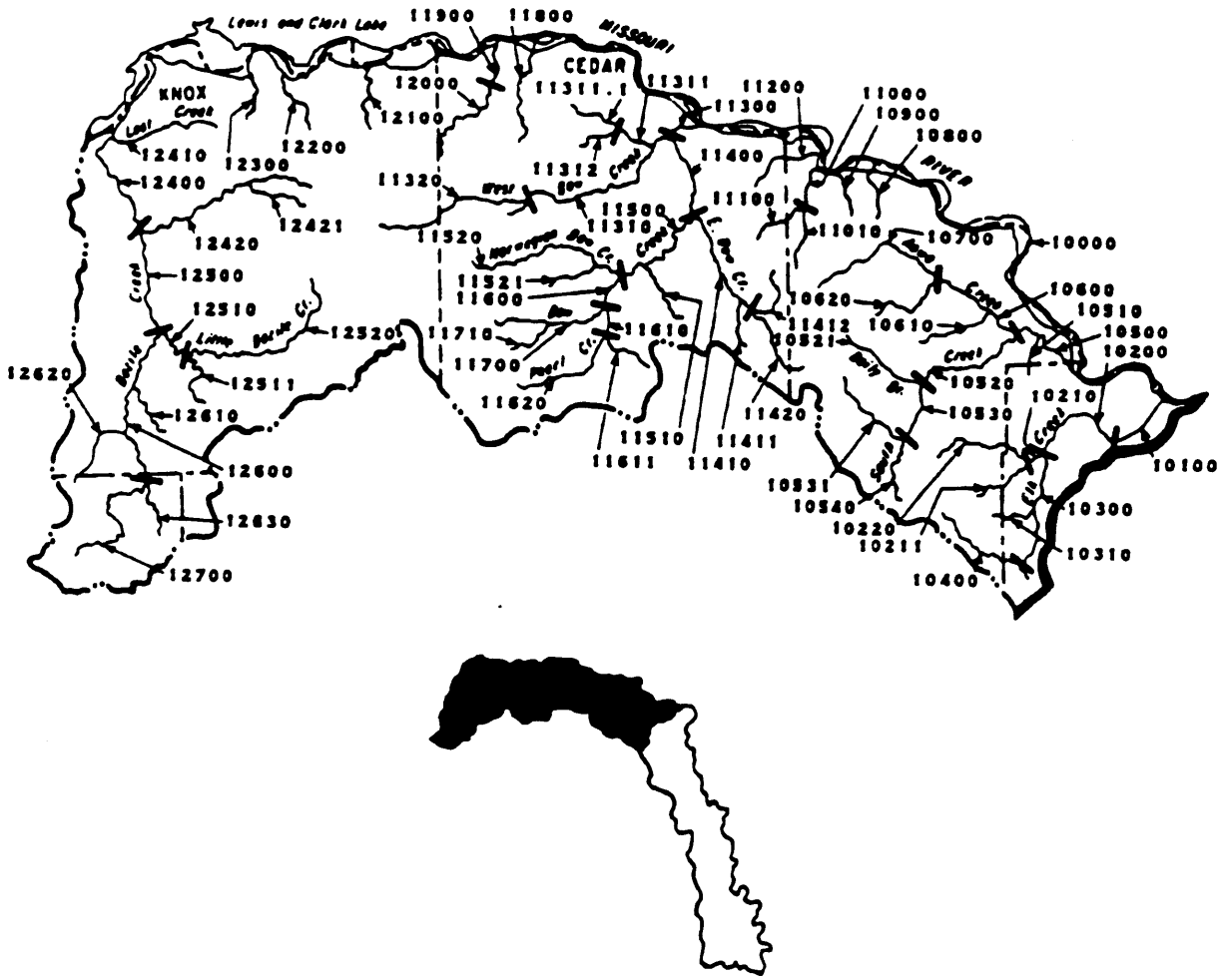
**Subbasin:** MT1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| West Papillion Creek - Headwaters to North Branch West Papillion Creek | 10260 | | | | B | | A | | ● | | |
| Ponca Creek | 10300 | | | | B | | A | | | | |
| Deer Creek | 10400 | | | | B | | A | | | | |
| Turkey Creek | 10500 | | | | B | | A | | | | |
| Moores Creek | 10600 | | | | B | | A | | | | |
| Long Creek - Mill Creek to Missouri River | 10700 | | | | B | | A | | | | |
| Mill Creek | 10710 | | | | B | | A | | | | |
| Long Creek - Headwaters to Mill Creek | 10800 | | | | B | | A | | | | |
| Cameron Ditch - Stuart Creek to Missouri River | 10900 | | | | B | | A | | | | |
| Couble Creek | 10910 | | | | B | | A | | | | |
| South Creek | 10920 | | | | B | | A | | | | |
| 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 | | | | |
| 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 - Forse Ditch (Sec 3-20N-11E) to Missouri River | 11300 | | | | B | | A | | | | |
| Combination Ditch - Headwaters to Forse Ditch (Sec 3-20N-11E) | 11400 | | | | B | | A | | | | |
| Tekamah Creek - Silver Creek to Missouri River | 11500 | | | | B | | A | | | | |
| Silver Creek | 11510 | | | | B | | A | | | | |
| Tekamah Creek - Headwaters to Silver Creek | 11600 | | | | B | | A | | | | |
| Elm Creek | 11700 | | | | B | | A | | | | |
| Lone Tree Creek | 11710 | | | | B | | A | | | | |

**RIVER BASIN:** Missouri Tributaries

**Subbasin:** MT1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Wood Creek | 11800 | | | | B | | A | | | | |
| Blackbird Creek - South Blackbird Creek to Missouri River | 11900 | | | | A | | A | | | | |
| South Blackbird Creek - Unnamed Creek (Sec 15-23N-9E) to Blackbird Creek | 11910 | | | | B | | A | | | | |
| South Blackbird Creek - Headwaters to Unnamed Creek (Sec 15-23N-9E) | 11920 | | | | B | | A | | ● | | |
| North Blackbird Creek - Unnamed Creek (Sec 26-25N-9E) to Blackbird Creek | 11930 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 26-25N-9E) | 11931 | | | | B | | A | | ● | | |
| North Blackbird Creek - Headwaters to Unnamed Creek (Sec 26-25N-9E) | 11940 | | | | B | | A | | ● | | |
| Omaha Creek - Sec 12-27N-8E to Missouri River | 12000 | | | | A | | A | | ● | i | |
| Omaha Creek - South Omaha Creek to Sec 12-27N-8E | 12100 | | | | B | | A | | ● | | |
| Fiddlers Creek | 12110 | | | | B | | A | | ● | | |
| Wigle Creek | 12120 | | | | B | | A | | ● | | |
| Turtle Creek | 12130 | | | | B | | A | | ● | | |
| Morgan Creek | 12140 | | | | B | | A | | ● | | |
| North Omaha Creek - Unnamed Creek (Sec 10-26N-7E) to Omaha Creek | 12150 | | | | B | | A | | ● | | |
| 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 | | ● | | |
| Cow Creek | 12171 | | | | B | | A | | ● | | |
| South Omaha Creek - Headwaters to Cow Creek | 12180 | | | | B | | A | | ● | | |
| Pigeon Creek - Sec 13-28N-7E to Missouri River | 12200 | | | | B | | A | | ● | | |
| Pigeon Creek - Headwaters to Sec 13-28N-7E | 12300 | | | | B | | A | | ● | | |
| Big Sioux River (Iowa) | — | | | | | | | | | | |






# Subbasin MT2

**RIVER BASIN:** Missouri Tributaries

**Subbasin:** MT2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Missouri River - Niobrara River to Big Sioux River | 10000 | A | ● | | A | ● | A | | ● | 1.2. a,b,i j,v. w | Endangered Species Threatened Species 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 | | ● | i,j | |
| Elk Creek - Otter Creek to Sec 35-29N-7E | 10200 | | | | B | | A | | ● | | |
| Otter Creek - Minnow Creek to Elk Creek | 10210 | | | | B | | A | | ● | | |
| Minnow Creek | 10211 | | | | B | | A | | ● | | |
| Otter Creek - Headwaters to Minnow Creek | 10220 | | | | B | | A | | ● | | |
| Elk Creek - Unnamed Creek (Sec 11-27N-6E) to Otter Creek | 10300 | | | | B | | A | | ● | | |
| Pigeon Creek | 10310 | | | | B | | A | | ● | | |
| Elk Creek - Headwaters to Unnamed Creek (Sec 11-27N-6E) | 10400 | | | | B | | A | | ● | | |
| Aowa Creek - South Creek to Missouri River | 10500 | | | | A | | A | | ● | i | |
| Badger Creek | 10510 | | | | B | | A | | ● | | |
| South Creek - Daily Branch to Aowa Creek | 10520 | | | | A | | A | | ● | | |
| Daily Branch | 10521 | | | | B | | A | | ● | | |
| South Creek - Jordan Creek to Daily Branch | 10530 | | | | B | | A | | ● | | |
| Jordan Creek | 10531 | | | | B | | A | | ● | | |
| South Creek - Headwaters to Jordan Creek | 10540 | | | | B | | A | | ● | | |
| Aowa Creek - Powder Creek to South Creek | 10600 | | | | B | | A | | ● | | |
| Silver Creek | 10610 | | | | B | | A | | ● | | |
| Powder Creek | 10620 | | | | B | | A | | ● | | |
| Aowa Creek - Headwaters to Powder Creek | 10700 | | | | B | | A | | ● | | |
| Turkey Creek | 10800 | | | | B | | A | | ● | | |
| Walnut Creek | 10900 | | | | B | | A | | ● | | |
| Lime Creek - West Branch Lime Creek to Missouri River | 11000 | | | | B | | A | | ● | | |

**RIVER BASIN:** Missouri Tributaries

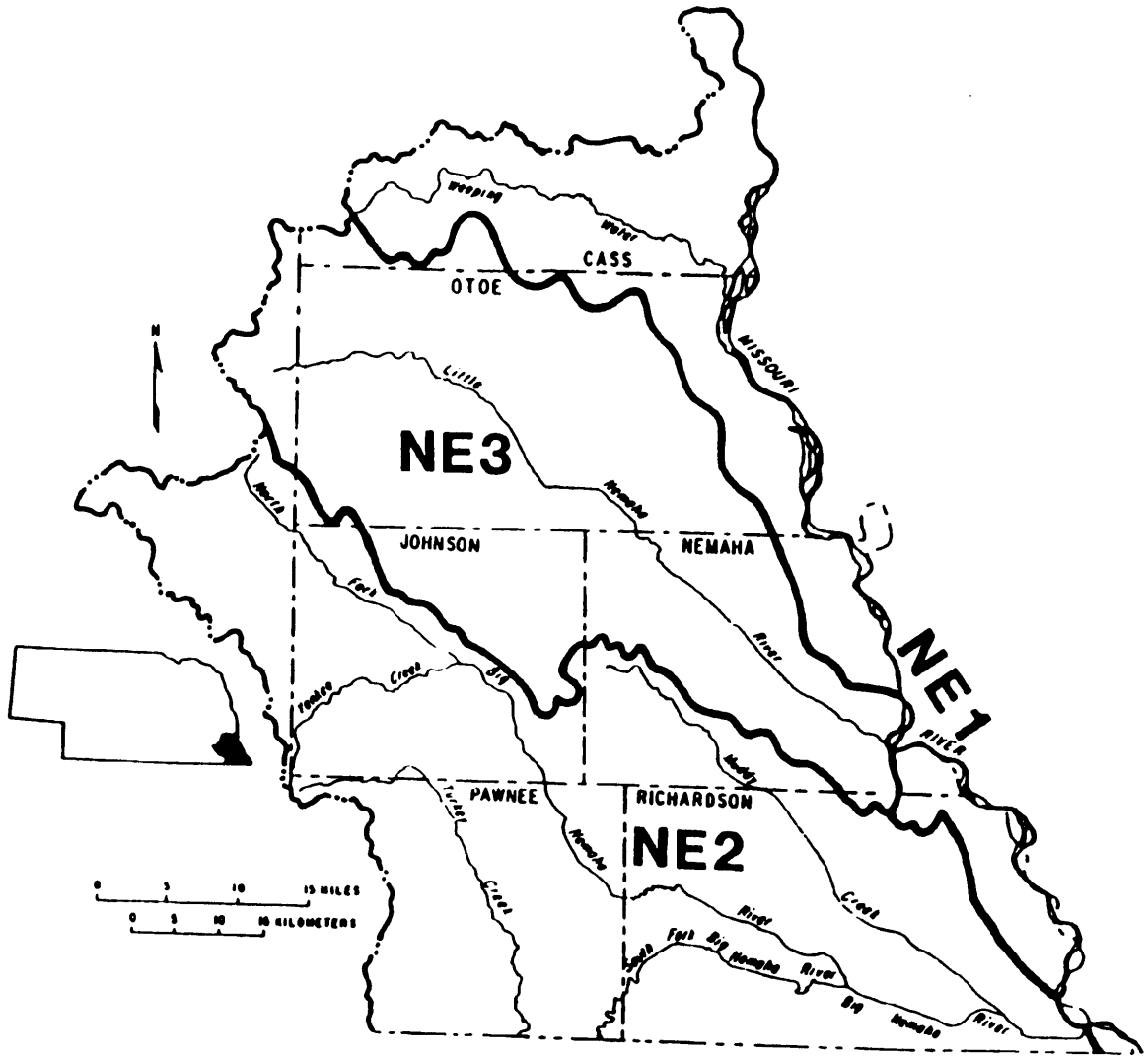
**Subbasin:** MT2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| West Branch Lime Creek | 11010 | | | | B | | A | | ● | | |
| Lime Creek - Headwaters to West Branch Lime Creek | 11100 | | | | B | | A | | ● | | |
| Ames Creek | 11200 | | | | B | | A | | ● | | |
| Bow Creek - West Bow Creek to Missouri River | 11300 | | | | A | | A | | ● | i,j,v | |
| West Bow Creek - Unnamed Creek (Sec 1-31N-1W) to Bow Creek | 11310 | | | | B | | A | | ● | | |
| Second Bow Creek - Unnamed Creek (Sec 7-32N-2E) to Bow Creek | 11311 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 7-32N-2E) | 11311.1 | | | B | | | A | | ● | 8 | Sensitive Species |
| Second Bow Creek - Headwaters to Unnamed Creek (Sec 7-32N-2E) | 11312 | | | | B | | A | | ● | | |
| West Bow Creek - Headwaters to Unnamed Creek (Sec 1-31N-1W) | 11320 | | | | B | | A | | ● | | |
| Bow Creek - East Bow Creek to West Bow Creek | 11400 | | | | A | | A | | ● | | |
| East Bow Creek - Unnamed Creek (Sec 10-30N-3E) to Bow Creek | 11410 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 32-31N-3E) | 11411 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 10-30N-3E) | 11412 | | | | B | | A | | ● | | |
| East Bow Creek - Headwaters to Unnamed Creek (Sec 10-30N-3E) | 11420 | | | | B | | A | | ● | | |
| Bow Creek - Norwegian Bow Creek to East Bow Creek | 11500 | | | | B | | A | | ● | | |
| Dead Creek | 11510 | | | | B | | A | | ● | | |
| Norwegian Bow Creek | 11520 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 26-31N-1E) | 11521 | | | | B | | A | | ● | | |
| Bow Creek - Pearl Creek to Norwegian Bow Creek | 11600 | | | | B | | A | | ● | | |
| Pearl Creek - Kerloo Creek to Bow Creek | 11610 | | | | B | | A | | ● | | |
| Kerloo Creek | 11611 | | | | B | | A | | ● | | |
| Pearl Creek - Headwaters to Kerloo Creek | 11620 | | | | B | | A | | ● | | |
| Bow Creek - Headwaters to Pearl Creek | 11700 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 17-30N-1E) | 11710 | | | | B | | A | | ● | | |

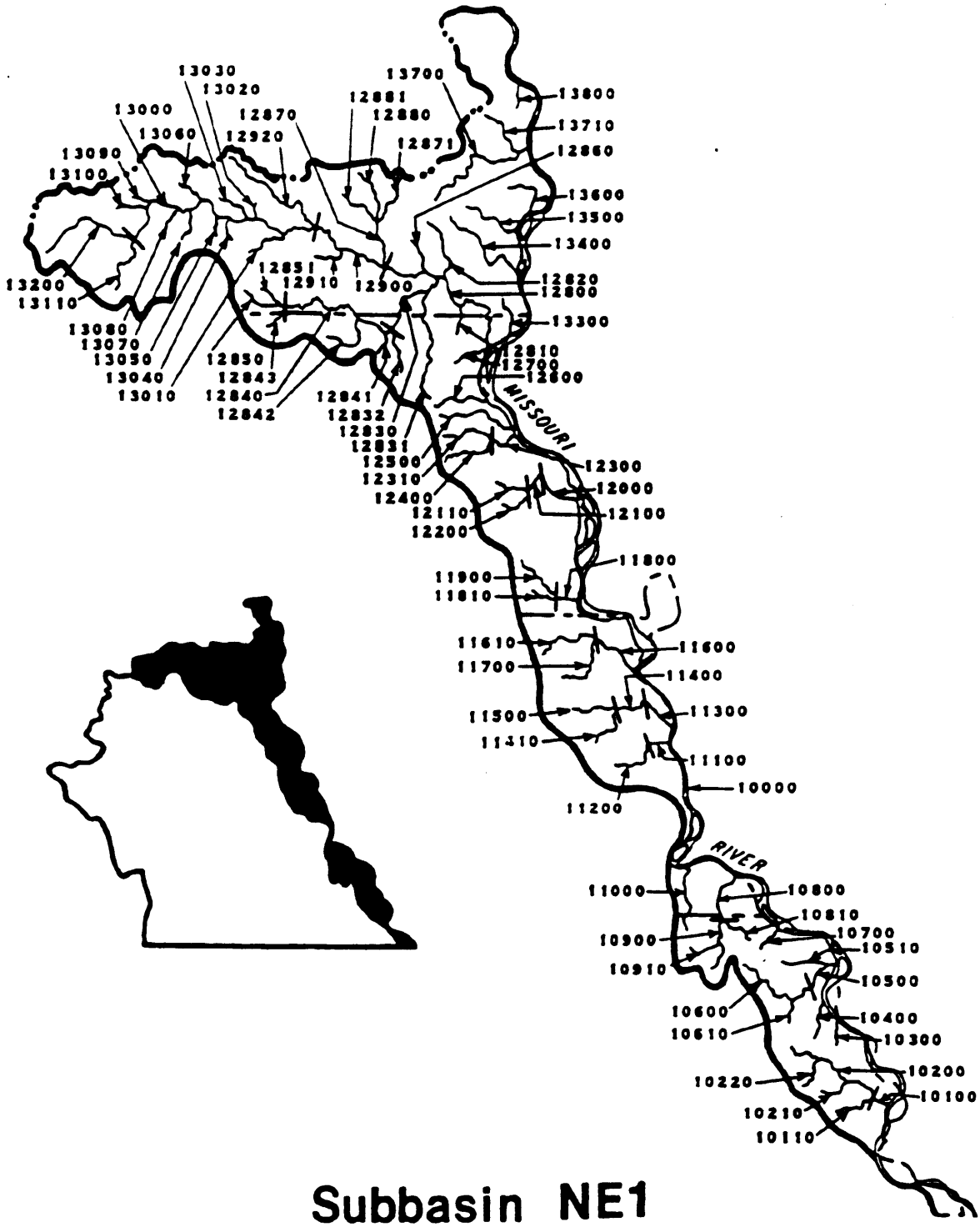
**RIVER BASIN:** Missouri Tributaries

**Subbasin:** MT2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Antelope Creek | 11800 | | | | B | | A | | ● | | |
| Beaver Creek - Sec 22-33N-1W to Missouri River | 11900 | | | | B | | A | | ● | | |
| Beaver Creek - Headwaters to Sec 22-33N-1W | 12000 | | | | B | | A | | ● | | |
| Weigand Creek - Headwaters to Lewis and Clark Lake | 12100 | | | | B | | A | | ● | | |
| Devils Nest Creek - Headwaters to Lewis and Clark Lake | 12200 | | | | B | | A | | ● | | |
| Cook Creek - Headwaters to Lewis and Clark Lake | 12300 | | | | B | | A | | ● | | |
| Bazile Creek - Howe Creek to Missouri River | 12400 | | | | A | | A | | ● | i | |
| Lost Creek | 12410 | | | | B | | A | | ● | | |
| Howe Creek | 12420 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 25-32N-4W) | 12421 | | | | B | | A | | ● | | |
| Bazile Creek - Little Bazile Creek to Howe Creek | 12500 | | | | A | | A | | ● | i | |
| Little Bazile Creek - Unnamed Creek (Sec 30-30N-4W) to Bazile Creek | 12510 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 30-30N-4W) | 12511 | | | | B | | A | | ● | | |
| Little Bazile Creek - Headwaters to Unnamed Creek (Sec 30-30N-4W) | 12520 | | | | B | | A | | ● | | |
| Bazile Creek - Unnamed Creek (Sec 3-28N-5W) to Little Bazile Creek | 12600 | | | | B | | A | | ● | | |
| Spring Creek | 12610 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 21-29N-5W) | 12620 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 3-28N-5W) | 12630 | | | | B | | A | | ● | | |
| Bazile Creek - Headwaters to Unnamed Creek (Sec 3-28N-5W) | 12700 | | | | B | | A | | ● | | |




# NEMAHA RIVER BASIN (and Subbasins)




# Subbasin NE1

**RIVER BASIN:** Nemaha

**Subbasin:** NE1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Missouri River - Platte River to Nebraska- Kansas border (Sec 32-1N-19E) | 10000 | | ● | | A | ● | A | ● | ● | 1,2, b,h,i ,j | Endangered Species Threatened Species |
| Big Nemaha River (see subbasin NE2) | — | | | | | | | | | | |
| Winnebago Creek - Bean Creek to Missouri River | 10100 | | | | B | | A | | ● | | |
| Bean Creek | 10110 | | | | B | | A | | ● | | |
| Winnebago Creek - Headwaters to Bean Creek | 10200 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 24-2N-17E) | 10210 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 15-2N-17E) | 10220 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 35-3N-17E) | 10300 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 26-3N-17E) | 10400 | | | | B | | A | | ● | | |
| Cottier Creek - Sec 21-3N-17E to Missouri River | 10500 | | | | B | | A | | ● | | |
| Wine Branch | 10510 | | | | B | | A | | ● | | |
| Cottier Creek - Headwaters to Sec 21-3N-17E | 10600 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 28-3N-17E) | 10610 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 5-3N-17E) | 10700 | A | | | B | | A | | ● | | |
| Beadow Creek - Unnamed Creek (Sec 2-3N-16E) to Missouri River | 10800 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 2-3N-16E) | 10810 | | | | B | | A | | ● | | |
| 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 | | ● | | |
| Little Nemaha River (see subbasin NE3) | — | | | | | | | | | | |
| Unnamed Creek (Sec 7-5N-16E) - Sec 12-5N-15E to Missouri River | 11100 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 7-5N-16E) - Headwaters to Sec 12-5N-15E | 11200 | | | | B | | A | | ● | | |
| Honey Creek - Sec 25-6N-15E to Missouri River | 11300 | | | | B | | A | | ● | | |
| Honey Creek - Unnamed Creek (Sec 34-6N-15E) to Sec 25-6N-15E | 11400 | | | | B | | A | | ● | | |

RIVER BASIN: Nemaha

Subbasin: NE1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | | ● | | |
| Duck Creek | 11610 | | | | B | | A | | ● | | |
| Buck Creek - Headwaters to Duck Creek | 11700 | | | | B | | A | | ● | | |
| Camp Creek - South Branch Camp Creek to Missouri River | 11800 | | | | B | | A | | ● | | |
| South Branch Camp Creek | 11810 | | | | B | | A | | ● | | |
| Camp Creek - Headwaters to South Branch Camp Creek | 11900 | | | | B | | A | | ● | | |
| Fourmile Creek - Sec 23-8N-14E to Missouri River | 12000 | | | | B | | A | | ● | | |
| Fourmile Creek - Threemile Creek to Sec 23-8N-14E | 12100 | | | | B | | A | | ● | | |
| Threemile Creek | 12110 | | | | B | | A | | ● | | |
| Fourmile Creek - Headwaters to Threemile Creek | 12200 | | | | B | | A | | ● | | |
| South Table Creek - Unnamed Creek (Sec 8-8N-14E) to Missouri River | 12300 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 8-8N-14E) | 12310 | | | | B | | A | | ● | | |
| South Table Creek - Headwaters to Unnamed Creek (Sec 8-8N-14E) | 12400 | | | | B | | A | | ● | | |
| North Table Creek | 12500 | | | | B | | A | | ● | | |
| Walnut Creek | 12600 | | | | B | | A | | ● | | |
| Squaw Creek | 12700 | | | | B | | A | | ● | | |
| Weeping Water Creek - North Branch Weeping Water Creek to Missouri River | 12800 | | | | A | | A | | ● | i | |
| 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 | | ● | | |

**RIVER BASIN:** Nemaha

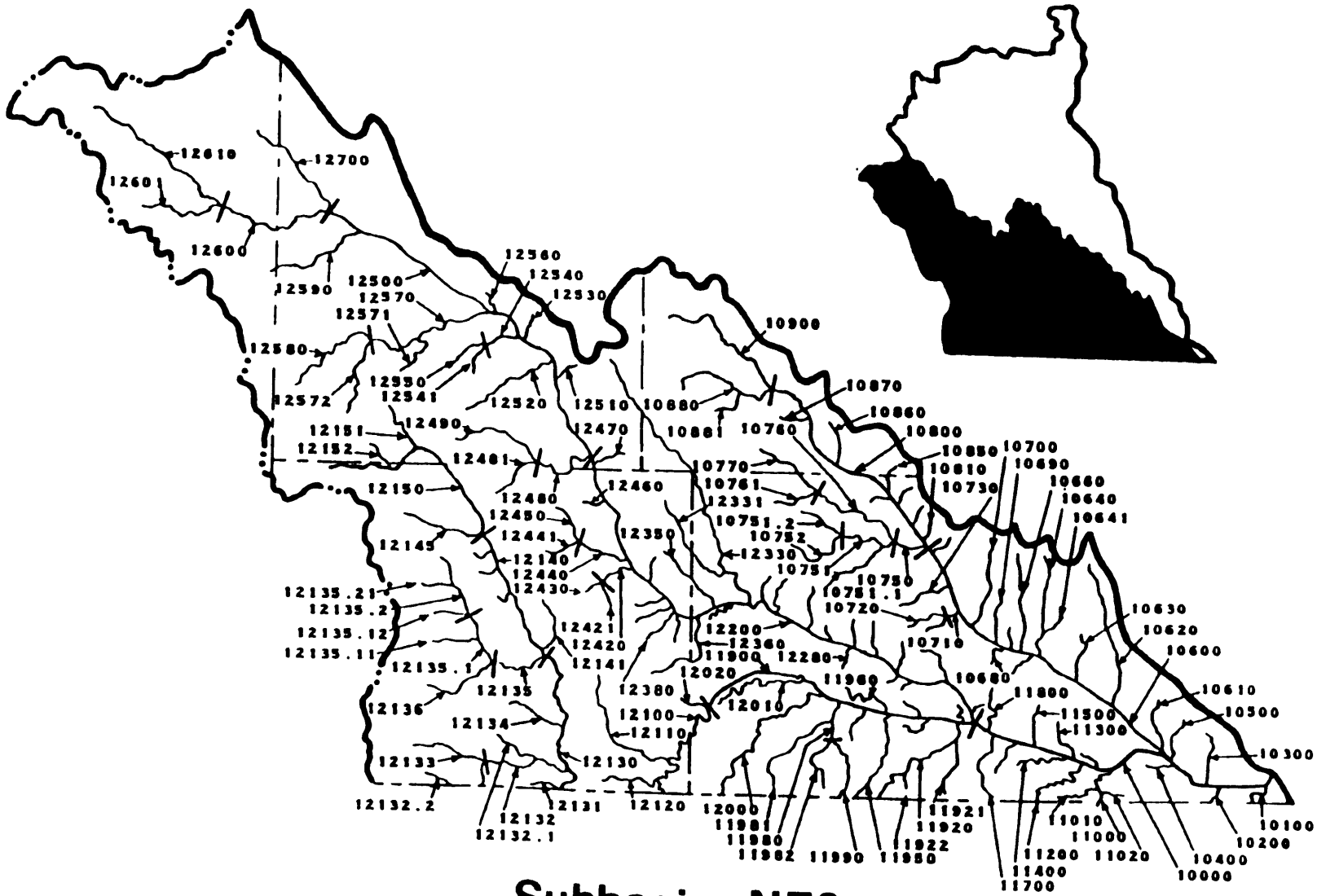
**Subbasin:** NE1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | | ● | | |
| 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 | | ● | | |

**RIVER BASIN:** Nemaha

**Subbasin:** NE1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Stove Creek | 13110 | | | | B | | A | | ● | | |
| | | | | | | | | | | | |
| Weeping Water Creek - Headwaters to Stove Creek | 13200 | | | | B | | A | | ● | | |
| East Chute | 13300 | | | | B | | A | | ● | | |
| | | | | | | | | | | | |
| Ervine Creek | 13400 | | | | B | | A | | ● | | |
| | | | | | | | | | | | |
| Rakes Creek | 13500 | | | | B | | A | | ● | | |
| | | | | | | | | | | | |
| Unnamed Creek (Sec 33-11N-14E) | 13600 | | | | B | | A | | ● | | |
| | | | | | | | | | | | |
| Rock Creek | 13700 | | | | B | | A | | ● | | |
| | | | | | | | | | | | |
| Squaw Creek | 13710 | | | | B | | A | | ● | | |
| | | | | | | | | | | | |
| Unnamed Creek (Sec 20-12N-14E) | 13800 | | | | B | | A | | ● | | |




Subbasin NE2

**RIVER BASIN:** Nemaha

**Subbasin:** NE2

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

RIVER BASIN: Nemaha

Subbasin: NE2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | | ● | | |
| 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 | | ● | | |
| Unnamed Creek (Sec 36-1N-16E) | 11010 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 36-1N-16E) | 11020 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 25-1N-16E) | 11100 | | | | B | | A | | ● | | |
| Pony Creek | 11200 | | | | A | | A | | ● | i | |
| Unnamed Creek (Sec 22-1N-16E) | 11300 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 22-1N-16E) | 11400 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 17-1N-16E) | 11500 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 18-1N-16E) | 11600 | | | | B | | A | | ● | | |
| Wildcat Creek | 11700 | | | | B | | A | | ● | | |

**RIVER BASIN:** Nemaha

**Subbasin:** NE2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Old Channel Big Nemaha River | 11800 | | | | B | | A | | ● | | |
| South Fork Big Nemaha River - Unnamed Creek (Sec 8-1N-13E) to Big Nemaha River | 11900 | | ● | | A | | A | | ● | i,j | |
| Unnamed Creek (Sec 10-1N-15E) | 11910 | | | | B | | A | | ● | | |
| Rock Creek | 11920 | | | | A | | A | | ● | i | |
| Contrary Creek | 11921 | | | | B | | A | | ● | | |
| Rabbit Creek | 11922 | | | | B | | A | | ● | | |
| Old Channel South Fork Big Nemaha River | 11930 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 7-1N-15E) | 11940 | | | | B | | A | | ● | | |
| Honey Creek | 11950 | | | | B | | A | | ● | | |
| Old Channel South Fork Big Nemaha River | 11960 | | | | B | | A | | ● | | |
| Holy Creek | 11970 | | | | B | | A | | ● | | |
| Rattlesnake Creek - Spring Creek to South Fork Big Nemaha River | 11980 | | | | A | | A | | ● | i | |
| Easty Creek | 11981 | | | | B | | A | | ● | | |
| Spring Creek | 11982 | | | | B | | A | | ● | | |
| Rattlesnake Creek - Headwaters to Spring Creek | 11990 | | | | B | | A | | ● | | |
| Fourmile Creek | 12000 | | | | A | | A | | ● | i | |
| Unnamed Creek (Sec 31-2N-14E) | 12010 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 8-1N-13E) | 12020 | | | | B | | A | | ● | | |
| South Fork Big Nemaha River - Nebraska-Kansas border (Sec 35-1N-12E) to Unnamed Creek (Sec 8-1N-13E) | 12100 | | ● | | A | | A | | ● | i,j | |
| Lores Branch | 12110 | | | | A | | A | | ● | i | |
| Negro Branch | 12120 | | | | B | | A | | ● | | |
| Turkey Creek - West Branch Turkey Creek to Nebraska-Kansas border (Sec 35-1N-11E) | 12130 | | | | A | | A | | ● | i | |
| Unnamed Creek (Sec 35-1N-11E) | 12131 | | | | B | | A | | ● | | |
| Johnson Creek - Wildcat Creek to Turkey Creek | 12132 | | | | A | | A | | ● | 12 | Sensitive Species |

**RIVER BASIN:** Nemaha

**Subbasin:** NE2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Beebe Creek | 12132.1 | | | | B | | A | | ● | | |
| Wildcat Creek | 12132.2 | | | | B | | A | | ● | | |
| 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 | | ● | | |
| 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 | | ● | i,j | |
| Unnamed Creek (Sec 33-2N-15E) | 12210 | | | | B | | A | | ● | | |
| Deer Branch | 12220 | | | | B | | A | | ● | | |

**RIVER BASIN:** Nemaha

**Subbasin:** NE2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Unnamed Creek (Sec 31-2N-15E) | 12230 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 25-2N-14E) | 12240 | | | | B | | A | | ● | | |
| Bradley Branch | 12250 | | | | B | | A | | ● | | |
| Barneys Branch | 12260 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 21-2N-14E) | 12270 | | | | B | | A | | ● | | |
| Cottonwood Creek | 12280 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 20-2N-14E) | 12290 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 18-2N-14E) | 12300 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 11-2N-13E) | 12310 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 10-2N-13E) | 12320 | | | | B | | A | | ● | | |
| Long Branch Creek | 12330 | | ● | | A | | A | | ● | i | |
| Kirkham Creek | 12331 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 8-2N-13E) | 12340 | | | | B | | A | | ● | | |
| Round Grove Creek | 12350 | | | | B | | A | | ● | | |
| Dry Branch | 12360 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 13-2N-12E) | 12370 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 13-2N-12E) | 12380 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 13-2N-12E) | 12390 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 11-2N-12E) | 12400 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 3-2N-12E) | 12410 | | | | B | | A | | ● | | |
| Taylor Branch - Unnamed Creek (Sec 6-2N-12E) to North Fork Big Nemaha River | 12420 | | | | B | | A | | ● | | |
| 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 | | ● | | |
| Coopers Branch | 12441 | | | | B | | A | | ● | | |
| Clear Creek - Headwaters to Coopers Branch | 12450 | | | | B | | A | | ● | | |

**RIVER BASIN:** Nemaha

**Subbasin:** NE2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Unnamed Creek (Sec 8-3N-12E) | 12460 | | | | B | | A | | ● | | |
| Robinson Creek | 12470 | | | | B | | A | | ● | | |
| Todd Creek - Elk Creek to North Fork Big Nemaha River | 12480 | | | | B | | A | | ● | | |
| Elk Creek | 12481 | | | | B | | A | | ● | | |
| Todd Creek - Headwaters to Elk Creek | 12490 | | | | B | | A | | ● | | |
| North Fork Big Nemaha River - Middle Branch Big Nemaha River to Todd Creek | 12500 | | ● | | A | | A | | ● | i | |
| Unnamed Creek (Sec 23-4N-11E) | 12510 | | | | B | | A | | ● | | |
| Corson Branch | 12520 | | | | B | | A | | ● | | |
| Town Branch | 12530 | | | | B | | A | | ● | | |
| Badger Branch - Unnamed Creek (Sec 36-5N-10E) to North Fork Big Nemaha River | 12540 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 36-5N-10E) | 12541 | | | | B | | A | | ● | | |
| Badger Branch - Headwaters to Unnamed Creek (Sec 36-5N-10E) | 12550 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 19-5N-11E) | 12560 | | | | B | | A | | ● | | |
| Yankee Creek - Lost Branch to North Fork Big Nemaha River | 12570 | | | | B | | A | | ● | | |
| Brewers Branch | 12571 | | | | B | | A | | ● | | |
| Lost Branch | 12572 | | | | B | | A | | ● | | |
| Yankee Creek - Headwaters to Lost Branch | 12580 | | | | B | | A | | ● | | |
| Hooker Creek | 12590 | | | | B | | A | | ● | | |
| 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 | | ● | | |

# Subbasin NE3

**RIVER BASIN:** Nemaha

**Subbasin:** NE3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Little Nemaha River - North Fork Little Nemaha River to Missouri River | 10000 | | | | A | | A | | ● | 1,j | |
| Whiskey Run | 10100 | | | | A | | A | | ● | 10 | Sensitive Species |
| Jarvis Creek - Unnamed Creek (Sec 22-4N-15E) to Little Nemaha River | 10200 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 22-4N-15E) | 10210 | | | | B | | A | | ● | | |
| 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 | | ● | | |
| Swartz Run - Unnamed Creek (Sec 21-5N-15E) to Little Nemaha River | 10500 | | | | B | | A | | ● | | |
| 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 | | ● | | |
| Indian Creek - Headwaters to Sec 5-4N-15E | 10800 | | | | A | | A | | ● | 10 | Sensitive Species |
| Unnamed Creek (Sec 30-5N-15E) | 10900 | | | | B | | A | | ● | | |
| Hughes Creek | 11000 | | | | A | | A | | ● | 10 | Sensitive Species |
| Codington Creek | 11100 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 24-5N-14E) | 11200 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 23-5N-14E) | 11300 | | | | B | | A | | ● | | |
| Longs Creek - Scotch Branch to Little Nemaha River | 11400 | | | | A | | A | | ● | 10 | Sensitive Species |
| Scotch Branch | 11410 | | | | B | | A | | ● | | |
| Longs Creek - Headwaters to Scotch Branch | 11500 | | | | A | | A | | ● | 10 | Sensitive Species |
| Willow Creek | 11600 | | | | B | | A | | ● | | |
| Ord Creek | 11700 | | | | B | | A | | ● | | |
| Rock Creek - Unnamed Creek (Sec 17-6N-14E) to Little Nemaha River | 11800 | | | | A | | A | | ● | 10,i | Sensitive Species |
| Plum Run | 11810 | | | | B | | A | | ● | | |

**RIVER BASIN:** Nemaha

**Subbasin:** NE3

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

RIVER BASIN: Nemaha

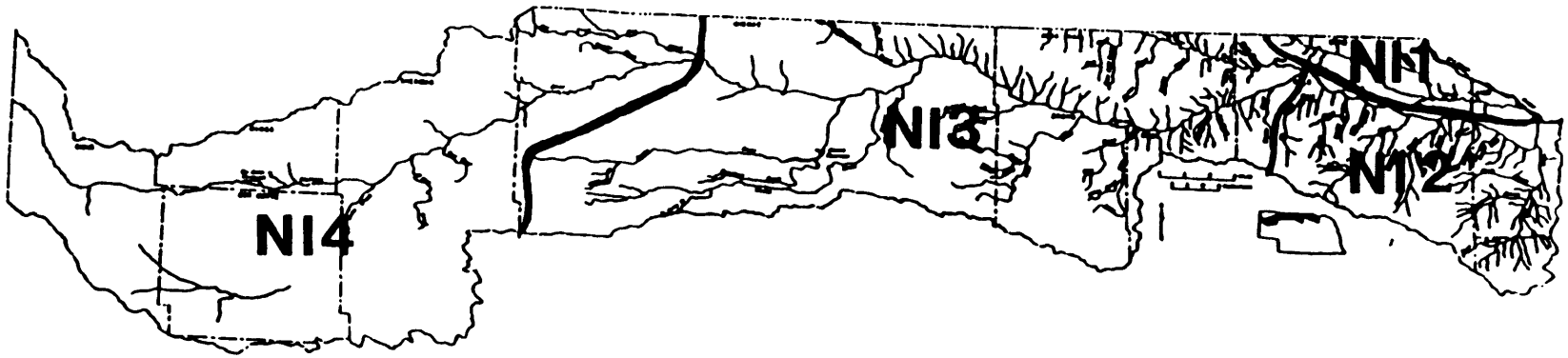
Subbasin: NE3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | | ● | i | |
| Spring Creek - Manns Branch to Little Nemaha River | 20100 | | | | B | | A | | ● | | |
| Ayres Creek | 20110 | | | | B | | A | | ● | | |
| Manns Branch | 20120 | | | | B | | A | | ● | | |
| Spring Branch - Headwaters to Manns Branch | 20200 | | | | B | | A | | ● | | |
| South Fork Little Nemaha River - Turkey Creek to Little Nemaha River | 20300 | | | | A | | A | | ● | i | |
| Coon Creek | 20310 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 9-6N-11E) | 20320 | | | | B | | A | | ● | | |
| Turkey Creek | 20330 | | | | B | | A | | ● | | |
| South Fork Little Nemaha River - Saunders Creek to Turkey Creek | 20400 | | | | A | | A | | ● | 10 | Sensitive Species |
| Silver Creek | 20410 | | | | A | | A | | ● | 10 | Sensitive Species |
| Saunders Creek | 20420 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 5-6N-10E) | 20421 | | | | B | | A | | ● | | |
| Saunders Creek - Headwaters to Unnamed Creek (Sec 5-6N-10E) | 20430 | | | | B | | A | | ● | | |
| South Fork Little Nemaha River - Headwaters to Saunders Creek | 20500 | | | | A | | A | | ● | 10 | Sensitive Species |
| Unnamed Creek (Sec 19-7N-10E) | 20510 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 19-7N-10E) | 20520 | | | | B | | A | | ● | | |
| Little Nemaha River - Hooper Creek to South Fork Little Nemaha River | 30000 | | | | A | | A | | ● | i | |
| Unnamed Creek (Sec 18-7N-12E) | 30100 | | | | B | | A | | ● | | |

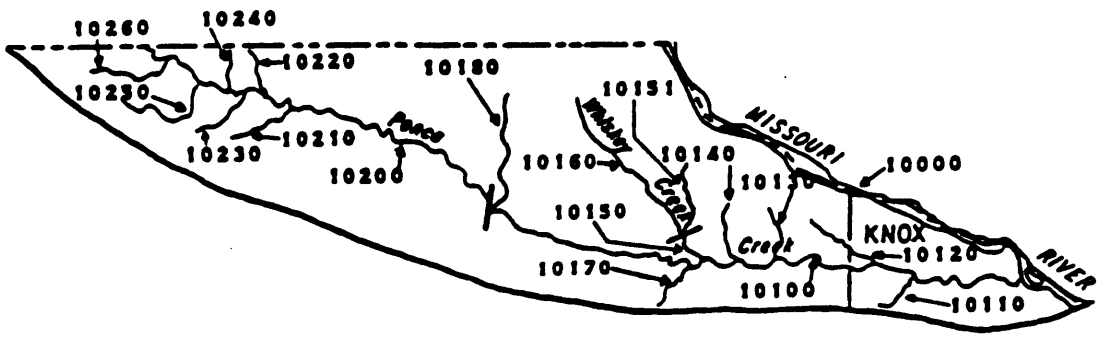
**RIVER BASIN:** Nemaha

**Subbasin:** NE3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Muddy Creek | 30200 | | | | B | | A | | ● | | |
| Little Muddy Creek | 30210 | | | | B | | A | | ● | | |
| Brownell Creek - Unnamed Creek (Sec 23-8N-11E) to Little Nemaha River | 30300 | | | | B | | A | | ● | | |
| 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 | | ● | | |
| Unnamed Creek (Sec 27-8N-11E) | 30600 | | | | B | | A | | ● | | |
| Ziegler Creek | 30700 | | | | B | | A | | ● | | |
| Wolf Creek - Owl Creek to Little Nemaha River | 30800 | | | | B | | A | | ● | | |
| 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 | | ● | | |
| Henry Creek | 31100 | | | | B | | A | | ● | | |
| Hooper Creek - Unnamed Creek (Sec 11-9N-9E) to Little Nemaha River | 31200 | | | | A | | A | | ● | i | |
| 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 | | ● | i | |
| Silver Creek | 40100 | | | | B | | A | | ● | | |
| Little Nemaha River - Headwaters to Silver Creek | 50000 | | | | B | | A | | ● | | |
| 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 | | ● | | |




NIOBRARA RIVER BASIN (and Subbasins)

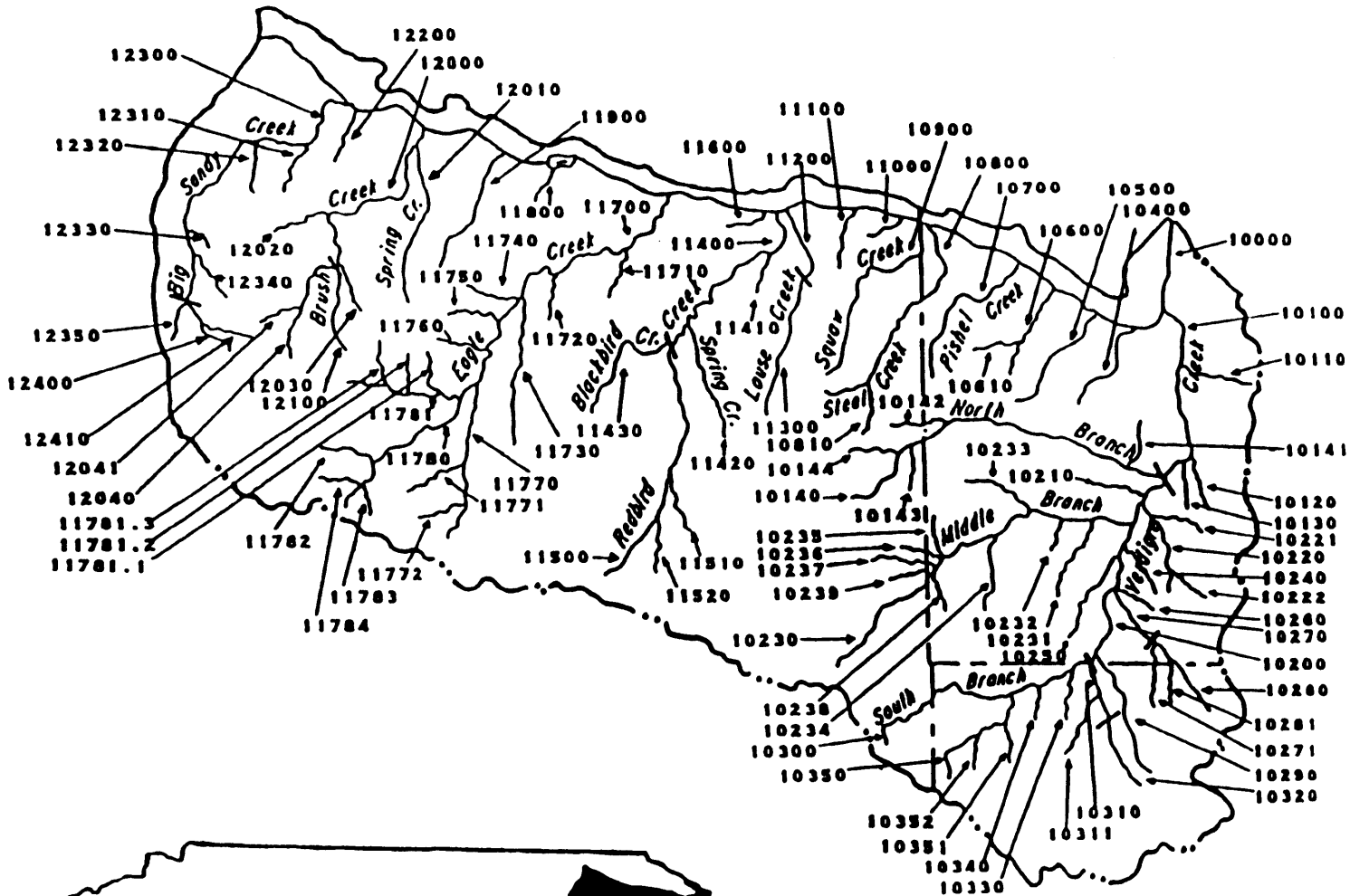



# Subbasin NI1

**RIVER BASIN:** Niobrara

**Subbasin:** NI1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Missouri River - Nebraska-South Dakota border (Sec 21-35N-10W) to Niobrara River | 10000 | A | ● | | A | | A | | ● | a,b,f i,j,m n,o, s,t,v w | |
| Ponca Creek - Beaver Creek (Sec 1-33N-12W) to Missouri River | 10100 | | | | A | | A | | ● | i | |
| Unnamed Creek (Sec 21-33N-8W) | 10110 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 19-33N-8W) | 10120 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 16-33N-9W) | 10130 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 20-33N-9W) | 10140 | | | | B | | A | | ● | | |
| Whiskey Creek - Silver Creek to Ponca Creek | 10150 | | | | B | | A | | ● | | |
| Silver Creek | 10151 | | | | B | | A | | ● | | |
| Whiskey Creek - Headwaters to Silver Creek | 10160 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 22-33N-10W) | 10170 | | | | B | | A | | ● | | |
| Beaver Creek (Sec 1-33N-12W) | 10180 | | | | A | | A | | ● | | |
| Ponca Creek - Nebraska-South Dakota border (Sec 23-35N-15W) to Beaver Creek | 10200 | | | | A | | A | | ● | | |
| Unnamed Creek (Sec 1-34N-14W) | 10210 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 35-35N-14W) | 10220 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 33-35N-14W) | 10230 | | | | A | | A | | ● | 9,10 | Sensitive Species |
| Unnamed Creek (Sec 32-25N-14W) | 10240 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 29-35N-14W) | 10250 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 24-35N-15W) | 10260 | | | | B | | A | | ● | | |




# Subbasin NI2

**RIVER BASIN:** Niobrara

**Subbasin:** NI2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Niobrara River - Keya Paha River to Missouri River | 10000 | A* | ● | | A | | A | ● | ● | i,n,r, s,t,v | |
| Verdigre Creek - North Branch Verdigre Creek to Niobrara River | 10100 | A** | | | A | | A | | ● | | |
| Unnamed Creek (Sec 29-31N-6W) | 10110 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 9-30N-6W) | 10120 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 8-30N-6W) | 10130 | | | | B | | A | | ● | | |
| North Branch Verdigre Creek | 10140 | | | B | | | A | | ● | 12 | Sensitive Species |
| Unnamed Creek (Sec 11-30N-7W) | 10141 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 31-31N-8W) | 10142 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 1-30N-9W) | 10143 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 11-30N-9W) | 10144 | | | | B | | A | | ● | | |
| Verdigre Creek - Confluence of South Branch and East Branch Verdigre Creeks (Sec 33-29N-7W) to North Branch Verdigre Creek | 10200 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 24-30N-7W) | 10210 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 24-30N-7W) | 10220 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 30-30N-6W) | 10221 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 31-30N-6W) | 10222 | | | | B | | A | | ● | | |
| Middle Branch Verdigre Creek | 10230 | | | B | | | A | | ● | 12 | Sensitive Species |
| Unnamed Creek (Sec 29-30N-7W) | 10231 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 26-30N-8W) | 10232 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 26-30N-8W) | 10233 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 35-30N-8W) | 10234 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 32-30N-8W) | 10235 | | | | B | | A | | ● | | |
| Lamb Creek | 10236 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 6-29N-8W) | 10237 | | | B | | | A | | ● | 12 | Sensitive Species |
| Unnamed Creek (Sec 6-29N-8W) | 10238 | | | | B | | A | | ● | | |

*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: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Unnamed Creek (Sec 7-29N-8W) | 10239 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 35-30N-7W) | 10240 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 2-29N-7W) | 10250 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 11-29N-7W) | 10260 | | | | B | | A | | ● | | |
| Merriman Creek - Unnamed Creek (Sec 25-28N-7W) to Verdigre Creek | 10270 | | | B | | | A | | ● | 12,n | Sensitive Species |
| Unnamed Creek (Sec 25-28N-7W) | 10271 | | | B | | | A | | ● | | |
| Merriman Creek - Headwaters to Unnamed Creek (Sec 25-28N-7W) | 10280 | | | B | | | A | | ● | 12,n | Sensitive Species |
| Unnamed Creek (Sec 31-29N-6W) | 10281 | | | | B | | A | | ● | | |
| Cottonwood Creek | 10290 | | | | B | | A | | ● | | |
| South Branch Verdigre Creek - Headwaters to East Branch Verdigre Creek (Sec 33-29N-7W) | 10300 | | | B | | | A | | ● | 12 | 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 | | ● | n,r | |
| Hay Creek | 10311 | | | | B | | A | | ● | | |
| East Branch Verdigre Creek - Headwaters to Grove Lake Dam (Sec 22-28N-7W) | 10320 | | | A | | | A | | ● | e,n, r | |
| Unnamed Creek (Sec 6-28N-7W) | 10330 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 12-28N-8W) | 10340 | | | | B | | A | | ● | | |
| Big Springs Creek | 10350 | | | B | | | A | | ● | 12 | Sensitive Species |
| Hathoway Slough | 10351 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 22-28N-8W) | 10352 | | | | B | | A | | ● | | |
| Schindler Creek | 10400 | | | B | | | A | | ● | 13 | Sensitive Species |
| Unnamed Creek (Sec 3-31N-7W) | 10500 | | | | B | | A | | ● | | |
| Soldier Creek | 10600 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 12-31N-8W) | 10610 | | | | B | | A | | ● | | |
| Pishel Creek | 10700 | | | B | | | A | | ● | | |
| Steel Creek | 10800 | | | A | | | A | | ● | n,r | |
| Long Gulch | 10810 | | | B | | | A | | ● | | |

**RIVER BASIN:** Niobrara

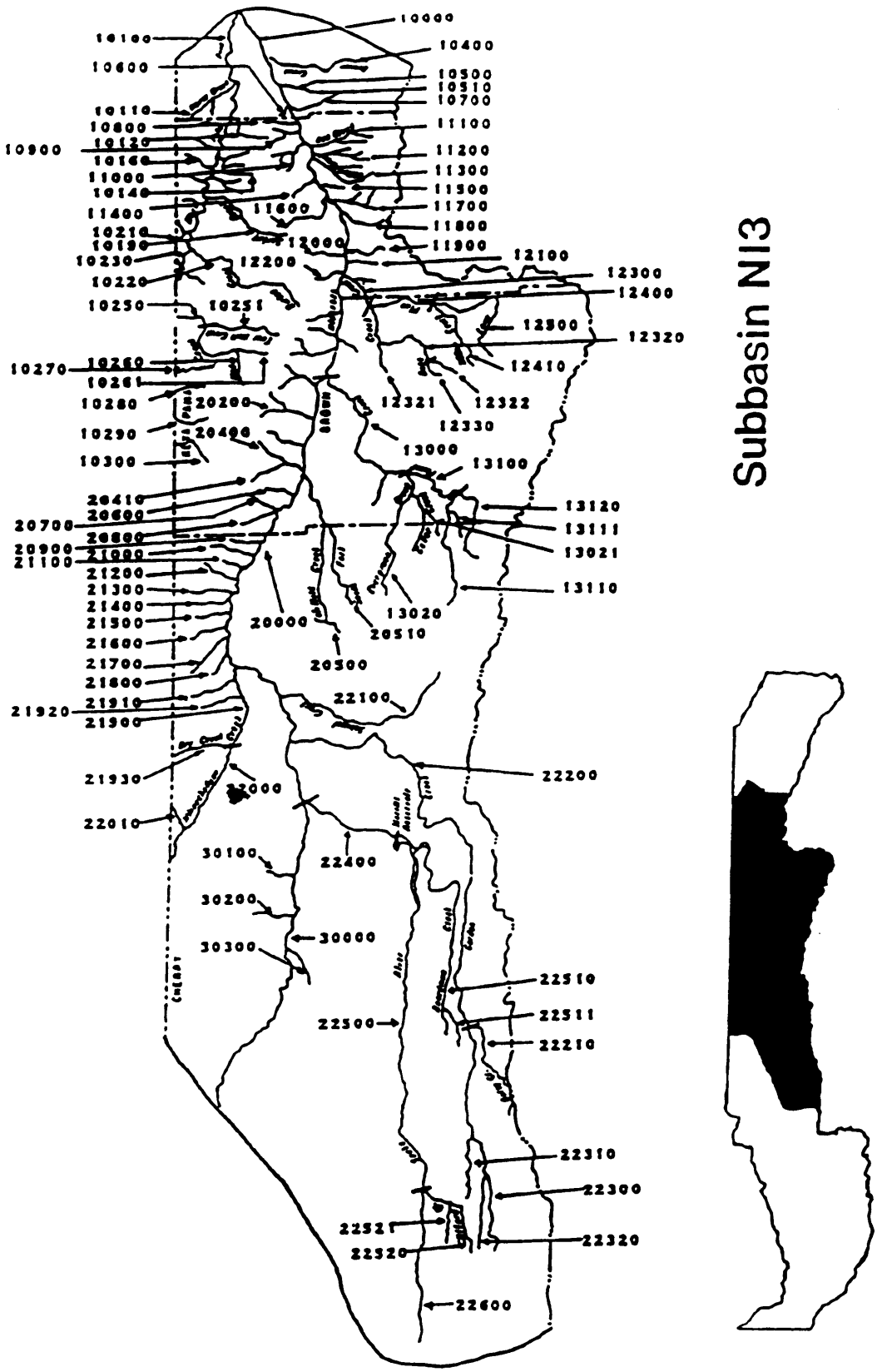
**Subbasin:** NI2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Squaw Creek | 10900 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 10-32N-9W) | 11000 | | | B | | | A | | ● | | |
| Sand Creek | 11100 | | | B | | | A | | ● | | |
| Louse Creek - Sec 36-32N-10W to Niobrara River | 11200 | | | A | | | A | | ● | 12,d e,i,r | Sensitive Species |
| Louse Creek - Headwaters to Sec 36-32N-10W | 11300 | | | A | | | A | | ● | 12,d ,e | Sensitive Species |
| Redbird Creek - Blackbird Creek to Niobrara River | 11400 | | | B | | | A | | ● | 12 | Sensitive Species |
| Unnamed Creek (Sec 14-32N-10W) | 11410 | | | | B | | A | | ● | | |
| Spring Creek | 11420 | | | B | | | A | | ● | 9,12 | Sensitive Species |
| Blackbird Creek | 11430 | | | | B | | A | | ● | | |
| Redbird Creek - Headwaters to Blackbird Creek | 11500 | | | B | | | A | | ● | 12 | Sensitive Species |
| Unnamed Creek (Sec 12-30N-11W) | 11510 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 23-30N-11W) | 11520 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 11-32N-10W) | 11600 | | | B | | | A | | ● | | |
| Eagle Creek | 11700 | | | B | | | A | | ● | i | |
| Camp Creek | 11710 | | | B | | | A | | ● | 3,12 | Threatened Species Sensitive Species |
| Unnamed Creek (Sec 26-32N-10W) | 11720 | | | B | | | A | | ● | | |
| Honey Creek | 11730 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 33-32N-12W) | 11740 | | | B | | | A | | ● | | |
| Oak Creek | 11750 | | | A | | | A | | ● | d | |
| Unnamed Creek (Sec 17-31N-12W) | 11760 | | | B | | | A | | ● | | |
| East Branch Eagle Creek | 11770 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 7-30N-12W) | 11771 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 20-30N-12W) | 11772 | | | B | | | A | | ● | | |
| Middle Branch Eagle Creek | 11780 | | | B | | | A | | ● | 12,i | Sensitive Species |
| North Branch Eagle Creek | 11781 | | | B | | | A | | ● | 12 | Sensitive Species |
| Unnamed Creek (Sec 25-31N-13W) | 11781.1 | | | B | | | A | | ● | | |

**RIVER BASIN:** Niobrara

**Subbasin:** NI2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Unnamed Creek (Sec 26-31N-13W) | 11781.2 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 27-31N-13W) | 11781.3 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 8-30N-13W) | 11782 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 8-30N-13W) | 11783 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 7-30N-13W) | 11784 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 25-33N-12W) | 11800 | | | | B | | A | | ● | | |
| Turkey Creek | 11900 | | | B | | | A | | ● | | |
| Brush Creek - Unnamed Creek (Sec 24-32N-14W) to Niobrara River | 12000 | | | B | | | A | | ● | 12,n | Sensitive Species |
| Spring Creek | 12010 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 11-32N-14W) | 12020 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 24-32N-14W) | 12030 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 24-32N-14W) | 12040 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 33-32N-14W) | 12041 | | | B | | | A | | ● | | |
| Brush Creek - Headwaters to Unnamed Creek (Sec 24-32N-14W) | 12100 | | | B | | | A | | ● | 12,n | Sensitive Species |
| Little Sandy Creek | 12200 | | | B | | | A | | ● | d | |
| Big Sandy Creek - Spring Creek to Niobrara River | 12300 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 23-33N-14W) | 12310 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 21-33N-14W) | 12320 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 22-32N-15W) | 12330 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 27-32N-15W) | 12340 | | | | B | | A | | ● | | |
| Spring Creek | 12350 | | | B | | | A | | ● | 9 | Sensitive Species |
| Big Sandy Creek - Headwaters to Spring Creek | 12400 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 3-31N-15W) | 12410 | | | B | | | A | | ● | | |




Subbasin NI3

**RIVER BASIN:** Niobrara

**Subbasin:** NI3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Niobrara River - Plum Creek to Keya Paha River | 10000 | A* | ● | | A | | A | | ● | i,m, n,r | |
| Keya Paha River - Nebraska-South Dakota border (Sec 23-35N-20W) to Niobrara River | 10100 | | | | A | | A | | ● | i,n | |
| Morse Creek | 10110 | | | B | | | A | | ● | 12 | Sensitive Species |
| Unnamed Creek (Sec 9-34N-16W) | 10111 | | | B | | | A | | ● | | |
| Big Creek | 10120 | | | B | | | A | | ● | | |
| Meglin Creek | 10130 | | | B | | | A | | ● | | |
| Oak Creek | 10140 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 25-34N-17W) | 10141 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 26-34N-17W) | 10142 | | | B | | | A | | ● | | |
| Alkali Creek | 10150 | | | | B | | A | | ● | | |
| Spotted Tail Creek | 10160 | | | B | | | A | | ● | 12 | Sensitive Species |
| Coon Creek | 10170 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 17-34N-17W) | 10171 | | | | B | | A | | ● | | |
| Wolf Creek | 10180 | | | B | | | A | | ● | | |
| Spring Creek | 10190 | | | B | | | A | | ● | | |
| Dry Creek | 10200 | | | | B | | A | | ● | | |
| Buffalo Creek - Nebraska-South Dakota border (Sec 22-35N-19W) to Keya Paha River | 10210 | | | | B | | A | | ● | | |
| Unnamed Creek - Nebraska-South Dakota border to Buffalo Creek (Sec 26-35N-19W) | 10211 | | | | B | | A | | ● | | |
| Burton Creek | 10220 | | | B | | | A | | ● | | |
| Lute Creek - Nebraska-South Dakota border (Sec 20-35N-19W) to Keya Paha River | 10230 | | | | B | | A | | ● | | |
| Jordan Creek | 10240 | | | | B | | A | | ● | | |
| Holt Creek - East Branch Holt Creek to Nebraska-South Dakota border (Sec 19-35N-20W) | 10250 | | | B | | | A | | ● | 3,4, 5,6, 9,12 15, 16 | Threatened Species Sensitive Species |

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

**RIVER BASIN:** Niobrara

**Subbasin:** NI3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| East Branch Holt Creek | 10251 | | | B | | | A | | ● | 3,4 | Threatened Species |
| Holt Creek - Headwaters to East Branch Holt Creek | 10260 | | | B | | | A | | ● | 3,4, 5,6 | Threatened Species |
| Unnamed Creek (Sec 21-34N-21W) | 10261 | | | B | | | A | | ● | 3,4 | Threatened Species |
| Timber Creek - Headwaters to Nebraska-South Dakota border (Sec 19-35N-21W) | 10270 | | | B | | | A | | ● | 3,4 | Threatened Species |
| Cottonwood Creek - Headwaters to Nebraska-South Dakota border (Sec 21-35N-22W) | 10280 | | | | A | | A | | ● | 3,4, 5 | Threatened Species |
| Lost Creek - Headwaters to Nebraska-South Dakota border (Sec 22-35N-23W) | 10290 | | | | A | | A | | ● | 3,4, n | Threatened Species |
| Shadley Creek - Headwaters to Nebraska-South Dakota border (Sec 23-35N-24W) | 10300 | | | B | | | A | | ● | 3,4 | Threatened Species |
| Beaver Creek | 10400 | | | B | | | A | | ● | 13,n | Sensitive Species |
| Clay Creek | 10500 | | | B | | | A | | ● | | |
| West Branch Clay Creek | 10510 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 20-33N-16W) | 10600 | | | | B | | A | | ● | | |
| Otter Creek | 10700 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 25-33N-17W) | 10800 | | | B | | | A | | ● | | |
| Simpson Creek | 10900 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 22-33N-17W) | 10910 | | | B | | | A | | ● | | |
| Big Anna Creek | 11000 | | | B | | | A | | ● | | |
| Haughin Creek | 11010 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 29-33N-17W) | 11011 | | | B | | | A | | ● | | |
| Ash Creek | 11100 | | | B | | | A | | ● | d | |
| Unnamed Creek (Sec 8-32N-17W) | 11110 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 3-31N-17W) | 11120 | | | | B | | A | | ● | | |
| Oak Creek | 11200 | | | B | | | A | | ● | d,e | |
| Unnamed Creek (Sec 18-32N-17W) | 11210 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 12-32N-18W) | 11220 | | | B | | | A | | ● | | |
| Willow Creek | 11300 | | | B | | | A | | ● | 3, 12 | Threatened Species Sensitive Species |

**RIVER BASIN:** Niobrara

**Subbasin:** NI3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sand Creek | 11310 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 3-32N-18W) | 11400 | | | B | | | A | | ● | | |
| Rock Creek | 11500 | | | B | | | A | | ● | 12 | Sensitive Species |
| Unnamed Creek (Sec 18-32N-18W) | 11600 | | | B | | | A | | ● | | |
| West Branch Laughing Water Creek | 11700 | | | B | | | A | | ● | | |
| East Branch Laughing Water Creek | 11710 | | | B | | | A | | ● | | |
| Middle Branch Laughing Water Creek | 11720 | | | B | | | A | | ● | | |
| Coon Creek | 11800 | | | B | | | A | | ● | d,e | |
| Elk Creek | 11900 | | | B | | | A | | ● | | |
| Wyman Creek | 12000 | | | B | | | A | | ● | | |
| Sand Creek | 12100 | | | A | | | A | | ● | d | |
| Thomas Creek | 12200 | | | B | | | A | | ● | | |
| Long Pine Creek - Bone Creek to Niobrara River | 12300 | | ● | B | | | A | | ● | d,e,i | |
| Short Pine Creek | 12310 | | | A | | | A | | ● | 12, c,d | Sensitive Species |
| Bone Creek - Unnamed Creek (Sec 23-30N-22W) to Long Pine Creek | 12320 | | | B | | | A | | ● | 8 | Sensitive Species |
| Sand Draw | 12321 | | | B | | | A | | ● | 3,4, 5,r | Threatened Species |
| Unnamed Creek (Sec 23-30N-22W) | 12322 | | | B | | | A | | ● | | |
| Bone Creek - Headwaters to Unnamed Creek (Sec 23-30N-22W) | 12330 | | | B | | | A | | ● | 3,4, 5,8, 10 | Threatened Species Sensitive Species |
| Long Pine Creek - Willow Creek to Bone Creek | 12400 | B | ● | A | | | A | | ● | 6,8, d,e | Threatened Species Sensitive Species |
| Willow Creek | 12410 | | | B | | | A | | ● | | |
| Long Pine Creek - Headwaters to Willow Creek | 12500 | B | | A | | | A | | ● | 8, d,e | Sensitive Species |
| Prosser Creek | 12600 | | | B | | | A | | ● | | |
| Jewett Creek | 12700 | | | B | | | A | | ● | | |
| Dutch Creek | 12800 | | | B | | | A | | ● | | |
| Rock Creek | 12900 | | | | B | | A | | ● | | |

**RIVER BASIN:** Niobrara

**Subbasin:** NI3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Unnamed Creek (Sec 1-32N-22W) | 12910 | | | | B | | A | | ● | | |
| Plum Creek - Evergreen Creek to Niobrara River | 13000 | | ● | B | | | A | | ● | | |
| Little Minnie Creek | 13010 | | | B | | | A | | ● | | |
| Evergreen Creek | 13020 | | | B | | | A | | ● | 13, 15 | Sensitive Species |
| Cedar Creek | 13021 | | | B | | | A | | ● | | |
| Dry Creek | 13021.1 | | | B | | | A | | ● | | |
| Plum Creek - Confluence of North and South Branch Plum Creeks to Evergreen Creek | 13100 | | ● | A | | | A | | ● | 13,d e,r | Sensitive Species |
| North Branch Plum Creek | 13110 | | | B | | | A | | ● | | |
| Brush Creek | 13111 | | | B | | | A | | ● | | |
| South Branch Plum Creek | 13120 | | | B | | | A | | ● | | |
| Niobrara River - Snake River to Plum Creek | 20000 | A* | ● | | A | | A | | ● | i,n | |
| Cub Creek | 20100 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 28-33N-22W) | 20110 | | | B | | | A | | ● | | |
| Chimney Creek | 20200 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 32-33N-22W) | 20210 | | | B | | | A | | ● | | |
| Turkey Creek | 20300 | | | B | | | A | | ● | | |
| Middle Creek | 20400 | | | | B | | A | | ● | | |
| East Middle Creek | 20410 | | | | B | | A | | ● | | |
| Fairfield Creek | 20500 | | | A | | | A | | ● | 3,13 d | Threatened Species Sensitive Species |
| South Fork Fairfield Creek | 20510 | | | B | | | A | | ● | 3,5, d | Threatened Species |
| McGill Creek | 20600 | | | | B | | A | | ● | | |
| Muleshoe Creek | 20700 | | | B | | | A | | ● | | |
| Coleman Creek | 20800 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 17-33N-24W) | 20900 | | | B | | | A | | ● | | |
| Clapp Creek | 21000 | | | B | | | A | | ● | | |

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

**RIVER BASIN:** Niobrara

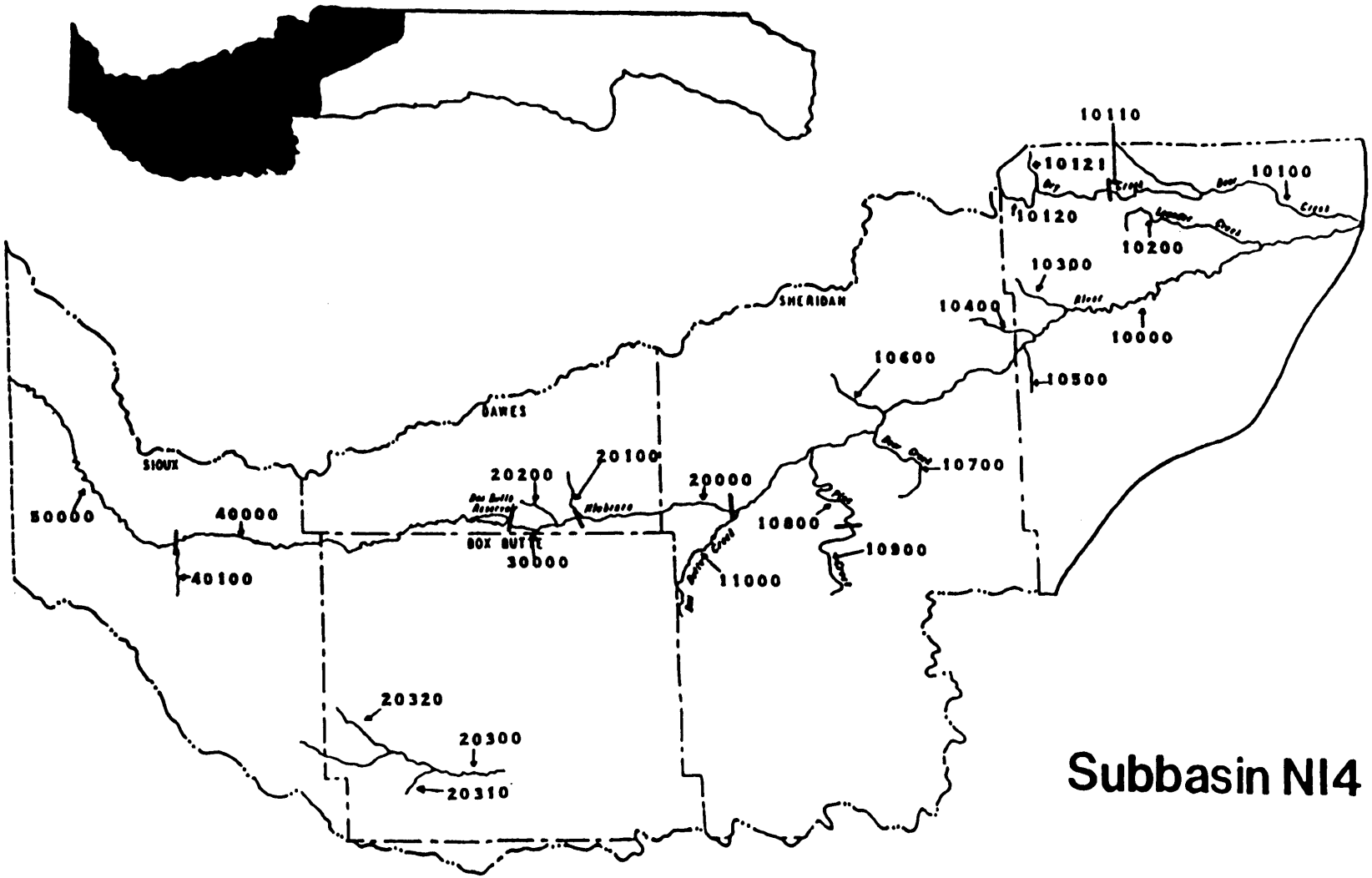
**Subbasin:** NI3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Unnamed Creek (Sec 28-34N-25W) | 21100 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 30-34N-25W) | 21200 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 22-34N-26W) | 21300 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 22-34N-26W) | 21400 | | | B | | | A | | ● | | |
| Crooked Creek | 21500 | | | B | | | A | | ● | | |
| Little Beaver Creek | 21600 | | | | B | | A | | ● | | |
| Big Beaver Creek | 21700 | | | B | | | A | | ● | | |
| Coon Creek | 21800 | | | B | | | A | | ● | | |
| Minnechaduza Creek - Dry Creek to Niobrara River | 21900 | | ● | B | | | A | | ● | 3,5, 14 | Threatened Species Sensitive Species |
| Spring Creek | 21910 | | | B | | | A | | ● | | |
| Fishberry Creek | 21920 | | | B | | | A | | ● | 8 | Sensitive Species |
| Dry Creek | 21930 | | | B | | | A | | ● | 3,13 14, 15, n,v | Threatened Species Sensitive Species |
| Minnechaduza Creek - Headwaters to Dry Creek | 22000 | | | B | | | A | | ● | 3,4, 5,6, 14,f, i,m, n,r | Threatened Species Sensitive Species |
| Bull Creek | 22010 | | | B | | | A | | ● | 3,4, 12, 14, 15,r | Threatened Species Sensitive Species |
| Schlagel Creek | 22100 | | | A | | | A | | ● | d,v | |
| Gordon Creek - Betsy Creek to Niobrara River | 22200 | | | B | | | A | | ● | 4,9, 12,f | Threatened Species Sensitive Species |
| Betsy Creek | 22210 | | | B | | | A | | ● | 3,4 | Threatened Species |
| Gordon Creek - Headwaters to Betsy Creek | 22300 | | | B | | | A | | ● | 3,4, 5,6, 9,12 f | Threatened Species Sensitive Species |
| Arkansas Flats | 22310 | | | B | | | A | | ● | | |
| Sandy Richards Creek | 22320 | | | B | | | A | | ● | 3,4, 5,8 | Threatened Species Sensitive Species |

**RIVER BASIN:** Niobrara

**Subbasin:** NI3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Snake River - Merritt Reservoir Dam (Sec 30-31N-30W) to Niobrara River | 22400 | | ● | A | | | A | | ● | 4,14 15, 16,d e,l | Threatened Species Sensitive Species |
| Snake River - Clifford Creek to Merritt Reservoir Dam (Sec 30-31N-30W) | 22500 | | ● | B | | | A | | ● | 3,4, 5,15 n | Threatened Species Sensitive Species |
| Boardman Creek | 22510 | | | A | | | A | | ● | 5,13 14, 15, d,e, m,n, r | Threatened Species Sensitive Species |
| Unnamed Creek (Sec 5-29N-34W) | 22511 | | | | B | | A | | ● | | |
| Clifford Creek | 22520 | | | B | | | A | | ● | | |
| Willow Creek | 22521 | | | B | | | A | | ● | 5 | Threatened Species |
| Snake River - Headwaters to Clifford Creek | 22600 | | | B | | | A | | ● | 3,4, 5,8 | Threatened Species Sensitive Species |
| Niobrara River - Bear Creek to Snake River | 30000 | | ● | | A | | A | | ● | i,n | |
| Unnamed Creek (Sec 35-33N-31W) | 30100 | | | B | | | A | | ● | | |
| McCann Canyon | 30200 | | | B | | | A | | ● | | |
| Medicine Creek | 30300 | | | B | | | A | | ● | | |




Subbasin NI4

**RIVER BASIN:** Niobrara

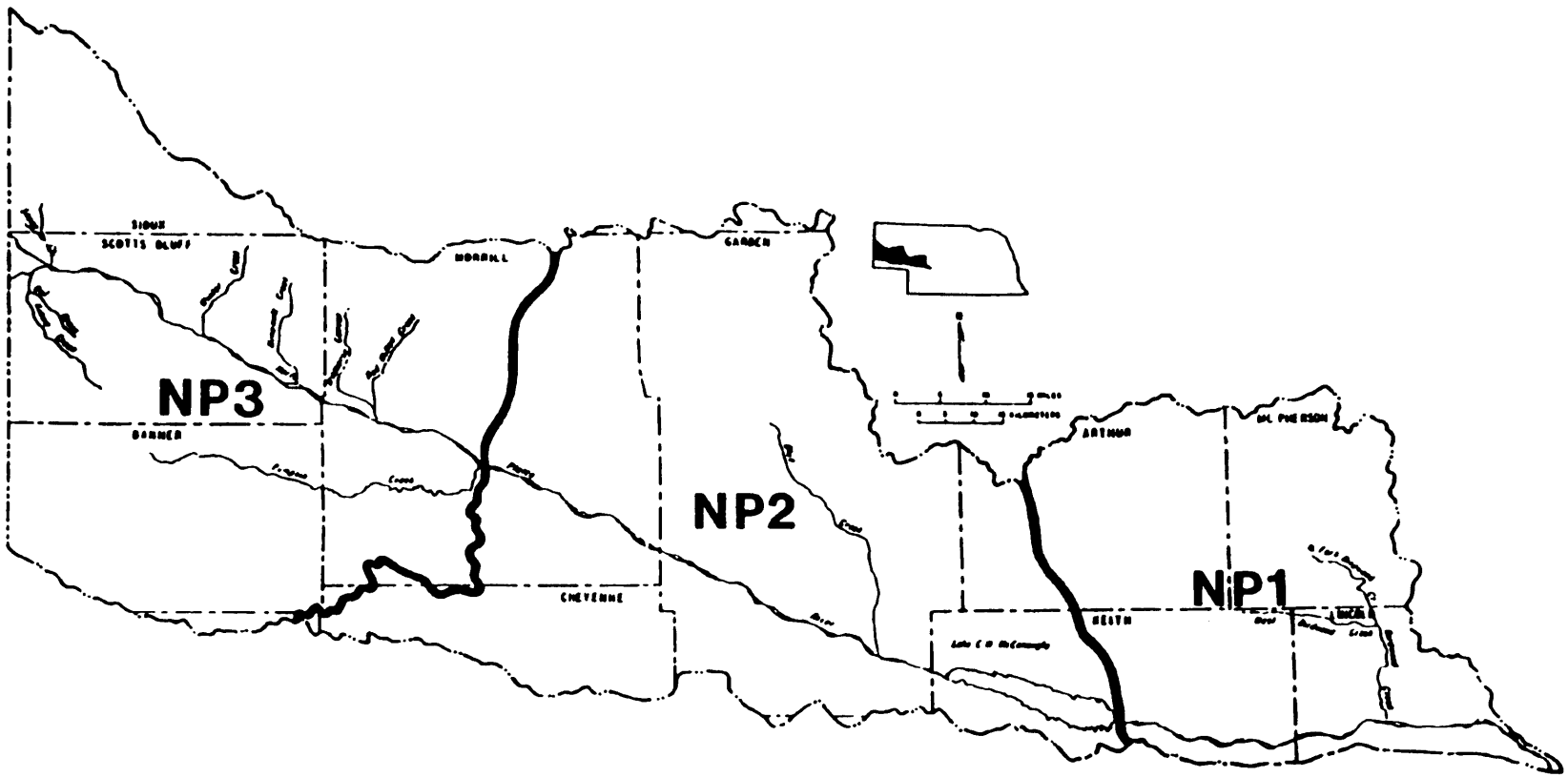
**Subbasin:** NI4

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Niobrara River - Box Butte Creek to Bear Creek | 10000 | | ● | | A | | A | | ● | i | |
| Bear Creek | 10100 | | | | A | | A | | ● | 13, 14, f,r | Sensitive Species |
| Dry Creek - Sec 13-34N-39W to Bear Creek | 10110 | | | B | | | A | | ● | 13, 14, m,n, r,v | Sensitive Species |
| Dry Creek (Horseshoe Drainage Ditch) - Headwaters to Sec 13-34N-39W | 10120 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 14-34N-40W) | 10121 | | | B | | | A | | ● | | |
| Leander Creek | 10200 | | | B | | | A | | ● | 4,5, 10 | Threatened Species Sensitive Species |
| Hay Creek | 10300 | | | B | | | A | | ● | | |
| Antelope Creek | 10400 | | | B | | | A | | ● | 8 | Sensitive Species |
| Pole Creek | 10500 | | | B | | | A | | ● | | |
| Rush Creek | 10600 | | | | B | | A | | ● | | |
| Deer Creek | 10700 | | | B | | | A | | ● | | |
| Pine Creek - Sec 11-28N-44W to Niobrara River | 10800 | | | B | | | A | | ● | 8,d | Sensitive Species |
| Pine Creek - Headwaters to Sec 11-28N-44W | 10900 | | | B | | | A | | ● | 5,8, n | Threatened Species Sensitive Species |
| Box Butte Creek | 11000 | | | | B | | A | | ● | | |
| Niobrara River - Mirage Flats Canal Diversion (Sec 26-29N-48W) to Box Butte Creek | 20000 | | | B | | | A | | ● | i | |
| Pepper Creek | 20100 | | | B | | | A | | ● | | |
| Cottonwood Creek | 20200 | | | B | | | A | | ● | | |
| Snake Creek - Sec 10-25N-53W to Sec 7-24N-50W | 20300 | | | | B | | A | | ● | | |
| South Branch Snake 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 | | ● | | |
| Niobrara River - Box Butte Reservoir Dam (Sec 28-29N-49W) to Mirage Flats Canal Diversion (Sec 26-29N-48W) | 30000 | | ● | B | | | A | | ● | d,e | |

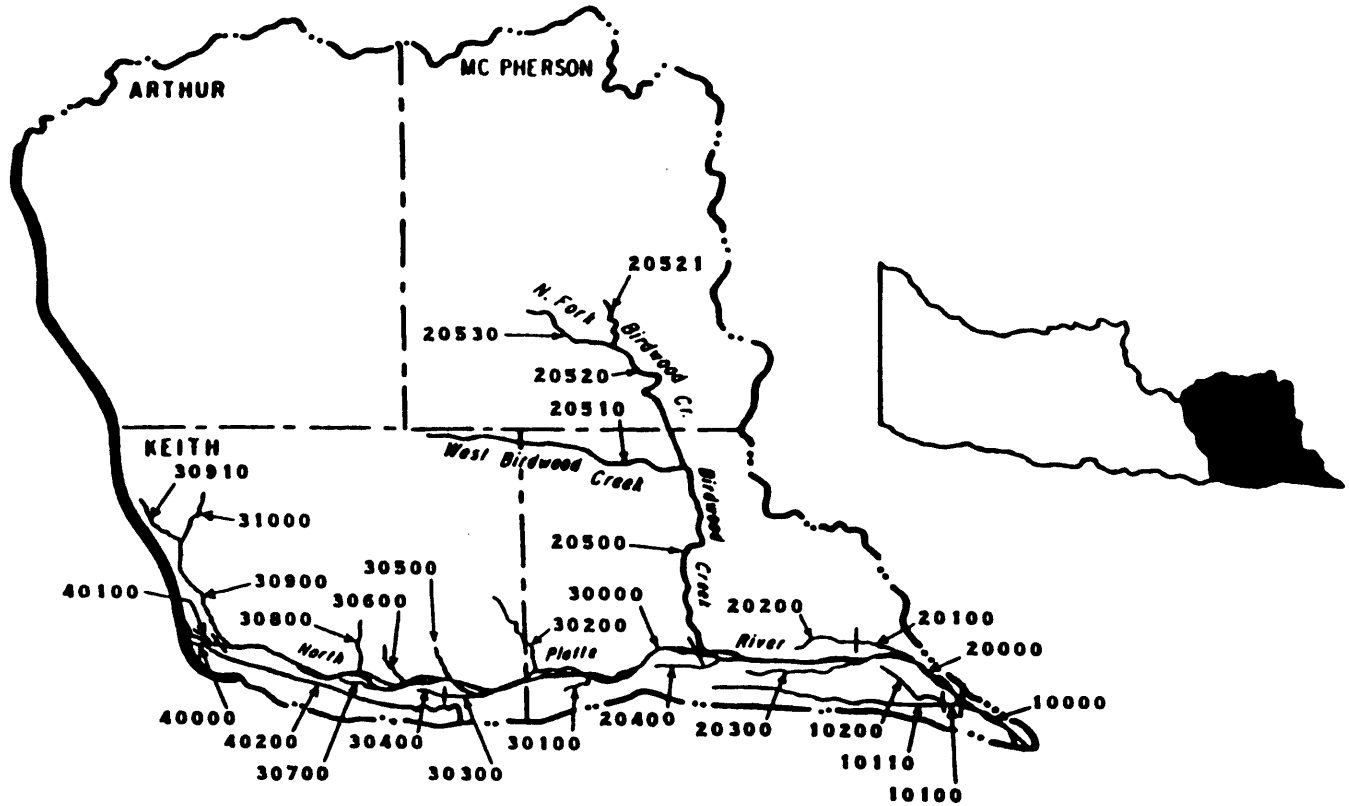
**RIVER BASIN:** Niobrara

**Subbasin:** NI4

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Niobrara River - Whistle Creek to Box Butte Reservoir Dam (Sec 28-29N-49W) | 40000 | | | B | | | A | | ● | 5 | Threatened Species |
| | | | | | | | | | | | |
| Whistle Creek | 40100 | | | B | | | A | | ● | | |
| | | | | | | | | | | | |
| Niobrara River - Nebraska-Wyoming border (Sec 18-31N-57W) to Whistle Creek | 50000 | | | B | | | A | | ● | 5 | Threatened Species |




NORTH PLATTE RIVER BASIN (and Subbasins)




# Subbasin NP1

RIVER BASIN: North Platte

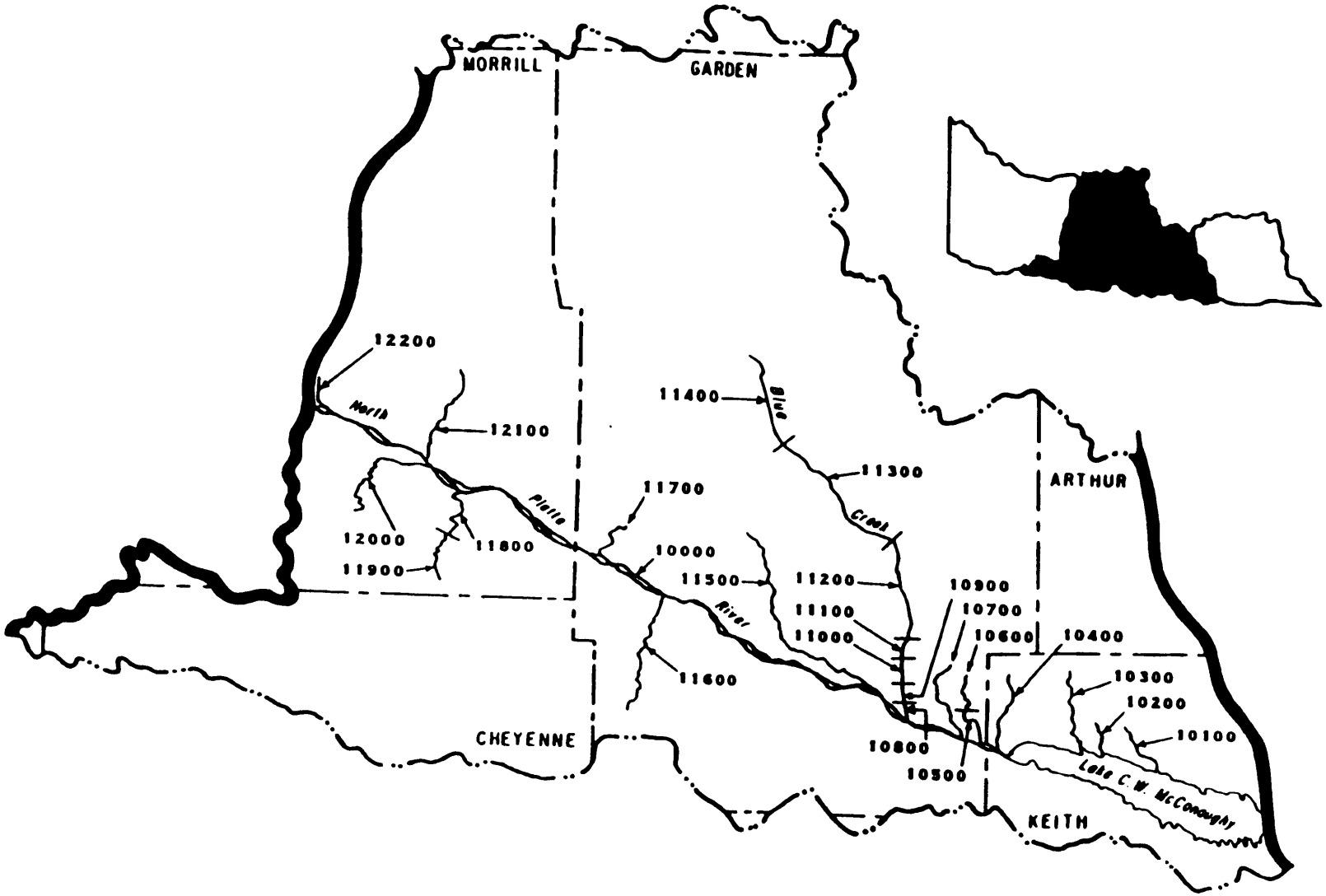
Subbasin: NP1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| North Platte River - Scout Creek to Platte River | 10000 | | ● | | A | | A | | ● | i | |
| Scout Creek - Ditch No. 2 (Sec 29-14N-30W) to North Platte River | 10100 | | | | A | | A | | ● | | |
| Ditch No. 2 (Sec 29-14N-30W) | 10110 | | | | A | | A | | ● | | |
| Scout Creek - Headwaters to Ditch No. 2 (Sec 29-14N-30W) | 10200 | | | | B | | A | | ● | | |
| North Platte River - Birdwood Creek to Scout Creek | 20000 | | ● | B | | | A | | ● | i | |
| Unnamed Creek (Sec 11-14N-31W) - Sec 5-14N-31W to North Platte River | 20100 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 11-14N-31W) - Headwaters to Sec 5-14N-31W | 20200 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 9-14N-31W) | 20300 | | | | B | | A | | ● | | |
| Ditch No. 3 (Sec 12-14N-33W) | 20400 | | | | B | | A | | ● | | |
| Birdwood Creek - Confluence of West and North Fork Birdwood Creeks to North Platte River | 20500 | | ● | B | | | A | | ● | | |
| West Birdwood Creek | 20510 | | | B | | | A | | ● | | |
| North Fork Birdwood Creek - Squaw Creek to Birdwood Creek | 20520 | | | B | | | A | | ● | | |
| Squaw Creek | 20521 | | | B | | | A | | ● | | |
| North Fork Birdwood Creek - Headwaters to Squaw Creek | 20530 | | | B | | | A | | ● | | |
| North Platte River - Whitetail Creek to Birdwood Creek | 30000 | | ● | B | | | A | | ● | d,e,i | |
| Bull Ditch (Sec 15-14N-34W) | 30100 | | | | B | | A | | ● | | |
| East Clear Creek | 30200 | | | | B | | A | | ● | | |
| Unnamed Drain (Sec 22-14N-35W) - Sheridan Wilson Canal (Sec 20-14N-35W) to North Platte River | 30300 | | | B | | | A | | ● | | |
| Unnamed Drain (Sec 22-14N-35W) - Headwaters to Sheridan Wilson Canal (Sec. 20-14N-35W) | 30400 | | | B | | | A | | ● | | |
| Cedar Creek | 30500 | | | B | | | A | | ● | | |
| Lake Creek | 30600 | | | B | | | A | | ● | | |
| Unnamed Drain (Sec 22-14N-36W) | 30700 | | | B | | | A | | ● | | |

**RIVER BASIN:** North Platte

**Subbasin:** NP1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sand Creek | 30800 | | | B | | | A | | ● | 3 | Threatened species |
| | | | | | | | | | | | |
| Whitetail Creek - Unnamed Creek (Sec 2-15N-38W) to North Platte River | 30900 | | | B | | | A | | ● | d | |
| | | | | | | | | | | | |
| Unnamed Creek (Sec 2-15N-38W) | 30910 | | | B | | | A | | ● | | |
| | | | | | | | | | | | |
| Whitetail Creek - Headwaters to Unnamed Creek (Sec 2-15N-38W) | 31000 | | | B | | | A | | ● | | |
| | | | | | | | | | | | |
| North Platte River - Kingsley Dam to Whitetail Creek | 40000 | B | ● | B | | | A | | ● | d,e,i | |
| | | | | | | | | | | | |
| Unnamed Drain (Sec 1-14N-38W) | 40100 | | | B | | | A | | ● | | |
| | | | | | | | | | | | |
| 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 | | ● | e,i, w | |




# Subbasin NP2

**RIVER BASIN:** North Platte

**Subbasin:** NP2

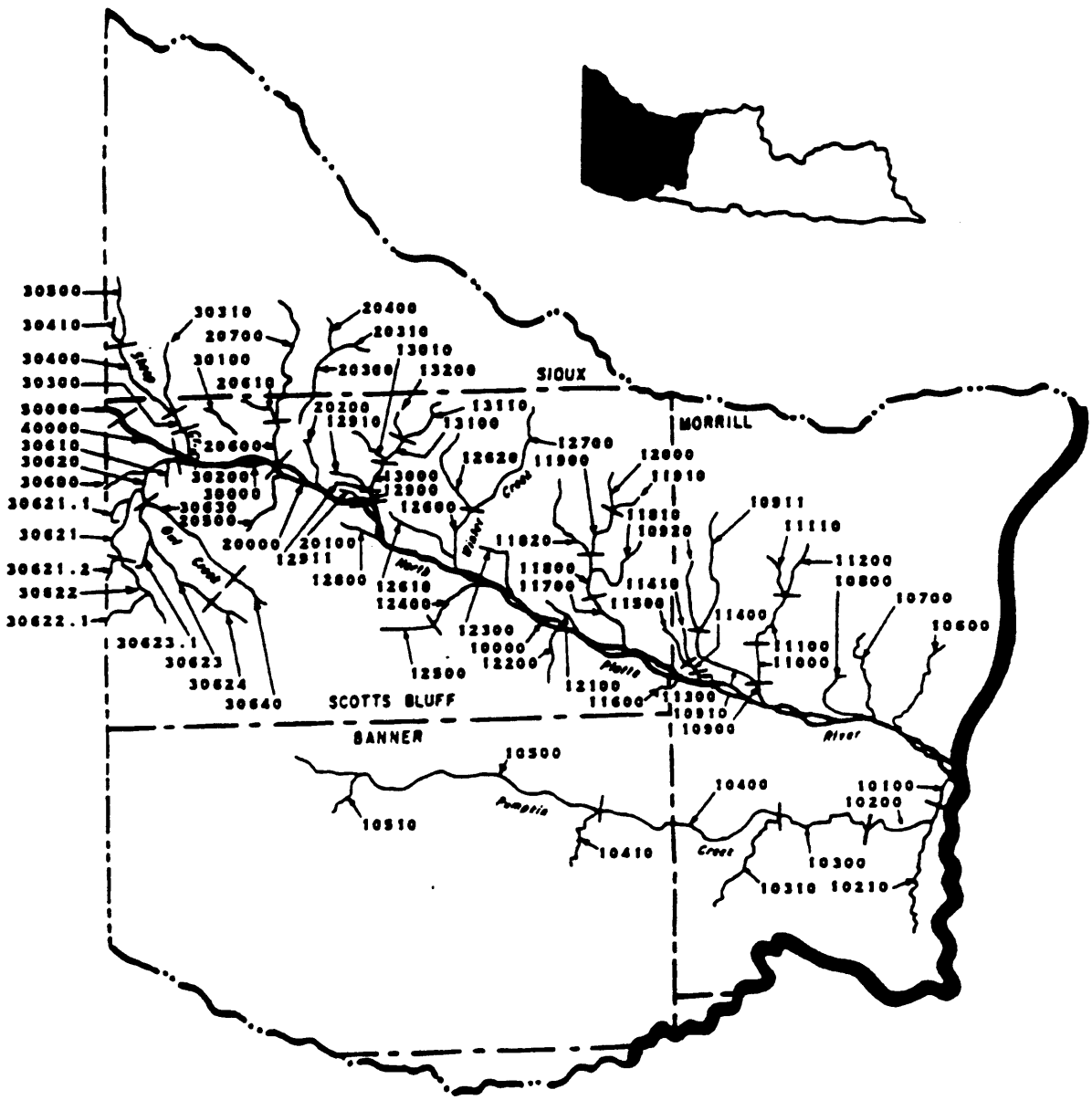
| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| North Platte River - Pumpkin Creek to Kingsley Dam | 10000 | | ● | B* | A | | A | | ● | e*,i | Salmonid migration |
| Lonergan Creek - Headwaters to Lake C.W. McConaughy | 10100 | | | B | | | A | | ● | ● | |
| Sand Creek - Headwaters to Lake C.W. McConaughy | 10200 | | | B | | | A | | ● | | |
| Otter Creek - Headwaters to Lake C.W. McConaughy | 10300 | B | | A | | | A | | ● | d,e | |
| Clear Creek | 10400 | | | B | | | A | | ● | e | |
| Plum Creek - Sec 26-16N-42W to North Platte River | 10500 | | | | B | | A | | ● | | |
| Plum Creek - Headwaters to Sec 26-16N-42W | 10600 | | | | B | | A | | ● | | |
| Ash Creek | 10700 | | | | B | | A | | ● | | |
| Blue Creek - Graf Canal (Sec 19-16N-42W) to North Platte River | 10800 | | | B | | | A | | ● | d | |
| Blue Creek - Union Canal (Sec 18-16N-42W) to Graf Canal (Sec 19-16N-42W) | 10900 | | | B | | | A | | ● | d | |
| 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 | | ● | | |
| Rush Creek | 11600 | | | B | | | A | | ● | | |
| Coldwater Creek | 11700 | | | B | | | A | | ● | | |
| Cedar Creek - Belmont Canal (Sec 23-18N-47W) to North Platte River | 11800 | | | B | | | A | | ● | c,d | |
| Cedar Creek - Headwaters to Belmont Canal (Sec 23-18N-47W) | 11900 | | | B | | | A | | ● | c,d | |
| Deep Holes Creek | 12000 | | | B | | | A | | ● | | |

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

**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 | | | |
| Lower Dugout Creek | 12100 | | | B | | | A | | ● | | |
| | | | | | | | | | | | |
| Silvernail Drain | 12200 | | | B | | | A | | ● | d | |




# Subbasin NP3

**RIVER BASIN:** North Platte

**Subbasin:** NP3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| North Platte River - Tub Springs Drain to Pumpkin Creek | 10000 | | ● | B | | | A | | ● | d,e,i | |
| Pumpkin Creek - Meredith Ammer Canal (Sec 13-19N-50W) to North Platte River | 10100 | | | B | | | A | | ● | | |
| Pumpkin Creek - Courthouse Rock Canal (Sec 30-19N-50W) to Meredith Ammer Canal (Sec 13-19N-50W) | 10200 | | | B | | | A | | ● | 11 | 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 | | ● | | |
| Indian Creek | 10700 | | | | B | | A | | ● | | |
| DeGraw Drain | 10800 | | | | B | | A | | ● | | |
| Red Willow Creek - Wildhorse Drain to North Platte River | 10900 | | | B | | | A | | ● | d,e,i | |
| Wildhorse Drain - Wildhorse Canyon to Red Willow Creek | 10910 | | | B | | | A | | ● | d,e | |
| 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 | | ● | 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 | |
| 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 | | ● | d,e | |

**RIVER BASIN:** North Platte

**Subbasin:** NP3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bayard Drain - Stuckenhole Drain (Sec 28-21N-52W) to Alliance Canal (Sec 4-20N-52W) | 11400 | | | B | | | A | | ● | d,e | |
| Stuckenhole Drain (Sec 28-21N-52W) | 11410 | | | B | | | A | | ● | ● | |
| Bayard Drain - Headwaters to Stuckenhole Drain (Sec 28-21N-52W) | 11500 | | | B | | | A | | ● | | |
| Cleveland Drain (Sec 6-20N-52W) | 11600 | | | B | | | A | | ● | | |
| Ninemile Creek - Minatare Drain (Sec 10-21N-53W) to North Platte River | 11700 | | | B | | | A | | ● | d,e | |
| 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 | | ● | ● | |
| 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 | | ● | | |
| Melbeta Drain (Sec 13-21N-54W) | 12200 | | | | B | | A | | ● | | |
| Scottsbluff Drain No. 2 (Sec 4-21N-54W) | 12300 | | | | B | | A | | ● | | |
| Gering Drain - Sec 24-21N-55W to North Platte River | 12400 | | | | A | | A | | ● | | |
| 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 | | ● | d,e | |
| Scottsbluff Drain No. 1 (Sec 30-22N-54W) | 12610 | | | | B | | A | | ● | | |
| 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 | | ● | | |
| Tub Springs Drain - Unnamed Creek (Sec 8-22N-55W) to North Platte River | 12900 | | | B | | | A | | ● | d,e | |
| Unnamed Creek (Sec 8-22N-55W) | 12910 | | | B | | | A | | ● | | |

RIVER BASIN: North Platte

Subbasin: NP3

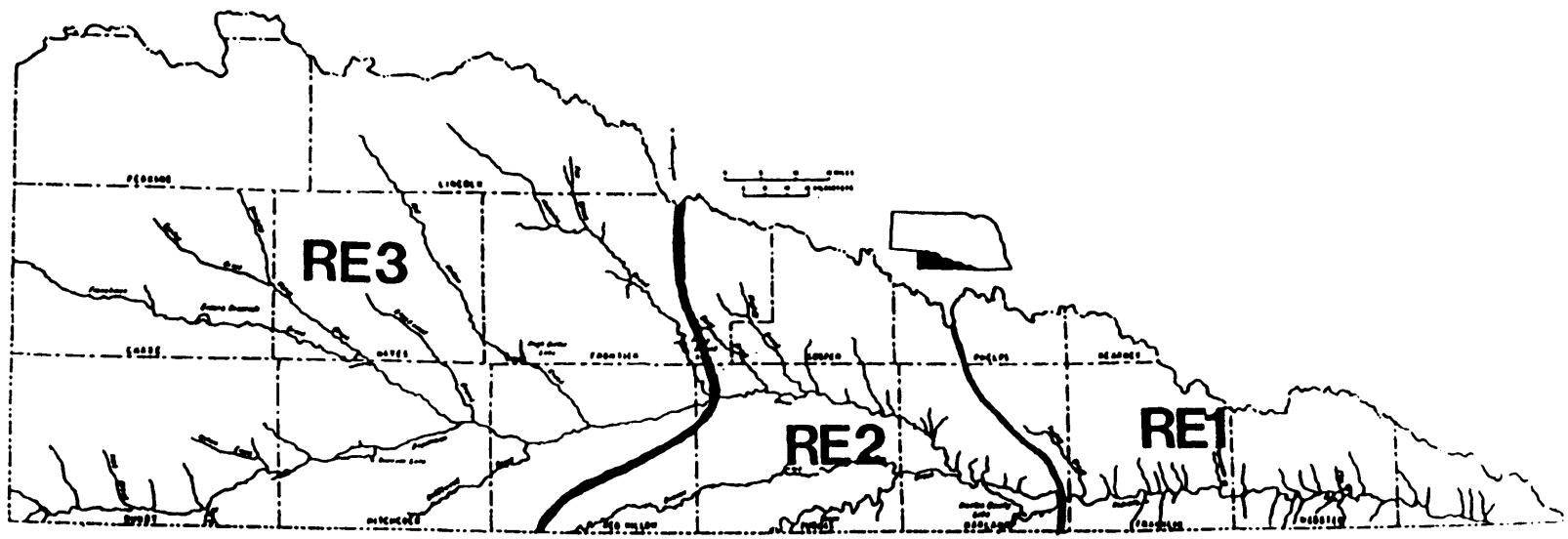
| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Unnamed Creek (Sec 8-22N-55W) | 12911 | | | B | | | A | | ● | | |
| Tub Springs Drain - Sunflower Drain (Sec 33-23N-55W) to Unnamed Creek (Sec 8-23N-55W) | 13000 | | | A | | | A | | ● | d,e | |
| 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 | | ● | d,e,i | |
| Unnamed Creek (Sec 8-22N-55W) | 20100 | | | B | | | A | | ● | | |
| Mitchell Drain (Sec 35-23N-56W) | 20200 | | | B | | | A | | ● | d,e | |
| 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 | | ● | | |
| Dry Spottedtail Creek - Unnamed Drain (Sec 9-23N-56W) to North Platte River | 20600 | | | B | | | A | | ● | d,e | |
| 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,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 | | ● | d | |
| Sheep Creek - Dry Sheep Creek to Tri-State Canal (Sec 17-23N-57W) | 30300 | | | B | | | A | | ● | d | |
| Dry Sheep Creek | 30310 | | | B | | | A | | ● | 11,d | Sensitive species |

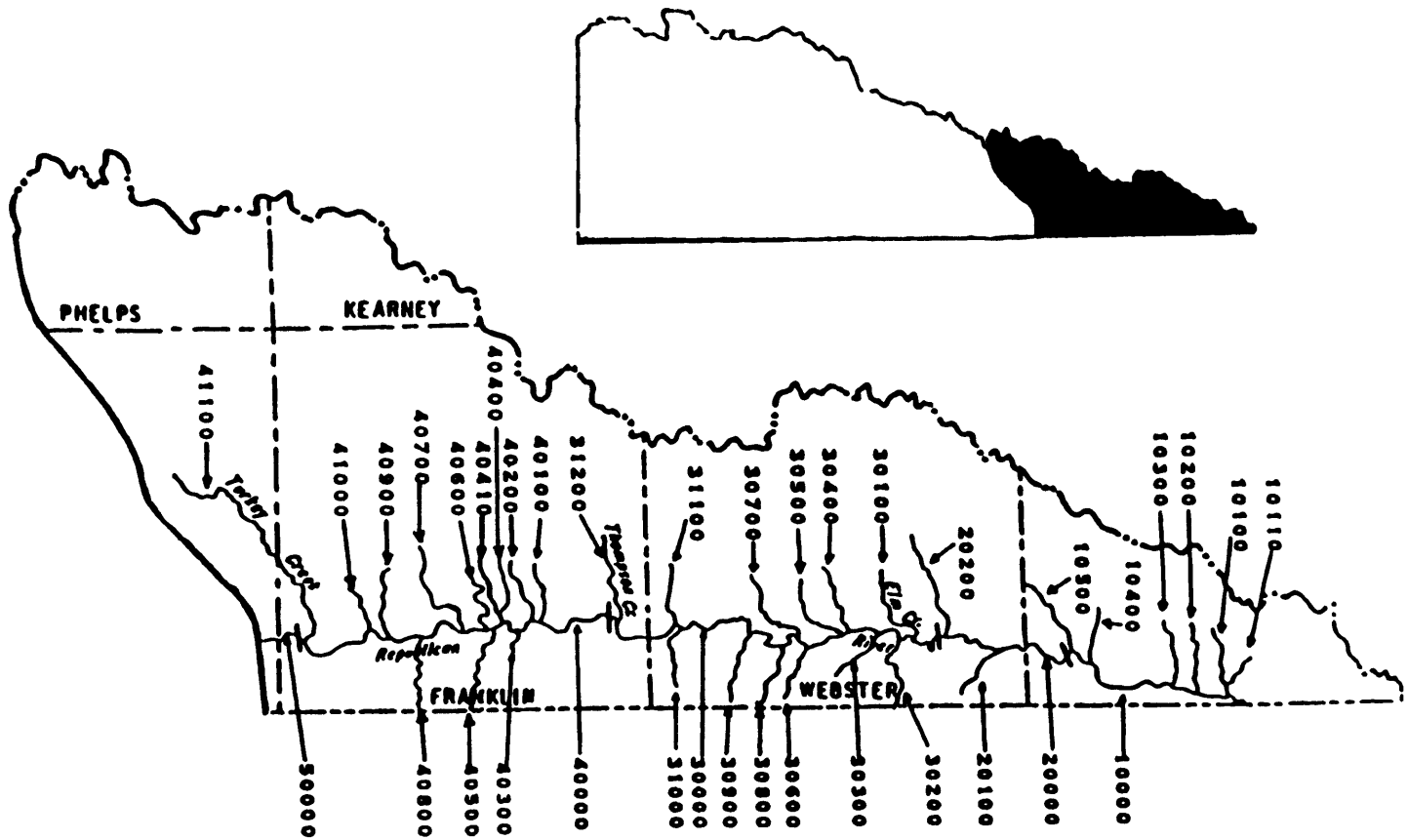
**RIVER BASIN:** North Platte

**Subbasin:** NP3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | | ● | | |
| Unnamed Drain (Sec 30-23N-57W) | 30610 | | | | B | | A | | ● | | |
| 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 | | ● | | |
| 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,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,d e,i | Sensitive Species |

# REPUBLICAN RIVER BASIN (and Subbasins)






# Subbasin RE1

**RIVER BASIN:** Republican

**Subbasin:** RE1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Republican River - Beaver Creek to Nebraska-Kansas border (Sec 32-1N-6W) | 10000 | | ● | | A* | | A | | ● | 15,i, j,w | Sensitive Species |
| Blakely Creek | 10100 | | | | B | | A | | ● | | |
| Oak Creek | 10110 | | | | B | | A | | ● | | |
| Lost Creek | 10200 | | | | B | | A | | ● | | |
| Unnamed Creek (Sec 28-1N-7W) | 10300 | | | | B | | A | | ● | | |
| Cottonwood Creek | 10400 | | | | A | | A | | ● | 11 | Sensitive Species |
| Beaver Creek | 10500 | | | | B | | A | | ● | | |
| Republican River - Superior-Courtland Diversion Dam (Sec 7-1N-9W) to Beaver Creek | 20000 | | ● | | A* | | A | | ● | 15,i, j,l,w | Sensitive Species |
| Rankin Creek | 20100 | | | | B | | A | | ● | | |
| Willow Creek | 20200 | | | | B | | A | | ● | | |
| Courtland Canal - Superior-Courtland Diversion Dam (Sec 7-1N-9W) to Nebraska-Kansas border (Sec 32-1N-7W) | 20300 | | | | A** | | A** | | ●** | 15,i, j,l,w | Sensitive Species |
| Republican River - Thompson Creek to Superior-Courtland Diversion Dam (Sec 7-1N-9W) | 30000 | | ● | | A* | | A | | ● | 15,i, j,l,w | Sensitive Species |
| Elm Creek | 30100 | | | B | | | A | | ● | 11,e | Sensitive Species |
| Lost Creek - Nebraska-Kansas border (Sec 35-1N-10W) to Republican River | 30200 | | | | B | | A | | ● | | |
| Hicks Creek | 30300 | | | | B | | A | | ● | | |
| Dry Creek | 30400 | | | | B | | A | | ● | | |
| Crooked Creek | 30500 | | | B | | | A | | ● | 11 | Sensitive Species |
| Cedar Creek | 30600 | | | | B | | A | | ● | | |
| Indian Creek | 30700 | | | | A | | A | | ● | 11 | Sensitive Species |
| East Penny Creek - Nebraska-Kansas border (Sec 34-1N-11W) to Republican River | 30800 | | | | B | | A | | ● | | |
| Lousa Creek | 30900 | | | | B | | A | | ● | | |
| Walnut Creek | 31000 | | | | A | | A | | ● | 11 | Sensitive Species |
| Farmers Creek | 31100 | | | | B | | A | | ● | | |

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

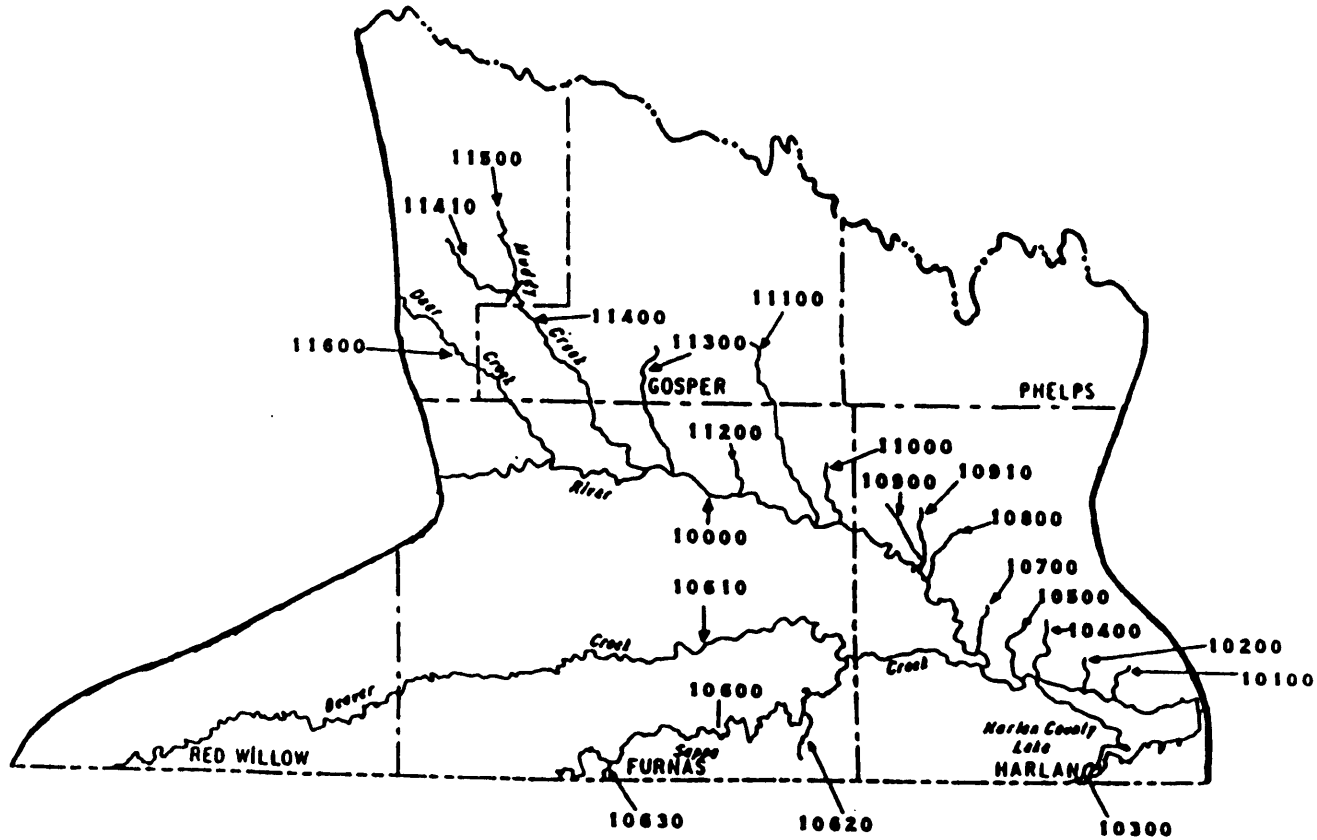
**Seasonal designation - applies only when water is diverted into canal.

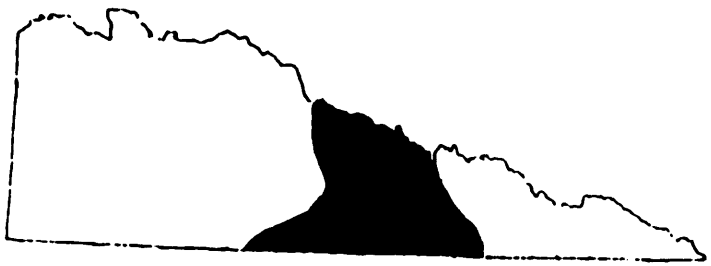
**RIVER BASIN:** Republican

**Subbasin:** RE1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Thompson Creek | 31200 | | | B | | | A | | ● | 11,j | Sensitive Species |
| Republican River - Turkey Creek to Thompson Creek | 40000 | | ● | | A* | | A | | ● | i,j,l,w | |
| Wortham Creek | 40100 | | | | B | | A | | ● | | |
| Lovely Creek | 40200 | | | | B | | A | | ● | | |
| Reams Creek | 40300 | | | | B | | A | | ● | | |
| Coates Creek | 40400 | | | B | | | A | | ● | | |
| Wasp Creek | 40410 | | | | B | | A | | ● | | |
| Calumet Creek | 40500 | | | | A | | A | | ● | 11 | Sensitive Species |
| Walnut Run | 40600 | | | | B | | A | | ● | | |
| Center Creek | 40700 | | | B | | | A | | ● | | |
| Lost Creek | 40800 | | | | B | | A | | ● | | |
| Little Cottonwood Creek | 40900 | | | B | | | A | | ● | | |
| Cottonwood Creek | 41000 | | | B | | | A | | ● | 11 | Sensitive Species |
| Turkey Creek | 41100 | | | B | | | A | | ● | | |
| Republican River - Harlan County Dam to Turkey Creek | 50000 | | ● | | A* | | A | | ● | i,j,l,w | |

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



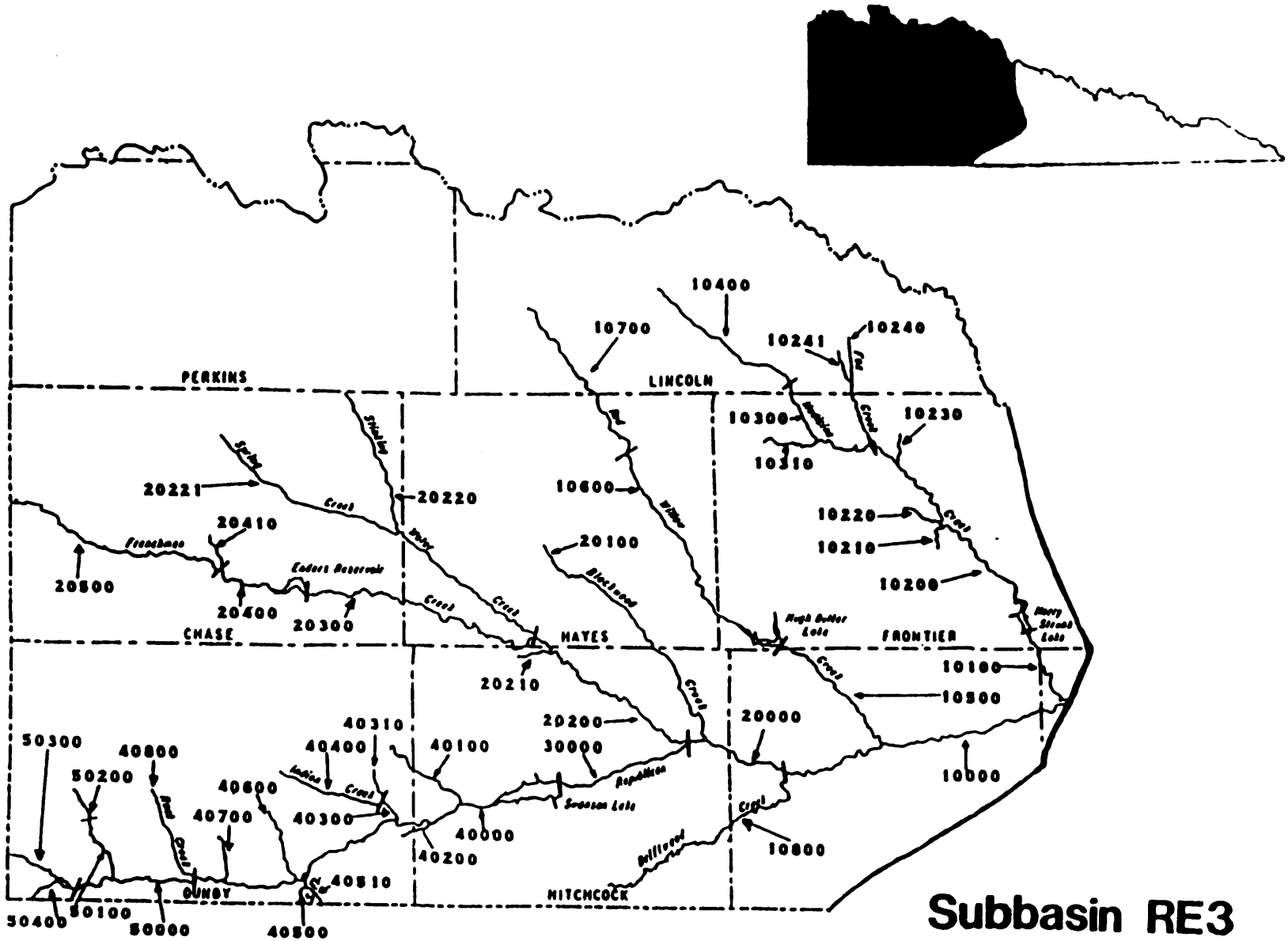
# Subbasin RE2

**RIVER BASIN:** Republican

**Subbasin:** RE2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Republican River - Medicine Creek to Harlan County Dam | 10000 | | ● | | A* | | A | | ● | i,j,l | |
| Methodist Creek | 10100 | | | | B | | A | | ● | | |
| Cook Creek | 10200 | | | | B | | A | | ● | | |
| Paine Dog Creek - Nebraska-Kansas border (Sec 31-1N-19W) to Harlan County Lake | 10300 | | | | B | | A | | ● | | |
| Rope Creek | 10400 | | | | B | | A | | ● | | |
| Flag Creek | 10500 | | | | B | | A | | ● | | |
| Sappa Creek - Nebraska-Kansas border (Sec 35-1N-24W) to Republican River | 10600 | | | | B | | A | | ● | | |
| 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 | | ● | | |
| Foster Creek | 10800 | | | | B | | A | | ● | | |
| Spring Creek | 10900 | | | | B | | A | | ● | | |
| Deep Creek | 10910 | | | | B | | A | | ● | | |
| Swartz Creek | 11000 | | | | B | | A | | ● | | |
| Turkey Creek | 11100 | | | | B | | A | | ● | | |
| Dry Creek | 11200 | | | | B | | A | | ● | | |
| Elk Creek | 11300 | | | | A | | A | | ● | i | |
| Muddy Creek - West Muddy Creek to Republican River | 11400 | | | | A | | A | | ● | i | |
| West Muddy Creek | 11410 | | | | A | | A | | ● | i | |
| Muddy Creek - Headwaters to West Muddy Creek | 11500 | | | | B | | A | | ● | | |
| Deer Creek Canyon | 11600 | | | | B | | A | | ● | | |
| Medicine Creek (see subbasin RE3) | | | | | | | | | | | |

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




Subbasin RE3

**RIVER BASIN:** Republican

**Subbasin:** RE3

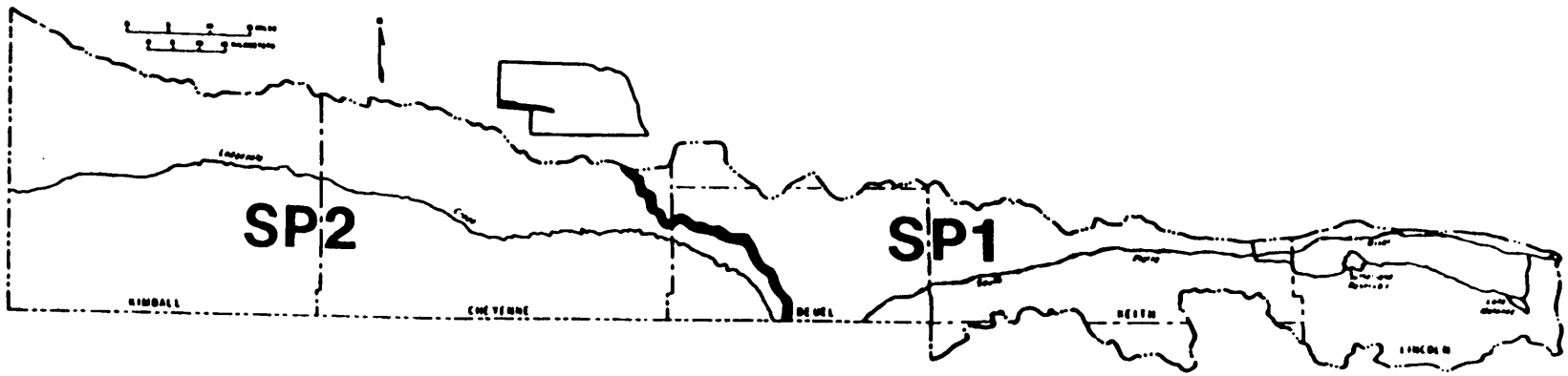
| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Republican River - Driftwood Creek to Medicine Creek | 10000 | | ● | | A* | | A | | ● | i,j,l | |
| Medicine Creek - Medicine Creek Dam to Republican River | 10100 | | ● | | B | | A | | ● | | |
| 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 | | ● | | |
| 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 SWA (Sec 11-7N-32W) | 10700 | | | | B | | A | | ● | | |
| Driftwood Creek | 10800 | | | | B | | A | | ● | | |
| Republican River - Frenchman Creek to Driftwood Creek | 20000 | | ● | | A* | | A | | ● | i | |
| Blackwood Creek | 20100 | | | | B | | A | | ● | | |
| Frenchman Creek - Stinking Water Creek to Republican River | 20200 | | | B | | | A | | ● | 11 | 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 |
| Frenchman Creek - Sand Draw to Enders Dam | 20400 | | | B | | | A | | ● | 11,e i | Sensitive Species |

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

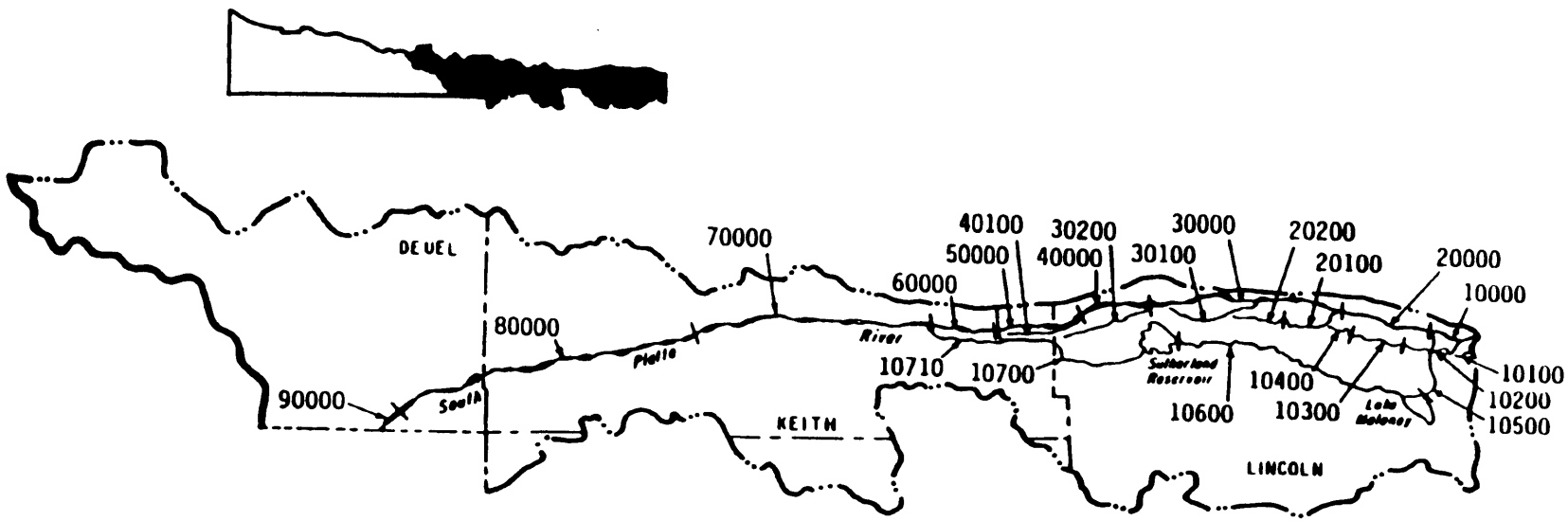
**RIVER BASIN:** Republican

**Subbasin:** RE3

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | | ● | | |
| Republican River - Rock Creek to Trenton Dam | 40000 | | ● | | A | | A | | ● | i | |
| Muddy Creek | 40100 | | | | B | | A | | ● | | |
| Burntwood Creek | 40200 | | | | B | | A | | ● | | |
| Indian Creek - Rock Canyon to Republican River | 40300 | | | B | | | A | | ● | | |
| 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 | | ● | | |
| Big Timber Creek Nebraska-Kansas border (Sec 31-2N-37W) to South Fork Republican River | 40510 | | | | B | | A | | ● | | |
| Spring Creek | 40600 | | | | B | | A | | ● | | |
| Horse Creek | 40700 | | | | B | | A | | ● | | |
| Rock Creek | 40800 | | | B | | | A | | ● | 11 | Sensitive Species |
| Republican River - Confluence of North Fork Republican River and Arikaree River to Rock Creek | 50000 | | | | A | | A | | ● | i | |
| Buffalo Creek - Sec 26-2N-41W to Republican River | 50100 | | | | A | | A | | ● | | |
| 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 | | ● | | |
| Arikaree River - Nebraska-Kansas border (Sec 36-1N-42W) to Republican River | 50400 | | | | B | | A | | ● | | |




**SOUTH PLATTE RIVER BASIN (and Subbasins)**




Subbasin SP1

**RIVER BASIN:** South Platte

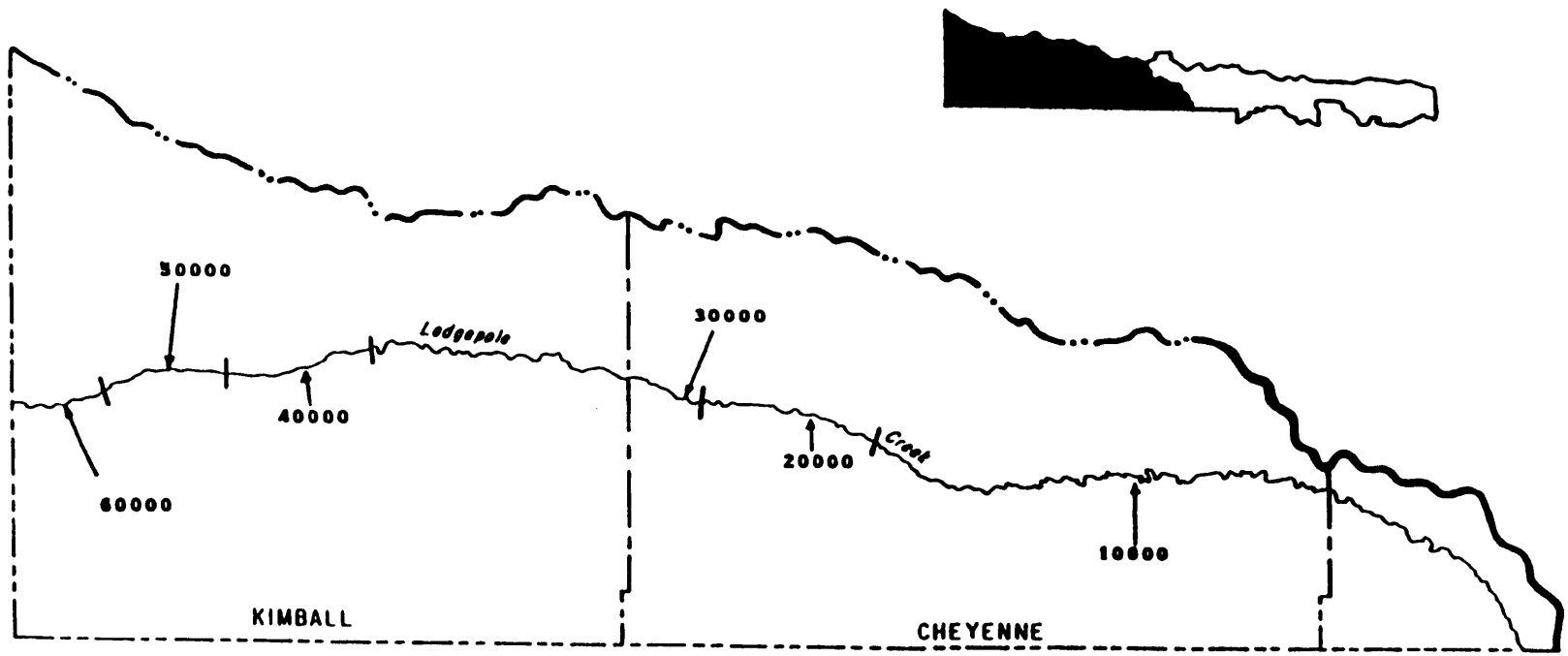
**Subbasin:** SP1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| South Platte River - Outlet Canal (Sec 10-13N-30W) to Platte River | 10000 | | ● | | A | | A | | ● | i,o, w | |
| Fremont Slough - Sec 13-13N-30W to Sec 18-13N-29W | 10100 | | | B | | | A | | ● | | |
| Fremont Slough (Sec 7-13N-29W) - Sec 13-13N-31W to South Platte River | 10200 | | | B | | | A | | ● | 8 | Sensitive Species |
| Fremont Slough (Sec 7-13N-29W) - Sec 9-13N-31W to Sec 13-13N-31W | 10300 | | | B | | | A | | ● | | |
| Fremont Slough (Sec 7-13N-29W) - Headwaters to Sec 9-13N-31W | 10400 | | | B | | | A | | ● | | |
| Outlet Canal (Sec 9-13N-30W) - Lake Maloney to South Platte River | 10500 | | | | A | | A | | ● | i,o, w | |
| 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 | | ● | e,i, w | |
| South Platte River Supply Canal - Korty Diversion Dam to Sutherland Canal | 10710 | | | | A | | A | | ● | | |
| South Platte River - Fremont Slough (Sec 32-14N-31W) to Outlet Canal (Sec 10-13N-30W) | 20000 | | | | A | | A | | ● | i | |
| Fremont Slough (Sec 32-14N-31W) - Sec 2-13N-32W to South Platte River | 20100 | | | B | | | A | | ● | | |
| Fremont Slough (Sec 32-14N-31W) - Headwaters to Sec 2-13N-32W | 20200 | | | B | | | A | | ● | | |
| South Platte River - Unnamed Creek (Sec 31-14N-33W) to Fremont Slough (Sec 32-14N-31W) | 30000 | | | | A | | A | | ● | i | |
| Fremont Slough (Sec 27-14N-32W) | 30100 | | | B | | | A | | ● | | |
| Unnamed Creek (Sec 31-14N-33W) | 30200 | | | B | | | A | | ● | | |
| South Platte River - Unnamed Creek (Sec 5-13N-34W) to Unnamed Creek (Sec 31-14N-33W) | 40000 | | | | A | | A | | ● | i | |
| Unnamed Creek (Sec 5-13N-34W) | 40100 | | | B | | | A | | ● | | |
| South Platte River - Sutherland Canal to Unnamed Creek (Sec 5-13N-34W) | 50000 | | | | A | | A | | ● | i | |
| South Platte River - Korty Diversion Dam to Sutherland Canal | 60000 | | | B | | | A | | ● | | |

**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 - Western Canal (Sec 16-13N-39W) to Korty Diversion Dam | 70000 | | | | A | | A | | ● | | |
| | | | | | | | | | | | |
| South Platte River - Western Canal (Sec 13-12N-43W) to Western Canal (Sec 16-13N-39W) | 80000 | | | | A | | A | | ● | | |
| | | | | | | | | | | | |
| South Platte River - Nebraska-Colorado border (Sec 22-12N-44W) to Western Canal (Sec 13-12N-43W) | 90000 | | | | A | | A | | ● | | |

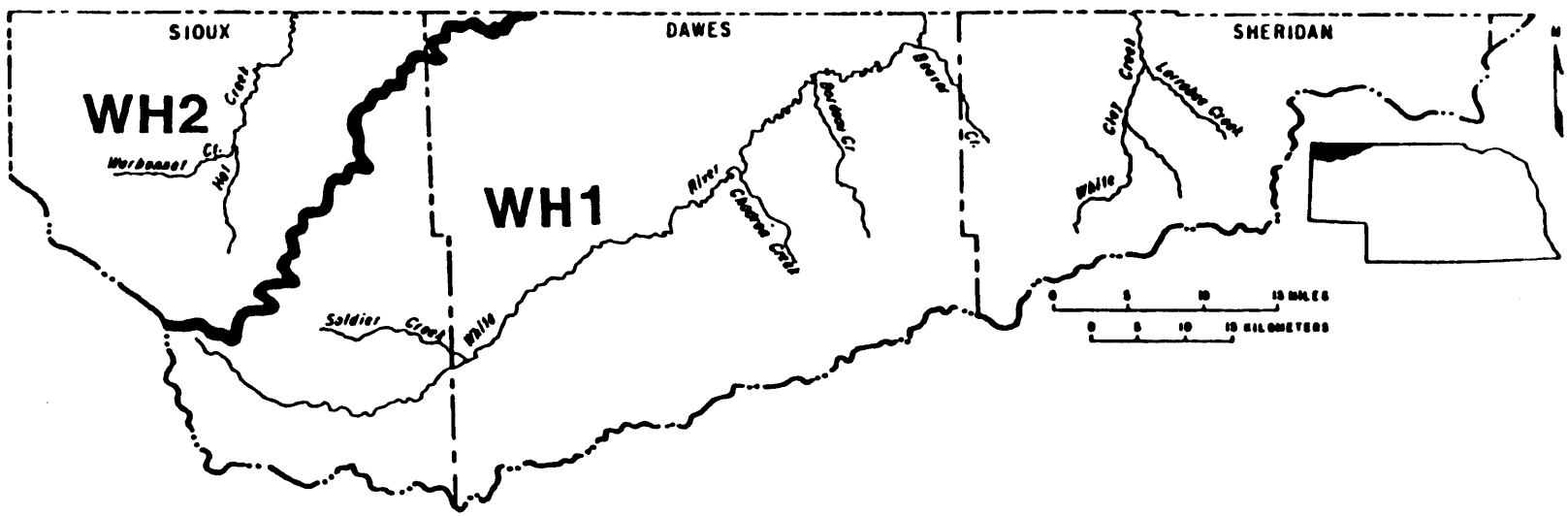



# Subbasin SP2

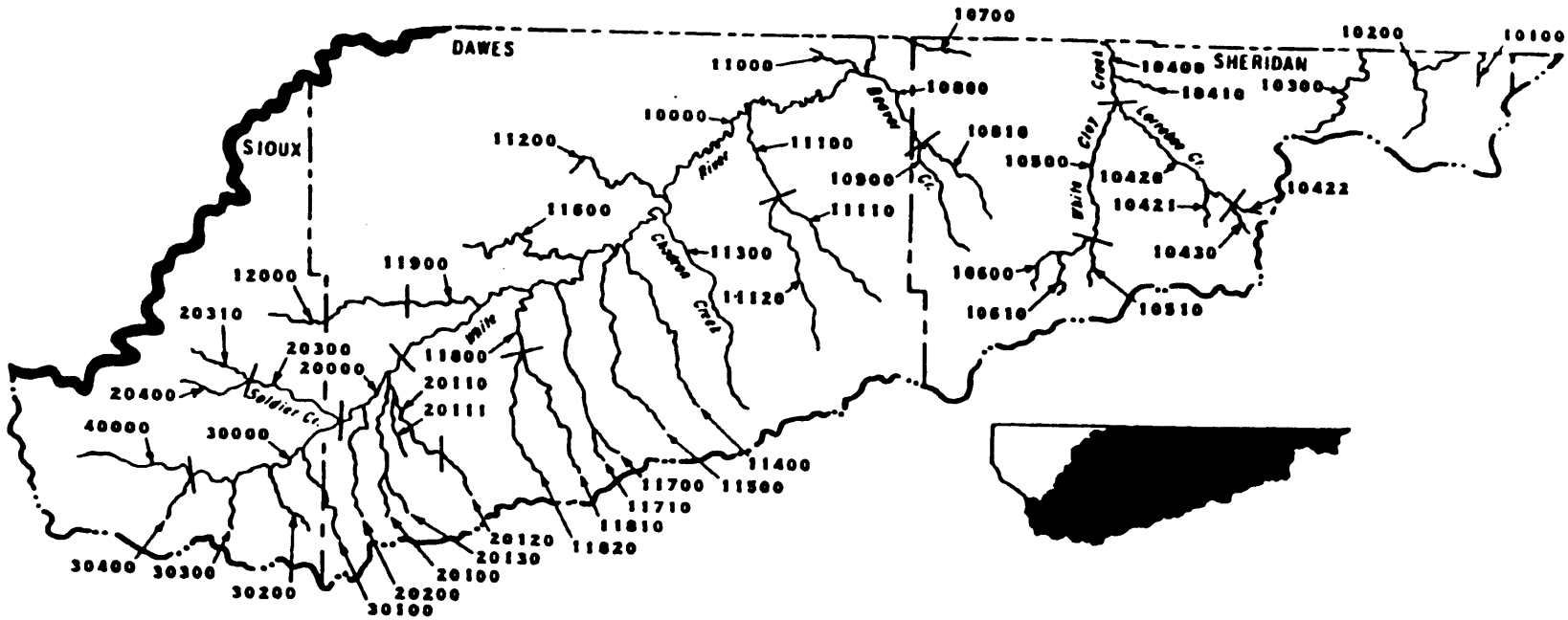
RIVER BASIN: South Platte

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 | | ● | | |




**WHITE RIVER-HAT CREEK BASIN (and Subbasins)**




# Subbasin WH1

**RIVER BASIN:** White River-Hat Creek

**Subbasin:** WH1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| White River - Whitney Pipe Line (Aqueduct) (Sec 26-32N-52W) to Nebraska-South Dakota border (Sec 22-35N-47W) | 10000 | | | | A | ● | A | | ● | i | |
| 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 | | ● | c,d | |
| Little Beaver Creek | 10810 | | | B | | | A | | ● | | |
| Beaver Creek - Headwaters to Little Beaver Creek | 10900 | | | A | | | A | | ● | c,d | |
| Alkali Creek | 11000 | | | | B | | A | | ● | | |
| Bordeaux Creek - Confluence of Little and Big Bordeaux Creeks to White River | 11100 | | | B | | | A | | ● | c,d, e | |
| Little Bordeaux Creek | 11110 | | | B | | | A | | ● | d,e | |

RIVER BASIN: White River-Hat Creek

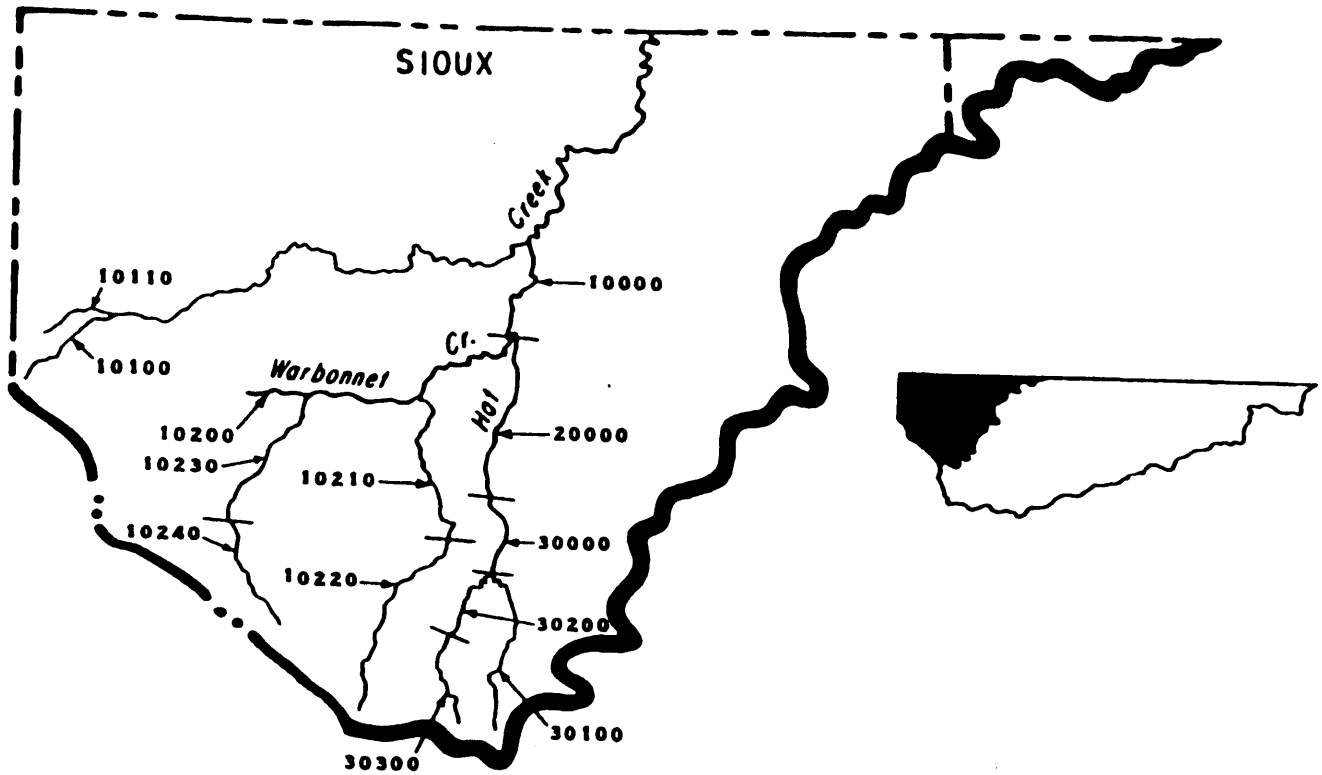
Subbasin: WH1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Big Bordeaux Creek | 11120 | | | B | | | A | | ● | c,d, ● | |
| Lone Tree Creek | 11200 | | | | B | | A | | ● | | |
| Chedron Creek | 11300 | | | A | | ● | A | | ● | d,e | |
| Dead Horse Creek | 11400 | | | A | | | A | | ● | c | |
| Trunk Butte Creek | 11500 | | | B | | | A | | ● | | |
| Big Cottonwood Creek | 11600 | | | | B | | A | | ● | | |
| Indian Creek | 11700 | | | B | | | A | | ● | | |
| Cunningham Creek | 11710 | A | | B | | | A | | ● | | |
| Ash Creek - Confluence of East and West Ash Creeks to White River | 11800 | | | B | | | A | | ● | | |
| 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 | |

**RIVER BASIN:** White River-Hat Creek

**Subbasin:** WH1

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION | | | | | | | | | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | AQUATIC LIFE | | WATER SUPPLY | | | | | |
| | | STATE RESOURCE WATER | RECREATION | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | AESTHETICS | KEY SPECIES | |
| White River - Kyle Creek (Sec 35-31N-54W) to Soldier Creek | 30000 | B | | A | | ● | A | | ● | d,e | |
| | | | | | | | | | | | |
| Dead Man's Creek | 30100 | | | B | | ● | A | | ● | c | |
| | | | | | | | | | | | |
| Deep Creek (Sec 33-31N-53W) | 30200 | | | B | | | A | | ● | ● | |
| | | | | | | | | | | | |
| 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

**RIVER BASIN:** Whit River-Hat Creek

**Subbasin:** WH2

| STREAM SEGMENT | SEGMENT NUMBER | USE CLASSIFICATION: STATE REBOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS | KEY SPECIES | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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-56W) to Warbonnet Creek | 10210 | | | A | | | A | | ● | c,d, ● | |
| Sowbelly Creek - Headwaters to Spring Creek (Sec 34-33N-56W) | 10220 | | | A | | | A | | ● | c,d, ● | |
| 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

FILED

FEB -2 2000

SECRETARY OF STATE

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

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

APPROVED as to amendments
DON STENBERG
ATTORNEY GENERAL
DEC 22 1999
BY
Assistant Attorney General

APPROVED
FEB 02 2000
MIKE JOHANNS
GOVERNOR

FILED

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 be 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 discharge of wastewater from domestic, municipal, or industrial sources shall be allowed directly into these 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.

APPROVED as to amendments
DON STENBERG
ATTORNEY GENERAL
DEC 22 1999
BY
Assistant Attorney General

APPROVED
FEB 02 2000
MIKE JOHANNS
GOVERNOR

005 The following lakes and impounded waters shall be 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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | |
| **SUBBASIN BB1** | | | | | | | | | |
| Donald Whitney Memorial Lake (WMA) (Sec 16-1N-5E, Gage County) | BB1-L0010 | | ● | | A | | A | | ● |
| Diamond Lake South (WMA) (Sec 21-1N-6E, Gage County) | BB1-L0020 | | ● | | A | | A | | ● |
| Big Indian Lake (11A) (Sec 12-1N-6E, Gage County) | BB1-L0030 | | ● | | A | | A | | ● |
| Arrowhead Lake (WMA) (Sec 28-2N-6E, Gage County) | BB1-L0040 | | ● | | A | | A | | ● |
| Wolf Wildcat Lake (Sec 10-2N-8E, Gage County) | BB1-L0050 | | ● | | A | | A | | ● |
| Rockford Lake (SRA) (Sec 13-3N-7E, Gage County) | BB1-L0060 | | ● | | A | | A | | ● |
| Cub Creek Lake 9B (Sec 4-3N-4E, Jefferson County) | BB1-L0070 | | ● | | A | | A | | ● |
| Cub Creek Lake 12A (Sec 2-3N-5E, Jefferson County) | BB1-L0080 | | ● | | A | | A | | ● |
| Clatonia Lake (3A) (Sec 16-6N-5E, Gage County) | BB1-L0090 | | ● | | A | | A | | ● |
| Walnut Creek Lake (2A) (Sec 11-8N-4E, Saline County) | BB1-L0100 | | ● | | A | | A | | ● |
| **SUBBASIN BB2** | | | | | | | | | |
| Swan Creek Lake 2A (WMA) (Sec 6-6N-2E, Saline County) | BB2-L0010 | | ● | | A | | A | | ● |
| Swan Creek Lake (5A) (Sec 25-6N-1E, Saline County) | BB2-L0020 | | ● | | A | | A | | ● |
| Friend City Park Lake (Sec 23-8N-1E, Saline County) | BB2-L0030 | | ● | | A | | A | | ● |
| Geneva City Lake (Sec 36-7N-3W, Fillmore County) | BB2-L0040 | | ● | | A | | A | | ● |

**RIVER BASIN:** Big Blue

**Subbasin:** BB3 and BB4

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

**RIVER BASIN:** Elkhorn

**Subbasin:** EL1 and EL2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | AQUATIC LIFE | | WATER SUPPLY | | | |
| | | STATE RESOURCE WATER | RECREATION | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | AESTHETICS |
| **SUBBASIN EL1** | | | | | | | | | |
| Highway 275 Bypass Lake No. 1 (Sec 9-17N-9E, Dodge County) | EL1-L0010 | | ● | | A | | A | | ● |
| Highway 275 Bypass Lake No. 2 (Sec 9-17N-9E, Dodge County) | EL1-L0020 | | ● | | A | | A | | ● |
| Highway 275 Bypass Lake No. 4 (Sec 20-17N-9E, Dodge County) | EL1-L0030 | | ● | | A | | A | | ● |
| Highway 275 Bypass Lake No. 3 (Sec 20-17N-9E, Dodge County) | EL1-L0040 | | ● | | A | | A | | ● |
| Hooper City Lake (Sec 17-19N-8E, Dodge County) | EL1-L0050 | | ● | | A | | A | | ● |
| West Point City Lake (Sec 34-22N-6E, Cuming County) | EL1-L0060 | | ● | | A | | A | | ● |
| Pilger Reservoir (Sec 26-24N-3E, Stanton County) | EL1-L0070 | | ● | | A | | A | | ● |
| Maskenthine Reservoir (Sec 7-23N-2E, Stanton County) | EL1-L0080 | | ● | | A | | A | | ● |
| Leigh Tri-County Lake (Sec 18-20N-2E, Colfax County) | EL1-L0090 | | ● | | A | | A | | ● |
| Wood Duck Lake (WMA) (Sec 35-23N-1E, Stanton County) | EL1-L0100 | | ● | | A | | A | | ● |
| Loes Lake (Wood Duck WMA) (Sec 26-23N-1E, Stanton County) | EL1-L0110 | | ● | | A | | A | | ● |
| Pillar Lake (Wood Duck WMA) (Sec 35-23N-1E, Stanton County) | EL1-L0120 | | ● | | A | | A | | ● |
| Wood Duck Pond (Wood Duck WMA) (Sec 27-23N-1E, Stanton County) | EL1-L0130 | | ● | | A | | A | | ● |
| Dead Timber Lake (SRA) (Sec 12-20N-6E, Dodge County) | EL1-L0140 | | ● | | A | | A | | ● |
| **SUBBASIN EL2** | | | | | | | | | |
| Lyons City Park Lake (Sec 25-23N-8E, Burt County) | EL2-L0010 | | ● | | A | | A | | ● |
| Wayne Issac Walton Lake (Sec 15-27N-3E, Wayne County) | EL2-L0020 | | ● | | A | | A | | ● |

**RIVER BASIN:** Elkhorn

**Subbasin:** EL3 and EL4

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

**RIVER BASIN:** Little Blue

**Subbasin:** LB1 and LB2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS |
|---|---|---|---|---|---|---|---|---|---|
| **SUBBASIN LB1** | | | | | | | | | |
| Buckley Reservoir (3F) (Sec 10-1N-1E, Jefferson County) | LB1-L0010 | | ● | | A | | A | | ● |
| Crystal Springs Northwest Lake (Fairbury) (Sec 21-2N-2E, Jefferson County) | LB1-L0020 | | ● | | A | | A | | ● |
| Crystal Springs Center Lake (Fairbury) (Sec 21-2N-2E, Jefferson County) | LB1-L0030 | | ● | | A | | A | | ● |
| Crystal Springs East Lake (Fairbury) (Sec 21-2N-2E, Jefferson County) | LB1-L0040 | | ● | | A | | A | | ● |
| **SUBBASIN LB2** | | | | | | | | | |
| Alexandria Lake No. 2 (SRA) (Sec 16-3N-1E, Jefferson County) | LB2-L0010 | | ● | | A | | A | | ● |
| Alexandria Lake No. 1 (SRA) (Sec 16-3N-1E, Jefferson County) | LB2-L0020 | | ● | | A | | A | | ● |
| Alexandria Lake No. 3 (SRA) (Sec 17-3N-1E, Jefferson County) | LB2-L0030 | | ● | | A | | A | | ● |
| Bruning Dam Lake (Sec 35-5N-2W, Fillmore County) | LB2-L0040 | | ● | | A | | A | | ● |
| Liberty Cove Lake (Sec 35-4N-9W, Webster County) | LB2-L0050 | | ● | | A | | A | | ● |
| Brick Yard Park Pond (Sec 14-7N-10W, Adams County) | LB2-L0060 | | ● | | A | | A | | ● |
| Crystal Lake (SRA) (Sec 27-6N-10W, Adams County) | LB2-L0070 | | ● | | A | | A | | ● |
| Prairie Lake (32-Mile H) (Sec 31-7N-10W, Adams County) | LB2-L0080 | | ● | | A | | A | | ● |
| Roseland Lake (32-Mile D) (Sec 20-7N-11W, Adams County) | LB2-L0090 | | ● | | A | | A | | ● |

**RIVER BASIN:** Loup

**Subbasin:** LO1

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | AQUATIC LIFE | | WATER SUPPLY | | | |
| | | STATE RESOURCE WATER | RECREATION | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | AESTHETICS |
| **SUBBASIN LO1** | | | | | | | | | |
| Columbus City Park Pond (Sec 30-17N-1E, Platte County) | LO1-L0010 | | ● | | A | | A | | ● |
| Columbus Issac Walton Lake (Sec 36-17N-1W, Platte County) | LO1-L0020 | | ● | | A | | A | | ● |
| Pawnee Park Lake (Columbus) (Sec 25-17N-1W, Platte County) | LO1-L0030 | | ● | | A | | A | | ● |
| Stires Lake (Sec 25-17N-1W, Platte County) | LO1-L0040 | | ● | | A | | A | | ● |
| Wagner's Lake (Sec 25-17N-1W, Platte County) | LO1-L0050 | | ● | | A | | A | | ● |
| Loup Power District Headgate Pond No. 1 (Sec 29,17N-4W, Nance County) | LO1-L0060 | | ● | | A | | A | | ● |
| Loup Power District Headgate Pond No. 2 (Sec 29,17N-4W, Nance County) | LO1-L0070 | | ● | | A | | A | | ● |
| Loup Power District Headgate Pond No. 3 (Sec 32,17N-4W, Nance County) | LO1-L0080 | | ● | | A | | A | | ● |
| Loup Power District Headgate Pond No. 4 (Sec 32,17N-4W, Nance County) | LO1-L0090 | | ● | | A | | A | | ● |
| Loup Power District Headgate Pond No. 5 (Sec 32,17N-4W, Nance County) | LO1-L0100 | | ● | | A | | A | | ● |
| Stevenson's Lake (Sec 31-22N-7W, Boone County) | LO1-L0110 | | ● | | A | | A | | ● |
| Wolbach City Lake (Sec 31-17N-9W, Greeley County) | LO1-L0120 | | ● | | A | | A | | ● |
| Pibel Lake (SRA) (Sec 25-21N-11W, Wheeler County) | LO1-L0130 | | ● | | A | | A | | ● |
| Lake Ericson (Sec 25-21N-12W, Wheeler County) | LO1-L0140 | | ● | | A | | A | | ● |
| Fullerton City Lake (Sec 11-16N-6W, Nance County) | LO1-L0150 | | ● | | A | | A | | ● |

**RIVER BASIN:** Loup

**Subbasin:** LO2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | AQUATIC LIFE | | WATER SUPPLY | | | |
| | | STATE RESOURCE WATER | RECREATION | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | AESTHETICS |
| **SUBBASIN LO2** | | | | | | | | | |
| North Loup Lake (SRA) (Sec 15-15N-10W, Howard County) | LO2-L0010 | | ● | | A | | A | | ● |
| Ord City Lake (Sec 21-19N-14W, Valley County) | LO2-L0020 | | ● | | A | | A | | ● |
| Burwell Lake (Sec 13-21N-16W, Garfield County) | LO2-L0030 | | ● | | A | | A | | ● |
| Burwell Park Lake (Sec 14-21N-16W, Garfield County) | LO2-L0040 | | ● | | A | | A | | ● |
| Calamus Reservoir (Sec 5-21N-16W, Garfield and Loup Counties) | LO2-L0050 | | ● | | A | | A | | ● |
| Clear Lake (Sec 31-27N-23W, Brown County) | LO2-L0060 | | ● | | A | | A | | ● |
| Enders Overflow Lake (Sec 35-27N-24W, Brown County) | LO2-L0070 | | ● | | A | | A | | ● |
| Long Lake (SRA) (Sec 22-27N-24W, Brown County) | LO2-L0080 | | ● | | A | | A | | ● |
| South Twin Lake (WMA) (Sec 16-27N-24W, Brown County) | LO2-L0090 | | ● | | A | | A | | ● |
| Dew Lake (Valentine NWR) (Sec 27-29N-26W, Cherry County) | LO2-L0100 | A | ● | | A | | A | | ● |
| Crooked Lake (Valentine NWR) (Sec 32-29N-26W, Cherry County) | LO2-L0110 | A | ● | | A | | A | | ● |
| East Long Lake (Valentine NWR) (Sec 6-28N-26W, Cherry County) | LO2-L0120 | A | ● | | A | | A | | ● |
| Twenty-one Lake (Valentine NWR) (Sec 23-29N-27W, Cherry County) | LO2-L0130 | A | ● | | A | | A | | ● |
| Center Lake (Valentine NWR) (Sec 21-29N-27W, Cherry County) | LO2-L0140 | A | ● | | A | | A | | ● |
| Lee Lake (Valentine NWR) (Sec 29-29N-27W, Cherry County) | LO2-L0150 | A | ● | | A | | A | | ● |
| Pony Lake (Valentine NWR) (Sec 17-29N-27W, Cherry County) | LO2-L0160 | A | ● | | A | | A | | ● |
| East Sweetwater Lake (Valentine NWR) (Sec 32-29N-27W, Cherry County) | LO2-L0170 | A | ● | | A | | A | | ● |
| Cow Lake (Valentine NWR) (Sec 31-29N-27W, Cherry County) | LO2-L0180 | A | ● | | A | | A | | ● |
| Round Lake (Tom's Lake) (Valentine NWR) (Sec 19-29N-27W, Cherry County) | LO2-L0190 | A | ● | | A | | A | | ● |

**RIVER BASIN:** Loup

**Subbasin:** LO2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | |
| **SUBBASIN LO2 (Continued)** | | | | | | | | | |
| Homestead Lake (Valentine NWR) (Sec 23-29N-28W, Cherry County) | LO2-L0200 | A | ● | | A | | A | | ● |
| Campbell Lake (Valentine NWR) (Sec 22-29N-28W, Cherry County) | LO2-L0210 | A | ● | | A | | A | | ● |
| Lost Lake (Valentine NWR) (Sec 15-29N-28W, Cherry County) | LO2-L0220 | A | ● | | A | | A | | ● |
| Dad's Lake (Valentine NWR) (Sec 12-29N-29W, Cherry County) | LO2-L0230 | A | ● | | A | | A | | ● |
| Baker Lake (Valentine NWR) (Sec 8-29N-28W, Cherry County) | LO2-L0240 | A | ● | | A | | A | | ● |
| Coleman Lake (Valentine NWR) (Sec 30-29N-28W, Cherry County) | LO2-L0250 | A | ● | | A | | A | | ● |
| Rat and Beaver Lake (WMA) (Sec 25-29N-29W, Cherry County) | LO2-L0260 | | ● | | A | | A | | ● |
| Mule Lake (Valentine NWR) (Sec 13-29N-29W, Cherry County) | LO2-L0270 | A | ● | | A | | A | | ● |
| Devil's Punch Bowl Lake (Valentine NWR) (Sec 15-29N-29W, Cherry County) | LO2-L0280 | A | ● | | A | | A | | ● |

**RIVER BASIN:** Loup

**Subbasin:** LO3 and LO4

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | AQUATIC LIFE | | WATER SUPPLY | | | |
| | | STATE RESOURCE WATER | RECREATION | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | AESTHETICS |
| **SUBBASIN LO3** | | | | | | | | | |
| Farwell South Reservoir (Sec 28-14N-12W, Howard County) | LO3-L0010 | | ● | | A | | A | | ● |
| Sherman Reservoir (Sec 2-15N-14W, Sherman County) | LO3-L0020 | | ● | | A | | A | | ● |
| Bowman Lake (SRA) (Sec 13-15N-15W, Sherman County) | LO3-L0030 | | ● | | A | | A | | ● |
| Victoria Springs Lake (SRA) (Sec 20-19N-21W, Custer County) | LO3-L0040 | | ● | | A | | A | | ● |
| Halsey Trout Pond (Nebraska National Forest) (Sec 3-21N-25W, Blaine County) | LO3-L0050 | A | ● | B | | | A | | ● |
| Spring Valley Lake (Sec 32-22N-37W, Grant County) | LO3-L0060 | | ● | | A | | A | | ● |
| Frye Lake (Sec 29-24N-38W, Grant County) | LO3-L0070 | | ● | | A | | A | | ● |
| Three Corners Lake (Sec 9-28N-38W, Cherry County) | LO3-L0080 | | ● | | A | | A | | ● |
| Alkali Lake (Sec 11-26N-40W, Cherry County) | LO3-L0090 | | ● | | A | | A | | ● |
| **SUBBASIN LO4** | | | | | | | | | |
| Ravenna Lake (SRA) (Sec 10-12N-14W, Buffalo County) | LO4-L0010 | | ● | | A | | A | | ● |
| Beaver Creek Lake (SWA) (Sec 12-13N-16W, Sherman County) | LO4-L0020 | | ● | | A | | A | | ● |
| Ansley City Lake (Sec 9-15N-18W, Custer County) | LO4-L0030 | | ● | | A | | A | | ● |
| Melham Park Lake (Broken Bow) (Sec 29-17N-20W, Custer County) | LO4-L0040 | | ● | | A | | A | | ● |
| Arnold Lake (SRA) (Sec 28-17N-25W, Custer County) | LO4-L0050 | | ● | | A | | A | | ● |

**RIVER BASIN:** Lower Platte

**Subbasin:** LP1

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

**RIVER BASIN:** Lower Platte

**Subbasin:** LP1

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS |
|---|---|---|---|---|---|---|---|---|---|
| **SUBBASIN LP1 (Continued)** | | | | | | | | | |
| Fremont Lake No. 19 (SRA) (Sec 16-17N-8E, Dodge County) | LP1-L0190 | | ● | | A | | A | | ● |
| Fremont Lake No. 15 (SRA) (Sec 16-17N-8E, Dodge County) | LP1-L0200 | | ● | | A | | A | | ● |
| Fremont Lake No. 11 (SRA) (Sec 17-17N-8E, | LP1-L0210 | | ● | | A | | A | | ● |
| Fremont Lake No. 18E (SRA) (Sec 16-17N-8E, Dodge County) | LP1-L0220 | | ● | | A | | A | | ● |
| Fremont Lake No. 18W (SRA) Sec 17-17N-8E, Dodge County) | LP1-L0230 | | ● | | A | | A | | ● |
| Fremont Lake No. 10 (SRA) (Sec 17-17N-8E, Dodge County) | LP1-L0240 | | ● | | A | | A | | ● |
| Fremont Lake No. 20E (SRA) (Sec 17-17N-8E, Dodge County) | LP1-L0250 | | ● | | A | | A | | ● |
| Fremont Lake No. 20W (SRA) (Sec 17-17N-8E, Dodge County) | LP1-L0260 | | ● | | A | | A | | ● |
| Fremont Lake No. 16 (SRA) (Sec 17-17N-8E, Dodge County) | LP1-L0270 | | ● | | A | | A | | ● |
| Fremont Lake No. 9 (SRA) (Sec 17-17N-8E, Dodge County) | LP1-L0280 | | ● | | A | | A | | ● |
| Fremont Lake No. 1 (SRA) (Sec 13-17N-7E, Dodge County) | LP1-L0290 | | ● | | A | | A | | ● |
| Fremont Lake No. 2 (SRA) (Sec 13-17N-7E, Dodge County) | LP1-L0300 | | ● | | A | | A | | ● |
| Fremont Lake No. 3 (SRA) (Sec 13-17N-7E, Dodge County) | LP1-L0310 | | ● | | A | | A | | ● |
| Fremont Lake No. 5 (SRA) (Sec 13-17N-7E, Dodge County) | LP1-L0320 | | ● | | A | | A | | ● |
| Fremont Lake No. 4 (SRA) Sec 13-17N-7E, Dodge County) | LP1-L0330 | | ● | | A | | A | | ● |
| Fremont Lake No. 6 (SRA) (Sec 14-17N-7E, Dodge County) | LP1-L0340 | | ● | | A | | A | | ● |
| Fremont Lakes No. 7 and 8 (SRA) (Sec 14-17N-7E, Dodge County) | LP1-L0350 | | ● | | A | | A | | ● |
| Schuyler East Park Pond (Sec 14-17N-3E, Colfax County) | LP1-L0360 | | ● | | A | | A | | ● |
| Schuyler City Lake (Sec 22-17N-3E, Colfax County) | LP1-L0370 | | ● | | A | | A | | ● |

**RIVER BASIN:** Lower Platte

**Subbasin:** LP1 and LP2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | AQUATIC LIFE | | WATER SUPPLY | | | |
| | | STATE RESOURCE WATER | RECREATION | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | AESTHETICS |
| **SUBBASIN LP1 (Continued)** | | | | | | | | | |
| Camp Luther Pond (Sec 4-18N-2E, Colfax County) | LP1-L0380 | | ● | | A | | A | | ● |
| McAllister Lake (Sec 33-17N-2E, Colfax County) | LP1-L0390 | | ● | | A | | A | | ● |
| Christopher Cove Lake (Sec 21-17N-1E, Platte County) | LP1-L0400 | | ● | | A | | A | | ● |
| Country Club Shores Lake (Sec 1-17N-1W, Platte County) | LP1-L0410 | | ● | | A | | A | | ● |
| Columbus Country Club Lake (Sec 2-17N-1W, Platte County) | LP1-L0420 | | ● | | A | | A | | ● |
| Oconee Siphon Pond (Sec 27-18N-2W, Platte County) | LP1-L0430 | | ● | | A | | A | | ● |
| Lake North (Sec 31-18N-1E, Platte County) | LP1-L0440 | | ● | | A | | A | ● | ● |
| Lake Babcock (Sec 31-18N-1E, Platte County) | LP1-L0450 | | ● | | A | | A | ● | ● |
| **SUBBASIN LP2** | | | | | | | | | |
| Memphis Lake (SRA) (Sec 17-13N-9E, Saunders County) | LP2-L0010 | | ● | | A | | A | | ● |
| Hedgefield Lake (WMA) (Sec 6-7N-8E, Lancaster County) | LP2-L0020 | | ● | | A | | A | | ● |
| Wagon Train Lake (Sec 25-8N-7E, Lancaster County) | LP2-L0030 | | ● | | A | | A | | ● |
| Holmes Lake (Sec 4-9N-7E, Lancaster County) | LP2-L0040 | | ● | | A | | A | | ● |
| Stagecoach Lake (Sec 4-7N-7E, Lancaster County) | LP2-L0050 | | ● | | A | | A | | ● |
| Oak Lake (Lincoln) (Sec 14-10N-6E, Lancaster County) | LP2-L0060 | | ● | | A | | A | | ● |
| Cottontail Lake (17A) (Sec 20-8N-6E, Lancaster County) | LP2-L0070 | | ● | | A | | A | | ● |
| Killdeer Lake (WMA) (Sec 8-8N-6E, Lancaster County) | LP2-L0080 | | ● | | A | | A | | ● |
| Yankee Hill Lake (Sec 19-9N-6E, Lancaster County) | LP2-L0090 | | ● | | A | | A | | ● |
| Bowling Lake (Sec 6-10N-6E, Lancaster County) | LP2-L0100 | | ● | | A | | A | | ● |
| Bluestem Lake (Sec 30-8N-6E, Lancaster County) | LP2-L0110 | | ● | | A | | A | | ● |
| Wildwood Lake (Sec 3-12N-5E, Lancaster County) | LP2-L0120 | | ● | | A | | A | | ● |
| Conestoga Lake (Sec 10-9N-5E, Lancaster County) | LP2-L0130 | | ● | | A | | A | | ● |

**RIVER BASIN:** Lower Platte

**Subbasin:** LP2

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

**RIVER BASIN:** Middle Platte

**Subbasin:** MP1 and MP2

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

**RIVER BASIN:** Middle Platte

**Subbasin:** MP2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | |
| **SUBBASIN MP2 (Continued)** | | | | | | | | | |
| West Morman Island Lake (SRA) (Sec 20-10N-9W, Hall County) | MP2-L0070 | | ● | | A | | A | | ● |
| Loch Linda (WMA) (Sec 27-10N-10W, Hall County) | MP2-L0080 | | ● | | A | | A | | ● |
| Alda Rest Area Lake (I-80 mile 308.0 N) (Sec 30-10N-10W, Hall County) | MP2-L0090 | | ● | | A | | A | | ● |
| Cheyenne Lake (SRA) (Sec 7-9N-11W, Hall County) | MP2-L0100 | | ● | | A | | A | | ● |
| West Wood River Lake (WMA) (Sec 13-9N-12W, Hall County) | MP2-L0110 | | ● | | A | | A | | ● |
| War Axe Lake (SRA) (Sec 25-9N-13W, Buffalo County) | MP2-L0120 | | ● | | A | | A | | ● |
| Windmill Lake No. 4 (SRA) (Sec 36-9N-14W, Buffalo County) | MP2-L0130 | | ● | | A | | A | | ● |
| Windmill Lake No. 5 (SRA) (Sec 31-9N-13W, Buffalo County) | MP2-L0140 | | ● | | A | | A | | ● |
| Windmill Lake No. 3 (SRA) (Sec 36-9N-14W, Buffalo County) | MP2-L0150 | | ● | | A | | A | | ● |
| Windmill Lake No. 2 (SRA) (Sec 36-9N-14W, Buffalo County) | MP2-L0160 | | ● | | A | | A | | ● |
| Windmill Lake No. 1 (SRA) (Sec 36-9N-14W, Buffalo County) | MP2-L0170 | | ● | | A | | A | | ● |
| Windmill Lake No. 6 (SRA) (Sec 36-9N-14W, Buffalo County) | MP2-L0180 | | ● | | A | | A | | ● |
| Bassway Strip Lake No. 5 (WMA) (Sec 2-8N-14W, Buffalo County) | MP2-L0190 | | ● | | A | | A | | ● |
| Bassway Strip Lake No. 4 (WMA) (Sec 4-8N-14W, Buffalo County) | MP2-L0200 | | ● | | A | | A | | ● |
| Bassway Strip Lake No. 3 (WMA) (Sec 4-8N-14W, Buffalo County) | MP2-L0210 | | ● | | A | | A | | ● |
| Bassway Strip Lake No. 2 (WMA) (Sec 5-8N-14W, Buffalo County) | MP2-L0220 | | ● | | A | | A | | ● |
| Bassway Strip Lake No. 1 (WMA) (Sec 6-8N-14W, Buffalo County) | MP2-L0230 | | ● | | A | | A | | ● |
| Bufflehead Lake (WMA) (Sec 19-8N-15W, Buffalo County) | MP2-L0240 | | ● | | A | | A | | ● |
| Ft. Kearny Lake No. 1 (SRA) (Sec 23-8N-15W, Kearney County) | MP2-L0250 | | ● | | A | | A | | ● |

**RIVER BASIN:** Middle Platte

**Subbasin:** MP2

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

**RIVER BASIN:** Middle Platte

**Subbasin:** MP2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS |
|---|---|---|---|---|---|---|---|---|---|
| **SUBBASIN MP2 (Continued)** | | | | | | | | | |
| Overton Lake (WMA) (Sec 1-8N-20W, Dawson County) | MP2-L0450 | | ● | | A | | A | | ● |
| Dogwood Lake (WMA) (Sec 5-8N-20W, Dawson County) | MP2-L0460 | | ● | | A | | A | | ● |
| Dawson County Museum Lake (Sec 5-9N-21W, Dawson County) | MP2-L0470 | | ● | | A | | A | | ● |
| Interstate Lake (Lexington) (Sec 20-9N-21W, Dawson County) | MP2-L0480 | | ● | | A | | A | | ● |
| Plum Creek Park Lake (Lexington) (Sec 6-9N-21W, Dawson County) | MP2-L0490 | | ● | | A | | A | | ● |
| Phillips Lake (Sec 2-8N-22W, Gosper County) | MP2-L0500 | | ● | | A | | A | | ● |
| Bossung Lake (Sec 4-8N-22W, Gosper County) | MP2-L0510 | | ● | | A | | A | | ● |
| Johnson Lake (Sec 8-8N-22W, Gosper County) | MP2-L0520 | | ● | | A | | A | ● | ● |
| Buffalo Creek Lake (Sec 4-11N-22W, Dawson County) | MP2-L0530 | | ● | | A | | A | | ● |
| Elwood Reservoir (Sec 29-8N-22W, Gosper County) | MP2-L0540 | | ● | | A | | A | | ● |
| Darr Lake (WMA) (Sec 5-9N-22W, Dawson County) | MP2-L0550 | | ● | | A | | A | | ● |
| Plum Creek Lake (Sec 34-9N-23W) Dawson County) | MP2-L0560 | | ● | | A | | A | | ● |
| Gallagher Canyon Reservoir (Sec 20-9N-23W, Dawson County) | MP2-L0570 | | ● | | A | | A | | ● |
| Cozad Lake (WMA) (Sec 18-10N-23W, Dawson County) | MP2-L0580 | | ● | | A | | A | | ● |
| West Cozad Lake (WMA) (Sec 12-10N-24W, Dawson County) | MP2-L0590 | | ● | | A | | A | | ● |
| East Willow Island Lake (WMA) (Sec 4-10N-24W, Dawson County) | MP2-L0600 | | ● | | A | | A | | ● |
| Willow Island Lake (WMA) (Sec 33-11N-24W, Dawson County) | MP2-L0610 | | ● | | A | | A | | ● |
| Midway Lakes (8 Lakes) (Sec 33-10N-24W, Dawson County) | MP2-L0620 | | ● | | A | | A | | ● |
| East Gothenberg Lake (WMA) (Sec 30-11N-24W, Dawson County) | MP2-L0630 | | ● | | A | | A | | ● |
| Little Canyon Lake No. 2 (Sec 14-10N-25W, Dawson County) | MP2-L0640 | | ● | | A | | A | | ● |

**RIVER BASIN:** Middle Platte

**Subbasin:** MP2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS |
|---|---|---|---|---|---|---|---|---|---|
| **SUBBASIN MP2 (Continued)** | | | | | | | | | |
| Lake Helen (Sec 10-11N-25W, Dawson County) | MP2-L0650 | | ● | | A | | A | | ● |
| Little Canyon Lake No. 1 (Sec 9-10N-25W, Dawson County) | MP2-L0660 | | ● | | A | | A | | ● |
| Blue Heron Lake (WMA) (Sec 16-11N-25W, Dawson County) | MP2-L0670 | | ● | | A | | A | | ● |
| West Gothenberg Lake (WMA) (Sec 29-12N-26W, Lincoln County) | MP2-L0680 | | ● | | A | | A | | ● |
| Brady Lake (WMA) (Sec 23-12N-27W, Lincoln County) | MP2-L0690 | | ● | | A | | A | | ● |
| Chester Island Lake (WMA) (Sec 22-12N-27W, Lincoln County) | MP2-L0700 | | ● | | A | | A | | ● |
| Jeffery Reservoir (Sec 4-11N-27W, Lincoln County) | MP2-L0710 | | ● | | A | | A | ● | ● |
| West Brady Lake (WMA) (Sec 17-12N-27W, Lincoln County) | MP2-L0720 | | ● | | A | | A | | ● |
| Snell Canyon Lake No. 2 (Sec 31-12N-27W, Lincoln County) | MP2-L0730 | | ● | | A | | A | | ● |
| Snell Canyon Lake No. 1 (Sec 36-12N-28W, Lincoln County) | MP2-L0740 | | ● | | A | | A | | ● |
| Maxwell Rest Area Lake (I-80 mile 194.0 N) (Sec 1-12N-28W, Lincoln County) | MP2-L0750 | | ● | | A | | A | | ● |
| Target Lake (Sec 23-12N-28W, Lincoln County) | MP2-L0760 | | ● | | A | | A | | ● |
| Fort McPherson Lake (SWA) (Sec 34-13N-28W, Lincoln County) | MP2-L0770 | | ● | | A | | A | | ● |
| Cottonwood Canyon Lake (Sec 16-12N-28W, Lincoln County) | MP2-L0780 | | ● | | A | | A | | ● |
| I-80 BLM Lake (Sec 33-13N-28W, Lincoln County) | MP2-L0790 | | ● | | A | | A | | ● |
| West Maxwell Lake (WMA) (Sec 33-13N-28W, Lincoln County) | MP2-L0800 | | ● | | A | | A | | ● |
| Box Elder Canyon Lake (Sec 12-12N-29W, Lincoln County) | MP2-L0810 | | ● | | A | | A | | ● |
| Crystal Lake (Sec 23-13N-29W, Lincoln County) | MP2-L0820 | | ● | | A | | A | | ● |
| Moran Canyon Lake (Sec 34-13N-29W, Lincoln County) | MP2-L0830 | | ● | | A | | A | | ● |
| Fremont Slough Lake (WMA) (Sec 17-13N-29W, Lincoln County) | MP2-L0840 | | ● | | A | | A | | ● |

**RIVER BASIN:** Missouri Tributaries

**Subbasin:** MT1

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | |
| **SUBBASIN MT1** | | | | | | | | | |
| Offutt Lake (Sec 7-13N-14E, Sarpy County) | MT1-L0010 | | ● | | A | | A | | ● |
| Haworth Park Lake (Bellevue) (Sec 31-14N-14E, Sarpy County) | MT1-L0020 | | ● | | A | | A | | ● |
| Walnut Creek Lake (Sec 33-14N-12E, Sarpy County) | MT1-L0025 | | ● | | A | | A | | ● |
| Wehrspann Lake (Site No. 20) (Sec 23-14N-11E, Sarpy County) | MT1-L0030 | | ● | | A | | A | | ● |
| Hitchcock Park Lake (Omaha) (Sec 5-14N-13E, Douglas County) | MT1-L0040 | | ● | | A | | A | | ● |
| Ed Zorinsky Lake (Site No. 18) (Sec 34-15N-11E, Douglas County) | MT1-L0050 | | ● | | A | | A | | ● |
| Hanscom Park Lake (Omaha) (Sec 28-15N-13E, Douglas County) | MT1-L0060 | | ● | | A | | A | | ● |
| Fontenelle Park Lake (Omaha) (Sec 5-15N-13E, Douglas County) | MT1-L0070 | | ● | | A | | A | | ● |
| Benson Park Lake (Omaha) (Sec 1-15N-12E, Douglas County) | MT1-L0080 | | ● | | A | | A | | ● |
| Carter Lake (Omaha) (Sec 2-15N-13E, Douglas County) | MT1-L0090 | | ● | | A | | A | | ● |
| Standing Bear Lake (Site No. 16) (Sec 36-16N-11E, Douglas County) | MT1-L0100 | | ● | | A | | A | | ● |
| Miller Park Lake (Omaha) (Sec 33-16N-13E, Douglas County) | MT1-L0110 | | ● | | A | | A | | ● |
| Glenn Cunningham Lake (Site No. 11) (Sec 22-16N-12E, Douglas County) | MT1-L0120 | | ● | | A | | A | | ● |
| Papio D-4 Lake (Sec 9-16N-12E, Douglas County) | MT1-L0130 | | ● | | A | | A | | ● |
| DeSoto Lake (DeSoto NWR) (Sec 18-18N-13E, Washington County) | MT1-L0140 | A | ● | | A | | A | | ● |
| Summit Lake (Sec 27-21N-10E, Burt County) | MT1-L0150 | | ● | | A | | A | | ● |
| Mud Creek SCS Pond (Sec 18-21N-11E, Burt County) | MT1-L0160 | | ● | | A | | A | | ● |
| Middle Decatur Bend Lake (WMA) (Sec 4-23N-11E, Burt County) | MT1-L0170 | | ● | | A | | A | | ● |
| Omadi Bend Lake (WMA) (Sec 32-28N-9E, Dakota County) | MT1-L0180 | | ● | | A | | A | | ● |

**RIVER BASIN:** Missouri Tributaries

**Subbasin:** MT1 and MT2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | AQUATIC LIFE | | WATER SUPPLY | | | |
| | | STATE RESOURCE WATER | RECREATION | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | AESTHETICS |
| **SUBBASIN MT1 (Continued)** | | | | | | | | | |
| Gateway Lake (Sec 33-29N-9E, Dakota County) | MT1-L0190 | | ● | | A | | A | | ● |
| Crystal Cove Lake (South Sioux City) (Sec 29-29N-9E, Dakota County) | MT1-L0200 | | ● | | A | | A | | ● |
| **SUBBASIN MT2** | | | | | | | | | |
| Buckskin Hills Lake (Sec 26-31N-4E, Dixon County) | MT2-L0010 | | ● | | A | | A | | ● |
| Chalkrock Lake (Sec 36-33N-1W, Cedar County) | MT2-L0020 | | ● | | A | | A | | ● |
| Cottonwood Lake (Lake Yankton) (Sec 7-33N-1W, Cedar County) | MT2-L0030 | | ● | | A | | A | | ● |
| Lewis and Clark Lake (Sec 12-33N-2W, Knox County) | MT2-L0040 | | ● | | A | ● | A | ● | ● |
| Crofton City Lake (Sec 26-32N-2W, Knox County) | MT2-L0050 | | ● | | A | | A | | ● |
| Plainview Country Club Lake (Sec 26-28N-5W, Antelope County) | MT2-L0060 | | ● | | A | | A | | ● |

**RIVER BASIN:** Nemaha

**Subbasin:** NE1 and NE2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS |
|---|---|---|---|---|---|---|---|---|---|
| **SUBBASIN NE1** | | | | | | | | | |
| Steinhart Park Lake (Nebraska City) (Sec 8-8N-14E, Otoe County) | NE1-L0010 | | ● | | A | | A | | ● |
| Weeping Water City Lake (Sec 2-10N-11E, Cass County) | NE1-L0020 | | ● | | A | | A | | ● |
| Plattsmouth City Lake(Sec 13-12N-13E, Cass County) | NE1-L0030 | | ● | | A | | A | | ● |
| Randall Schilling Lake No. 1 (WMA) (Sec 6-12N-14E, Cass County) | NE1-L0040 | | ● | | A | | A | | ● |
| Randall Schilling Lake No. 2 (WMA) (Sec 6-12N-14E, Cass County) | NE1-L0050 | | ● | | A | | A | | ● |
| **SUBBASIN NE2** | | | | | | | | | |
| Falls City Lake (Stanton Lake) (Sec 10-1N-16E, Richardson County) | NE2-L0010 | | ● | | A | | A | | ● |
| Verdon Lake (SRA) (Sec 10-2N-15E, Richardson County) | NE2-L0020 | | ● | | A | | A | | ● |
| Humboldt City Lake (Sec 10-2N-13E, Richardson County) | NE2-L0030 | | ● | | A | | A | | ● |
| Kirkman's Cove Lake (Sec 30-3N-13E, Richardson County) | NE2-L0040 | | ● | | A | | A | | ● |
| Kinters Ford Lake (WMA) (Sec 18-1N-13E, Richardson County) | NE2-L0050 | | ● | | A | | A | | ● |
| Twin Oaks Lake No. 9 (WMA) (Sec 13-4N-11E, Johnson County) | NE2-L0060 | | ● | | A | | A | | ● |
| Twin Oaks Lake No. 7 (WMA) (Sec 13-4N-11E, Johnson County) | NE2-L0070 | | ● | | A | | A | | ● |
| Prairie Knoll Lake (WMA) (Sec 9-1N-12E, Pawnee County) | NE2-L0080 | | ● | | A | | A | | ● |
| Iron Horse Trail Lake (WMA) (Sec 17-1N-12E, Pawnee County) | NE2-L0090 | | ● | | A | | A | | ● |
| Pawnee City Lake (Sec 27-2N-11E, Pawnee County) | NE2-L0100 | | ● | | A | | A | | ● |
| Tecumseh City Lake (Sec 29-5N-11E, Johnson County) | NE2-L0110 | | ● | | A | | A | | ● |
| Burchard Lake (WMA) (Sec 4-2N-10E, Pawnee County) | NE2-L0120 | | ● | | A | | A | | ● |
| Pawnee Prairie Lake No. 3 (WMA) (Sec 20-1N-10E, Pawnee County) | NE2-L0130 | | ● | | A | | A | | ● |

**RIVER BASIN:** Nemaha

**Subbasin:** NE2 and NE3

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | AQUATIC LIFE | | WATER SUPPLY | | | |
| | | STATE RESOURCE WATER | RECREATION | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | AESTHETICS |
| **SUBBASIN NE2 (Continued)** | | | | | | | | | |
| Pawnee Prairie Lake No. 6 (WMA) (Sec 20-1N-10E, Pawnee County) | NE2-L0140 | | ● | | A | | A | | ● |
| Pawnee Prairie Lake No. 8 (WMA) (Sec 29-1N-10E, Pawnee County) | NE2-L0150 | | ● | | A | | A | | ● |
| Pawnee Prairie Lake No. 10 (WMA) (Sec 20-1N-10E, Pawnee County) | NE2-L0160 | | ● | | A | | A | | ● |
| Pawnee Prairie Lake No. 1 (WMA) (Sec 20-1N-10E, Pawnee County) | NE2-L0170 | | ● | | A | | A | | ● |
| Pawnee Prairie Lake No. 7 (WMA) (Sec 29-1N-10E, Pawnee County) | NE2-L0180 | | ● | | A | | A | | ● |
| Pawnee Prairie Lake No. 9 (WMA) (Sec 20-1N-10E, Pawnee County) | NE2-L0190 | | ● | | A | | A | | ● |
| Site 41-B Lake (Sec 11-6N-9E, Johnson County) | NE2-L0200 | | ● | | A | | A | | ● |
| Big Nemaha Lake (27R) (Sec 22-6N-7E, Gage County) | NE2-L0210 | | ● | | A | | A | | ● |
| **SUBBASIN NE3** | | | | | | | | | |
| Auburn City Park Lake (Sec 15-5N-14E, Nemaha County) | NE3-L0010 | | ● | | A | | A | | ● |
| Gritzka Lake (Talmage) (Sec 36-7N-12E, Otoe County) | NE3-L0020 | | ● | | A | | A | | ● |
| Wilson Creek Lake 4F (Sec 27-8N-12E, Otoe County) | NE3-L0030 | | ● | | A | | A | | ● |
| Wilson Creek Lake 2X (WMA) (Sec 33-9N-12E, Otoe County) | NE3-L0040 | | ● | | A | | A | | ● |
| Osage Lake No. 1 (WMA) (Sec 6-5N-11E, Johnson County) | NE3-L0050 | | ● | | A | | A | | ● |
| Osage Lake No. 3 (WMA) (Sec 6-5N-11E, Johnson County) | NE3-L0060 | | ● | | A | | A | | ● |

**RIVER BASIN:** Niobrara

**Subbasin:** NI1, NI2, and NI3

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

RIVER BASIN: Niobrara

Subbasin: NI3

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | |
| **SUBBASIN NI3 (Continued)** | | | | | | | | | |
| North Marsh Lake (Valentine NWR) (Sec 32-30N-27W, Cherry County) | NI3-L0100 | A | ● | | A | | A | ● | ● |
| Middle Marsh Lake (Valentine NWR) (Sec 5-29N-27W, Cherry County) | NI3-L0110 | A | ● | | A | | A | | ● |
| South Marsh Lake (Valentine NWR) (Sec 9-29N-27W, Cherry County) | NI3-L0120 | A | ● | | A | | A | | ● |
| East Twin Lake (Valentine NWR) (Sec 7-29N-27W, Cherry County) | NI3-L0130 | A | ● | | A | | A | | ● |
| Valentine Fish Hatchery Lake (Sec 30-34N-27W, Cherry County) | NI3-L0140 | | ● | | A | | A | | ● |
| Calf Camp Marsh (Valentine NWR) (Sec 36-30N-28W, Cherry County) | NI3-L0150 | A | ● | | A | | A | | ● |
| Little Hay Lake (Valentine NWR) (Sec 25-30N-28W, Cherry County) | NI3-L0160 | A | ● | | A | | A | | ● |
| Valentine Mill Pond (Sec 25-34N-28W, Cherry County) | NI3-L0170 | | ● | | A | | A | | ● |
| Ballards Marsh (WMA) (Sec 2-30N-28W, Cherry County) | NI3-L0180 | | ● | | A | | A | | ● |
| West Twin Lake (Valentine NWR) (Sec 2-29N-28W, Cherry County) | NI3-L0190 | A | ● | | A | | A | | ● |
| Hackberry Lake (Valentine NWR) (Sec 24-30N-29W, Cherry County) | NI3-L0200 | A | ● | | A | | A | | ● |
| Willow Lake (WMA) (Sec 22-30N-28W, Cherry County) | NI3-L0210 | | ● | | A | | A | | ● |
| Big Alkali Lake (WMA) (Sec 28-31N-28W, Cherry County) | NI3-L0220 | | ● | | A | | A | | ● |
| McKeel Lake (Valentine NWR) (Sec 34-30N-28W, Cherry County) | NI3-L0230 | A | ● | | A | | A | | ● |
| Dewey Lake (Valentine NWR) (Sec 29-30N-28W, Cherry County) | NI3-L0240 | A | ● | | A | | A | | ● |
| School Lake (Valentine NWR) (Sec 33-30N-28W, Cherry County) | NI3-L0250 | A | ● | | A | | A | | ● |
| Clear Lake (Valentine NWR) (Sec 20-30N-28W, Cherry County) | NI3-L0260 | A | ● | | A | | A | | ● |
| Pelican Lake (Valentine NWR) (Sec 36-30N-29W, Cherry County) | NI3-L0270 | A | ● | | A | | A | | ● |

**RIVER BASIN:** Niobrara

**Subbasin:** NI3 and NI4

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS |
|---|---|---|---|---|---|---|---|---|---|
| **SUBBASIN NI3 (Continued)** | | | | | | | | | |
| Whitewater Lake (Valentine NWR) (Sec 31-30N-28W, Cherry County) | NI3-L0280 | A | ● | | A | | A | | ● |
| Watts Lake (Valentine NWR) (Sec 14-30N-29W, Cherry County) | NI3-L0290 | A | ● | | A | | A | | ● |
| West Long Lake (Valentine NWR) (Sec 33-30N-29W, Cherry County) | NI3-L0300 | A | ● | | A | | A | | ● |
| Rice Lake (Valentine NWR) (Sec 21-30N-29W, Cherry County) | NI3-L0310 | A | ● | | A | | A | | ● |
| Duck Lake (Valentine NWR) (Sec 28-30N-29W, Cherry County) | NI3-L0320 | A | ● | | A | | A | | ● |
| Merritt Reservoir (Sec 29-31N-30W, Cherry County) | NI3-L0330 | | ● | | A | | A | | ● |
| Cody Lake (Sec 19-35N-33W, Cherry County) | NI3-L0340 | | ● | | A | | A | | ● |
| Sheup Lake (Sec 33-32N-34W, Cherry County) | NI3-L0350 | | ● | | A | | A | | ● |
| Medicine Lake (Sec 27-32N-35W, Cherry County) | NI3-L0360 | | ● | | A | | A | | ● |
| Round Lake (Sec 6-28N-36W, Cherry County) | NI3-L0370 | | ● | | A | | A | | ● |
| **SUBBASIN NI4** | | | | | | | | | |
| Cottonwood Lake (SRA) (Sec 21-34N-37W, Cherry County) | NI4-L0010 | | ● | | A | | A | | ● |
| Shell Lake (Sec 16-34N-40W, Cherry County) | NI4-L0020 | | ● | | A | | A | | ● |
| Leistritz-Meyer Lake (Sec 35-26N-44W, Sheridan County) | NI4-L0030 | | ● | | A | | A | | ● |
| Smith Lake (WMA) (Sec 15-28N-44W, Sheridan County) | NI4-L0040 | | ● | | A | | A | | ● |
| Walgren Lake (SRA) (Sec 29-31N-45W, Sheridan County) | NI4-L0050 | | ● | | A | | A | | ● |
| Alliance City Lake (Sec 25-25N-48W, Box Butte County) | NI4-L0060 | | ● | | A | | A | | ● |
| Maxwell Pond (Alliance) (Sec 36-25N-48W, Box Butte County) | NI4-L0070 | | ● | | A | | A | | ● |
| Box Butte Reservoir (Sec 28-29N-49W, Dawes County) | NI4-L0080 | | ● | | A | | A | | ● |
| Kilpatrick Lake (Sec 1-24N-52W, Box Butte County) | NI4-L0090 | | ● | | A | | A | | ● |

**RIVER BASIN:** North Platte

**Subbasin:** NP1 and NP2

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

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

**RIVER BASIN:** North Platte

**Subbasin:** NP2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | AQUATIC LIFE | | WATER SUPPLY | | | |
| | | STATE RESOURCE WATER | RECREATION | 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 | | ● |
| Duck Slough (Crescent Lake NWR) (Sec 13-20N-45W, Garden County) | NP2-L0160 | A | ● | | A | | A | | ● |
| Gimlet Lake (Crescent Lake NWR) (Sec 32-21N-44W, Garden County) | NP2-L0170 | A | ● | | A | | A | | ● |
| Goose Lake (Crescent Lake NWR) (Sec 20-21N-44W, Garden County) | NP2-L0180 | A | ● | | A | | A | | ● |
| West Jones Lake (Crescent Lake NWR) (Sec 11-20N-45W, Garden County) | NP2-L0190 | A | ● | | A | | A | | ● |
| Swan Lake (Crescent Lake NWR) (Sec 10-20N-45W, Garden County) | NP2-L0200 | A | ● | | A | | A | | ● |
| Boyd Pond (Crescent Lake NWR) (Sec 25-21N-45W, Garden County) | NP2-L0210 | A | ● | | A | | A | | ● |
| Lost Lake (Crescent Lake NWR) (Sec 12-21N-45W, Garden County) | NP2-L0220 | A | ● | | A | | A | | ● |
| Lower Harrison Lake (Crescent Lake NWR) (Sec 4-20N-45W, Garden County) | NP2-L0230 | A | ● | | A | | A | | ● |
| Upper Harrison Lake (Crescent Lake NWR) (Sec 34-21N-45W, Garden County) | NP2-L0240 | A | ● | | A | | A | | ● |
| Redhead Lake (Crescent Lake NWR) (Sec 27-21N-45W, Garden County) | NP2-L0250 | A | ● | | A | | A | | ● |
| Perrin Lake (Crescent Lake NWR) (Sec 27-21N-45W, Garden County) | NP2-L0260 | A | ● | | A | | A | | ● |
| Tree Claim Lake (Crescent Lake NWR) (Sec 23-21N-45W, Garden County) | NP2-L0270 | A | ● | | A | | A | | ● |
| Upper Tree Claim Lake (Crescent Lake NWR) (Sec 14-21N-45W, Garden County) | NP2-L0280 | A | ● | | A | | A | | ● |
| Smith Lake (Crescent Lake NWR) (Sec 15-21N-45W, Garden County) | NP2-L0290 | A | ● | | A | | A | | ● |
| Border Lake (Crescent Lake NWR) (Sec 15-21N-45W, Garden County) | NP2-L0300 | A | ● | | A | | A | | ● |
| Ramelli Lake (Crescent Lake NWR) (Sec 10-21N-45W, Garden County) | NP2-L0310 | A | ● | | A | | A | | ● |
| Martin Lake (Crescent Lake NWR) (Sec 3-21N-45W, Garden County) | NP2-L0320 | A | ● | | A | | A | | ● |

**RIVER BASIN:** North Platte

**Subbasin:** NP3

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | |
| **SUBBASIN NP3** | | | | | | | | | |
| Bridgeport Southeast Lake (SRA) (Sec 29-20N-50W, Morrill County) | NP3-L0010 | | ● | | A | | A | | ● |
| Bridgeport Northeast Lake (SRA) (Sec 29-20N-50W, Morrill County) | NP3-L0020 | | ● | | A | | A | | ● |
| Bridgeport Middle Lake (SRA) (Sec 29-20N-50W, Morrill County) | NP3-L0030 | | ● | | A | | A | | ● |
| Bridgeport Southwest Lake (SRA) (Sec 29-20N-50W, Morrill County) | NP3-L0040 | | ● | | A | | A | | ● |
| Bridgeport Northwest Lake (SRA) (Sec 29-20N-50W, Morrill County) | NP3-L0050 | | ● | B | | | A | | ● |
| Lake Minatare (North Platte NWR) (Sec 29-23N-53W, Scotts Bluff County) | NP3-L0060 | A | ● | | A | | A | | ● |
| Winters Creek Lake (North Platte NWR) (Sec 24-23N-54W, Scotts Bluff County) | NP3-L0070 | A | ● | | A | | A | | ● |
| Cochran Lake (Sec 26-21N-54W, Scotts Bluff County) | NP3-L0080 | | ● | | A | | A | | ● |
| Little Lake Alice (No. 2) (North Platte NWR) (Sec 15-23N-54W, Scotts Bluff County) | NP3-L0090 | A | ● | | A | | A | | ● |
| Buffalo Springs Lake (WMA) (Sec 19-20N-54W, Banner County) | NP3-L0100 | | ● | | A | | A | | |
| Lake Alice (North Platte NWR) (Sec 7-23N-54W, Scotts Bluff County) | NP3-L0110 | A | ● | | A | | A | | ● |
| Terry's Pit Lake (Sec 26-22N-55W, Scotts Bluff County) | NP3-L0120 | | ● | | A | | A | | ● |
| University Lake (Sec 29-24N-55W, Sioux County) | NP3-L0130 | | ● | | A | | A | | ● |

**RIVER BASIN:** Republican

**Subbasin:** RE1, RE2, and RE3

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS |
|---|---|---|---|---|---|---|---|---|---|
| **SUBBASIN RE1** | | | | | | | | | |
| Sacramento-Wilcox Lake No. 1 (WMA) (Sec 28-5N-17W, Phelps County) | RE1-L0010 | | ● | | A | | A | | ● |
| Sacramento-Wilcox Lake No. 2 (WMA) (Sec 28-5N-17W, Phelps County) | RE1-L0020 | | ● | | A | | A | | ● |
| Sacramento-Wilcox Lake No. 3 (WMA) (Sec 28-5N-17W, Phelps County) | RE1-L0030 | | ● | | A | | A | | ● |
| Holdrege Park Lake (Sec 33-6N-18W, Phelps County) | RE1-L0040 | | ● | | A | | A | | ● |
| Limestone Bluffs Lake (WMA) (Sec 34-1N-14W, Franklin County) | RE1-L0050 | | ● | | A | | A | | ● |
| **SUBBASIN RE2** | | | | | | | | | |
| Harlan County Reservoir (Sec 11-1N-17W, Harlan County) | RE2-L0010 | | ● | | A | | A | | ● |
| **SUBBASIN RE3** | | | | | | | | | |
| Harry Strunk Lake (Medicine Creek Reservoir) (Sec 24-5N-26W, Frontier County) | RE3-L0010 | | ● | | A | | A | | ● |
| Bartley Diversion Dam Lake (WMA) (Sec 17-3N-27W, Red Willow County) | RE3-L0020 | | ● | | A | | A | | ● |
| Hansen Memorial Reserve Lake (WMA) (Sec 29-9N-28W, Lincoln County) | RE3-L0030 | | ● | | A | | A | | ● |
| Red Willow Diversion Dam Lake (WMA) (Sec 25-4N-29W, Red Willow County) | RE3-L0040 | | ● | | A | | A | | ● |
| Barnett Park Lake (McCook) (Sec 32-3N-29W, Red Willow County) | RE3-L0050 | | ● | | A | | A | | ● |
| Hugh Butler Lake (Red Willow Reservoir) (Sec 36-5N-30W, Frontier County) | RE3-L0060 | | ● | | A | | A | | ● |
| Wellfleet Lake (Sec 16-9N-30W, Lincoln County) | RE3-L0070 | | ● | | A | | A | | ● |
| Hayes Center Lake (WMA) (Sec 11-7N-32W, Hayes County) | RE3-L0080 | | ● | | A | | A | | ● |
| Swanson Reservoir (Sec 8-2N-33W, Hitchcock County) | RE3-L0090 | | ● | | A | | A | | ● |
| Enders Reservoir (Sec 4-5N-37W, Chase County) | RE3-L0100 | | ● | | A | | A | | ● |
| Champion Mill Pond (SRA) (Sec 21-6N-39W, Chase County) | RE3-L0110 | | ● | | A | | A | | ● |
| Rock Creek Lake (SRA) (Sec 31-2N-39W, Dundy County) | RE3-L0120 | | ● | B | | | A | | ● |

**RIVER BASIN:** South Platte

**Subbasin:** SP1 and SP2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | AQUATIC LIFE | | WATER SUPPLY | | | |
| | | STATE RESOURCE WATER | RECREATION | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | AESTHETICS |
| **SUBBASIN SP1** | | | | | | | | | |
| Interstate Lake (North Platte) (Sec 9-13N-30W, Lincoln County) | SP1-L0010 | | ● | | A | | A | | ● |
| Lake Maloney (Sec 6-12N-30W, Lincoln County) | SP1-L0020 | | ● | | A | | A | ● | ● |
| Birdwood Lake (WMA) (Sec 11-13N-31W, Lincoln County) | SP1-L0030 | | ● | | A | | A | | ● |
| East Hershey Lake (WMA) (Sec 5-13N-31W, Lincoln County) | SP1-L0040 | | ● | | A | | A | | ● |
| Hershey Lake (WMA) (Sec 33-14N-32W, Lincoln County) | SP1-L0050 | | ● | | A | | A | | ● |
| West Hershey Lake (WMA) (Sec 32-14N-32W, Lincoln County) | SP1-L0060 | | ● | | A | | A | | ● |
| East Sutherland Lake (WMA) (Sec 36-14N-33W, Lincoln County) | SP1-L0070 | | ● | | A | | A | | ● |
| Sutherland Reservoir (Sec 7-13N-33W, Lincoln County) | SP1-L0080 | | ● | | A | | A | ● | ● |
| Ogallala City Park Lake (Sec 5-13N-38W, Keith County) | SP1-L0090 | | ● | | A | | A | | ● |
| Goldeneye Pond (WMA) (Sec 4-12N-42W, Deuel County) | SP1-L0100 | | ● | | A | | A | | ● |
| **SUBBASIN SP2** | | | | | | | | | |
| Chappell Interstate Lake (Sec 22-13N-45W, Deuel County) | SP2-L0010 | | ● | | A | | A | | ● |
| Bennett Reservoir (Sec 22-15N-55W, Kimball County) | SP2-L0020 | | ● | | A | | A | | ● |
| Oliver Reservoir (Sec 36-15N-57W, Kimball County) | SP2-L0030 | | ● | B | | | A | | ● |

**RIVER BASIN:** White River - Hat Creek

**Subbasin:** WH1

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION: STATE RESOURCE WATER | RECREATION | AQUATIC LIFE: COLDWATER | AQUATIC LIFE: WARMWATER | WATER SUPPLY: PUBLIC DRINKING WATER | WATER SUPPLY: AGRICULTURAL | WATER SUPPLY: INDUSTRIAL | AESTHETICS |
|---|---|---|---|---|---|---|---|---|---|
| **SUBBASIN WH1** | | | | | | | | | |
| Isham Lake (Sec 18-34N-46W, Sheridan County) | WH1-L0010 | | ● | | A | | A | | ● |
| Chadron City Reservoir South (Sec 18-32N-48W, Dawes County) | WH1-L0020 | | ● | B | | | A | | ● |
| Chadron City Reservoir North (Sec 18-32N-48W, Dawes County) | WH1-L0030 | | ● | B | | | A | | ● |
| Chadron State Park Pond (Sec 36-32N-49W, Dawes County) | WH1-L0040 | A | ● | B | | | A | | ● |
| Snus Lake (Sec 17-32N-50W, Dawes County) | WH1-L0050 | | ● | | A | | A | | ● |
| Whitney Reservoir (Sec 34-33N-51W, Dawes County) | WH1-L0060 | | ● | | A | | A | | ● |
| Dodd Dam Lake (Sec 36-31N-52W, Dawes County) | WH1-L0070 | | ● | B | | | A | | ● |
| Rock Bass Dam Lake (Sec 25-33N-52W, Dawes County) | WH1-L0080 | | ● | | A | | A | | ● |
| Lake Crawford (Ft. Robinson State Park) (Sec 15-31N-52W, Dawes County) | WH1-L0090 | A | ● | | A | | A | | ● |
| Cherry Creek Pond (Ft. Robinson State Park) (Sec 17-31N-52W, Dawes County) | WH1-L0100 | A | ● | B | | | A | | ● |
| Lower Ice House Pond (Ft. Robinson State Park) (Sec 19-31N-52W, Dawes County) | WH1-L0110 | A | ● | | A | | A | | ● |
| Ice House Diversion Pond (Ft. Robinson State Park) (Sec 19-31N-52W, Dawes County) | WH1-L0120 | A | ● | B | | | A | | ● |
| Upper Ice House Pond (Ft. Robinson State Park) (Sec 19-31N-52W, Dawes County) | WH1-L0130 | A | ● | | A | | A | | ● |
| Grabel Pond No. 1 (Ft. Robinson State Park) (Sec 16-31N-52W, Dawes County) | WH1-L0140 | A | ● | B | | | A | | ● |
| Grabel Pond No. 2 (Ft. Robinson State Park) (Sec 16-31N-52W, Dawes County) | WH1-L0150 | A | ● | B | | | A | | ● |
| Grabel Pond No. 3 (Ft. Robinson State Park) (Sec 16-31N-52W, Dawes County) | WH1-L0160 | A | ● | B | | | A | | ● |
| Grabel Pond No. 5 (Ft. Robinson State Park) (Sec 16-31N-52W, Dawes County) | WH1-L0170 | A | ● | B | | | A | | ● |
| Boardgate Pond (Sec 19-34N-52W, Dawes County) | WH1-L0180 | | ● | | A | | A | | ● |
| Crazy Horse Lake (Ft. Robinson State Park) (Sec 11-31N-53W, Sioux County) | WH1-L0190 | A | ● | | A | | A | | ● |

**RIVER BASIN:** White River - Hat Creek

**Subbasin:** WH1 and WH2

| LAKE NAME | LAKE NUMBER | USE CLASSIFICATION | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | STATE RESOURCE WATER | RECREATION | AQUATIC LIFE | | WATER SUPPLY | | | AESTHETICS |
| | | | | COLDWATER | WARMWATER | PUBLIC DRINKING WATER | AGRICULTURAL | INDUSTRIAL | |
| **SUBBASIN WH1 (Continued)** | | | | | | | | | |
| Lake Carter P. Johnson (Ft. Robinson State Park) (Sec 10-31N-53W, Sioux County) | WH1-L0200 | A | ● | B | | | A | | ● |
| Beaver Dam Pond (Sec 29-33N-53W, Sioux County) | WH1-L0210 | | ● | B | | | A | | ● |
| Round Top Pond (Sec 20-33N-53W, Sioux County) | WH1-L0220 | | ● | B | | | A | | ● |
| **SUBBASIN WH2** | | | | | | | | | |
| Lundy Pond (Sec 24-32N-56W, Sioux County) | WH2-L0010 | | ● | | A | | A | | ● |
| Agate Pond (Sec 1-34N-53W, Sioux County) | WH2-L0020 | | ● | | A | | A | | ● |
| Meng Lake (Sec 32-35N-53W, Sioux County) | WH2-L0030 | | ● | | A | | A | | ● |
| Gilbert-Baker Pond (WMA)(Sec 8-32N-56W, Sioux County) | WH2-L0040 | | ● | B | | | A | | ● |

Title 117

Chapter 6

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

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

APPROVED as to amendments
DON STENBERG
ATTORNEY GENERAL
DEC 22 1999
BY
Assistant Attorney General

APPROVED
FEB 02 2000
MIKE JOHANNS
GOVERNOR

FILED
FEB 02 2000
SECRETARY OF STATE

FILED

SECRETARY OF S

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 not be deemed applicable during periods when water is not present.

002.02 These standards shall 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 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 meet all applicable standards for the wetland.
No mixing zones shall be allowed within wetlands.

APPROVED as to amendments
DON STENBERG
ATTORNEY GENERAL
DEC 22 1999
BY .....
Assistant Attorney General

APPROVED
FEB 02 2000
MIKE JOHANNS
GOVERNOR

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 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 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 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 Water 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, un-ionized ammonia, 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 004.01E), shall be based on natural background values for traditional water quality parameters. However, these criteria shall 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, and 003.04B.

004.01B Biological Criteria

The biological integrity of wetlands shall 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 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 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.

| COMMON NAME | SCIENTIFIC NAME |
|---|---|
| Threatened Species: | |
| Western Prairie Fringed Orchid | *Platanthera praeclara* |
| Ute Lady Tresses | *Spiranthes diluvialis* |

004.01C Toxic Substances

Wetlands shall 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 not 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 not be exceeded. Unless otherwise noted, criteria are based on total concentrations.

| POLLUTANT | CRITERIA (ug/l) Acute | CRITERIA (ug/l) Chronic | CAS No.* |
|---|---|---|---|
| Pesticides: | | | |
| Acrolein | 68[a] | 21[b] | 107028 |
| Alachlor | 760[c] | 76[d] | 15972608 |
| Aldrin | 3.0[a] | 0.00136[b,e] | 309002 |
| Atrazine | 330[cc] | 12[d] | 1912249 |
| BHC[1] | 100[a] | 0.414[b,e] | 319868 |
| Alpha-BHC | (Reserved) | 0.131[b,e] | 319846 |
| Beta-BHC | (Reserved) | 0.46[b,e] | 319857 |
| Chlordane | 2.4[a] | 0.0043[b] | 57749 |
| Chlorpyrifos | 0.083[c] | 0.041[d] | 2921882 |
| DCPA[3] | (Reserved) | 14,300[d] | 1861321 |
| DDT[4] | 1.1[a] | 0.001[b] | 50293 |
| DDT metabolite (DDE) | 1050[a] | 0.0059[b,e] | 72559 |
| DDT metabolite (TDE, DDD) | 0.6[a] | 0.0084[b,e] | 72548 |
| Demeton | (Reserved) | 0.1[b] | 8065483 |
| Dieldrin | 0.24[a] | 0.00144[b,e] | 60571 |
| Dioxin[5] | < 0.01[a] | < 0.00000014[b,e] | 1746016 |
| Alpha-Endosulfan | 0.22[a] | 0.056[b] | 959988 |
| Beta-Endosulfan | 0.22[a] | 0.056[b] | 33213659 |
| Endosulfan sulfate | (Reserved) | 2,400[b,e] | 1031078 |
| Endrin | 0.086[a] | 0.036[b] | 72208 |

| POLLUTANT | CRITERIA (ug/l) Acute | CRITERIA (ug/l) Chronic | CAS No.* |
|---|---|---|---|
| Endrin aldehyde | (Reserved) | 8.1[b,e] | 7421934 |
| Guthion | (Reserved) | 0.01[b] | 86500 |
| Heptachlor | 0.52[a] | 0.00214[b,e] | 76448 |
| Heptachlor epoxide | 0.52[a] | 0.0011[b,e] | 1024573 |
| Isophorone | 117,000[a] | 26,000[b,e] | 78591 |
| Lindane[2] | 0.95[a] | 0.16[b] | 58899 |
| Malathion | (Reserved) | 0.1[b] | 121755 |
| Methoxychlor | (Reserved) | 0.03[b] | 72435 |
| Metolachlor | 390[c] | 100[d] | 51218452 |
| Metribuzin | (Reserved) | 100[d] | 21087649 |
| Mirex | (Reserved) | 0.001[d] | 2385855 |
| Parathion | 0.065[c] | 0.013[d] | 56382 |
| Pentachlorophenol | $e^{(1.005(pH)-4.869)}$ [c] | $e^{(1.005(pH)-5.134)}$ [d] | 87865 |
| Propachlor | (Reserved) | 8.0[d] | 1918167 |
| Toxaphene | 0.73[c] | 0.0002[d] | 8001352 |
| **Metals and Inorganics[6] :** | | | |
| Aluminum | 750[c] | 87[d] | 7429905 |
| Antimony | 88[c] | 30[d] | 7440360 |
| Arsenic | 340[c] | 16.7[b,e] | 7440382 |
| Beryllium | 130[a] | 5.3[d] | 7440417 |
| Cadmium[7] | $(ACF)e^{(1.128[\ln hardness]-1.6881)}$ [c] | $CCF)e^{(0.7852[\ln hardness]-1.2951)}$ [d] | 7440439 |
| Chromium (III) | $(0.316)e^{(0.819[\ln hardness]+3.7437)}$ [c] | $(0.860)e^{(.0819[\ln hardness]+1.561)}$ [d] | 16065831 |
| Chromium (VI) | 309.3[c] | 207.8[d] | 18540299 |
| Copper | $(0.960)e^{(0.9422[\ln hardness]-0.6289)}$ [c] | $(0.960)e^{(.08545[\ln hardness]-0.6305)}$ [d] | 7440508 |
| Cyanide | 41[c] | 10[d] | 57125 |
| Iron | (Reserved) | 1,000[b] | 7439896 |
| Lead[8] | $(CF)e^{(1.273[\ln hardness]-1.460)}$ [c] | $(CF)e^{(1.273[\ln hardness]-4.705)}$ [d] | 7439921 |
| Mangenese | (Reserved) | 1,000[b,e] | 7439965 |
| Mercury[9] | 8.76[c] | 0.012[d] | 7439976 |

| POLLUTANT | CRITERIA (ug/l) Acute | CRITERIA (ug/l) Chronic | CAS No.* |
|---|---|---|---|
| Nickel | $(0.998)e^{(0.846[\ln hardness]+4.0970)}$ [c] | $(0.997)e^{(0.846[\ln hardness]+1.9003)}$ [d] | 7440020 |
| Selenium[10] | 20[c] | 5.0[d] | 7782492 |
| Silver | $(0.85)e^{(1.72[\ln hardness]-6.52)}$ [c] | (Reserved) | 7440224 |
| Thallium | 1,400[a] | 40[b] | 7440280 |
| Zinc | $(0.978)e^{(0.8473[\ln hardness]+3.1217)}$ [c] | $(0.986)e^{(0.8473[\ln hardness]+3.0227)}$ [d] | 7440666 |
| **PCBs and Related Compounds:** | | | |
| PCBs | 2.0[a] | 0.0017[b,e] | 1336363 |
| Chlorinated Naphthalenes | 1,600[a] | 43,000[b,e] | ..... |
| **Halogenated Aliphatics:** | | | |
| Halomethanes | 11,000[a] | 157[b,e] | ..... |
| Bromoform | (Reserved) | 3,600[b,e] | 75252 |
| Methyl bromide | (Reserved) | 40,000[b,e] | 74839 |
| Chloroform | 28,900[a] | 1,240[b] | 67663 |
| Carbon tetrachloride | 35,200[a] | 44.2[b,e] | 56235 |
| Methylene chloride | (Reserved) | 16,000[b,e] | 75092 |
| 1,2-dichloroethane | 118,000[a] | 986[b,e] | 107062 |
| Hexachloroethane | 980[a] | 89.5[b,e] | 67721 |
| Pentachloroethane | 7,240[a] | 1,100[b] | 76017 |
| Trichlorinated ethanes | 18,000[a] | (Reserved) | 25323891 |
| 1,1,2-trichloroethane | (Reserved) | 419.9[b,e] | 79005 |
| Tetrachloroethanes | 9,320[a] | (Reserved) | 25322207 |
| 1,1,2,2-tetrachloroethane | (Reserved) | 110[b,e] | 79345 |
| Dichloroethylenes | 11,600[a] | (Reserved) | 25323303 |
| 1,1-dichloroethylene | (Reserved) | 32[b,e] | 75354 |
| 1,2-trans-dichloroethylene | (Reserved) | 1,400,000[b,e] | 156605 |
| Tetrachloroethylene | 5,280[a] | 88.5[b,e] | 127184 |
| Trichloroethylene | 45,000[a] | 810[b,e] | 79016 |
| Chlorodibromomethane | (Reserved) | 340[b,e] | 124481 |
| Dichlorobromomethane | (Reserved) | 460[b,e] | 75274 |

| POLLUTANT | CRITERIA (ug/l) Acute | Chronic | CAS No.* |
|---|---|---|---|
| Dichloropropane | 23,000[a] | 5,700[b] | 26638197 |
| 1,2-dichloropropane | (Reserved) | 390[b,e] | 78875 |
| Dichloropropene | 6,060[a] | 244[b] | 26952238 |
| 1,3-dichloropropylene | (Reserved) | 17,000[b,e] | 542756 |
| Hexachlorobutadiene | 90[a] | 9.3[b] | 87683 |
| Hexachlorocyclopentadiene | 7.0[a] | 5.2[b] | 77474 |
| Vinyl Chloride | (Reserved) | 5,250[b,e] | 75014 |
| Ethers: | | | |
| Bis(2-chloroethyl)ether | (Reserved) | 14[b,e] | 111444 |
| Bis(2-chloroisopropyl)ether | (Reserved) | 1,700,000[b,e] | 39638329 |
| Bis chloromethyl ether | (Reserved) | 0.0078[b,e] | 542881 |
| Chloroalkyl ethers | 238,000[a] | (Reserved) | ..... |
| Haloethers | 360[a] | 122[b] | ..... |
| Monocyclic Aromatics except Phenols, Cresols, and Phthalates: | | | |
| Benzene | 5,300[a] | 712.8[b,e] | 71432 |
| Chlorinated benzenes | 250[a] | 50[b] | ..... |
| Dichlorobenzenes | 1,120[a] | 763[b] | 25321226 |
| Ethylbenzene | 32,000[a] | 290,000[b,e] | 100414 |
| Hexachlorobenzene | 6.0[a] | 0.0077[b,e] | 118741 |
| Nitrobenzene | 27,000[a] | 19,000[b,e] | 98953 |
| Pentachlorobenzene | (Reserved) | 41[b,e] | 608935 |
| 1,2,4,5-tetrachlorobenzene | (Reserved) | 29[b,e] | 95943 |
| 1,2,4-trichlorobenzene | (Reserved) | 9,400[b,e] | 120821 |
| Toluene | 17,500[a] | 2,000,000[b,e] | 108883 |
| 2,4-dinitrotoluene | 330[a] | 91[b,e] | 121142 |
| Phenols and Cresols: | | | |
| Phenol | 10,200[a] | 2,560[b] | 108952 |
| 2-chlorophenol | 4,380[a] | 4,000[b,e] | 95578 |
| 3-methyl-4-chlorophenol | 30[a] | (Reserved) | 59507 |
| 2,4-dichlorophenol | 2,020[a] | 365[b] | 120832 |

| POLLUTANT | CRITERIA (ug/l) Acute | Chronic | CAS No.* |
|---|---|---|---|
| 2,4,5-trichlorophenol | 100[a] | 63[b] | 95954 |
| 2,4,6-trichlorophenol | (Reserved) | 65[b,e] | 88062 |
| Dinitrophenols | (Reserved) | 140,000[b,e] | 25550587 |
| Nitrophenols | 230[a] | 150[b] | ..... |
| 2-methyl-4,6-dinitrophenol | (Reserved) | 7,650[b,e] | 534521 |
| 2,4-dinitrophenol | (Reserved) | 140,000[b,e] | 51285 |
| 2,4-dimethylphenol | 2,120[a] | 23,000[b,e] | 105679 |
| **Phthalate Esters:** | | | |
| Phthalate esters | 940[a] | 3.0[b] | ..... |
| Butylbenzyl phthalate | (Reserved) | 52,000[b,e] | 85687 |
| Di-N-butyl phthalate | (Reserved) | 120,000[b,e] | 84742 |
| Diethyl phthalate | (Reserved) | 1,200,000[b,e] | 84662 |
| Di-2-ethylhexyl phthalate | 2,000[a] | 59.2[b,e] | 117817 |
| Dimethyl phthalate | (Reserved) | 29,000,000[b,e] | 131113 |
| **Polycyclic Aromatic Hydrocarbons (PAHs):** | | | |
| Acenaphthene | 1,700[a] | 520[b] | 83329 |
| Anthracene | (Reserved) | 1,100,000[b,e] | 120127 |
| Benzo(a)anthracene | (Reserved) | 0.49[b,e] | 56553 |
| Benzo(a)pyrene | (Reserved) | 0.49[b,e] | 50328 |
| Benzo(b)fluoranthene | (Reserved) | 0.49[b,e] | 205992 |
| Benzo(k)fluoranthene | (Reserved) | 0.49[b,e] | 207089 |
| Chrysene | (Reserved) | 0.49[b,e] | 218019 |
| Dibenzo(a,h)anthracene | (Reserved) | 0.49[b,e] | 53703 |
| Fluoranthene | 3,980[a] | 3,700[b,e] | 206440 |
| Fluorene | (Reserved) | 140,000[b,e] | 86737 |
| Ideno(1,2,3-cd)pyrene | (Reserved) | 0.49[b,e] | 193395 |
| Naphthalene | 2,300[a] | 620[b] | 91203 |
| 2-chloronaphthalene | 1,600[a] | 43,000[b,e] | 91587 |
| Phenanthrene | 30[a] | 6.3[b] | 85018 |
| Pyrene | (Reserved) | 110,000[b,e] | 129000 |

| POLLUTANT | CRITERIA (ug/l) Acute | CRITERIA (ug/l) Chronic | CAS No.* |
|---|---|---|---|
| Nitrosamines and other Nitrogen-containing Compounds: | | | |
| Nitrosamines | 5,850[a] | 12.4[b,e] | 35576911 |
| Benzidine | 2,500[a] | 0.00535[b,e] | 92875 |
| 3,3-dichlorobenzidine | (Reserved) | 0.77[b,e] | 91941 |
| 1,2-diphenylhydrazine | 270[a] | 5.4[b,e] | 122667 |
| Acrylonitrile | 7,550[a] | 6.65[b,e] | 107131 |
| N-nitrosodibutylamine | (Reserved) | 5.87[b,e] | 924163 |
| N-nitrosodiethylamine | (Reserved) | 12.4[b,e] | 55185 |
| N-nitrosodimethylamine | (Reserved) | 81[b,e] | 62759 |
| N-nitrosodiphenylamine | (Reserved) | 160[b,e] | 86306 |
| N-nitrosodi-N-propylamine | (Reserved) | 14.0[b,e] | 621647 |
| N-nitrosopyrrolidine | (Reserved) | 919[b,e] | 930552 |

[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

[1] Benzene hexachloride or hexachlorocyclohexane
[2] Gamma-BHC
[3] Dimethyl tetrachloroterephthalate
[4] Dichlorodiphenyltrichloroethane
[5] 2,3,7,8-tetrachloro-dibenzo-p-dioxin or 2,3,7,8-TCDD
[6] Criteria for metals and inorganics apply to dissolved concentrations
[7] The conversion factors for cadmium are hardness dependent and defined by:

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

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

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

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

[9] Chronic criterion for mercury applies to total recoverable concentrations
[10] Criteria for selenium apply to total recoverable concentrations

004.01D Petroleum Oil.

Not to exceed 10 mg/l.

004.01E Residual Chlorine

004.01E1 One-hour average concentration not to exceed 39 ug/l.

004.01E2 Four-day average concentration not to exceed 23 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 species. The following list defines the wildlife species considered by the Department to be key species.

| COMMON NAME | SCIENTIFIC NAME |
|---|---|
| Endangered Species: | |
| Bald Eagle | *Haliaeetus leucocephalus* |
| Peregrine Falcon | *Falco peregrinus* |
| Eskimo Curlew | *Numenius borealis* |
| Whooping Crane | *Grus americana* |
| Interior Least Tern | *Sterna antillarum athalassos* |
| River Otter | *Lutra canadensis* |
| American Burying Beetle | *Nicrophorus americanus* |
| Threatened Species: | |
| Piping Plover | *Charadrius melodus* |

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 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 be based on the natural background condition.

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SECRETARY OF STATE

Title 117

Chapter 7

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/l.

004.03D Selenium.

Not to exceed 0.02mg/l.

004.04 Aesthetics.

This use applies to all wetlands of the state. To be aesthetically acceptable, wetlands shall 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 also be free of junk, refuse, and discarded dead animals.

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

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

APPROVED as to amendments
DON STENBERG
ATTORNEY GENERAL
DEC 22 1999
BY [signature]
Assistant Attorney General

APPROVED
FEB 0 2 2000
[signature]
MIKE JOHANNS
GOVERNOR

FILED

FEB -2 2000

SECRETARY OF STATE

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

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Water Resources Protection Br.

# ANTIDEGRADATION IMPLEMENTATION PROCEDURES

for

# TITLE 117: NEBRASKA SURFACE WATER QUALITY STANDARDS

NEBRASKA DEPARTMENT OF ENVIRONMENTAL QUALITY

JUNE 1994

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# SURFACE WATER QUALITY STANDARDS
# ANTIDEGRADATION IMPLEMENTATION PROCEDURES

## BACKGROUND

EPA's water quality standards regulation requires each State to adopt an antidegradation policy and specifies the minimum requirements for such a policy (40 CFR § 131.12). The policy is a basic regulatory component of a State's water quality program which strives to attain the objective of the Clean Water Act (Section 101(a)) which states in part:

> ...to restore and maintain the chemical, physical, and biological integrity of the Nations's waters.

The purpose of an antidegradation policy is to limit activities or discharges such that they will not significantly affect water quality and not threaten or impair beneficial uses of surface waters. The policy provides a "base" level of protection consistent with adopted water quality criteria and higher levels of protection for identified waterbodies which are either of high quality or resources of special value.

The federal antidegradation policy guidance presents a three tiered approach to maintaining and protecting various levels of water quality and uses.

1. The first tier provides a "floor" which protects all existing uses. The level of water quality necessary to protect those uses must be maintained and protected. Any actions that would lower water quality below that necessary to protect uses, especially where water quality is already limited, are prohibited.

2. The second tier provides protection for high quality waters whose water quality is better than criteria associated with assigned uses. Limited water quality degradation is allowed in high quality waters if the degradation is necessary to accommodate important economic or social development, but only if beneficial uses are still fully protected, and only after extensive public involvement.

3. The third tier provides special protection for outstanding resource waters, such as Wild and Scenic Rivers, National and State Park, wildlife refuges, and other waters of exceptional recreational or ecological significance. Although limited activities that may cause temporary or short-term water quality disturbance are allowed, any actions that would permanently lower water quality in these waters are prohibited.

The federal requirements of 40 CFR § 131.12 are contained in Appendix A along with EPA's explanation of the policy and questions about antidegradation.

Nebraska's antidegradation policy is contained in Chapter 3 of Title 117 - Nebraska Surface Water Quality Standards. This Antidegradation Clause states:

> 001 The water quality of surface waters, consistent with uses applied in these Standards, shall be maintained and protected. Water quality degradation which would adversely affect existing uses will not be allowed.
>
> 002 State Resource Waters - Class A - These are surface waters, whether or not they are designated in these Standards, which constitute an outstanding State or National resource, such as waters within national or state parks, national forests or wildlife refuges, and waters of exceptional recreational or ecological significance. Waters which provide a unique habitat for federally designated endangered or threatened species and rivers designated under the Wild and Scenic Rivers Act are also included. The existing quality of these surface waters shall be maintained and protected.
>
> 003 State Resource Waters - Class B - These are surface waters, whether or not they are designated in these Standards, which possess an existing quality which exceeds levels necessary to maintain recreational and/or aquatic life uses. The existing water quality of these surface waters shall be maintained and protected. However, the State may choose, in accordance with Neb. Rev. Stat. § 81-1513, to allow lower water quality as a result of important and necessary economic or social development in the area. There shall be achieved the highest statutory and regulatory requirements for all new and existing point sources and all cost-effective and reasonable best management practices for nonpoint source control. In cases where potential water quality impairment associated with a thermal discharge is involved, the method of implementation of this antidegradation policy shall be consistent with Section 316 of the Clean Water Act.
>
> 004 In implementing this policy, the Department will follow the procedures outlined in the State's Continuing Planning Process.

Nebraska's antidegradation policy is consistent with the direction provided by EPA in its water quality standards regulations. Paragraph 001 is aligned with EPA's first tier to provide the "base level" of water quality protection. Paragraph 003 provides the protection to "high quality waters" required by EPA's second tier. Although EPA does not recognize Nebraska as having a true "tier 3" level of protection because Nebraska's policy does not use the term "Outstanding National Resource Waters" (ONRW), paragraph 002 provides this level of protection to waters meeting the criteria of what EPA considers ONRW.

Procedures for implementing the policy are to be contained in the State's Continuing Planning Process as stated in paragraph 004. This document is to be incorporated into the State's Continuing Planning Process as the section dealing with Antidegradation Policy Implementation.

## DEFINITIONS

"Degradation" and "Water Pollution" are equivalent terms as used in the context of this antidegradation policy and are defined as a human-induced, measurable change in the existing chemical, physical, biological, or radiological characteristics of a waterbody that results in the statistically significant lowering of water quality.

"Existing quality" in the context of the antidegradation policy shall be determined by monitoring appropriate parameters which measure the chemical, physical, biological, and radiological characteristics of a waterbody. This monitoring should attempt to collect enough data to insure a level of statistical confidence in its results.

"Maintaining and protecting existing quality" in the context of the antidegradation policy means that no permanent statistically significant lowering of water quality, as measured by changes in chemical, physical, biological, or radiological characteristics of a waterbody, will be allowed.

## CLASSIFICATION OF SURFACE WATERS

Title 117 has classified surface waters based on the tier of antidegradation which is applicable. Waterbodies listed as "Class B State Resource Waters" are subject to tier 2 or paragraph 003 of the antidegradation policy. Waterbodies listed as "Class A State Resource Waters" are subject to tier 3 or paragraph 002 of the antidegradation policy. Although every attempt has been made to identify "State Resource Waters", waterbodies not identified should be assessed periodically to determine if they qualify as such. Criteria used to determine whether a waterbody should be classified as a "State Resource Water" are presented in Appendix B.

When the antidegradation policy is consulted for a waterbody not listed as "State Resource Waters", an cursory assessment should be made to reaffirm that it does not qualify as such. If it is determined that the waterbody does qualify, it will be treated as a "State Resource Water" despite the fact that Title 117 does not identify it as being one. Title 117 will be amended to include the correct classification at the next opportunity for revision. If the waterbody does not qualify as a "State Resource Water", tier 1 or paragraph 001 of the antidegradation policy will be followed.

## APPLICATION OF POLICY

Water quality programs which are affected by the antidegradation policy involve both regulatory and nonregulatory activities involving point and nonpoint sources of pollution. These programs include the NPDES Permit Program under § 402 of the Clean Water Act, the Water Quality Certification Program under § 401 of the Clean Water Act, the Clean Lakes Program under § 314 of the Clean Water Act, and the Nonpoint Source Program under § 319 of the Clean Water Act. The antidegradation policy is to be considered when actions are taken by these programs which would involve either allowing activities that could degrade water quality or implementing measures to improve or protect water quality. It should be emphasized that this policy is only to involve human-induced activities which impact water quality through the discharge or control of pollutants. Projects involving only surface water appropriations or water quantity are not to be considered under the antidegradation policy.

When applied to regulatory programs, the antidegradation policy will focus on the regulated activity's impacts to water quality from both singular and cumulative impacts perspective. When applied to nonregulatory programs, the antidegradation policy will be used to define high priority areas for projects such as nonpoint source controls or Clean Lakes projects. When nonregulatory priorities are made, the focus should favor "State Resource Waters" and waterbodies which are not supporting assigned beneficial uses.

### Basic Steps of Implementing the Policy

The following steps should be followed in implementing the antidegradation policy in programs conducted by the Department.

1. Determine the appropriate classification of the waterbody in question (i.e. tier 1 waterbody, Class A State Resource Water, or Class B State Resource Water).

   A. If the waterbody is tier 1 (not a State Resource Water), program specific actions will be based on assigned beneficial uses and associated water quality criteria to protect those uses (e.g. water quality based NPDES permits via the Standards to Permit Process). Documentation of tier 1 status should be provided in an activity's file when regulatory programs are involved. The intent of the antidegradation policy is met and implementation of the policy is completed for the activity.

   B. If the waterbody is a State Resource Water (Class A or B), proceed to step 2.

2. Determine if the activity has the potential to lower water quality of the State Resource Water. The aspects of existing water quality which may be affected in the waterbody must be established and documented.

A. If no significant (statistical or otherwise) lowering of water quality can be determined, the intent of the antidegradation policy is met and implementation of the policy is completed for the activity. Short-term degradation may be allowed if existing uses are not adversely affected. Documentation of the lack of impacts to water quality should be provided in an activity's file when regulatory programs are involved.

B. If a significant lowering of water quality is determined, further analysis is needed. Proceed to step 3.

3. Determine whether the waterbody is classified as a Class A State Resource Water or Class B State Resource Water.

A. If the waterbody is classified as a Class A State Resource Water, no permanent degradation can be allowed and existing water quality, as determined in step 2, must be maintained and protected. Measures must be taken to implement controls to prevent permanent degradation or an activity must be denied authorization to occur. Short-term degradation may be allowed if existing uses are not adversely affected. Documentation of measures needed to maintain and protect existing water quality, and actions within the jurisdiction of the Department to do so, must be included in an activity's file.

B. If the waterbody is classified as a Class B State Resource Water, it must be determined if the activity will lower water quality below criteria associated with assigned beneficial uses.

i. If assigned water quality criteria would be violated, the activity must be denied authorization to occur as planned. Documentation of measures needed to maintain and protect existing water quality, and actions within the jurisdiction of the Department to do so, must be included in an activity's file. If the activity is redesigned to insure that water quality criteria associated with assigned beneficial uses are not violated, proceed to step 3.B.ii.

a) If the violated water quality criteria are more stringent than necessary to support the assigned beneficial use, the permit or project applicant may petition for site-specific water quality criteria pursuant to Chapter 4 of Title 117 - Nebraska Surface Water Quality Standards. This petition is the responsibility of the applicant and is done outside of the antidegradation policy. If site-specific water quality criteria are adopted, antidegradation review would continue with the steps outlined in Step 4.

ii. If assigned water quality criteria would not be violated, a review of social and economic impacts that would occur with or without the activity must be conducted. This review will only be done at the request of the permit or project

applicant and the costs of preparing the review documents are the applicant's responsibility. Guidelines for such a review can be found in "Economic Guidance for Water Quality Standards Workbook (draft)" (U.S. EPA, Office of Water; 1993). Proceed to step 4.

a) Without this review, no degradation can be allowed and existing water quality, as determined in step 2, must be maintained and protected. Measures must be taken to implement controls to prevent degradation or the activity must be denied authorization to occur. Documentation of measures needed to maintain and protect existing water quality, and actions within the jurisdiction of the Department to do so, must be included in an activity's file.

4. Determine the social and economic impacts that would occur as a result of allowing the activity to degrade water quality and those that would result if the activity was denied authorization to degrade water quality. Because this step will lead to a decision which is not based solely on water quality considerations, the results of this step must be put before the public for their input and assistance in making the decision on whether to allow the degradation. Public notice of the action and an opportunity for public hearing is required. All public comment will be considered in determining whether degradation is justified.

A. If water quality degradation cannot be justified based on the review of social and economic impacts, no degradation can be allowed and existing water quality, as determined in step 2, must be maintained and protected. Measures must be taken to implement controls to prevent degradation or an activity must be denied authorization to occur. Documentation of measures needed to maintain and protect existing water quality, and actions within the jurisdiction of the Department to do so, must be included in an activity's file.

B. If water quality degradation is justified based on the review of social and economic impacts, the following actions must be taken:

i. The water quality degradation may not be allowed to violate criteria associated with assigned beneficial uses.

ii. The water quality degradation must be minimized to the extent practicable.

iii. Documentation of:

a) the decision resulting from the social and economic impacts review,
b) the amount of degradation allowed to occur,
c) measures needed to minimize the allowed degradation,

d) and actions within the jurisdiction of the Department to do so. must be included in an activity's file.

## SOCIAL AND ECONOMIC IMPACTS REVIEW

The burden of preparing a document that details the social and economic impacts associated with an activity that would degrade the water quality of a Class B State Resource Water must be assumed by the sponsor of the activity. The Department will be responsible for reviewing this document and may solicit independent experts in determining its validity. Guidance for the preparation and review of the necessary information can be found in "Economic Guidance for Water Quality Standards Workbook (draft)" (U.S. EPA, Office of Water; 1993).

Once the validity of the social and economic impacts have been determined, the Department will conduct a public interest review of the activity to assist in making the decision on whether to allow water quality degradation. This public interest component will involve a public hearing in the vicinity of the proposed activity as well as solicitation of written public comments regarding the activity. The issue to be decided in this process is not whether the activity will cause water quality degradation, but whether the public's interest is served by allowing the degradation to occur.

There are many factors which should be considered in the decision of whether an activity which would degrade water quality is necessary, justifiable, and economically or socially important enough to be allowed. However, no one set of factors can apply to every situation because of varying environmental, social, and economic conditions throughout the state. Site-specific decisions should be made based on evidence presented by the activity's sponsor and the public. The benefits of the project must be weighed against the costs to the community and the environment.

The following guidance should be followed in the decision making process to demonstrate important social and economic considerations.

1. The sponsor of the activity must demonstrate that the lowering of water quality is necessary because maintaining existing quality is not practicable. This may be because the activity involves a new discharge, because of community growth, or because a no-discharge option is not feasible.

2. The sponsor of the activity must describe and analyze the current state of economic and social development in the affected area to identify "baseline" conditions. The area's dependence on the waterbody affected by the proposed activity should also be included, so that it can be determined if the lowering of water quality is in the public interest. The following factors should be included in the baseline analysis:

- Population

- Area employment
- Area indirect or direct income, and/or community tax base

3. The sponsor of the activity must demonstrate the extent to which the proposed decrease in water quality would create an increase in the rate of economic or social development, and specifically why the water quality change is necessary to achieve such development. Factors to be included in the analysis of incremental effects to result from the water quality degradation include:

- Expected employment growth
- Expected income effects
- Increases in the community tax base

The requirements for a given analysis will be site-specific, depending on factors such as data availability, conditions specific to the affected waterbody, and the boundaries of the affected area (local, city, county, or state-wide). The relative costs of all the treatment alternatives, or implementation of best management practices should also be included. In the case where precise or detailed social or economic information is not available, professional judgement must be exercised in accepting demonstrations based on reasonable estimates derived from existing data sources.

If this information is provided, then an opportunity for public comment must follow, with a review and a decision made by the Department. Incorporating this public participation component into the decision making process is an essential element of the antidegradation implementation procedures when degradation of a Class B State Resource Water is proposed. Potential participants must be explicitly aware of the antidegradation policy issues and the potential impact of lowering water quality. The public participation requirement will be met by holding one or more public hearings in the area affected by the proposed degradation.

A public notice related to the potential lowering of water quality should address the following topics:

- A description of the antidegradation policy.
- Specific identification of substances that may enter the waterbody, and known and suspected environmental effects.
- A determination that uses will be maintained and protected.
- A description of the current water quality and the level that it exceeds criteria associated with assigned beneficial uses.
- A description of the impact that the proposed activity will have on water quality.

- A summary of other actions that have lowered water quality and a determination of cumulative impacts.
- A determination that important social and economic development will be impacted if lowered water quality is not allowed.
- A determination that there has been achieved the highest statutory and regulatory requirements for all new and existing point sources, and all cost-effective and reasonable best management practices for nonpoint sources.

These topics will be the basis for discussion and testimony at the public hearings. Any verbal or written testimony relating to the public interest of allowing or prohibiting the proposed degradation will be allowed into the record and be used by the Department in making a final decision.

## DATA REQUIREMENTS

In order to establish "baseline" conditions for classified State Resource Waters and to review whether non-State Resource Waters should be classified as Class B State Resource Waters, periodic monitoring should be conducted to establish a statistically sound database from which valid decisions can be made. Much data have been collected for State Resource Waters (Appendix C). However, these data should be supplemented to increase the statistical reliability of the database.

Monitoring should follow the Department's Surface Water Quality Monitoring Strategy and include biological metrics as well as traditional chemical and physical parameters. Priorities for acquiring data for use in implementing the antidegradation policy should be as follows:

1. Data acquisition (especially biological) for streams designated as "State Resource Waters". While a large amount of data exists, much of it is old and the amount of data would not produce very tight statistical confidence intervals. Ideally, water quality data should be obtained which can document parameter levels that occur at different flow regimes for a given waterbody (e.g. 10th, 25th, 50th, 75th, 90th percentile flow). The rationale for making these waterbodies highest on the list for data acquisition is that they are most likely to be involved in antidegradation issues where existing quality needs to be known (discharges are prohibited into lakes).

2. Data acquisition for wetlands. Because the Department has no water quality database for wetlands, it is important to establish a monitoring effort to gather information for use in antidegradation issues. Data from all types of wetlands (tier 1 wetlands and "State Resource Waters") need to be gathered because many water quality criteria are based on natural background conditions (existing quality). Their high priority for data acquisition is based on the lack of data for these waterbodies.

3. Data acquisition for streams suspected to be candidates for Class B State Resource Water designation. These waterbodies should be periodically reviewed for this designation. Their priority for data acquisition is based on the belief that, if they qualify as Class B State Resource Waters, they are more likely to be involved in antidegradation issues where existing quality needs to be known.

4. Data acquisition for lakes designated as "State Resource Waters". While the Department has only a limited database of water quality information for SRW lakes, these waterbodies should not receive extra consideration for monitoring based on the antidegradation policy. This is because point source discharges are mostly prohibited into lakes and because SRW lakes which could be involved in §314 or §319 projects are scheduled into the ambient lakes monitoring program. Data acquired from existing lake monitoring programs should be compiled to determine the existing quality of these waterbodies.

## PROGRAM SPECIFIC EXAMPLES

The following examples are meant to be a guide of how antidegradation policy is implemented. The examples are not totally inclusive and other scenarios exist.

§ 402 NPDES Permits

If a waterbody is not a "State Resource Water" (Class A or B), the extent of antidegradation implementation is to calculate water quality based permit limits using water quality criteria associated with assigned beneficial uses. If such water quality based limits are more restrictive than technology based limits, they are to be incorporated as a permit requirement.

If a waterbody is designated a Class A State Resource Water, antidegradation will require either 1) water quality based permit limits using existing water quality as determined from monitoring of the waterbody, or 2) alternative means of disposing the wastewater in order to achieve no discharge.

If a waterbody is designated a Class B State Resource Water, antidegradation will require either 1) water quality based permit limits using existing water quality as determined from monitoring of the waterbody, 2) alternative means of disposing the wastewater in order to achieve no discharge, or 3) if the first two options would cause adverse social or economic impacts to the area around the proposed discharge, water quality based effluent limits less restrictive than those of option 1, but no less restrictive than those that would result from using assigned water quality criteria, may be justified using the process described in the section on Social and Economic Impacts Review.

§ 401 Water Quality Certification

If a waterbody is not a "State Resource Water" (Class A or B) and the waterbody is not fully supporting assigned beneficial uses, the certification will consider the reasons for non-attainment. If future full support of beneficial uses would be impaired by impacts from the proposed activity (e.g. channelization), the certification will be conditioned or denied to remove the obstacle to full support from the proposed project.

If a waterbody is not a "State Resource Water" and assigned beneficial uses are fully supported, the certification will consider impacts from the proposed activity which would potentially impair beneficial uses. The certification will be conditioned or denied to insure that full support of assigned beneficial uses continues.

If a waterbody is designated a Class A State Resource Water, antidegradation requires that existing water quality be maintained and protected. No generic certifications for

Nationwide § 404 will be issued. All certifications must go through a public interest review involving a public notice of the activity. Temporary water quality impacts may be allowed but no long-term or permanent lowering of water quality will be allowed. Review of an activity's impacts will follow EPA's § 404(b)(1) Guidelines to determine if adverse impacts to the waterbody's chemical, physical, or biological integrity will occur. If adverse impacts are identified, the certification will be conditioned or denied to insure that existing water quality is maintained and protected.

If a waterbody is designated a Class B State Resource Water, antidegradation will require that the activity be reviewed following EPA's § 404(b)(1) Guidelines to determine if adverse impacts to the waterbody's chemical, physical, or biological integrity will occur. When adverse impacts are identified, either 1) the certification must be conditioned or denied to insure that existing water quality is maintained and protected or 2) if conditions or a denial to maintain and protect existing water quality would cause adverse social or economic impacts to the area around the proposed activity, conditions less restrictive than those of option 1, but no less restrictive than those that would result from protecting the assigned beneficial uses, may be justified using the process described in the section on Social and Economic Impacts Review.

§ 314 Clean Lakes and § 319 Nonpoint Source Projects

The role of antidegradation policy in these programs is one of focusing priorities. Waterbodies not designated "State Resource Waters" will be considered for projects based on an assessment of beneficial use impairment. However, "State Resource Waters" will be considered for projects based on assessments which indicate whether existing water quality has been lowered in addition to any use impairment. Thus, "State Resource Waters" should be given extra consideration for projects if they are experiencing water quality degradation. For "State Resource Waters" these projects should be designed to eliminate the cause of water quality degradation by achieving all cost-effective and reasonable best management practices for nonpoint source control.

# APPENDIX A

## FEDERAL REQUIREMENTS AND EXPLANATION OF ANTIDEGRADATION

This appendix consists of the U.S. Environmental Protection Agency document entitled "Questions & Answers on: Antidegradation". This document was published in August, 1985 by the Office of Water, Regulations and Standards, Washington, DC and serves as Appendix A to Chapter 2 of EPA's Water Quality Standards Handbook.

# APPENDIX B

## CRITERIA FOR CLASSIFICATION OF STATE RESOURCE WATERS

State Resource Waters are classified based on criteria utilized during the Use Attainability Analysis (UAA) procedures applied to all surface waters. A drop-out chart depicting the characteristics which qualifies a waterbody as a State Resource Water is presented in Figure B-1.

A waterbody qualifies as a State Resource Water - Class A if it has exceptional recreational or ecological significance. Exceptional recreational or ecological significance currently means the waterbody occurs totally within a National Park, a federally designated wilderness area, a National Wildlife Refuge, a National Forest, a State Park, or is a component of a federally designated Wild, Scenic, or Recreational River. If a waterbody provides critical habitat for a federally designated endangered or threatened aquatic species, it qualifies as having exceptional ecological significance. It should be noted that for a waterbody (stream segment, lake, or wetland) to qualify as a State Resource Water - Class A based on a geographic association with parks, wilderness, forest, or refuge, it must be totally contained within the boundaries of the associated area.

A waterbody qualifies as a State Resource Water - Class B if it has water quality which exceeds levels necessary to protect assigned beneficial uses. Currently, this is defined as meeting all of the following criteria:

1. 90 percent or more of the fecal coliform samples were less than or equal to 400 colonies/100 ml.

2. 95 percent or more of the pH values ranged from 6.5 to 9.0 standard units.

3. 95 percent or more of the un-ionized ammonia values were less than or equal to 0.06 mg/l as N.

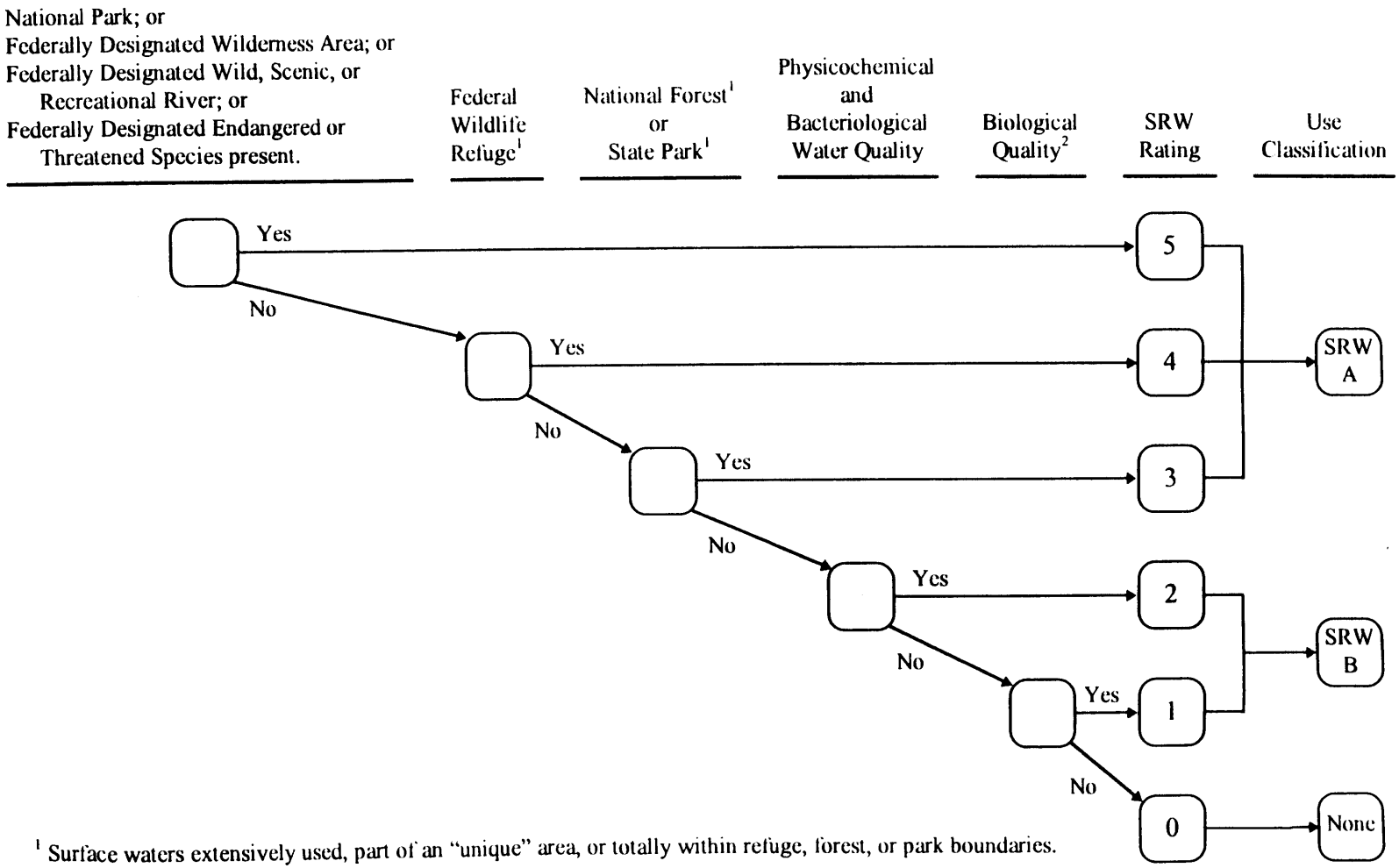
4. 90 percent or more of the dissolved oxygen values were greater than 8.0 mg/l.

5. 90 percent or more of the suspended solids values were less than 100 mg/l.

6. 90 percent or more of the turbidity values were less than 50 JTU.

For a waterbody to be considered using the above criteria, a minimum of 30 observations for these parameters was required over a recent two year sample period. High quality based on biological parameters will be defined in the future utilizing biotic indices.

STATE RESOURCE WATERS




[1] Surface waters extensively used, part of an "unique" area, or totally within refuge, forest, or park boundaries.

[2] Based on biotic index of macroinvertebrates and fish communities.

Figure B-1. Drop-out chart depicting characteristics of State Resource Waters.

# APPENDIX C

## EXISTING WATER QUALITY OF STATE RESOURCE WATERS

This appendix contains computer printouts that summarize existing water quality for Class A and Class B State Resource Waters. These summaries are based on available data and will be updated periodically as new data become available. The date on the header of this page will indicate the last update of these summaries.