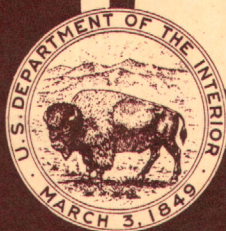
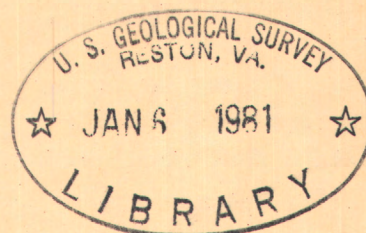


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Water Resources Data for Nebraska

Part 2. Water Quality Records



**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

Prepared in cooperation with the Conservation and Survey Division of the University of Nebraska, the Nebraska Natural Resources Commission, the Nebraska Department of Water Resources, and with other State and Federal agencies.

CALENDAR FOR WATER YEAR 1973

1972

OCTOBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
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31						

1973

JANUARY

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JULY

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AUGUST

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SEPTEMBER

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23	24	25	26	27	28	29
30						

1973

Water Resources Data for Nebraska

Part 2. Water Quality Records



**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

**Prepared in cooperation with the Conservation and Survey Division of
the University of Nebraska, the Nebraska Natural Resources Commission,
the Nebraska Department of Water Resources, and with other State and
Federal agencies**

Prepared in cooperation with
Conservation and Survey Division, University of Nebraska
Nebraska Department of Water Resources
Nebraska Natural Resources Commission
Lower Platte South Natural Resources District
Nebraska Game and Parks Commission
Bureau of Reclamation, U.S. Department of the Interior
U.S. Environmental Protection Agency

Water resources records, 1973, for Nebraska are in the following reports of the U.S. Geological Survey:

1. Water Resources Data for Nebraska
Part 1. Surface Water Records
2. Water Resources Data for Nebraska
Part 2. Water Quality Records

Copies of this report may be obtained from
District Chief, Water Resources Division
U.S. Geological Survey
Federal Building U.S. Courthouse
100 Centennial Mall North
Lincoln, Nebraska 68508

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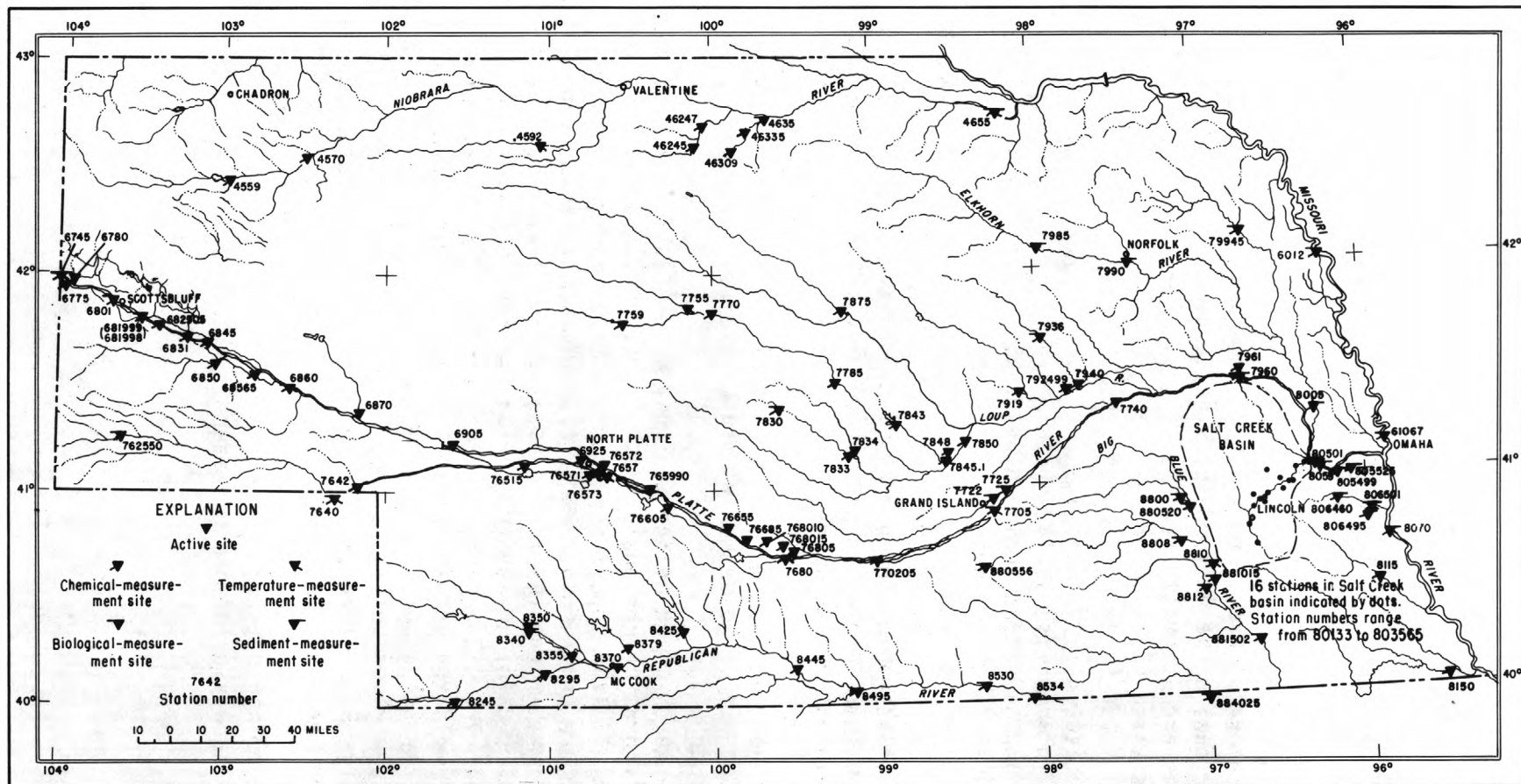


Figure 1.--Map showing locations of surface water-quality stations in Nebraska, 1973 water year.

WATER RESOURCES DATA FOR NEBRASKA, 1973

Part 2. Water Quality Records

INTRODUCTION

The quality-of-water investigations of the U.S. Geological Survey are concerned with the chemical and physical characteristics of surface- and ground-water supplies of the Nation. The basic records for the 1973 water year for quality of water in Nebraska are given in this report. For convenience and interest, records for a few water quality stations in bordering states are included.

The Geological Survey began publishing annual basic records of the quality of surface waters, including data on chemical quality, water temperatures, and suspended sediment, in 1941 in the water-supply paper series, "Quality of Surface Waters of the United States." The records prior to 1948 were published each year in a single volume for the entire country and in two volumes in 1948 and 1949. Beginning in 1950, the records were published in four volumes and beginning in 1959 in five volumes; each volume covered an area where boundaries coincided with those of certain natural drainage areas. The records for Nebraska are contained in Parts 5 and 6 of the water-supply series. These publications are available in most major public libraries. (See Water-Supply Papers, p. 19.)

The Nebraska District of the Geological Survey began to publish annual basic records of the quality of water in Nebraska in the present format in 1964. In the report for that year, records are given on the quality of surface water only. However, beginning with the report for 1965, records on the quality of ground water are given also. So that records for years prior to 1965 might also be readily available, they were included in the 1965, 1966, or 1967 reports. The number of chemical analyses published in each of the reports for each county is given in table 1.

This report is intended chiefly for local distribution to those having immediate need for the records. The records pertaining to surface water will continue to be published for wider distribution in Geological Survey water-supply papers.

COOPERATION

The records in this report were obtained under the supervision of K. A. Mac Kichan, district chief, Nebraska District, Water Resources Division, U.S. Geological Survey. Many of them were obtained at the request of other federal agencies as a part of the program of the U.S. Department of the Interior for development of the Missouri River basin or as a part of national studies of the Geological Survey. Funds for collection of records at several stations were provided by the U.S. Environmental Protection Agency.

Most of the records were obtained as parts of the cooperative programs with the following:

Conservation and Survey Division, University of Nebraska, V. H. Dreeszen, director.

Nebraska Department of Water Resources, D. S. Jones, Jr., director.
Nebraska Natural Resources Commission, Dayle E. Williamson, executive secretary.

Lower Platte South Natural Resources District, H. L. Schroeder, general manager.

Nebraska Game and Parks Commission, W. R. Barbee, director.

DEFINITION OF TERMS

Terms and abbreviations are defined as follows:

Acre-foot (ac-ft, AC-FT) is a quantity of water required to cover 1 acre to a depth of 1 foot and is equal to 43,560 cubic feet or 325,851 gallons.

Bed material is the shifting portion of fragmented alluvial material of which the streambed is composed.

Biochemical oxygen demand (BOD) is a measure of the oxygen required by microorganisms in stabilizing decomposable organic matter under aerobic conditions.

CFS-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It equals 86,400 cubic feet, 1.983471 acre-feet, or 646,317 gallons.

Chemical oxygen demand (COD) indicates the quantity of oxidizable compounds present in a water. It varies with water composition, concentration of reagent, temperature, period of contact, and other factors.

Coliform organisms are a group of bacteria used as an indicator of the sanitary quality of the water. The number of coliform colonies per 100 milliliters was determined by the membrane filter method with immediate incubation in a portable incubator.

Cubic foot per second (cfs,CFS) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to 7.48 gallons per second or 448.8 gallons per minute.

Discharge is the volume of water (or more broadly, total fluids) that passes a given point within a given period of time.

Daily mean discharge is the mean discharge for one day.

Mean discharge is the arithmetic mean of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at time of sampling. If this discharge is reported instead of daily mean value, the heading of the discharge column will be "Discharge (cfs)."

Drainage area of a stream above a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified location.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water together with all tributary surface streams and bodies of impounded surface water.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharge are obtained. When used in connection with a discharge record, the term is applied only to those stations where a continuous record of discharge is obtained.

Hardness of water is the property of water attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate (CaCO_3).

Load, usually expressed in tons, is the quantity of a given substance that is transported past a sampling station during a specified period.

Methylene blue active substance (MBAS) is a measure of apparent detergents. This determination depends on the formation of a blue color when methylene blue dye reacts with synthetic detergent compounds.

Micrograms per liter ($\mu\text{g/l}$, UG/L) is a unit for expressing the concentration of chemical constituents in solution. It represents one one-thousandth of a milligram of constituent in a liter of solution.

Milliequivalents per liter is a unit for expressing the concentration of chemical constituents in terms of the interreacting values of the electrically charged particles, or ions, in solution. One milliequivalent per liter of a positively charged ion will react with one milliequivalent per liter of a negatively charged ion.

Milligrams per liter (mg/l , MG/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter of most commonly measured constituents may be converted to milliequivalents per liter by multiplying by the factors in table 2. Concentration of suspended sediment expressed in milligrams per liter is based on the weight of sediment in a liter of water-sediment mixture. Sediment concentrations that are expressed in milligrams per liter may be converted to parts per million by using the factors in table 3.

Partial-record station is a station where limited data are collected systematically over a period of years for use in hydrologic analyses.

Particle size is the diameter, in millimeters (mm), of suspended sediment or bed material determined by sieve, sedimentation (fall diameter), or optical methods.

Particle-size classification agrees with the recommendation made by the American Geophysical Union Subcommittee on Sediment Terminology. This classification is as follows:

Clay: Smaller than 0.004 mm.
Silt: Between 0.004 and 0.062 mm.
Sand: Between 0.062 and 2.0 mm.
Gravel: Between 2.0 and 64.0 mm.

The particle-size distributions given in this report are not necessarily representative of the particle sizes of sediment in transport in the natural stream. Most of the organic matter is removed and the sample is subjected to mechanical and chemical dispersion before analysis of the silt and clay.

Picocurie (PC/L) is one millionth of the amount of radioactivity represented by a microcurie, which, in turn, is the amount of radioactivity given off by one millionth of a gram of radium-226.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited by water; it includes chemical and biochemical precipitates and decomposed organic material such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment discharge is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight, that is discharged in a given time. It is calculated as follows:

$$T/\text{Day} = \text{Concentration (mg/l)} \times \text{discharge (cfs)} \times 0.0027$$

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed in milligrams of dry sediment per liter of water-sediment mixture (mg/l).

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Sodium-adsorption-ratio (SAR) is the expression of relative activity of sodium ions in exchange reaction with soil and is an index of sodium or alkali hazard to the soil. This ratio should be known especially for water used for irrigating farmland.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos per centimeter at 25°C. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids content of the water. Commonly, the amount of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream or from well to well, and it may even vary in the same source with changes in the composition of the water.

Stage is the height of a water surface above an established datum plane; also gage height.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff." Streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Thermograph is an instrument that continuously records variations of temperature on a chart. The more general term "temperature recorder" is used in the table headings and refers to any instrument that records temperature whether on a chart, a tape, or any other medium.

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the water year.

Tons per acre-foot indicates the dry weight of constituent in 1 acre-foot of water. It is computed by multiplying the concentration of the constituent, in milligrams per liter, by 0.00136.

Tons per day is the rate at which a substance in solution or suspension passes a given point on the stream.

Tritium unit (T.U.) is equal to one tritium atom in 10^{+18} protium (ordinary hydrogen) atoms.

Water year in Geological Survey reports dealing with surface-water supply is the 12-month period, October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 1971, is called the "1973 water year."

Weighted average is used to indicate discharge-weighted average. It is computed by multiplying the discharge for the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the year after thorough mixing in the reservoir.

SPECIAL NETWORKS AND PROGRAMS

Some of the stations for which data are published in this report are included in special networks or programs. These stations are identified by a statement, in parentheses under the station name, that indicates the type of network or program of which the station is a part. The parenthetical statements and their meanings are as follows:

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimes will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin.

International Hydrological Decade (IHD) River Stations provide a general index of runoff and materials in the water balance (discharge of water, and dissolved and transported solids) of the world. In the United States, IHD Stations provide indices of runoff and of the general distribution of water in the principal river basins of the conterminous United States and Alaska.

Irrigation network stations are water quality stations located at or near certain streamflow gaging stations west of the main stem of the Mississippi River. Data collected at these stations are used to evaluate the chemical quality of surface waters used for irrigation and the changes resulting from the drainage of irrigated lands. Prior to water year 1966, chemical quality data for irrigation was published in the annual water-supply paper series, "Quality of Surface Water for Irrigation, Western States."

Radiochemical program is a program for periodic collection of data on radioisotopes from selected stations representing major drainage basins in the conterminous United States. Samples for isotope analysis are taken once or twice a year, ordinarily at stations regularly sampled for other purposes.

Radioisotopes are isotope forms of an element that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight, but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus. For example, ordinary chlorine is a mixture of isotopes having atomic weights 35 and 37, with the natural mixture having an atomic weight of about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron (Rose, 1966). There are 275 isotopes of the 81 stable elements in addition to over 800 radioactive isotopes.

DOWNSTREAM ORDER AND STATION NUMBERS

Records in this report are arranged according to the downstream order of the stations involved. In determining downstream order, stations on tributaries are listed between stations on the main stream in the order in which the tributaries enter the main stream. Stations on tributaries entering above all main-stem stations are listed before the first main-stem station. Stations on tributaries to tributaries are listed similarly. In the list of stations given in the table of contents of this report, the rank of the tributaries is indicated by indentation, each indentation representing one rank.

Each station for which records have been included in this report has been assigned an eight-digit station identification number. This number is a unique number that is assigned according to the "downstream" location of the station and is the same regardless of the type of record involved. The station numbers increase in magnitude in the downstream direction within a major drainage basin, such as the Missouri River basin. The records, therefore, when arranged in ascending numerical order also are then arranged automatically in proper downstream order.

The eight-digit identification number, for example 06887000, appears to the left of the station name in the tables. The first two digits indicate the part of the country in which the station is located and the remaining six digits indicate the individual station. When station numbers are assigned, gaps are left in the number sequence to allow for new stations that may be established in the future. Consequently, lists of station numbers seldom comprise a complete sequence of numbers.

At several stations, flow is divided between two or more major channels each of which has been assigned a separate identification number differing somewhat from the regular station number. Where the channel identification numbers appear on the individual tables, the data shown in the table are stored in the U.S. Geological Survey computer storage cell by this number rather than by the regular station number.

Stream locations for partial-record or miscellaneous stations are indicated only by latitude and longitude figures given in parentheses following the station name.

WELL NUMBERS

Wells for which chemical analyses are given in this report are identified both by a U.S. Geological Survey well number, based on latitude and longitude, and a local identifier, based on the land subdivisions of the U.S. Bureau of Land Management. A U.S. Geological Survey well number consists of 15 digits. A typical USGS well number is 402910098352102. The first 6 digits denote the degrees, minutes, and seconds of latitude. The next seven digits denote degrees, minutes, and seconds of longitude. The final two digits are sequence numbers used to distinguish between wells within the same second of latitude and longitude.

An example of a typical local identifier is 21N 31W14DCA 3. The first two digits indicate the township, which in Nebraska are all north of the 40th parallel baseline. The second two digits indicate the range east or west of the 6th principal meridian. The last two digits indicate the section in which the well is located. The first uppercase letter after these digits denotes the quarter section, or 160-acre tract; the second denotes the quarter-quarter section, or 40-acre tract; and the third denotes the quarter-quarter-quarter section, or 10-acre tract. The quarter sections, quarter-quarter sections, etc., are designated A, B, C, or D in a counterclockwise direction, beginning with A in the northeast quadrant. If two or more wells are located within the smallest subdivision indicated, they are distinguished by the sequential digit at the end of the identifier.

COLLECTION AND EXAMINATION OF SAMPLES

Samples of surface water ordinarily were obtained at or near gaging stations because water-discharge data are essential for computation and interpretation of water quality records. Samples taken daily were taken by local observers trained and supervised by personnel of the Geological Survey. Samples taken less frequently than daily generally were taken by Geological Survey personnel or by personnel of cooperating agencies. The map on page VI shows the locations of the water-quality sampling stations in 1973.

Samples of ground water were taken at or near the points of well discharge, mostly by personnel of the Geological Survey. Some were taken by military personnel at government installations, and a few were taken by private individuals. All samples were taken in containers provided by the Geological Survey. Wells were pumped at least several minutes before sampling to insure that water sampled had not stood for any significant period in the well casing.

Prior to the 1968 water year, data for chemical constituents and concentrations of suspended sediment were reported in parts per million (ppm) and water temperatures were reported in degrees Fahrenheit ($^{\circ}\text{F}$). In October 1967 the U.S. Geological Survey began to use the metric system; data for chemical constituents and concentrations of suspended sediment are now reported in milligrams per liter (mg/l; MG/L in computer-generated tables) or in micrograms per liter ($\mu\text{g/l}$; UG/L in computer-generated tables). Water temperatures are given in degrees Celsius (centigrade, $^{\circ}\text{C}$). In waters with a density of 1.000 g/ml (grams per milliliter), parts per million and milligrams per liter can be considered equal. In waters with a density greater than 1.000 g/ml, values

in parts per million should be multiplied by the density to convert to milligrams per liter.

Solutes

Most methods of collecting and analyzing water samples are described in a manual by Brown, Skougstad, and Fishman (1970). Methods for determining elementary constituents by emission spectrographic techniques is described by Barnett and Mallory (1971). Analysis of pesticides, herbicides, and organic substances in water are described by Goerlitz and Lamar (1967), Lamar, Goerlitz, and Law (1965), and Goerlitz and Brown (1972). Collection and analysis of aquatic, biological, and microbial samples are described by Slack, et al. (1973).

Temperature

Water temperatures were measured at most of the water-quality stations and are reported in degrees Celsius ($^{\circ}\text{C}$). To convert degrees Celsius to Fahrenheit, multiply by 1.8 and add 32. For daily stations, the water temperatures were taken at about the same time each day in order that the data would be relatively unaffected by diurnal variations in temperature. Most large swiftly flowing streams probably have a small diurnal variation in water temperature, whereas sluggish or shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. The thermometers used for determining the water temperature were accurate to plus or minus 0.5°C .

At stations where thermographs are located, the records consist of maximum and minimum temperatures for each day and the monthly averages of maximum daily and minimum daily temperatures.

Sediment

In general, where daily records are given, suspended-sediment samples were taken by local observers using U.S. D-43, D-49, or DH-59 depth-integrating cable or line-suspended samplers. During periods of low flow, however, some samples may have been taken with DH-48 hand samplers. Where concentrations of suspended sediment are reasonably uniform across a stream, observers samples were taken from a single vertical at a fixed point. However, where concentrations differed widely across a stream, observers samples were taken at two or more verticals to define the average concentration more accurately.

Sampling frequency at "so-called" daily stations was variable. During periods of uniform low flow, when only small amounts of sediment were in transport, samples were obtained less frequently than daily. Conversely, during periods of high flow, when large amounts of sediment were likely to be in transport, samples may have been taken more frequently than daily. Samples were taken at daily stations at irregular intervals by professional personnel using the ETR (Equal Transit Rate) method.

In the ETR method, samples are obtained with an integrating sampler at about 15-20 equally spaced verticals across the stream. Because the vertical transit rate is kept constant at all verticals, the composite of the samples from the 15-20 verticals is a sample properly weighted for differences in discharge distribution across the stream. Monthly or periodic suspended-sediment samples generally were taken by this method.

For some periods when no samples were collected, daily loads of suspended sediment were estimated from water discharge, concentrations preceding and following the period, and loads for other periods of similar water discharge. Also considered were weather conditions and sediment discharges for other stations.

The particle-size distribution of suspended sediment was determined periodically for many stations, and that of bed material was determined for some stations.

PARAMETER CODES

In most of the column headings of this report the names of the constituents or properties for which data are given are followed by five-digit codes which appear in parentheses. These codes, called parameter codes, are identical to those introduced or approved by the U.S. Environmental Protection Agency and are widely used by federal and state agencies. The codes indicate, to one having a key, more precisely than the verbal column headings can the constituents or properties being reported. Data listed under a given code in this report should be comparable to those listed under the same code by other agencies.

Table 1. Reports in which ground-water records are published

Years of reports and number of chemical analyses in each

<u>County</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>	<u>1973</u>
Adams.....	0	0	9	0	2	2	0	4	6
Antelope.....	11	16	4	9	3	2	2	0	0
Arthur.....	0	0	0	0	4	0	0	0	0
Banner.....	0	0	13	0	0	0	0	0	1
Blaine.....	0	1	0	0	3	0	0	0	0
Boone.....	0	20	0	0	2	0	0	0	0
Box Butte.....	0	0	28	0	0	0	2	0	0
Boyd.....	0	4	0	0	7	0	22	0	0
Brown.....	0	12	0	0	1	0	1	0	0
Buffalo.....	41	33	8	7	4	10	2	0	6
Burt.....	11	8	4	2	4	2	0	0	0
Butler.....	0	5	14	6	2	1	0	0	1
Cass.....	0	7	0	0	6	0	0	0	0
Cedar.....	0	14	0	1	3	0	3	0	0
Chase.....	0	0	32	0	0	0	1	0	2
Cherry.....	0	0	23	0	0	0	0	0	0
Cheyenne.....	3	0	52	0	0	0	0	0	1
Clay.....	0	0	48	0	2	2	0	6	8
Colfax.....	0	1	0	2	1	1	0	0	0
Cuming.....	19	18	12	10	7	5	0	0	0
Custer.....	0	17	0	0	2	0	0	1	0
Dakota.....	0	1	0	0	4	0	0	0	0
Dawes.....	0	0	5	0	0	0	4	0	0
Dawson.....	34	26	6	6	3	9	1	0	4
Deuel.....	0	0	13	0	0	0	0	0	0
Dixon.....	0	6	0	1	3	0	0	0	0
Dodge.....	31	22	14	10	9	5	0	0	0
Douglas.....	6	8	2	2	15	2	0	0	0
Dundy.....	0	0	10	0	0	0	0	0	2
Fillmore.....	0	0	73	0	2	3	0	6	9
Franklin.....	0	0	16	0	2	0	1	0	0
Frontier.....	0	0	4	0	0	0	0	0	0
Furnas.....	0	0	6	0	0	0	0	0	0
Gage.....	0	0	5	0	5	1	0	0	1
Garden.....	0	0	3	0	1	0	0	0	0
Garfield.....	0	2	0	0	2	0	0	0	0
Gosper.....	0	0	6	0	4	0	0	0	0
Grant.....	0	0	2	0	2	0	0	0	0
Greeley.....	0	11	0	0	1	0	0	0	0

Table 1. Reports in which ground-water records are published--Continued

Years of reports and number of chemical analyses in each

<u>County</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>	<u>1973</u>
Hall.....	73	56	20	16	11	23	72	28	12
Hamilton.....	0	41	0	0	26	2	0	4	6
Harlan.....	0	0	3	0	2	0	2	0	0
Hayes.....	0	0	4	0	0	0	0	0	0
Hitchcock.....	0	0	5	0	0	0	0	0	0
Holt.....	82	124	27	7	1	0	5	29	0
Hooker.....	0	0	2	0	2	0	0	0	0
Howard.....	0	13	0	0	2	1	0	0	0
Jefferson.....	0	0	53	0	2	2	0	0	2
Johnson.....	0	0	3	0	6	0	0	0	0
Kearney.....	0	0	19	0	12	8	0	5	0
Keith.....	0	0	24	0	0	0	0	0	0
Keya Paha.....	12	18	5	0	1	0	3	6	0
Kimball.....	0	0	9	0	0	0	0	0	1
Knox.....	6	13	2	2	4	0	5	2	0
Lancaster.....	0	64	0	0	1	3	0	0	39
Lincoln.....	0	0	6	0	0	0	0	0	0
Logan.....	0	0	1	0	3	0	0	0	0
Loup.....	0	1	0	0	4	0	0	0	0
McPherson.....	0	0	0	0	4	0	0	0	2
Madison.....	43	38	14	7	8	6	0	0	0
Merrick.....	53	44	10	6	6	14	0	0	7
Morrill.....	0	0	15	0	0	0	0	0	0
Nance.....	0	40	0	0	1	0	0	0	0
Nemaha.....	0	0	0	0	6	0	0	0	0
Nuckolls.....	0	0	12	0	2	0	0	0	0
Otoe.....	0	1	0	0	6	0	0	0	0
Pawnee.....	0	0	0	0	6	0	0	0	0
Perkins.....	0	0	8	0	0	0	0	0	0
Phelps.....	0	0	9	0	23	28	0	17	0
Pierce.....	4	16	2	6	22	1	1	0	0
Platte.....	19	11	6	3	3	2	0	0	0
Polk.....	0	9	0	0	1	2	0	4	5
Red Willow.....	0	0	5	0	0	0	0	0	0
Richardson.....	0	0	5	0	5	0	0	0	0
Rock.....	0	3	0	1	2	0	0	0	0
Saline.....	0	0	34	0	2	1	0	2	3
Sarpy.....	5	4	0	0	5	0	0	0	0
Saunders.....	1	11	6	4	1	2	0	0	0

Table 1. Reports in which ground-water records are published--Continued

Years of reports and number of chemical analyses in each

<u>County</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>	<u>1973</u>
Scotts Bluff...	0	0	32	0	0	0	1	0	0
Seward.....	0	5	0	0	2	1	0	4	6
Sheridan.....	0	0	50	0	0	0	1	0	0
Sherman.....	0	7	0	0	2	0	0	0	0
Sioux.....	0	0	17	0	0	0	1	0	0
Stanton.....	14	29	6	3	4	2	0	0	0
Thayer.....	0	0	7	0	2	1	0	0	1
Thomas.....	0	0	4	0	1	0	0	0	0
Thurston.....	8	10	6	2	4	1	0	0	0
Valley.....	0	13	0	0	1	0	0	0	1
Washington.....	3	6	2	3	3	1	0	0	0
Wayne.....	0	6	0	2	1	0	0	0	0
Webster.....	0	0	11	0	2	0	0	0	0
Wheeler.....	0	4	0	0	1	0	0	0	0
York.....	0	31	0	0	6	19	0	6	8

Table 2.--Factors for conversion of chemical constituents in milligrams per liter to milliequivalents per liter

<u>Ion</u>	<u>Factor</u>	<u>Ion</u>	<u>Factor</u>
Aluminum (Al^{+3}).....	0.11119	Iodide (I^{-1}).....	0.00788
Ammonia as NH_4^{+1}05544	Iron (Fe^{+3}).....	.05372
Barium (Ba^{+2}).....	.01456	Lead (Pb^{+2}).....	.00965
Bicarbonate (HCO_3^{-1}).....	.01639	Lithium (Li^{+1}).....	.14411
Bromide (Br^{-1}).....	.01251	Magnesium (Mg^{+2}).....	.08226
Calcium (Ca^{+2}).....	.04990	Manganese (Mn^{+2}).....	.03640
Carbonate (CO_3^{-2}).....	.03333	Nickel (Ni^{+2}).....	.03406
Chloride (Cl^{-1}).....	.02821	Nitrate (NO_3^{-1}).....	.01613
Chromium (Cr^{+6}).....	.11539	Nitrite (NO_2^{-1}).....	.02174
Cobalt (Co^{+2}).....	.03394	Phosphate (PO_4^{-3}).....	.03159
Copper (Cu^{+2}).....	.03148	Potassium (K^{+1}).....	.02557
Cyanide (CN^{-1}).....	.03844	Sodium (Na^{+1}).....	.04350
Fluoride (F^{-1}).....	.05264	Strontium (Sr^{+2}).....	.02283
Hydrogen (H^{+1}).....	.99209	Sulfate (SO_4^{-2}).....	.02082
Hydroxide (OH^{-1}).....	.05880	Zinc (Zn^{+2}).....	.03060

NOTE: For constituent reported in micrograms per liter, multiply by the factor and then divide result by 1,000.

Table 3. Factors for conversion of sediment concentration in milligrams per liter to parts per million*
(All values calculated to three significant figures)

Range of concentration in 1000 mg/l	Di- vide by	Range of concentration in 1000 mg/l	Di- vide by	Range of concentration in 1000 mg/l	Di- vide by	Range of concentration in 1000 mg/l	Di- vide by
0 - 8	1.00	201-217	1.13	411-424	1.26	619-634	1.39
8.05- 24	1.01	218-232	1.14	427-440	1.27	636-650	1.40
24.2 - 40	1.02	234-248	1.15	443-457	1.28	652-666	1.41
40.5 - 56	1.03	250-264	1.16	460-473	1.29	668-682	1.42
56.5 - 72	1.04	266-280	1.17	476-489	1.30	684-698	1.43
72.5 - 88	1.05	282-297	1.18	492-506	1.31	700-715	1.44
88.5 -104	1.06	299-313	1.19	508-522	1.32	717-730	1.45
105 -120	1.07	315-329	1.20	524-538	1.33	732-747	1.46
121 -136	1.08	331-345	1.21	540-554	1.34	749-762	1.47
137 -152	1.09	347-361	1.22	556-570	1.35	765-780	1.48
153 -169	1.10	363-378	1.23	572-585	1.36	782-796	1.49
170 -185	1.11	380-393	1.24	587-602	1.37	798-810	1.50
186 -200	1.12	395-409	1.25	604-617	1.38		

*Based on water density of 1.00 g/ml and a specific gravity of sediment of 2.65.

Table 4. Factors for converting English units to International System (SI) units

Multiply English units	By	To obtain SI units
<u>Length</u>		
feet (ft)	.3048	metres (m)
miles (mi)	1.609	kilometres (km)
<u>Area</u>		
square miles (mi ²)	2.590	square kilometres (km ²)
<u>Volume</u>		
cfs-day (ft ³ /s-day)	2447	cubic metres (m ³)
	2.447x10 ⁻³	cubic hectometres (hm ³)
acre-feet (acre-ft)	1233	cubic metres (m ³)
	1.233x10 ⁻³	cubic hectometres (hm ³)
	1.233x10 ⁻⁶	cubic kilometres (km ³)
<u>Flow</u>		
cubic feet per second (ft ³ /s)	28.32	litres per second (l/s)
	28.32	cubic decimetres per second (dm ³ /s)
	.02832	cubic metres per second (m ³ /s)
<u>Mass</u>		
ton (short)	.9072	tonne (t)

WATER-SUPPLY PAPERS

The table below shows the annual series of water-supply papers that give information on the quality of surface waters in Nebraska.

U.S. Geological Survey, Quality of surface waters of the United States; water years 1941-49: U.S. Geol. Survey Water-Supply Papers:

<u>Year</u>	<u>WSP</u>	<u>Year</u>	<u>WSP</u>	<u>Year</u>	<u>WSP</u>
1941	942	1944	1022	1947	1102
1942	950	1945	1030	1948	1132
1943	970	1946	1050	1949	1162

U.S. Geological Survey, Quality of surface waters of the United States; Parts 5-6, Hudson Bay and Upper Mississippi River basins, and Missouri River basin; water years 1950-71: U.S. Geol. Survey Water-Supply Papers:

<u>Year</u>	<u>WSP</u>	<u>Year</u>	<u>WSP</u>	<u>Year</u>	<u>WSP</u>
1950	1187	1958	1572	1966	1993
1951	1198	1959	1643	1967	2013
1952	1251	1960	1743	1968	2095
1953	1291	1961	1883	1969	AB2145
1954	1351	1962	1943	1970	AB2155
1955	1401	1963	1949	1971	AB2165
1956	1451	1964	1956		
1957	1521	1965	1963		

A In preparation.

B Part 6.

SELECTED REFERENCES

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- Hem, J. D., 1970, Study and interpretation of the chemical characteristics of natural water, 2d ed.: U.S. Geol. Survey Water-Supply Paper 1473, 363 p.
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- Report 11, 1957, The development and calibration of visual accumulation tube: St. Anthony Falls Hydraulic Lab., Minneapolis, Minn., 109 p., 43 figs.
 - Report 12, 1957, Some fundamentals of particle-size analysis: U.S. Govt. Printing Office, Washington, D.C. 20402, 55 p., 9 figs.
 - Report AA, 1959, Federal Inter-Agency sedimentation instruments and reports: St. Anthony Falls Hydraulic Lab., Minneapolis, Minn., 41 p., 27 figs.
 - Report 13, 1961, The single stage sampler for suspended sediment: U.S. Govt. Printing Office, Washington, D.C. 20402, 105 p., 51 figs.
 - Report 14, 1963, Determinations of fluvial sediment discharge: U.S. Govt. Printing Office, Washington, D.C. 20402, 151 p., 70 figs.

WATER QUALITY RECORDS
PART 6. MISSOURI RIVER BASIN

NIOBRARA RIVER BASIN

06455900 NIOBRARA RIVER NEAR DUNLAP, NEBR.

LOCATION.--Lat 42°27'48", long 102°55'47", in SE¼NW¼ sec.26, T.29 N., R.48 W., Dawes County, 0.5 mi (0.8 km) upstream from gaging station, at county road bridge 0.7 mi (1.1 km) upstream from Cottonwood Creek, and 2.0 mi (3.2 km) east of Dunlap.

DRAINAGE AREA.--1,580 mi² (4,090 km²), approximately (at gaging station).

PERIOD OF RECORD.--Chemical analyses: August 1969 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SI02) (MG/L) (00955)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LINITY AS CAC03 (MG/L) (00410)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)
APR. 24...	15	43	42	9.1	28	8.2	232	0	190	18	6.3
SEP. 17...	15	51	46	9.6	26	7.5	237	0	194	17	5.2

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS- SOLVED VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA+MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	COLOR (PLAT- INUM- COBALT UNITS) (00980)
APR. 24...	.7	.57	.03	60	272	.37	11.0	140	0	1.0	3
SEP. 17...	.7	1.0	.02	20	284	.39	11.5	150	0	.9	2

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)
OCT. 16...	0945	11	400	7.8	8.0	5	11.1
NOV. 08...	1030	11	410	7.8	6.0	10	10.0
20...	1320	10	380	8.1	1.0	10	10.9
DEC. 07...	1200	10	510	7.2	.0	5	8.7
20...	1050	14	--	8.1	.0	10	11.2
JAN. 24...	1415	18	398	8.3	2.0	8	12.1
FEB. 23...	1410	13	428	7.6	12.0	10	8.9
MAR. 23...	1300	15	425	8.2	9.0	4	11.0
APR. 24...	1315	15	415	7.7	11.0	10	9.7
MAY 16...	1430	14	420	8.1	20.0	6	9.2
JUNE 22...	1330	12	410	8.1	22.0	15	8.4
JULY 11...	1000	200	385	8.1	23.0	30	6.8
25...	1500	16	438	8.0	25.0	5	5.3
AUG. 15...	1330	179	340	8.3	24.0	20	6.1
30...	1000	100	340	8.2	21.0	20	6.7
SEP. 17...	1330	15	450	7.8	14.0	10	8.7
28...	1100	14	440	8.1	11.0	10	9.3

NIORRARA RIVER BASIN

23

06457000 NIOBRARA RIVER NEAR COLCLESSER, NEBR.

LOCATION.--Lat 42°32'38", long 102°29'58", in NW¼SE¼SE¼ sec.29, T.30 N., R.44 W., Sheridan County, at wooden bridge 1 mi (1.6 km) west of Colclesser Mill School, about 2 mi (3.2 km) upstream from Pine Creek, and 2.2 mi (3.5 km) southwest of State Highway 250 bridge crossing.

DRAINAGE AREA.--2,220 mi² (5,750 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: August 1969 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SiO ₂) (MG/L) (00955)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO ₃) (MG/L) (00440)	CAR- BONATE (CO ₃) (MG/L) (00445)	ALKA- LINITY AS CACO ₃ (MG/L) (00410)	DIS- SOLVED SULFATE (SO ₄) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)
APR. 24...	65	42	52	8.8	26	11	245	0	201	27	7.3
SEP. 17...	69	43	51	8.9	24	10	229	0	188	24	3.7

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS- SOLVED PHOS- PHORUS (P) (MG/L) (00646)	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA, MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
APR. 24...	.7	.45	.05	70	298	.41	52.3	170	0	.9	8
SEP. 17...	.6	.59	.04	40	281	.38	52.4	160	0	.8	20

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHMS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)
OCT. 16...	1140	39	405	7.9	18.0	5	10.9
NOV. 03...	1145	57	435	8.2	8.0	15	10.8
22...	1230	54	430	8.2	2.0	15	12.4
DEC. 08...	1215	32	500	8.7	.0	5	7.1
21...	1200	45	--	8.3	.0	8	10.3
JAN. 24...	1115	47	440	7.6	1.0	6	11.5
FEB. 23...	1155	71	470	8.2	7.0	25	10.5
MAR. 23...	1040	75	465	7.8	10.0	10	10.3
APR. 24...	1015	65	470	8.0	12.0	20	8.3
MAY 16...	1115	64	460	8.3	20.0	8	8.8
JUNE 22...	1100	43	445	8.2	23.0	15	8.4
JULY 11...	1400	20	440	8.2	28.0	10	6.6
25...	1210	49	450	8.1	26.0	15	5.3
AUG. 18...	1030	22	405	8.3	24.0	15	7.1
30...	1300	29	410	8.4	26.0	10	7.7
SEP. 17...	1030	69	430	8.0	9.0	15	9.0
28...	1400	63	410	8.2	10.0	15	9.0

06459200 SNAKE RIVER ABOVE MERRITT RESERVOIR, NEBR.

LOCATION.--Lat 42°35'40", long 101°02'20", in NE¼ sec.11, T.30 N., R.32 W., Cherry County, temperature recorder at gaging station, on left bank 5 ft (2 m) upstream from steel piling control, 1,200 ft (366 m) upstream from Shelbourn Bridge, 0.7 mi (1.1 km) northwest of Swanson Camp, 8.5 mi (13.7 km) southeast of headquarters for Nebraska National Forest (Niobrara Division), 10 mi (16.1 km) upstream from Boardman Creek, and 14.5 mi (23.3 km) upstream from Merritt Dam.

DRAINAGE AREA.--440 mi² (1,140 km²), approximately, of which about 28 mi² (73 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--Water temperatures: October 1963 to September 1973.

EXTREMES.--1972-73;

Water temperatures: Maximum, 31.5°C July 1, 6; minimum, freezing point on several days during December and January.

Period of record:

Water temperatures: Maximum (1963-66, 1968-69, 1970-73), 31.5°C June 26, 1971, July 11, 1972, July 1, 6, 1973; minimum, freezing point on many days during winter period.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973
(RECORDER WITH TEMPERATURE ATTACHMENT, CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	18.5	11.0	4.0	1.0	6.0	2.0	0.5	0.5	5.5	2.0	11.5	6.0
2	15.5	13.0	5.5	1.0	5.0	1.0	0.5	0.0	5.5	1.0	11.0	6.0
3	18.0	10.5	9.0	4.0	1.0	1.0	1.0	0.5	6.5	2.0	9.5	7.0
4	16.5	11.0	9.5	5.0	1.0	1.0	1.0	1.0	7.0	3.5	9.0	6.0
5	14.5	9.0	10.0	5.5	1.0	1.0	1.0	0.5	7.0	3.5	6.0	4.5
6	13.0	7.0	8.5	6.5	1.0	1.0	1.0	0.5	5.0	1.0	10.0	3.5
7	15.5	8.5	9.0	4.5	1.0	1.0	1.0	1.0	1.0	0.5	11.0	5.0
8	14.0	11.0	10.0	6.0	1.0	0.5	1.0	1.0	1.0	0.0	11.0	5.0
9	15.5	9.5	9.0	6.0	1.0	1.0	1.0	0.5	0.5	0.0	8.0	5.5
10	17.0	13.0	8.5	4.5	1.0	0.5	1.0	0.5	0.5	0.0	11.0	5.0
11	15.0	10.5	7.0	4.0	1.0	0.0	1.0	0.0	4.5	0.5	13.0	5.5
12	15.0	9.5	4.5	3.0	1.0	0.5	0.5	0.0	4.5	3.5	13.5	6.0
13	14.0	10.5	3.0	1.0	1.0	0.5	0.0	0.0	4.5	1.0	10.5	8.5
14	13.0	9.5	3.0	1.0	1.0	0.5	0.0	0.0	1.0	0.5	9.5	3.5
15	11.5	8.0	1.5	1.0	0.5	0.5	0.5	0.0	1.0	0.5	8.5	3.0
16	14.0	9.0	3.5	1.5	1.0	0.5	0.0	0.0	1.0	0.5	10.0	4.5
17	11.5	8.5	5.0	3.0	0.5	0.0	0.5	0.0	0.5	0.5	10.5	4.5
18	9.0	5.5	5.0	4.0	0.5	0.5	5.0	0.5	5.5	0.5	11.0	6.0
19	6.5	3.5	6.5	4.0	0.5	0.0	5.0	3.5	5.5	4.0	13.0	7.0
20	8.0	4.0	5.5	4.0	0.5	0.0	4.0	1.0	6.5	1.0	12.0	6.0
21	10.5	6.5	4.0	3.5	0.5	0.0	3.5	1.5	7.0	2.0	10.0	5.0
22	9.5	6.5	5.0	1.5	0.5	0.0	2.0	0.5	8.5	3.0	10.0	5.0
23	10.5	5.5	5.5	1.5	1.5	0.5	2.0	0.5	10.0	4.0	14.0	8.0
24	10.0	6.0	5.0	2.0	2.0	0.5	5.5	1.0	8.0	5.5	9.5	6.0
25	11.0	6.5	4.0	1.5	4.0	2.0	7.0	3.0	5.5	4.0	6.0	5.0
26	13.0	7.0	3.5	1.0	4.0	1.0	6.5	3.5	10.5	4.5	11.0	4.5
27	11.0	7.0	3.5	1.5	5.0	2.0	4.5	0.5	10.0	5.5	8.5	6.0
28	8.0	6.0	3.0	0.5	4.5	3.0	1.0	0.5	11.5	6.0	8.5	5.0
29	8.0	5.5	1.5	0.5	3.5	1.0	0.5	0.0	---	---	12.0	5.0
30	5.5	1.0	3.0	0.5	1.0	1.0	5.0	0.5	---	---	12.0	6.5
31	4.0	1.0	---	---	1.0	0.5	6.0	3.0	---	---	10.0	8.0
MONTH	18.5	1.0	10.0	0.5	6.0	0.0	7.0	0.0	11.5	0.0	14.0	3.0
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	9.0	7.0	9.0	7.0	25.0	15.5	31.5	22.0	26.0	18.5	26.0	18.5
2	11.5	6.0	14.5	5.5	21.5	17.0	27.0	19.5	27.0	18.5	21.5	16.0
3	8.5	5.5	19.0	9.5	24.0	14.5	29.0	20.0	28.5	19.0	18.5	13.0
4	12.0	4.0	19.5	11.5	21.5	16.0	30.5	23.0	29.0	19.5	20.5	14.0
5	14.5	5.5	23.0	14.0	20.5	14.5	29.0	19.5	27.0	20.5	23.0	14.0
6	15.5	9.0	19.5	15.0	24.5	15.0	31.5	21.0	29.0	20.0	24.0	16.0
7	9.5	3.5	21.0	11.0	26.5	17.0	26.0	20.0	27.0	19.0	21.5	16.0
8	6.0	2.0	23.0	13.5	28.0	18.5	27.0	19.5	27.0	19.0	20.5	17.0
9	7.0	1.5	20.5	13.5	29.0	19.0	31.0	21.0	27.0	18.5	24.5	18.5
10	12.0	2.0	20.5	12.0	29.5	19.0	31.5	21.0	29.0	19.5	25.5	18.5
11	14.5	6.0	18.0	13.0	25.0	19.0	29.0	21.5	29.0	19.5	21.5	16.0
12	16.5	8.5	16.5	10.0	25.5	16.5	30.5	19.0	27.0	20.5	16.0	14.0
13	16.5	9.0	19.0	10.0	26.0	18.5	24.5	17.0	28.5	19.5	19.5	13.0
14	21.0	10.5	20.0	10.5	25.5	19.5	24.5	15.5	27.0	19.5	19.5	14.5
15	15.0	6.5	21.0	11.0	26.0	18.5	27.0	17.0	27.0	20.0	15.5	10.0
16	15.0	4.5	21.5	13.5	24.0	18.5	29.0	18.0	27.0	19.5	10.0	8.0
17	18.5	9.0	24.0	13.5	24.0	16.0	28.5	19.5	26.5	18.5	16.0	7.0
18	19.0	11.5	24.0	15.5	21.5	13.5	26.0	19.5	28.0	20.0	19.0	10.5
19	15.0	11.5	26.0	15.5	16.5	11.0	23.0	18.5	28.5	19.5	19.5	14.5
20	11.5	8.5	25.0	16.0	20.5	12.0	18.5	16.5	28.0	20.0	16.0	13.0
21	15.0	5.5	22.0	16.5	24.0	14.5	19.5	15.5	28.5	20.0	19.5	14.5
22	16.0	7.0	23.5	14.0	27.0	16.5	20.5	16.5	29.5	21.5	20.0	13.0
23	18.5	10.0	24.0	15.0	27.0	18.5	27.0	18.0	27.0	20.5	17.0	15.0
24	15.5	10.5	19.0	13.5	28.0	18.5	26.0	19.0	26.5	19.5	17.0	16.0
25	10.5	9.0	19.5	12.0	29.0	20.5	26.0	19.0	29.5	20.5	16.0	13.0
26	13.0	8.0	16.5	11.0	27.0	20.5	28.0	18.5	29.5	21.0	15.0	13.0
27	15.5	9.5	11.0	10.0	24.0	18.0	24.0	18.5	26.0	20.0	15.0	10.5
28	19.0	9.5	16.5	10.5	29.5	18.5	26.0	20.0	26.0	19.0	14.5	11.5
29	16.5	12.0	14.0	10.5	28.0	19.5	26.0	18.5	26.0	19.5	13.5	11.5
30	13.0	8.5	21.0	9.5	30.5	19.5	25.5	19.5	25.0	18.5	16.5	11.5
31	---	---	23.5	14.0	---	---	26.5	18.0	26.0	19.0	---	---
MONTH	21.0	1.5	26.0	5.5	30.5	11.0	31.5	15.5	29.5	18.5	26.0	7.0

NIOBRARA RIVER BASIN

25

06463500 LONG PINE CREEK NEAR RIVERVIEW, NEBR.

LOCATION.--Lat 42°41'20", long 99°41'20", in SE¼NE¼ sec.5, T.31 N., R.20 W., Brown County, at gaging station at county road bridge, 1 mi (1.6 km) downstream from Bone Creek, and 5.5 mi (8.8 km) southwest of Riverview.

DRAINAGE AREA.--390 mi² (1,010 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1969 to July 1970, April 1973 to September 1973.

WATER QUALITY DATA, APRIL 1973 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SiO ₂) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MANG- ANESE (MANG) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO ₃) (MG/L) (00440)	CAR- BONATE (CO ₃) (MG/L) (00445)	ALKA- LITY AS CaCO ₃ (MG/L) (00410)
APR. 25...	150	--	--	--	--	--	--	--	--	--	--
MAY 16...	134	52	50	10	23	3.2	7.0	5.4	96	0	79
JUNE 06...	167	--	--	--	--	--	--	--	--	--	--
JULY 18...	141	--	--	--	--	--	--	--	--	--	--
AUG. 08...	195	54	30	0	22	2.9	6.8	5.3	97	0	80
SEP. 19...	145	--	--	--	--	--	--	--	--	--	--

DATE	DIS- SOLVED SULFATE (SO ₄) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL- NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)
APR. 25...	--	2.4	--	.82	.05	.26	.31	.21	.19	168
MAY 16...	8.0	2.1	.2	.85	.14	.51	.65	.22	.16	--
JUNE 06...	--	2.4	--	.47	.05	.43	.48	.24	.18	158
JULY 18...	--	2.0	--	.80	.03	.22	.25	.21	.19	151
AUG. 08...	5.0	1.8	.5	.57	.05	.16	.21	.27	.12	--
SEP. 19...	--	1.6	--	.82	.05	.39	.44	.30	.19	146

NIOBRARA RIVER BASIN

06463500 LONG PINE CREEK NEAR RIVERVIEW, NEBR.--Continued

WATER QUALITY DATA, APRIL 1973 TO SEPTEMBER 1973

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA+MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)	DIS- SOLVED ARSENIC (AS) (MG/L) (01000)
APR. 25...	--	.23	66.0	--	--	--	176	--	1.0	--
MAY 16...	152	.21	55.0	71	0	.4	177	10	3.3	--
JUNE 06...	--	.21	71.2	--	--	--	185	--	1.2	--
JULY 18...	--	.21	57.5	--	--	--	166	--	.8	--
AUG. 08...	149	.20	62.4	67	0	.4	172	5	.7	7
SEP. 19...	--	.20	57.2	--	--	--	176	--	.6	--

DATE	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (MG) (71900)	DIS- SOLVED MERCURY (MG) (UG/L) (71990)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)	DIS- SOLVED SILVER (AG) (UG/L) (01075)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
APR. 25...	--	--	--	--	--	--	--	--	--	--
MAY 16...	20	--	--	--	--	--	--	--	--	--
JUNE 06...	--	--	--	--	--	--	--	--	--	--
JULY 18...	--	--	--	--	--	--	--	--	--	--
AUG. 08...	30	0	0	3	2	.3	.2	4	0	30
SEP. 19...	--	--	--	--	--	--	--	--	--	--

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31670)
APR. 25...	1600	150	8.2	13.0	10	9.9	30	120
MAY 16...	1310	134	8.1	16.0	10	9.7	150	96
JUNE 06...	1340	167	7.8	22.5	20	8.4	100	140
JULY 18...	1330	141	8.2	24.0	10	8.7	44	188
AUG. 08...	1330	155	8.0	23.5	10	8.4	64	290
SEP. 19...	1310	145	8.0	16.5	15	9.4	100	170

NIOBRARA RIVER BASIN

27

06465500 NIOBRARA RIVER NEAR VERDEL, NEBR.

LOCATION.--Lat 42°44'25", long 98°12'45", near center of N sec.23, T.32 N., R.8 W., Knox County, temperature recorder at gaging station at Pishelville Bridge, 6 mi (9.7 km) south of Verdel and 7 mi (11.3 km) upstream from Verdigre Creek.

DRAINAGE AREA.--12,600 mi² (32,600 km²), approximately.

PERIOD OF RECORD.--Water temperatures: June 1958 to September 1965, October 1966 to September 1973.
Sediment records: October 1971 to September 1973.

EXTREMES.--1972-73:

Water temperatures: Maximum, 35.5°C July 9; minimum, freezing point on several days during January to March.
Sediment concentrations: Maximum daily, 6,300 mg/l Mar. 6; minimum daily, 56 mg/l Dec. 27.
Sediment discharge: Maximum daily, 66,000 tons Mar. 6; minimum daily, 60 tons Dec. 7.

Period of record:

Water temperatures: Maximum, 38°C July 22, 1964; minimum, freezing point on many days during winter period.
Sediment concentrations: Maximum daily, 6,500 mg/l Mar. 12, 1972; minimum daily, 56 mg/l Dec. 27, 1972.
Sediment discharge: Maximum daily, 70,000 tons Mar. 12, 1972; minimum daily, 60 tons Dec. 7, 1972.

REMARKS.--Prior to July 1, 1971, sediment records were obtained by the U.S. Corps of Engineers.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SI02) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MANG- NESE (MANG) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LITY AS CAC03 (MG/L) (00410)
APR. 18...	1940	--	--	--	--	--	--	--	--	--	--
MAY 10...	2120	44	40	30	42	6.4	13	8.2	161	0	132
JUNE 20...	1510	--	--	--	--	--	--	--	--	--	--
JULY 11...	901	--	--	--	--	--	--	--	--	--	--
AUG. 21...	660	--	--	--	--	--	--	--	--	--	--

DATE	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)
APR. 18...	--	2.6	--	.66	.26	.55	.81	.28	.10	253
MAY 10...	34	2.4	.6	.21	.09	.59	.68	.22	.09	--
JUNE 20...	--	2.1	--	.00	.32	.88	1.2	.31	.06	262
JULY 11...	--	3.4	--	.03	.01	.79	.80	.22	.04	207
AUG. 21...	--	1.8	--	.03	.02	.97	.99	.15	.04	186

NIOBRARA RIVER BASIN

06465500 NIOBRARA RIVER NEAR VERDEL, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA.MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHDS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)	DIS- SOLVED BORON (B) (UG/L) (01020)
APR. 18...	--	.34	1330	--	--	--	316	--	1.3	--
MAY 10...	231	.31	1320	130	0	.5	323	50	1.4	50
JUNE 20...	--	.36	1070	--	--	--	339	--	3.9	--
JULY 11...	--	.28	504	--	--	--	271	--	3.1	--
AUG. 21...	--	.25	331	--	--	--	236	--	3.7	--

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)*	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
APR. 18...	1000	1940	8.1	14.5	120	8.8	40	50
MAY 10...	1020	2120	8.1	18.0	40	9.4	33	40
JUNE 20...	1000	1510	8.3	21.0	90	8.9	380	800
JULY 11...	0950	901	8.3	18.5	40	7.5	180	104
AUG. 21...	1010	660	8.3	27.0	40	8.1	120	260

NIORRARA RIVER BASIN

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06465500 NIOBRARA RIVER NEAR VERDEL, NEBR.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973
(RECORDER WITH TEMPERATURE ATTACHMENT, CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	18.0	12.0	4.5	4.0	3.0	0.5	1.5	0.5	1.0	0.5	0.5	0.5
2	17.0	14.0	4.5	3.5	1.0	0.5	1.0	0.5	1.0	0.5	0.5	0.0
3	18.5	15.0	5.5	4.5	2.0	0.5	1.5	0.5	1.0	0.0	0.5	0.0
4	19.0	13.0	5.5	4.5	2.0	0.5	1.5	1.5	0.0	0.0	0.5	0.5
5	16.5	14.0	6.5	5.5	1.5	0.5	1.5	1.0	0.0	0.0	0.5	0.5
6	14.5	11.0	6.5	6.5	1.0	0.5	1.5	1.0	0.5	0.0	0.5	0.5
7	15.0	10.5	7.0	6.0	1.0	0.5	1.5	1.0	0.5	0.5	1.0	0.5
8	14.5	11.5	8.5	6.5	1.0	0.0	1.5	1.5	1.0	0.5	2.0	0.5
9	13.0	10.0	8.0	6.5	1.0	0.0	1.5	1.5	1.0	0.0	3.0	2.0
10	14.0	11.5	6.5	6.0	1.0	0.0	1.5	1.0	0.5	0.0	4.5	3.0
11	14.0	11.5	6.0	4.0	0.5	0.0	1.5	0.5	0.5	0.0	4.5	4.0
12	14.5	9.5	5.0	4.5	0.5	0.0	1.0	0.5	0.0	0.0	9.5	3.5
13	14.0	9.5	4.5	2.0	1.0	0.5	1.0	0.5	0.5	0.0	10.5	7.0
14	14.0	10.5	2.0	1.5	1.0	0.5	0.5	0.5	1.0	0.5	9.5	5.5
15	10.5	9.0	2.0	2.0	1.0	0.5	0.5	0.0	1.0	0.5	5.5	4.0
16	11.5	9.5	2.0	1.5	1.0	1.0	0.5	0.0	1.5	0.5	7.0	3.5
17	11.0	6.5	1.5	1.0	1.0	0.5	0.5	0.5	1.0	0.0	8.0	3.0
18	8.5	5.0	1.0	1.0	1.0	0.5	0.5	0.0	0.5	0.0	6.5	3.5
19	6.5	3.0	3.0	1.0	0.5	0.5	0.5	0.5	0.0	0.0	11.0	5.0
20	6.0	5.0	1.5	1.0	0.5	0.5	0.5	0.5	0.5	0.0	11.0	5.0
21	8.5	5.5	1.5	1.0	0.5	0.5	0.5	0.5	0.5	0.0	11.0	5.0
22	8.5	6.5	3.5	1.0	0.5	0.0	1.0	0.5	0.5	0.0	8.0	5.0
23	8.5	5.5	3.0	0.5	1.0	0.5	1.0	0.5	0.5	0.0	8.0	5.5
24	9.0	5.0	2.0	0.5	1.0	0.5	1.0	0.0	0.5	0.0	7.0	6.5
25	11.0	6.0	3.0	1.0	1.0	0.5	1.0	0.0	0.5	0.5	7.0	5.5
26	13.5	8.5	1.0	0.5	1.0	0.0	1.0	0.0	0.5	0.5	11.0	5.5
27	11.0	8.5	2.0	0.5	1.0	0.0	1.0	0.5	0.5	0.5	11.0	7.0
28	8.5	7.0	1.5	0.5	1.0	0.5	1.0	0.5	0.5	0.0	8.5	5.5
29	7.0	6.0	1.0	0.5	0.5	0.5	1.0	0.5	---	---	8.5	4.5
30	6.5	5.0	1.0	0.5	1.0	0.5	1.0	0.5	---	---	9.0	4.5
31	5.0	4.0	---	---	1.0	1.0	1.0	0.5	---	---	8.0	6.5
MONTH	19.0	3.0	8.5	0.5	3.0	0.0	1.5	0.0	1.5	0.0	11.0	0.0

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	8.0	6.0	10.0	7.0	25.5	18.0	31.5	23.0	30.5	20.0	29.5	20.0
2	10.0	5.0	14.5	6.5	24.0	20.0	29.5	21.5	32.0	20.5	25.0	20.5
3	9.5	5.0	19.0	8.5	25.5	18.5	32.0	23.0	31.5	21.0	23.5	18.5
4	11.5	4.0	19.0	11.0	23.5	19.0	34.5	24.0	30.5	21.0	24.5	16.5
5	15.0	5.0	24.0	14.0	23.5	17.0	32.0	22.0	29.5	20.5	25.5	16.0
6	16.5	8.5	19.5	16.0	26.0	17.0	33.5	23.0	33.5	21.5	26.5	16.5
7	10.0	4.0	20.5	14.0	27.0	19.5	33.0	23.0	33.0	22.0	21.0	16.5
8	5.0	2.0	23.5	13.5	26.5	21.0	31.5	24.0	30.5	23.0	19.0	16.5
9	7.0	1.5	21.5	15.0	28.0	21.0	35.5	23.5	30.5	21.0	20.5	17.0
10	10.5	1.5	22.0	14.0	25.5	20.5	34.5	24.5	33.0	20.5	26.5	15.5
11	13.5	4.5	20.0	14.0	24.5	22.0	34.5	24.0	31.5	22.0	23.0	18.0
12	15.5	6.0	18.5	11.0	23.5	20.5	33.0	20.5	34.0	22.0	19.5	15.5
13	15.5	6.0	18.0	10.0	23.5	20.5	28.0	21.5	31.0	23.0	17.0	14.5
14	15.0	8.5	19.5	9.5	26.5	21.0	28.0	18.5	31.0	21.0	19.5	13.0
15	13.0	6.0	21.5	10.0	30.5	21.5	30.5	18.5	33.5	21.5	16.5	11.0
16	14.0	4.0	20.0	12.0	28.0	21.0	29.0	19.5	34.0	23.5	11.0	9.5
17	18.0	6.5	23.5	11.0	28.5	19.0	30.5	19.5	31.0	24.0	14.5	8.5
18	19.0	11.0	25.0	15.0	24.0	18.0	33.5	21.5	28.0	22.0	18.5	9.0
19	15.0	10.5	27.0	17.0	21.0	15.0	27.0	21.5	33.5	21.0	17.0	12.0
20	15.5	8.0	25.0	16.5	22.0	15.0	21.5	19.5	33.0	23.5	17.0	11.5
21	15.0	9.5	25.0	17.0	24.5	16.0	24.0	18.5	33.5	23.0	20.5	15.5
22	16.0	8.5	25.5	15.0	28.5	17.0	23.5	19.0	35.0	23.0	21.5	13.0
23	19.5	10.5	29.5	15.5	30.0	19.5	25.5	19.0	26.5	22.0	17.0	13.0
24	15.5	11.0	21.5	14.5	30.5	20.5	30.0	20.0	26.0	20.5	19.5	16.5
25	15.5	9.0	25.0	12.0	33.0	23.0	26.0	22.0	34.0	21.5	17.0	13.5
26	14.5	9.0	18.5	14.0	29.5	23.5	28.5	20.5	30.0	23.5	16.0	14.0
27	18.5	8.0	14.0	13.0	27.0	19.5	29.5	21.0	29.5	20.0	17.0	11.5
28	19.5	9.0	20.0	11.5	29.5	19.0	31.5	21.0	29.5	19.5	15.0	13.0
29	19.0	13.0	17.0	14.5	30.5	20.0	32.0	21.5	29.0	22.0	13.5	13.0
30	14.5	10.0	21.5	13.5	29.5	21.0	28.0	21.5	30.0	20.0	16.0	13.0
31	---	---	24.5	17.0	---	---	30.5	20.0	25.5	21.5	---	---
MONTH	19.5	1.5	29.5	6.5	33.0	15.0	35.5	18.5	35.0	19.5	29.5	8.5

NIOBRARA RIVER BASIN

06465500 NIOBRARA RIVER NEAR VERDEL, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	DIS- CHARGE (CFS) (00060)	SUS- PENDE SEDI- MENT (MG/L) (80154)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)
NOV.							
10...	1025	5.5	1880	1920	9750	2	4
MAR.							
29...	1200	5.0	3390	2560	23400	--	--
APR.							
18...	1225	14.5	1930	1520	7920	--	--
MAY							
10...	1240	16.5	2140	1690	9760	5	6
30...	1350	14.0	3980	2560	28600	10	13
JUNE							
20...	1000	21.0	1520	896	3660	--	--
JULY							
11...	1140	18.5	882	335	798	--	--
AUG.							
02...	1140	23.5	1060	1290	3690	--	--
21...	1125	27.0	606	266	500	--	--
SEP.							
12...	1520	16.5	1140	632	1940	--	--

DATE	SUS. SED. FALL DIAM. % FINER THAN .016 MM (70340)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM (70346)
NOV.						
10...	5	16	34	76	97	100
MAR.						
29...	--	23	38	80	100	--
APR.						
18...	--	13	28	67	96	100
MAY						
10...	7	89	91	96	100	--
30...	18	26	39	80	99	100
JUNE						
20...	--	30	44	82	100	--
JULY						
11...	--	20	30	60	96	100
AUG.						
02...	--	5	9	47	92	100
21...	--	26	39	76	100	--
SEP.						
12...	--	16	28	83	99	100

DATE	TIME	NUMBER OF SAM- PLING POINTS (00063)	DIS- CHARGE (CFS) (00060)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. FALL DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. FALL DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. FALL DIAM. % FINER THAN 16.0 MM (80172)
OCT.												
11...	1550	5	1530	0	1	45	84	97	99	100	--	--
NOV.												
10...	1025	4	1880	--	0	27	92	98	99	100	--	--
JAN.												
16...	1155	5	1400	0	1	45	92	99	100	--	--	--
FEB.												
21...	1230	5	2000	0	1	18	79	87	91	94	97	100
MAR.												
29...	1200	5	3390	0	1	36	94	100	--	--	--	--
APR.												
18...	1225	5	1930	3	13	64	98	100	--	--	--	--
MAY												
10...	1240	5	2140	5	20	69	97	100	--	--	--	--
30...	1350	5	3980	0	1	39	92	98	100	--	--	--
JUNE												
20...	1000	5	1520	0	1	47	95	100	--	--	--	--
JULY												
11...	1140	5	882	--	0	32	94	99	100	--	--	--
AUG.												
02...	1140	5	1060	0	1	50	93	98	99	100	--	--
21...	1125	5	606	0	1	28	88	98	99	100	--	--
SEP.												
12...	1520	5	1140	0	1	48	97	100	--	--	--	--

MISSOURI RIVER MAIN STEM

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06601200 MISSOURI RIVER AT DECATUR, NEBR.

LOCATION.--Lat 42°00'26", long 96°14'29", in NE¼SW¼ sec.36, T.24 N., R.10 E., Burt County, at bridge at Decatur.

DRAINAGE AREA.--316,160 mi² (818,900 km²).

PERIOD OF RECORD.--Chemical analyses: July 1969 to June 1970, August 1971 to September 1973 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SiO ₂) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MANG- ANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO ₃) (MG/L) (00440)	CAR- BONATE (CO ₃) (MG/L) (00445)	ALKA- LITY AS CaCO ₃ (MG/L) (00410)
OCT. 26... 50500	--	--	--	68	21	--	--	--	--	--	--
NOV. 22... 48000	--	--	--	60	20	--	--	--	--	--	--
DEC. 20... 19500	7.8	9	20	65	24	72	5.5	221	0	181	
JAN. 25... 23000	--	--	--	57	20	--	--	--	--	--	--
FEB. 23... 22500	--	--	--	60	20	--	--	--	--	--	--
MAR. 15... 39000	12	30	30	53	18	33	8.1	168	0	138	
MAY 02... 31000	--	--	--	62	23	--	--	--	--	--	--
31... 26300	--	--	--	64	22	--	--	--	--	--	--
JUNE 22... 29500	--	--	--	62	20	--	--	--	--	--	--
JULY 18... 33400	--	--	--	60	21	--	--	--	--	--	--
AUG. 08... 31800	8.0	10	10	61	21	62	5.4	192	0	157	
SEP. 14... 33000	--	--	--	59	21	--	--	--	--	--	--

DATE	DIS- SOLVED SULFATE (SO ₄) (MG/L) (00948)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L) (00608)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KUEL- DAHL NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00668)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)
OCT. 26... 200	12	--	.24	--	.05	--	--	.13	.05	
NOV. 22... 200	10	--	.29	--	.01	--	--	.12	.07	
DEC. 20... 220	11	.6	.30	.39	.39	.30	.69	.15	.08	
JAN. 25... 190	11	--	.22	.29	.29	--	--	.20	.09	
FEB. 23... 190	9.6	--	.37	.22	--	--	--	.24	.06	
MAR. 15... 140	8.5	.4	1.0	1.1	--	1.9	3.0	.70	.11	
MAY 02... 210	9.9	--	.30	.15	--	--	--	.11	.01	
31... 210	11	--	.47	.18	--	--	--	.18	.10	
JUNE 22... 200	9.9	--	.34	.10	--	--	--	.18	.04	
JULY 18... 210	11	--	.12	.07	--	--	--	.14	.02	
AUG. 08... 210	10	.5	.07	.07	--	.20	.27	.11	.02	
SEP. 14... 200	10	--	.08	.08	--	--	--	.07	.03	

MISSOURI RIVER MAIN STEM

06601200 MISSOURI RIVER AT DECATUR, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- SOLVED SOLIDS (RESI- DUE AT 100 C) (MG/L) (70300)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA, MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00995)	COLOR (PLAT- INUM- COBALT UNITS) (00900)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)
OCT.										
26...	478	--	.65	65200	260	--	--	717	--	1.4
NOV.										
22...	470	--	.64	60900	230	--	--	705	--	1.2
DEC.										
20...	--	517	.70	27200	260	80	1.9	781	7	1.8
JAN.										
25...	516	--	.70	32000	220	--	--	709	--	1.9
FEB.										
23...	484	--	.66	29400	230	--	--	710	--	2.4
MAR.										
15...	--	360	.49	37900	210	69	1.0	578	50	5.5
MAY										
02...	484	--	.66	40500	250	--	--	733	--	1.7
31...	505	--	.69	35900	250	--	--	748	--	1.4
JUNE										
22...	467	--	.64	37200	240	--	--	724	--	2.4
JULY										
18...	519	--	.71	46800	240	--	--	744	--	1.2
AUG.										
08...	--	473	.64	40600	240	81	1.7	741	5	.5
SEP.										
14...	466	--	.63	41500	230	--	--	723	--	1.7

DATE	ALDRIN (UG/L) (39330)	CHLOR- DANE (UG/L) (39350)	DDO (UG/L) (39360)	DDE (UG/L) (39365)	DDT (UG/L) (39370)	DI- AZINON (UG/L) (39570)	DI- ELDRIN (UG/L) (39380)	ENDRIN (UG/L) (39390)	HEPTA- CHLOR (UG/L) (39410)	HEPTA- CHLOR EPOXIDE (UG/L) (39420)
DEC.										
20...	.00	.0	.00	.00	.00	.02	.00	.00	.00	.00
MAR.										
15...	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00
MAY										
31...	.00	.0	.00	.00	.00	.03	.00	.00	.00	.00
JUNE										
22...	.00	.0	.00	.00	.00	.01	.00	.00	.00	.00
JULY										
18...	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00
AUG.										
08...	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00

DATE	LINDANE (UG/L) (39340)	MALA- THION (UG/L) (39530)	METHYL PARA- THION (UG/L) (39600)	PARA- THION (UG/L) (39540)	PCB (UG/L) (39516)	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVEX (UG/L) (39760)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)	DIS- SOLVED BORON (B) (UG/L) (01020)
DEC.										
20...	.00	.00	.00	.00	.0	.00	.00	.00	0	140
MAR.										
15...	.00	.00	.00	.00	.0	.07	.00	.00	0	80
MAY										
31...	.00	.00	.00	.00	.0	.10	.00	.00	--	--
JUNE										
22...	.00	.00	.00	.00	.0	.05	.00	.00	--	--
JULY										
18...	.00	.00	.00	.00	.0	.05	.00	.00	--	--
AUG.										
08...	.00	.00	.00	.00	.0	.02	.00	.00	2	140

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)	DIS- SOLVED SILVER (AG) (UG/L) (01075)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
DEC.									
20...	1	0	4	0	6.9	6.5	4	0	30
MAR.									
15...	0	0	10	0	.2	.0	3	1	20
MAY									
31...	--	--	--	--	--	--	--	--	--
JUNE									
22...	--	--	--	--	--	--	--	--	--
JULY									
18...	--	--	--	--	--	--	--	--	--
AUG.									
08...	1	0	4	1	.0	.0	4	0	10

MISSOURI RIVER MAIN STEM

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06601200 MISSOURI RIVER AT DECATUR, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (000000)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)
OCT.							
26...	1030	50900	7.6	12.0	25	10.4	9300
NOV.							
22...	1020	48000	7.7	9.0	28	11.8	3100
DEC.							
20...	1030	19900	7.6	1.5	20	12.4	5300
JAN.							
25...	1040	23000	7.5	1.5	25	12.0	15990
FEB.							
23...	1015	22500	7.4	2.5	50	12.6	5900
MAR.							
15...	0945	39000	7.5	6.5	150	9.9	5400
MAY							
02...	0945	31000	7.7	10.0	25	9.6	5500
31...	1030	26300	7.5	18.0	25	8.4	5000
JUNE							
22...	1015	29900	7.6	21.0	55	7.5	9300
JULY							
15...	1000	33400	7.9	25.0	20	7.0	14600
AUG.							
08...	1000	31800	7.7	25.5	20	7.5	13300
SEP.							
14...	0940	33000	7.7	18.0	20	8.5	8660

06610670 MISSOURI RIVER AT BELLEVUE, NEBR.

LOCATION.--Lat 41°08'35", Long 95°53'00", in SE¼NW¼ sec.31, T.14 N., R.14 E., Sarpy County, at inlet to Kramer Power Plant in Bellevue.

PERIOD OF RECORD.--Chemical analyses: July 1969 to June 1970, August 1971 to September 1973 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (000000)	DIS- SOLVED SILICA (SI02) (MG/L) (000955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LINITY AS CaCO3 (MG/L) (00410)
OCT.											
25...	53000	--	--	--	65	21	--	--	--	--	--
NOV.											
21...	53000	--	--	--	61	21	--	--	--	--	--
DEC.											
19...	20400	9.0	9	30	71	25	70	5.4	238	0	195
JAN.											
24...	25300	--	--	--	59	20	--	--	--	--	--
FEB.											
22...	24000	--	--	--	65	21	--	--	--	--	--
MAR.											
14...	42000	12	30	40	59	23	30	8.1	199	0	163
MAY											
01...	34700	--	--	--	69	24	--	--	--	--	--
30...	32600	--	--	--	64	22	--	--	--	--	--
JUNE											
21...	37600	--	--	--	58	21	--	--	--	--	--
JULY											
17...	33200	--	--	--	63	21	--	--	--	--	--
AUG.											
07...	32300	8.1	10	10	62	21	71	5.6	198	0	162
SEP.											
13...	31000	--	--	--	59	21	--	--	--	--	--

MISSOURI RIVER MAIN STEM

06610670 MISSOURI RIVER AT BELLEVUE, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED SULFATE (SO ₄) (MG/L) (00945)	DIS-SOLVED CHLORIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUORIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L) (00608)	ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KUEL- DAHL NITROGEN (N) (MG/L) (00625)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DIS-SOLVED PHOSPHORUS (P) (MG/L) (00666)
OCT. 25...	190	21	--	.37	--	.12	--	--	.12	.05
NOV. 21...	200	10	--	.58	--	2.0	--	--	.22	.08
DEC. 19...	210	14	.5	.81	.39	.39	.46	.85	.23	.13
JAN. 24...	170	12	--	.61	.52	.52	--	--	.26	.15
FEB. 22...	180	11	--	.69	.31	--	--	--	.20	.10
MAR. 14...	120	10	.6	1.5	1.1	--	1.8	2.9	.58	.13
MAY 01...	190	11	--	1.0	.16	--	--	--	.19	.03
30...	180	11	--	1.5	.17	--	--	--	.30	.09
JUNE 21...	180	12	--	1.0	.14	--	--	--	.42	.06
JULY 17...	200	12	--	.71	.13	--	--	--	.20	.06
AUG. 07...	210	11	.5	.21	.12	--	.29	.41	.15	.01
SEP. 13...	200	11	--	.21	.07	--	--	--	.12	.07

DATE	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA+MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	COLDR (PLAT- INUM- COBALT UNITS) (00088)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)
OCT. 25...	488	--	.66	69800	250	--	--	739	--	1.9
NOV. 21...	484	--	.66	69300	240	--	--	700	--	1.1
DEC. 19...	--	526	.72	29000	280	85	1.8	804	10	2.4
JAN. 24...	318	--	.43	21700	230	--	--	683	--	5.7
FEB. 22...	480	--	.65	31100	250	--	--	733	--	3.1
MAR. 14...	--	368	.50	41700	240	79	.8	590	50	3.7
MAY 01...	490	--	.67	45900	270	--	--	734	--	3.1
30...	473	--	.64	41600	250	--	--	723	--	3.8
JUNE 21...	463	--	.63	47000	230	--	--	708	--	1.7
JULY 17...	516	--	.70	46300	240	--	--	750	--	1.5
AUG. 07...	--	488	.66	42600	240	79	2.0	740	5	1.2
SEP. 13...	496	--	.67	41500	230	--	--	727	--	2.0

[illegible]

MISSOURI RIVER MAIN STEM

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06610670 MISSOURI RIVER AT BELLEVUE, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	LINDANE (UG/L) (39340)	MALA- THION (UG/L) (39530)	METHYL PARA- THION (UG/L) (39600)	PARA- THION (UG/L) (39540)	PCB (UG/L) (39516)	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVEX (UG/L) (39760)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)	DIS- SOLVED BORON (B) (UG/L) (01020)
DEC. 19...	.00	.00	.00	.00	.0	.00	.00	.00	0	140
MAR. 14...	.00	.00	.00	.00	.0	.09	.01	.00	2	80
MAY 30...	.00	.00	.00	.00	.0	.10	.00	.00	--	--
JUNE 21...	.00	.00	.00	.00	.0	.16	.01	.00	--	--
JULY 17...	.00	.00	.00	.00	.0	.06	.00	.00	--	--
AUG. 07...	.00	.00	.00	.00	.0	.00	.00	.00	2	130

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01045)	TOTAL MERCURY (HG) (UG/L) (71900)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)	DIS- SOLVED SILVER (AG) (UG/L) (01075)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
DEC. 19...	1	0	2	0	10	7.0	3	0	30
MAR. 14...	0	0	20	0	.2	.2	4	1	40
MAY 30...	--	--	--	--	--	--	--	--	--
JUNE 21...	--	--	--	--	--	--	--	--	--
JULY 17...	--	--	--	--	--	--	--	--	--
AUG. 07...	1	0	8	0	.2	.0	6	0	30

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00000)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)
OCT. 29...	1435	53000	7.6	10.0	20	10.5	56990
NOV. 21...	1430	53000	7.6	4.0	35	11.7	9999
DEC. 19...	1500	20400	7.6	2.0	20	12.6	18990
JAN. 24...	1230	25300	7.5	2.0	35	11.3	25990
FEB. 22...	1400	24000	7.4	3.0	30	12.4	14990
MAR. 14...	1430	42000	7.5	7.0	120	10.0	10990
MAY 01...	1330	34700	7.8	13.0	45	8.8	13990
MAY 30...	1430	32600	7.3	17.0	75	7.6	99990
JUNE 21...	1330	37000	7.5	23.0	160	6.3	85990
JULY 17...	1315	33200	7.8	25.0	45	7.0	105000
AUG. 07...	1215	32300	7.8	25.0	25	7.5	60000
SEP. 13...	1200	31000	7.8	20.0	25	8.7	200000

PLATTE RIVER BASIN

06674500 NORTH PLATTE RIVER AT WYOMING-NEBRASKA STATE LINE

LOCATION.--Lat 41°59'25", long 104°02'57", in SW¼NE¼SE¼ sec.4, T.23 N., R.58 W., Scotts Bluff County, Nebr., at bridge on Nebraska State Highway 86, 650 ft (198 m) downstream from gaging station, 0.3 mi (0.5 km) downstream from Wyoming-Nebraska State line and 0.5 mi (0.8 km) south of Henry, Nebr.

DRAINAGE AREA.--26,177 mi² (67,798 km²), of which 5,888 mi² (15,250 km²), including 3,959 mi² (10,254 km²) in Great Divide basin in southern Wyoming, is probably noncontributing.

PERIOD OF RECORD.--Chemical analyses: October 1965 to September 1973.

Water temperatures: October 1965 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SI02) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LINIT AS CAC03 (MG/L) (00410)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)
OCT.												
13...	502	--	--	--	--	--	--	--	--	--	--	--
NOV.												
03...	470	28	140	81	22	89	7.2	292	0	240	220	22
08...	444	--	--	--	--	--	--	--	--	--	--	--
30...	328	26	50	84	22	92	8.1	301	0	247	220	20
DEC.												
30...	258	--	--	--	--	--	--	--	--	--	--	--
JAN.												
05...	210	30	80	96	21	110	7.9	336	0	276	240	23
16...	308	--	--	--	--	--	--	--	--	--	--	--
18...	324	27	0	87	19	96	7.2	284	0	233	220	21
FEB.												
12...	285	--	--	--	--	--	--	--	--	--	--	--
21...	280	28	50	84	22	92	7.2	310	0	254	220	23
MAR.												
20...	318	--	--	--	--	--	--	--	--	--	--	--
26...	446	26	0	83	22	79	7.0	273	0	224	210	19
APR.												
11...	1250	--	--	--	--	--	--	--	--	--	--	--
27...	2860	11	50	63	19	52	4.2	183	0	150	170	17
MAY												
01...	4770	--	--	--	--	--	--	--	--	--	--	--
30...	7440	11	20	62	17	49	4.0	159	0	130	180	14
JUNE												
21...	6750	--	--	--	--	--	--	--	--	--	--	--
28...	4960	--	--	--	--	--	--	--	--	--	--	--
28...	4960	11	30	54	14	41	3.7	164	0	135	140	12
JULY												
10...	3420	--	--	--	--	--	--	--	--	--	--	--
26...	3460	15	30	68	9.8	43	4.4	177	0	145	140	13
AUG.												
13...	3820	--	--	--	--	--	--	--	--	--	--	--
SEP.												
10...	2020	--	--	--	--	--	--	--	--	--	--	--
11...	2120	18	50	60	14	54	6.3	175	0	144	160	14

FIELD DATA

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)
NOV.						
03...	1230	470	8.2	9.0	11.2	120
30...	0845	328	8.2	2.0	11.1	32
JAN.						
05...	1130	210	8.1	.0	11.8	2
18...	1630	324	8.3	6.0	10.6	28
FEB.						
21...	1140	280	8.2	4.5	10.4	--
MAR.						
26...	1145	446	8.2	9.0	10.6	3
APR.						
27...	0720	2860	8.4	7.0	9.5	1000
MAY						
30...	1120	7440	8.4	11.5	10.2	64
JUNE						
28...	1130	4960	8.3	19.0	8.2	73
JULY						
26...	0900	3460	8.3	19.0	9.8	270
SEP.						
11...	1030	2120	7.9	16.5	7.4	16000

06674500 NORTH PLATTE RIVER AT WYOMING-NEBRASKA STATE LINE--Continued

EXTREMES, 1972-73:

Specific conductance: Maximum daily, 986 micromhos Jan. 10; minimum daily, 430 micromhos May 18.
 Water temperatures: Maximum, 25.0°C Aug. 3; minimum, 0.5°C on many days December and January.

Period of record:

Specific conductance: Maximum daily, 1,010 micromhos Jan. 28, 1966, Jan. 8, Oct. 16, 1970, Jan. 7, 1971;
 minimum daily, 243 micromhos Dec. 2, 1967.
 Water temperatures: Maximum, 27.0°C July 4, 25, 1967; minimum, freezing point on many days during winter period.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- SOLVED FLUO- RIDE (P) (00986)	DIS- SOLVED SOLIDS (REST- DUE AT 180 C) (00980)	DIS- SOLVED SOLIDS (SUM OF CONST- TUENTS) (00981)	DIS- SOLVED SOLIDS (TONE PER AC-FT) (00983)	DIS- SOLVED SOLIDS (TONE PER DAY) (00982)	HARD- NESS (CA, MG) (00988)	NON- CAR- BONATE HARD- NESS (MG/L) (00992)	SODIUM AD- SORP- TION RATIO (00991)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00995)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00910)	DIS- SOLVED BORON (B) (01020)
OCT.											
13...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
03...	.6	618	618	.84	784	290	50	2.3	909	3.8	110
08...	--	--	--	--	--	--	--	--	--	--	--
30...	.6	640	632	.87	567	300	53	2.3	945	2.5	130
DEC.											
30...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
05...	.6	684	695	.93	388	330	54	2.7	991	3.6	140
16...	--	--	--	--	--	--	--	--	--	--	--
18...	.8	624	630	.85	544	300	67	2.4	921	2.3	130
FEB.											
12...	--	--	--	--	--	--	--	--	--	--	--
21...	.5	644	637	.88	488	300	46	2.3	948	2.4	120
MAR.											
28...	--	--	--	--	--	--	--	--	--	--	--
29...	.6	598	588	.81	720	300	76	2.0	884	2.1	110
APR.											
11...	--	--	--	--	--	--	--	--	--	--	--
27...	.9	442	431	.60	3410	230	80	1.5	680	2.8	80
MAY											
01...	--	--	--	--	--	--	--	--	--	--	--
30...	.4	428	419	.58	8600	220	90	1.4	625	2.3	70
JUNE											
21...	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	1.2	--
29...	.4	360	358	.49	4820	200	65	1.3	562	--	70
JULY											
10...	--	--	--	--	--	--	--	--	--	--	--
26...	.4	386	386	.53	3610	210	65	1.3	596	1.5	80
AUG.											
13...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
10...	--	--	--	--	--	--	--	--	--	--	--
11...	.4	432	416	.59	2470	210	66	1.5	658	1.7	90

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	856	886	910	922	933	912	832	504	610	558	588	611
2	862	912	895	930	923	887	837	552	597	568	596	611
3	882	927	869	974	918	865	780	586	593	563	601	629
4	860	922	860	935	925	896	783	607	582	567	595	620
5	851	902	850	925	929	902	782	598	582	564	598	627
6	862	901	840	977	931	910	781	540	585	565	599	638
7	820	908	830	951	911	931	776	505	582	567	596	649
8	851	894	850	922	938	909	776	471	581	561	591	---
9	865	900	860	958	949	909	780	483	580	563	592	---
10	869	903	870	986	974	909	776	465	576	564	589	---
11	867	894	866	983	930	912	774	460	572	564	591	---
12	867	895	904	897	936	931	770	462	573	564	590	---
13	882	877	912	935	930	903	765	467	572	568	592	---
14	867	889	901	940	952	914	757	493	570	567	595	---
15	858	910	908	917	919	917	742	511	567	566	594	---
16	867	905	892	891	920	939	735	475	568	565	595	---
17	887	915	949	920	908	933	705	435	565	563	595	---
18	866	917	932	920	913	943	695	430	572	562	606	---
19	884	915	921	892	902	952	670	496	570	558	599	---
20	882	909	900	878	908	952	636	563	564	562	617	---
21	877	917	922	898	934	945	615	572	559	612	596	---
22	879	934	933	894	934	955	685	595	551	595	603	---
23	887	907	919	891	917	893	705	593	552	593	599	---
24	883	903	903	922	924	886	692	611	549	592	599	---
25	882	931	903	937	904	878	673	635	554	587	599	---
26	883	916	896	939	912	853	661	645	555	588	602	---
27	890	886	906	946	896	851	671	649	559	585	606	---
28	878	906	933	887	889	841	655	647	555	587	603	---
29	898	909	923	953	---	840	670	667	561	587	606	---
30	878	925	827	945	---	831	639	637	558	584	605	---
31	875	---	908	948	---	825	---	623	---	885	605	---
MONTH	871	907	893	931	924	901	727	548	570	583	598	---

PLATTE RIVER BASIN

06674500 NORTH PLATTE RIVER AT WYOMING-NEBRASKA STATE LINE--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.5	12.5	5.5	0.5	5.5	10.0	9.0	5.5	15.5	20.5	20.5	20.0
2	10.5	10.5	5.5	0.5	5.5	10.0	9.0	10.0	15.0	20.5	20.0	20.5
3	10.5	10.5	0.5	0.5	5.0	10.0	8.0	10.5	15.5	22.0	25.0	20.0
4	10.0	10.5	0.5	0.5	6.5	8.0	9.0	10.5	15.0	20.5	22.0	20.5
5	10.5	10.5	0.5	0.5	6.0	8.0	10.5	12.0	15.0	20.5	20.5	20.5
6	10.0	10.5	0.5	0.5	4.5	9.0	11.0	10.0	15.0	22.0	23.0	20.0
7	10.0	10.0	0.5	0.5	4.0	10.0	6.0	10.0	15.5	20.5	23.0	20.0
8	10.5	10.5	0.5	5.5	4.0	10.0	6.0	10.5	18.5	20.5	22.0	---
9	10.5	10.5	0.5	5.5	5.0	10.0	8.0	10.5	20.0	20.5	20.5	---
10	10.5	10.5	0.5	5.5	5.0	10.5	9.5	11.5	20.0	20.0	20.5	---
11	10.5	10.5	0.5	5.5	5.0	11.0	10.5	13.5	19.0	21.5	20.0	---
12	10.5	5.5	0.5	5.5	5.5	12.0	10.5	11.5	18.0	20.5	20.5	---
13	10.5	5.5	0.5	5.5	5.0	10.0	10.5	10.5	20.0	17.0	20.5	---
14	10.5	5.5	0.5	5.5	5.5	3.0	10.5	15.0	18.0	20.0	22.0	---
15	10.5	5.5	0.5	5.5	5.5	10.5	10.5	15.0	17.0	20.0	23.0	---
16	10.0	5.0	0.5	5.5	5.5	10.0	10.0	15.5	15.0	20.5	20.5	---
17	10.5	5.0	5.5	5.5	5.5	11.0	10.5	15.5	15.5	20.5	22.5	---
18	10.5	5.0	5.5	5.5	5.5	9.0	11.0	15.5	10.5	20.0	20.5	---
19	10.5	5.5	5.5	5.5	6.0	10.0	5.5	15.5	15.0	19.0	23.0	---
20	10.5	5.5	5.5	4.5	5.5	11.0	10.5	18.0	15.5	15.5	23.0	---
21	10.5	5.5	5.5	5.0	6.0	7.0	9.0	15.0	15.5	15.5	24.0	---
22	10.5	5.5	5.5	4.5	8.0	10.0	10.0	15.5	18.0	15.5	23.0	---
23	10.5	5.0	5.5	5.0	9.0	7.0	10.5	15.5	20.5	20.0	22.0	---
24	10.5	5.5	5.5	6.0	10.0	5.0	9.5	15.0	19.0	20.0	23.0	---
25	10.5	5.5	5.0	5.5	10.0	5.0	9.0	15.5	20.5	20.5	23.0	---
26	10.5	5.0	8.5	5.0	10.0	10.0	9.0	13.0	20.0	20.5	23.0	---
27	10.5	5.5	8.5	2.0	10.5	8.5	10.5	10.0	20.5	20.5	23.0	---
28	10.5	5.5	5.5	1.0	10.0	8.0	10.5	16.0	20.0	20.5	23.0	---
29	10.0	5.0	5.5	5.0	---	5.0	10.0	12.0	20.5	20.5	22.0	---
30	10.0	5.0	0.5	5.5	---	2.0	5.5	15.5	20.5	20.5	22.0	---
31	10.5	---	0.5	5.5	---	9.0	---	15.5	---	20.0	22.0	---
MONTH	10.5	7.5	3.0	4.0	6.5	8.5	9.5	13.0	17.5	20.0	22.0	---

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TEMPERATURE (DEG C) (00010)	DIS- CHARGE (CFS) (00060)	SUS- PENDE SEDI- MENT (MG/L) (80154)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY) (80159)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)	SUS. SED. FALL DIAM. % FINER THAN .015 MM (70340)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70346)	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM (70346)
OCT.												
13...	1330	14.0	502	30	41	--	--	--	--	--	--	--
NOV.												
08...	1340	10.5	444	66	79	--	--	--	--	--	--	--
DEC.												
30...	1140	.0	258	36	25	--	--	--	--	--	--	--
JAN.												
16...	1100	4.5	308	63	52	--	--	--	--	--	--	--
FEB.												
12...	1710	5.5	285	37	28	--	--	--	--	--	--	--
MAR.												
20...	1405	11.0	318	64	55	--	--	--	--	--	--	--
APR.												
11...	1145	9.0	1250	119	402	--	--	--	--	--	--	--
MAY												
01...	1330	5.0	4770	690	8890	41	50	60	68	79	94	100
JUNE												
21...	1330	17.0	6750	39	711	--	--	--	--	--	--	--
JULY												
10...	1220	23.0	3420	86	794	--	--	--	--	--	--	--
AUG.												
13...	1640	21.5	3820	152	1570	--	--	--	--	--	--	--
SEP.												
10...	1540	20.5	2020	288	1570	--	--	--	--	--	--	--

PLATTE RIVER BASIN

39

06677500 HORSE CREEK NEAR LYMAN, NEBR.

LOCATION.--Lat $41^{\circ}56'21''$, long $103^{\circ}59'13''$, in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.25, T.23 N., R.58 W., Scotts Bluff County, at gaging station at county highway bridge 1.8 mi (2.9 km) upstream from mouth, 2.2 mi (3.5 km) downstream from Owl Creek, and 3.2 mi (5.1 km) northeast of Lyman.

DRAINAGE AREA.--1,570 mi² (4,070 km²), approximately, of which about 40 mi² (104 km²) is noncontributing.

PERIOD OF RECORD.--Chemical analyses: July 1970 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (000660)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00408)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)
OCT.							
06...	1330	90	1390	8.1	12.0	10	8.8
12...	1330	70	1750	8.1	14.0	15	8.7
20...	1400	60	795	8.1	12.0	15	10.2
27...	1310	52	1630	8.4	9.0	15	11.8
NOV.							
03...	1330	60	1020	8.2	10.0	30	10.7
10...	1330	51	1200	8.2	8.0	15	13.4
17...	1400	48	940	8.2	4.0	30	11.6
22...	1330	43	1180	8.4	6.0	25	11.5
30...	1330	36	1240	8.3	6.0	20	14.6
DEC.							
08...	1300	22	1580	7.6	1.0	15	12.8
15...	1300	18	1080	8.0	1.0	20	10.8
21...	1330	38	1270	8.2	6.0	20	12.2
28...	1315	37	1380	8.1	5.0	20	12.5
JAN.							
18...	1330	41	1230	8.4	8.0	30	10.6
FEB.							
16...	1330	31	1750	8.3	8.0	40	12.1
MAR.							
26...	1315	42	2000	8.4	13.0	55	11.3
APR.							
24...	1330	203	790	7.9	14.0	120	10.6
MAY							
18...	1330	180	930	7.7	22.0	80	8.3
JUNE							
25...	1300	173	950	7.6	22.0	70	9.4
JULY							
02...	1300	100	975	7.8	23.0	65	7.5
09...	1245	83	1220	7.7	23.0	95	9.0
16...	1300	74	1820	7.7	24.0	90	8.6
23...	1300	227	680	7.7	20.0	120	9.7
30...	1315	188	920	7.5	22.0	80	9.6
AUG.							
06...	1300	132	1040	7.6	23.0	85	9.7
13...	1245	109	1100	7.6	22.0	55	9.6
20...	1300	91	420	7.9	23.0	45	9.4
27...	1300	98	1400	7.9	23.0	80	9.3
SEP.							
04...	1300	178	865	7.8	19.0	95	10.2
10...	1300	281	885	7.6	21.0	95	8.7
17...	1245	458	785	7.9	14.0	70	10.1
24...	1315	395	850	7.8	17.0	40	9.8

PLATTE RIVER BASIN

06678000 SHEEP CREEK NEAR MORRILL, NEBR.

LOCATION.--Lat 41°57'50", Long 103°56'20", in NW¼SW¼ sec.16, T.23 N., R.57 W., Scotts Bluff County, at gaging station at Burlington Northern Inc. bridge 50 ft (15 m) downstream from bridge on U.S. Highway 26, 1 mi (1.6 km) west of Morrill, and 1.5 mi (2.4 km) upstream from mouth.

DRAINAGE AREA.--362 mi² (938 km²), of which about 25 mi² (65 km²) is noncontributing.

PERIOD OF RECORD.--Chemical analyses: July 1970 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SiO ₂) (MG/L) (00955)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO ₃) (MG/L) (00440)	CAR- BONATE (CO ₃) (MG/L) (00445)	ALKA- LINIT- AS CACO ₃ (MG/L) (00410)	DIS- SOLVED SULFATE (SO ₄) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)
APR. 24...	75	51	79	19	56	12	250	0	212	180	15
SEP. 24...	132	56	80	19	66	12	261	0	214	170	14
DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS- SOLVED PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED BORON (B) (MG/L) (01020)	DIS- SOLVED SUM OF CONSTI- TUENTS (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (MG/L) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA, MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
APR. 24...	.6	2.4	.05	100	551	.75	112	280	64	1.5	3
SEP. 24...	.6	2.3	.14	120	557	.76	199	280	64	1.7	3

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)
OCT.							
06...	0900	127	830	7.9	9.0	10	9.1
12...	0900	122	760	7.7	9.0	10	8.4
20...	0900	125	825	7.4	9.0	10	9.9
27...	0900	114	915	7.6	7.0	10	10.1
NOV.							
03...	0900	119	1150	7.5	9.0	30	9.0
10...	0900	110	795	7.4	8.0	15	11.7
17...	0900	110	1150	7.5	7.0	25	11.1
22...	0900	104	855	7.8	4.0	15	10.2
30...	0900	98	945	7.9	5.0	5	10.6
DEC.							
08...	0900	98	840	7.6	3.0	55	10.2
15...	0900	97	855	7.6	2.0	85	9.8
21...	0900	97	1140	7.4	9.0	60	9.7
28...	0900	92	1000	7.3	8.0	40	9.9
JAN.							
18...	0900	88	920	7.6	9.0	50	9.4
FEB.							
16...	0900	73	1120	7.4	5.0	45	10.6
MAR.							
26...	0900	76	1110	8.2	8.0	15	10.2
APR.							
24...	0830	75	820	7.6	11.0	15	10.3
MAY							
18...	0900	72	830	7.5	12.0	20	8.8
JUNE							
25...	0900	3.5	840	7.5	15.0	5	9.3
JULY							
02...	0900	9.5	680	7.2	14.0	20	8.9
09...	0815	9.5	787	7.3	15.5	15	8.8
16...	0900	11	645	7.4	17.0	15	8.7
23...	0900	11	635	7.4	15.0	20	9.1
30...	0900	8.4	765	7.3	15.0	10	8.9
AUG.							
06...	0900	9.5	745	7.3	16.0	15	9.5
13...	0845	7.8	720	7.4	14.0	10	9.1
20...	0830	8.1	680	7.6	15.0	10	8.7
27...	0845	8.4	700	7.3	14.0	15	8.5
SEP.							
04...	0845	8.1	640	7.5	12.0	15	9.3
10...	0845	8.4	805	7.3	13.0	15	9.7
17...	0900	13	750	7.3	10.0	10	9.9
24...	0900	132	785	7.3	12.0	15	10.0

PLATTE RIVER BASIN

41

06684500 NORTH PLATTE RIVER AT BRIDGEPORT, NEBR.

LOCATION.--Lat 41°40'39", long 103°05'45", in NW¼SW¼ sec.38, T.20 N., R.50 W., Morrill County, at gaging station at bridge on U.S. Highway 26, 0.5 mi (0.8 km) north of Bridgeport.

DRAINAGE AREA.--29,300 mi² (75,900 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: December 1970 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00000)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHO/C) (00000)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)
OCT.							
02...	1415	1670	970	7.5	16.5	50	8.6
11...	1430	1480	961	7.4	15.0	30	8.7
16...	1515	1660	975	7.5	15.0	25	8.8
24...	1100	1970	985	7.6	10.0	15	9.9
31...	1545	1450	1190	7.7	4.0	25	11.8
NOV.							
06...	1920	1640	1000	7.4	9.5	25	9.1
15...	1240	1400	1190	7.7	2.0	25	11.7
21...	1430	1330	985	7.5	4.5	20	12.2
DEC.							
01...	1530	1250	971	7.5	5.5	20	11.5
06...	0900	950	1060	7.4	.0	15	12.3
13...	1600	1250	1060	7.2	.0	10	10.2
19...	1500	1500	952	7.2	1.0	20	9.5
26...	1435	1300	904	7.6	6.0	30	12.8
JAN.							
19...	1400	1070	990	7.4	6.0	25	11.3
FEB.							
14...	1440	1050	982	7.3	5.0	20	11.7
MAR.							
22...	1440	1240	1020	7.6	11.0	35	9.8
APR.							
15...	1630	2440	876	7.4	15.5	75	8.5
MAY							
23...	1320	9240	710	7.3	20.5	35	7.1
JUNE							
26...	1540	5040	682	7.3	25.0	20	7.9
JULY							
03...	1405	3080	729	7.3	25.0	50	7.4
12...	1530	2080	699	7.4	26.5	50	7.2
17...	1615	2240	675	7.3	25.5	70	6.3
24...	1950	4080	768	7.4	21.0	60	7.8
31...	1525	3850	749	7.4	22.5	65	7.7
AUG.							
07...	1815	2890	730	7.7	22.0	50	6.8
14...	1600	3100	765	7.8	26.0	50	8.1
23...	1400	2990	730	7.8	25.0	45	8.5
28...	1600	3230	758	8.0	24.0	50	9.4
SEP.							
05...	1505	4620	706	7.7	20.0	55	10.6
11...	1550	3640	807	7.6	16.5	45	8.3
20...	1530	3690	972	7.6	17.5	40	8.9
25...	1520	3210	836	7.8	15.5	40	8.5

PLATTE RIVER BASIN

06685000 PUMPKIN CREEK NEAR BRIDGEPORT, NEBR.

LOCATION.--Lat $41^{\circ}37'38''$, long $103^{\circ}02'10''$, in SW $\frac{1}{4}$ sec.12, T.19 N., R.50 W., Morrill County, at gaging station at bridge on U.S. Highway 385 and State Highway 92, 0.5 mi (0.8 km) upstream from mouth and 4 mi (6 km) southeast of Bridgeport.

DRAINAGE AREA.--1,020 mi² (2,640 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: July 1970 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SI02) (MG/L) (00955)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LITY AS CAC03 (MG/L) (00410)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)
APR. 18...	30	41	53	11	48	8.6	297	0	244	32	9.9
DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS- SOLVED PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED BORON (B) (MG/L) (01020)	DIS- SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA, MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	COLOR (PLAT- INUM- COBALT UNITS) (00950)
APR. 18...	.6	1.9	.02	80	359	.49	29.1	180	0	1.6	4

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)
OCT.							
02...	1345	15	672	7.5	17.0	30	9.6
11...	1400	11	572	7.5	17.0	25	11.0
16...	1430	10	539	7.6	15.5	20	10.8
24...	1415	11	548	7.7	11.0	15	12.3
31...	1500	13	584	7.7	1.0	20	13.1
NOV.							
06...	1445	20	558	7.7	8.5	25	10.7
15...	1200	15	632	7.8	4.5	15	12.2
21...	1330	18	562	7.5	4.5	10	14.1
DEC.							
01...	1400	21	568	7.5	6.0	20	12.8
06...	1545	21	621	7.3	.0	30	12.0
13...	1455	12	579	7.3	.0	10	13.9
19...	1550	22	518	7.3	3.0	20	12.0
26...	1340	22	555	7.6	4.5	20	14.3
JAN.							
19...	1300	25	548	7.3	6.5	20	12.2
FEB.							
14...	1345	20	560	7.4	5.0	15	13.2
MAR.							
22...	1330	28	628	7.6	11.0	20	12.2
APR.							
18...	1445	30	539	7.3	16.5	20	9.8
MAY							
23...	1240	50	612	7.5	19.5	50	7.6
JUNE							
26...	1520	6.3	542	7.5	29.0	30	7.8
JULY							
03...	1530	5.0	502	7.4	28.5	25	7.9
12...	1600	.48	490	7.3	34.5	25	9.1
17...	1545	.48	478	7.2	34.0	25	9.7
24...	1520	21	728	7.5	21.5	45	8.5
31...	1445	20	658	7.5	24.0	40	8.2
AUG.							
07...	1800	6.7	532	7.4	20.0	30	6.0
14...	1530	4.3	508	8.0	31.0	25	10.4
23...	1310	3.0	528	7.9	29.0	35	10.6
28...	1325	4.0	508	7.8	29.5	40	9.1
SEP.							
05...	1300	21	602	7.5	20.0	55	11.6
11...	1525	36	661	7.7	17.0	55	9.0
20...	1615	27	726	7.6	18.5	25	9.6
25...	1415	17	546	7.7	15.0	15	9.0

06686000 NORTH PLATTE RIVER AT LISCO, NEBR.

LOCATION.--Lat 41°29'18", long 102°37'25", in NW¼SE¼ sec.33, T.18 N., R.46 W., Garden County, at gaging station at highway bridge 0.5 mi (0.8 km) south of Lisco.

DRAINAGE AREA.--30,700 mi² (79,500 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: March 1970 to September 1973.

Water temperatures: October 1970 to September 1973.

EXTREMES.--1972-73:

Specific conductance: Maximum daily, 988 micromhos Jan. 6; minimum daily, 596 micromhos May 21.

Water temperatures: Maximum, 29.0°C July 10, 12; minimum, freezing point on several days in December.

Period of record:

Specific conductance: Maximum daily, 1,100 micromhos Jan. 6, 1971; minimum daily, 578 micromhos Dec. 30, 1970.

Water temperatures: Maximum (1971-73), 31.0°C July 19, 1972; minimum, freezing point on many days during winter period.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (000640)	DIS- SOLVED SILICA (SiO ₂) (MG/L) (009955)	DIS- SOLVED ALUM- INUM (AL) (UG/L) (011066)	DIS- SOLVED IRON (FE) (UG/L) (010446)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (010556)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (009115)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (009256)	DIS- SOLVED SODIUM (NA) (K) (MG/L) (009330)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (009335)	BICAR- BONATE (HCO ₃) (MG/L) (004440)	CAR- BONATE (CO ₃) (MG/L) (004445)
OCT.											
11...	1720	--	--	--	--	74	19	86	9.4	298	0
NOV.											
15...	1400	--	--	--	--	78	19	86	9.5	309	0
DEC.											
20...	1750	--	--	--	--	81	19	88	9.9	302	0
JAN.											
19...	1410	--	--	--	--	77	19	83	10	310	0
FEB.											
14...	1180	--	--	--	--	83	19	89	10	320	0
MAR.											
20...	1210	--	--	--	--	79	19	89	9.8	314	0
APR.											
19...	2500	24	40	50	30	71	21	73	8.0	253	0
MAY											
23...	7800	--	--	--	--	68	18	53	7.9	221	0
JUNE											
20...	6200	--	--	--	--	60	18	54	6.0	221	0
JULY											
24...	4830	--	--	--	--	69	18	67	7.9	246	0
AUG.											
21...	3990	--	--	--	--	67	18	66	8.2	225	9
SEP.											
18...	4790	30	10	30	0	72	19	78	9.7	265	0

DATE	ALKA- LINIT AS CaCO ₃ (MG/L) (00410)	DIS- SOLVED SULFATE (SO ₄) (MG/L) (00943)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00944)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRATE (N) (MG/L) (00618)	DIS- SOLVED NITRITE (N) (MG/L) (00613)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L) (00608)	ORGANIC NITRO- GEN (N) (MG/L) (00605)
OCT.											
11...	244	190	20	--	1.6	.00	--	1.6	--	.04	.41
NOV.											
15...	293	186	21	--	2.4	.00	--	2.4	--	.08	.57
DEC.											
20...	248	190	22	--	2.4	.00	--	2.4	.08	.08	.42
JAN.											
19...	254	180	20	--	2.1	.02	--	2.1	.10	.10	1.2
FEB.											
14...	262	200	22	--	2.3	.01	--	2.3	.07	--	.73
MAR.											
20...	258	190	23	--	2.5	.01	2.1	2.5	.08	--	.84
APR.											
19...	208	200	18	.5	1.1	.00	1.1	1.1	.20	--	1.4
MAY											
23...	181	160	13	--	.02	.00	.00	.02	.09	--	.67
JUNE											
20...	181	150	12	--	.15	.01	.19	.16	.06	--	.60
JULY											
24...	202	170	10	--	.86	.00	1.1	.87	--	--	--
AUG.											
21...	280	170	15	--	.98	.01	.97	.99	.10	--	1.1
SEP.											
18...	217	180	17	.3	1.1	.01	1.1	1.1	.06	--	.60

PLATTE RIVER BASIN

06686000 NORTH PLATTE RIVER AT LISCO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TOTAL KJEL- DAHL- NITRO- GEN (N) (00625)	TOTAL NITRO- GEN (N) (00600)	TOTAL PHOS- PHORUS (P) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (00666)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS PER AC-FT (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA, MG) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
OCT.											
11...	.45	2.1	--	--	--	--	--	260	19	2.3	5
NOV.											
15...	.65	3.1	--	--	--	--	--	270	20	2.3	20
DEC.											
20...	.50	2.9	--	.05	--	--	--	280	33	2.3	7
JAN.											
19...	1.3	3.4	--	.08	--	--	--	270	16	2.2	3
FEB.											
14...	.80	--	--	.05	--	--	--	290	23	2.3	2
MAR.											
20...	.92	3.0	.12	.07	--	--	--	280	18	2.3	3
APR.											
18...	1.6	2.7	.33	.04	951	.75	3870	260	57	2.0	20
MAY											
23...	.76	.76	--	.03	--	--	--	240	55	1.5	40
JUNE											
26...	.66	.85	--	.01	--	--	--	220	43	1.6	20
JULY											
24...	--	--	--	.06	--	--	--	250	48	1.9	8
AUG.											
21...	1.2	2.2	--	.00	--	--	--	240	42	1.8	20
SEP.											
18...	.66	1.8	.25	--	543	.74	7010	260	41	2.1	8

DATE	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)	CYANIDE (CN) (MG/L) (00720)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)	DIS- SOLVED BARIUM (BA) (UG/L) (01005)	DIS- SOLVED BERYL- LIUM (BE) (UG/L) (01010)	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L) (01032)	DIS- SOLVED COBALT (CO) (UG/L) (01035)	DIS- SOLVED COPPER (CU) (UG/L) (01040)
OCT.											
11...	.9	--	--	--	--	--	--	--	--	--	--
NOV.											
15...	1.5	--	.0	--	--	--	--	--	--	--	--
DEC.											
20...	1.1	--	.0	--	--	--	--	--	--	--	--
JAN.											
19...	2.5	--	.0	--	--	--	--	--	--	--	--
FEB.											
14...	2.4	--	.0	--	--	--	--	--	--	--	--
MAR.											
20...	2.1	--	.0	--	--	--	--	--	--	--	--
APR.											
18...	3.2	.00	.0	13	0	0	100	0	0	1	11
MAY											
23...	2.9	--	.0	--	--	--	--	--	--	--	--
JUNE											
26...	1.1	--	.0	--	--	--	--	--	--	--	--
JULY											
24...	.5	--	--	--	--	--	--	--	--	--	--
AUG.											
21...	2.5	--	.0	--	--	--	--	--	--	--	--
SEP.											
18...	1.7	.01	.0	6	0	0	130	0	0	0	6

06686000 NORTH PLATTE RIVER AT LISCO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- SOLVED LEAD (PB) (01049)	DIS- SOLVED LITHIUM (LI) (01130)	DIS- SOLVED MERCURY (HG) (01090)	DIS- SOLVED MOLYB- DENUM (MO) (01060)	DIS- SOLVED NICKEL (NI) (01065)	DIS- SOLVED SELE- NIUM (SE) (01145)	DIS- SOLVED SILVER (AG) (01075)	DIS- SOLVED STRON- TIUM (SR) (01080)	DIS- SOLVED VANA- DIUM (V) (01085)	DIS- SOLVED ZINC (ZN) (01090)
OCT.										
11...	--	--	--	--	--	--	--	--	--	--
NOV.										
18...	--	--	--	--	--	--	--	--	--	--
DEC.										
28...	--	--	--	--	--	--	--	--	--	--
JAN.										
19...	--	--	--	--	--	--	--	--	--	--
FEB.										
14...	--	--	--	--	--	--	--	--	--	--
MAR.										
28...	--	--	--	--	--	--	--	--	--	--
APR.										
18...	3	30	.1	4	4	6	0	700	5.2	100
MAY										
23...	--	--	--	--	--	--	--	--	--	--
JUNE										
28...	--	--	--	--	--	--	--	--	--	--
JULY										
24...	--	--	--	--	--	--	--	--	--	--
AUG.										
21...	--	--	--	--	--	--	--	--	--	--
SEP.										
18...	3	30	.3	4	2	6	0	690	4.6	100

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREPT- TOCOCCI (COL- ONIES PER 100 ML) (31679)
OCT.									
02...	1015	1020	960	7.3	14.0	65	8.6	--	--
11...	1140	1720	1010	7.4	14.0	35	9.0	--	--
16...	1130	1700	901	7.4	12.0	30	9.4	--	--
25...	1230	1610	975	7.6	10.0	25	10.0	--	--
NOV.									
06...	0915	1720	998	7.6	6.5	30	9.7	--	--
18...	1000	1490	1080	7.6	5	20	11.8	--	--
21...	1130	1560	970	7.5	2.5	25	12.5	--	--
DEC.									
01...	1215	1420	958	7.5	3.5	20	11.8	--	--
06...	1350	1000	1060	7.4	.0	40	10.3	--	--
13...	0945	1320	995	7.2	.0	10	10.3	--	--
20...	1230	1750	925	7.2	2.0	20	11.7	--	--
26...	1200	1950	922	7.5	3.0	35	13.7	--	--
JAN.									
19...	1050	1410	916	7.4	2.0	65	12.6	--	--
FEB.									
14...	1145	1180	982	7.4	1.5	30	12.7	--	--
MAR.									
20...	1500	1210	940	7.6	11.0	25	10.4	43	4
APR.									
18...	1215	2600	868	7.3	16.0	50	8.9	60	120
MAY									
23...	0915	7800	698	7.3	19.0	25	7.2	44	340
JUNE									
26...	1200	6200	710	7.4	25.5	25	8.3	6	59
JULY									
03...	1240	3430	736	7.2	25.5	60	7.1	--	--
10...	1330	2500	708	7.5	27.5	65	7.2	--	--
16...	1200	2360	722	7.4	26.0	85	8.6	--	--
24...	1145	4630	770	7.4	21.0	80	7.8	230	1100
31...	1140	4470	790	7.4	22.0	45	7.7	--	--
AUG.									
07...	1230	3260	828	7.7	23.5	65	7.1	--	--
14...	1205	3600	762	7.5	23.5	65	7.9	--	--
21...	1215	3090	765	7.6	25.0	50	7.4	120	330
28...	1130	3220	725	7.9	23.5	65	8.6	--	--
SEP.									
05...	1410	4530	758	7.7	19.0	70	11.9	--	--
11...	1215	4440	778	7.5	17.0	40	8.8	--	--
18...	1230	4780	880	7.7	15.0	65	12.1	1600	1900
25...	1135	3580	825	7.8	15.0	55	8.3	--	--

PLATTE RIVER BASIN

06686000 NORTH PLATTE RIVER AT LISCO, NEBR.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	848	847	874	945	867	877	829	804	717	683	711	689
2	847	857	878	950	873	880	842	812	704	696	702	683
3	864	902	952	942	911	869	858	746	687	701	705	708
4	872	904	929	933	879	848	869	771	689	711	711	702
5	881	904	973	942	872	879	851	760	685	753	717	703
6	873	904	941	988	837	886	835	762	681	701	715	700
7	862	897	957	890	841	890	781	766	669	708	708	705
8	837	917	954	902	928	881	825	743	670	709	711	715
9	874	912	967	950	888	845	839	700	671	710	723	690
10	864	882	962	953	859	885	827	675	671	706	718	734
11	886	904	957	953	863	877	835	662	672	712	702	696
12	876	898	927	947	843	883	782	649	671	718	766	712
13	884	881	947	876	869	885	837	638	669	722	705	775
14	874	862	944	875	883	870	839	635	668	717	717	773
15	872	894	835	860	888	844	829	635	665	716	718	737
16	876	894	931	845	888	893	835	641	665	717	718	737
17	884	909	924	843	888	904	770	661	668	722	715	744
18	873	903	908	837	879	901	780	644	670	715	715	746
19	874	901	860	854	871	888	780	628	671	772	734	752
20	871	903	862	870	889	894	785	598	669	772	720	747
21	877	911	839	899	879	885	786	596	665	779	720	750
22	880	913	843	961	861	866	747	640	664	768	723	754
23	876	908	860	890	856	881	740	675	663	763	725	757
24	883	911	861	894	861	915	768	691	660	759	696	749
25	879	893	856	882	871	888	787	704	658	723	705	744
26	863	899	872	890	870	888	782	690	668	719	705	740
27	866	905	881	931	864	870	780	695	663	724	722	742
28	892	906	876	910	869	859	785	728	669	721	705	734
29	882	828	890	887	---	802	779	722	675	713	713	736
30	866	891	820	877	---	824	764	733	669	716	702	773
31	870	---	941	897	---	872	---	730	---	714	711	---
MONTH	872	895	904	906	873	875	805	695	673	725	715	731

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	4.0	5.0	1.5	3.5	9.0	11.0	7.0	17.0	23.0	22.0	20.0
2	15.0	4.0	6.0	1.5	4.0	9.0	8.5	6.0	19.0	27.0	21.0	19.0
3	15.0	5.0	0.5	1.0	5.0	9.0	5.5	8.0	17.0	27.0	22.0	19.0
4	13.0	7.0	0.5	0.5	6.0	9.0	3.0	16.0	16.0	24.0	21.0	20.0
5	13.0	9.0	0.5	2.0	9.0	5.0	14.0	13.0	17.0	23.0	22.0	21.0
6	9.0	8.0	0.5	1.0	3.0	5.0	13.5	13.0	17.0	24.0	22.0	21.0
7	13.0	8.0	0.5	1.0	2.0	5.0	10.0	13.0	19.0	24.0	23.0	21.0
8	12.0	6.5	0.0	1.0	1.0	5.0	7.0	13.5	21.0	24.0	25.0	21.0
9	15.5	8.0	0.0	2.0	1.0	7.0	7.0	13.5	21.0	28.0	26.0	20.0
10	17.0	8.0	0.0	2.0	2.0	5.0	7.0	12.0	22.0	29.0	27.0	23.0
11	15.0	7.0	0.5	3.0	3.0	10.5	9.0	11.0	20.0	27.0	27.0	19.0
12	15.0	5.0	0.0	2.0	2.0	11.0	11.0	17.0	21.0	29.0	27.0	16.0
13	11.0	4.0	1.0	3.5	1.0	9.0	15.0	12.0	21.0	26.0	25.0	16.0
14	12.0	3.0	1.0	4.0	3.5	7.0	14.0	12.0	21.0	25.0	27.0	17.0
15	13.0	1.5	3.0	3.5	2.0	4.0	10.0	13.5	21.0	23.0	26.0	16.0
16	11.5	5.0	0.0	3.0	2.0	7.0	10.0	15.0	19.0	21.0	25.0	12.0
17	10.0	5.0	1.5	3.0	1.5	14.0	10.0	16.0	20.0	27.0	23.0	18.0
18	8.0	5.0	1.5	1.0	5.0	13.0	10.0	16.0	16.0	25.0	23.0	18.0
19	7.5	5.0	1.5	0.5	5.5	10.0	9.0	17.0	16.0	25.0	23.0	19.0
20	8.0	3.0	2.0	2.0	4.0	7.0	7.0	17.0	15.0	25.0	23.0	17.0
21	9.5	3.0	3.0	2.0	5.0	7.0	5.0	18.0	16.0	19.0	23.0	18.0
22	12.0	1.0	1.0	2.0	7.0	11.0	11.0	17.0	19.0	17.0	23.0	18.0
23	11.0	2.5	1.5	2.0	10.0	11.0	13.0	18.0	21.0	19.0	27.0	18.0
24	12.0	3.0	2.0	2.0	10.0	7.0	12.0	18.0	23.0	20.0	24.0	18.0
25	12.0	3.0	1.5	3.0	10.0	7.0	9.0	17.0	21.0	20.0	25.0	19.0
26	12.0	3.5	1.0	3.0	11.0	7.0	9.0	16.0	21.0	21.0	25.0	16.0
27	10.5	4.0	1.5	2.0	11.0	6.0	14.0	10.0	22.0	22.0	25.0	14.0
28	8.0	4.0	1.5	1.0	10.0	5.0	15.0	12.0	22.0	22.0	25.0	14.0
29	8.0	0.5	1.0	2.0	---	7.0	13.5	12.0	23.0	22.0	25.0	14.0
30	2.0	5.0	1.0	3.0	---	6.0	10.0	13.0	23.0	24.0	24.0	15.0
31	5.5	---	1.5	3.0	---	8.0	---	17.0	---	22.0	25.0	---
MONTH	11.0	4.5	1.5	2.0	5.0	8.0	10.0	14.0	19.5	23.5	24.0	18.0

PLATTE RIVER BASIN

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06762550 LODGEPOLE CREEK AT KIMBALL, NEBR

LOCATION.--Lat 41°14'50", long 103°38'32", in NW¼SW¼NW¼ sec.28, T.15 N., R.55 W., Kimball County, at bridge on county road 0.8 mi (1.3 km) north of U.S. Highway 30 at east edge of Kimball.

PERIOD OF RECORD.--Chemical analyses: March 1973 to September 1973.

WATER QUALITY DATA, MARCH 1973 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SI02) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HC03) (MG/L) (00440)	CAR- BONATE (C03) (MG/L) (00445)	ALKA- LENITY AS CAC03 (MG/L) (00410)
MAR. 21...	10	--	--	--	--	--	--	--	--	--	--
APR. 25...	11	35	0	20	56	13	26	7.0	238	0	195
MAY 24...	4.2	--	--	--	--	--	--	--	--	--	--
JUNE 27...	2.0	--	--	--	--	--	--	--	--	--	--
JULY 25...	7.7	42	40	20	68	17	34	11	284	0	233
AUG. 22...	1.1	--	--	--	--	--	--	--	--	--	--
SEP. 19...	4.6	--	--	--	--	--	--	--	--	--	--

DATE	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L) (00608)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)
MAR. 21...	--	23	--	1.6	.94	--	1.3	2.2	.50	.38	353
APR. 25...	31	21	.7	1.3	.77	--	1.3	2.1	.48	.34	--
MAY 24...	--	30	--	1.7	1.3	--	.90	2.2	.98	.92	386
JUNE 27...	--	--	--	--	--	--	--	--	--	--	--
JULY 25...	39	29	.9	1.9	.90	--	.00	.74	.47	.41	--
AUG. 22...	--	27	--	1.1	.19	--	.35	.54	1.7	1.4	384
SEP. 19...	--	27	--	1.6	.66	.66	.32	.98	.64	.57	416

PLATTE RIVER BASIN

06762550 LODGEPOLE CREEK AT KIMBALL, NEBR.--Continued

WATER QUALITY DATA, MARCH 1973 TO SEPTEMBER 1973

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA+MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)
MAR. 21...	--	.48	9.53	--	--	--	571	--	4.7	--
APR. 25...	313	.43	9.30	190	0	.8	493	20	7.1	7
MAY 24...	--	.53	4.38	--	--	--	591	--	7.2	--
JUNE 27...	--	--	--	--	--	--	--	--	8.0	--
JULY 25...	387	.53	8.05	230	0	1.0	604	20	6.9	--
AUG. 22...	--	.52	1.14	--	--	--	563	--	2.0	--
SEP. 19...	--	.57	5.17	--	--	--	828	--	3.4	--

DATE	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (MG) (71900)	DIS- SOLVED MERCURY (MG) (UG/L) (71890)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)	DIS- SOLVED SILVER (AG) (UG/L) (01075)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
MAR. 21...	--	--	--	--	--	--	--	--	--	--
APR. 25...	140	0	0	13	4	.2	.1	2	0	20
MAY 24...	--	--	--	--	--	--	--	--	--	--
JUNE 27...	--	--	--	--	--	--	--	--	--	--
JULY 25...	150	--	--	--	--	--	--	--	--	--
AUG. 22...	--	--	--	--	--	--	--	--	--	--
SEP. 19...	--	--	--	--	--	--	--	--	--	--

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL- ONIES PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
MAR. 21...	1220	10	7.6	6.0	40	10.8	51990	11990
APR. 25...	1130	11	7.7	4.5	40	12.8	34990	13990
MAY 24...	1200	4.2	7.5	17.0	20	6.9	10990	3600
JUNE 27...	1030	2.0	7.0	28.0	10	2.6	1100	200
JULY 25...	1130	7.7	7.3	21.5	15	8.9	4900	3700
AUG. 22...	1110	1.1	8.0	20.0	10	9.3	1500	820
SEP. 19...	1110	4.6	7.9	16.5	15	10.6	2000	280

PLATTE RIVER BASIN

06764000 SOUTH PLATTE RIVER AT JULESBURG, COLO.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TOTAL IRON (FE) (01045)	DIS- SOLVED IRON (FE) (01046)	TOTAL LEAD (PB) (01051)	DIS- SOLVED LEAD (PB) (01049)	TOTAL MAN- GANESE (MN) (01055)	DIS- SOLVED MAN- GANESE (MN) (01056)	TOTAL MERCURY (HG) (01900)	DIS- SOLVED MERCURY (HG) (01890)	TOTAL SELE- NIUM (SE) (01147)	DIS- SOLVED SELE- NIUM (SE) (01145)	TOTAL ZINC (ZN) (01092)	DIS- SOLVED ZINC (ZN) (01090)
FEB. 22...	6400	20	<100	3	420	10	.2	.0	3	3	100	30
MAR. 26...	--	--	--	--	--	--	--	--	--	--	--	--
APR. 20...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 26...	18000	100	100	0	1400	0	.1	.0	--	7	960	80
JUNE 25...	--	--	--	--	--	--	--	--	--	--	--	--
JULY 19...	0	40	50	5	350	320	.0	--	2	2	40	20
AUG. 31...	--	--	--	--	--	--	--	--	--	--	--	--
SEP. 26...	--	--	--	--	--	--	--	--	--	--	--	--

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
FEB. 22...	1400	654	8.1	5.5	11.4	20	420
MAR. 26...	1415	1130	8.0	8.0	9.8	32	150
APR. 20...	1400	1730	8.2	10.0	9.7	320	--
MAY 26...	1230	9850	7.8	17.5	8.4	380	3000
JULY 19...	0945	--	--	19.0	8.6	--	--
19...	1000	--	--	19.0	8.6	--	--
19...	1015	--	--	19.0	8.8	--	--
19...	1030	--	--	19.0	8.8	--	--
19...	1045	--	--	19.0	8.9	--	--
19...	1100	--	--	19.3	9.0	--	--
19...	1115	--	--	19.5	9.0	--	--
19...	1130	--	--	19.5	9.0	--	--
19...	1145	--	--	19.5	9.0	--	--
19...	1200	--	--	19.5	8.9	--	--
19...	1215	--	--	19.3	8.6	--	--
19...	1230	90	8.0	19.5	8.6	120	250
19...	1245	--	--	19.5	8.3	--	--
19...	1300	--	--	19.5	8.3	--	--
19...	1315	--	--	19.5	8.4	--	--
19...	1330	--	--	19.5	8.4	--	--
19...	1345	--	--	19.5	8.5	--	--
19...	1400	--	--	19.5	8.4	--	--
19...	1415	--	--	19.5	8.2	--	--
19...	1430	--	--	19.5	8.0	--	--
19...	1445	--	--	19.0	8.0	--	--
19...	1500	--	--	19.0	7.8	--	--
19...	1515	--	--	19.0	7.8	--	--
19...	1530	--	--	19.0	7.8	--	--
19...	1545	--	--	19.0	7.8	--	--
19...	1600	--	--	19.0	7.8	--	--
19...	1615	--	--	19.0	7.8	--	--
19...	1630	--	--	19.0	7.9	--	--
19...	1645	--	--	19.0	8.0	--	--
19...	1700	--	--	19.0	8.1	--	--
19...	1715	--	--	19.0	8.2	--	--
19...	1730	--	--	19.0	8.3	--	--

PLATTE RIVER BASIN

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06764000 SOUTH PLATTE RIVER AT JULESBURG, COLO.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
JULY							
20...	0345	--	--	16.5	6.8	--	--
20...	0400	--	--	16.5	6.8	--	--
20...	0415	--	--	16.0	6.9	--	--
20...	0430	--	--	16.0	6.9	--	--
20...	0445	--	--	16.0	6.9	--	--
20...	0500	--	--	16.0	7.0	--	--
20...	0515	--	--	16.0	7.0	--	--
20...	0530	--	--	16.0	7.0	--	--
20...	0545	--	--	16.0	7.0	--	--
20...	0600	--	--	16.0	7.0	--	--
20...	0615	--	--	16.0	7.0	--	--
20...	0630	--	--	16.0	7.1	--	--
20...	0645	--	--	16.0	7.2	--	--
20...	0700	--	--	16.0	7.2	--	--
20...	0715	--	--	16.0	7.2	--	--
20...	0730	--	--	16.0	7.3	--	--
20...	0745	--	--	16.0	7.6	--	--
20...	0800	--	--	16.0	7.6	--	--
20...	0815	--	--	16.0	8.0	--	--
20...	0830	--	--	16.0	8.0	--	--
20...	0845	--	--	16.0	8.0	--	--
20...	0900	--	--	16.0	8.0	--	--
20...	0915	--	--	16.0	8.2	--	--
20...	0930	--	--	16.0	8.2	--	--
20...	0945	--	--	16.0	8.2	--	--
AUG.							
31...	1100	68	8.3	23.0	8.6	120	230

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	DIS- SOLVED OXYGEN (MG/L) (00300)
JULY			
19...	1745	19.0	8.4
19...	1800	19.5	8.5
19...	1815	20.0	8.5
19...	1830	20.0	8.4
19...	1845	20.0	8.4
19...	1900	20.0	8.0
19...	1915	20.0	8.0
19...	1930	19.5	7.6
19...	1945	19.5	7.4
19...	2000	19.5	7.4
19...	2015	19.0	7.2
19...	2030	19.0	7.0
19...	2045	19.0	6.8
19...	2100	19.0	6.8
19...	2115	18.5	6.8
19...	2130	18.5	6.6
19...	2145	18.5	6.6
19...	2200	18.5	6.6
19...	2215	18.0	6.6
19...	2230	18.0	6.6
19...	2245	18.0	6.6
19...	2300	18.0	6.6
19...	2315	18.0	6.6
19...	2330	18.0	6.6
19...	2345	18.0	6.6
19...	2400	17.5	6.6
20...	0015	17.5	6.6
20...	0030	17.0	6.6
20...	0045	17.0	6.6
20...	0100	17.0	6.6
20...	0115	17.0	6.6
20...	0130	17.0	6.6
20...	0145	17.0	6.6
20...	0200	17.0	6.6
20...	0215	17.0	6.7
20...	0230	17.0	6.7
20...	0245	16.5	6.8
20...	0300	16.5	6.8
20...	0315	16.5	6.8
20...	0330	16.5	6.8

PLATTE RIVER BASIN

06764000 SOUTH PLATTE RIVER AT JULESBURG, COLO.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEC. C), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
1	2000	1910	2050	2020	1860	1840	1880	1540	958
2	2000	1900	2060	2090	1840	1840	1880	1590	1010
3	2050	1930	2080	2060	1810	1800	1890	1550	1030
4	2080	2050	2230	2150	1740	1860	1900	1470	1000
5	2080	2140	2250	2140	1720	1860	1910	1310	1100
6	2080	2110	2370	2150	1700	1850	1930	1350	1140
7	2040	2090	2250	2220	1760	1870	1870	1320	1140
8	2070	2080	2270	2190	1820	1870	1790	1360	1110
9	2040	2070	2300	2280	1770	1840	1720	1160	1100
10	2070	2080	2380	2290	1910	1860	1770	807	1140
11	2100	2070	2370	2290	1890	1880	1820	801	1230
12	2080	2070	2900	2580	1840	1890	1840	775	1230
13	2100	1920	2480	2230	1800	1890	1800	807	1160
14	2090	2030	3420	2020	1830	1820	1800	845	1050
15	2110	2050	1880	1950	1840	1850	1820	826	950
16	2050	2080	2170	1860	1820	1900	1770	862	862
17	2060	2030	2240	1830	1820	1890	1770	860	837
18	2050	2070	2090	1800	1780	1910	1770	851	822
19	2060	2070	2050	1760	1790	1930	1760	860	801
20	2060	2060	2330	1700	1790	1910	1700	832	792
21	2050	2070	2090	1690	1810	1900	1720	835	886
22	2040	2080	2000	1740	1830	1820	1720	847	969
23	2050	2080	1900	1780	1820	1880	1720	864	1060
24	2070	2080	1880	1790	1870	1790	1590	799	1180
25	2050	2140	1870	1780	1830	1800	1600	760	1280
26	2040	2150	1860	1780	1830	1840	1640	728	1340
27	2040	2140	1830	1820	1830	1860	1640	730	1410
28	1980	2140	1820	1860	1830	1850	1680	753	1450
29	2020	2200	1780	1900	---	1850	1620	818	1480
30	2020	2150	1830	1920	---	1850	1500	840	1450
31	2050	---	1970	1910	---	1830	---	911	---
MONTH	2050	2070	2160	1990	1810	1860	1760	989	1100

DAY	JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	1300	1050	1180	1650	1220	1530
2	---	---	---	1100	890	960	1630	1140	1330
3	---	---	---	1360	1000	1190	1610	1580	1600
4	---	---	---	1400	1300	1360	1600	1580	1580
5	---	---	---	1380	1270	1320	1590	1550	1570
6	---	---	---	1380	1290	1360	1570	1540	1550
7	---	---	---	1390	1340	1380	1560	1520	1540
8	---	---	---	1410	1330	1380	1570	1520	1540
9	---	---	---	1410	1370	1390	1600	1370	1540
10	---	---	---	1440	1310	1400	1590	1400	1560
11	---	---	---	1440	1410	1420	1500	1160	1400
12	1620	1470	1530	1430	1430	1430	1150	1000	1070
13	1480	1400	1450	1440	1440	1440	1010	988	996
14	1640	1360	1490	1470	1450	1450	1070	1010	1040
15	1620	1480	1560	1560	1480	1510	1080	1070	1070
16	1590	1490	1530	1540	1450	1490	1200	1070	1130
17	1670	1480	1550	1480	1390	1440	1240	1200	1230
18	1640	1300	1560	1430	1350	1400	1300	1290	1300
19	1550	926	1310	1390	1350	1370	1360	1350	1350
20	---	---	---	1420	1370	1390	1410	1400	1400
21	---	---	---	1470	1420	1440	1460	1450	1460
22	---	---	---	1450	1440	1440	1510	1500	1510
23	---	---	---	1450	1450	1450	1560	1550	1560
24	---	---	---	1440	1440	1440	1610	1600	1610
25	---	---	---	1470	1250	1370	1650	1640	1650
26	1050	1040	1040	1630	1460	1570	1700	1640	1690
27	1060	1010	1040	1590	1560	1570	1640	1620	1630
28	1120	1070	1100	1580	1520	1560	1630	1610	1630
29	1140	1100	1110	1540	1400	1500	1630	1620	1620
30	1210	1100	1160	1530	1510	1520	1640	1630	1630
31	1310	1230	1270	1680	1520	1590	---	---	---
MONTH	---	---	---	1680	890	1410	1700	988	1440

PLATTE RIVER BASIN

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06764000 SOUTH PLATTE RIVER AT JULESBURG, COLO.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
1	9.0	4.5	2.0	0.0	0.0	4.5	6.5	8.0	16.5
2	12.0	5.5	2.0	0.0	0.0	5.5	9.0	6.5	18.0
3	15.5	9.0	0.0	0.0	0.0	4.5	5.5	10.0	18.0
4	11.0	11.0	0.0	0.0	0.0	4.5	4.5	11.0	18.0
5	14.5	4.5	0.0	0.0	3.5	4.5	5.5	15.5	14.5
6	9.0	6.5	0.0	0.0	1.0	2.0	10.0	14.5	15.5
7	10.0	4.5	0.0	0.0	0.0	2.0	5.5	11.0	18.0
8	14.5	5.5	0.0	0.0	0.0	3.5	3.5	12.0	19.0
9	20.0	10.0	0.0	0.0	0.0	5.5	3.5	13.5	19.0
10	18.0	4.5	0.0	0.0	0.0	5.5	4.5	14.5	20.0
11	12.0	5.5	0.0	0.0	0.0	5.5	11.0	15.5	21.0
12	15.5	4.5	0.0	0.0	1.0	5.5	10.0	15.5	19.0
13	9.0	4.5	0.0	0.0	0.0	8.0	11.0	14.5	19.0
14	10.0	4.5	0.0	1.0	0.0	4.5	13.5	14.5	21.0
15	10.0	2.0	0.0	0.0	0.0	6.5	10.0	15.5	20.0
16	10.0	4.5	0.5	1.0	0.0	3.5	8.0	15.5	19.0
17	10.0	4.5	0.0	0.0	0.0	4.5	10.0	18.0	18.0
18	8.0	2.0	0.5	1.0	0.0	6.5	11.0	18.0	16.5
19	6.5	3.5	0.0	0.0	1.0	6.5	12.0	18.0	13.5
20	5.5	2.0	1.0	0.0	0.0	5.5	9.0	20.0	14.5
21	9.0	3.5	0.0	1.0	1.0	5.5	9.0	19.0	15.5
22	10.0	4.5	1.0	0.0	1.0	8.0	10.0	18.0	16.5
23	8.0	0.0	1.0	0.0	2.0	8.0	11.0	16.5	20.0
24	5.5	0.0	1.0	0.0	4.5	6.5	13.5	16.5	20.0
25	10.0	0.0	1.0	0.0	4.5	4.5	10.0	18.0	20.0
26	6.5	1.0	2.0	0.0	4.5	4.5	8.0	13.5	20.0
27	8.0	4.5	1.0	0.0	4.5	8.0	9.0	11.0	21.0
28	8.0	0.0	1.0	0.0	5.5	4.5	12.0	13.5	21.0
29	8.0	0.0	0.0	0.0	---	4.5	11.0	14.5	21.0
30	2.0	1.0	0.0	0.0	---	5.5	11.0	13.5	21.0
31	4.5	---	0.0	1.0	---	4.5	---	15.5	---
MONTH	10.0	4.0	0.5	0.0	1.0	5.0	9.0	14.5	18.5

JULY			AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	27.5	20.0	25.0	15.0
2	---	---	27.5	19.5	19.0	14.0
3	---	---	29.5	20.0	22.0	11.0
4	---	---	28.5	20.0	23.5	12.5
5	---	---	29.5	21.0	25.0	12.0
6	---	---	30.0	20.5	24.5	12.5
7	---	---	25.5	19.5	24.5	13.5
8	---	---	28.5	16.5	19.0	15.5
9	---	---	28.0	17.0	23.0	15.0
10	---	---	30.0	17.0	25.5	16.5
11	---	---	30.0	18.0	18.0	14.5
12	29.0	22.0	29.0	16.0	14.5	13.0
13	24.0	18.0	28.0	15.5	17.0	14.0
14	26.5	18.5	30.5	15.5	17.0	9.5
15	28.5	16.0	29.0	15.5	17.0	14.5
16	23.5	18.5	28.0	17.0	14.5	13.5
17	20.5	18.5	29.0	16.0	13.0	13.0
18	18.5	16.0	28.0	18.0	14.0	13.0
19	20.0	18.0	28.5	16.5	15.5	14.0
20	---	---	28.0	17.0	15.5	14.5
21	---	---	26.5	17.0	15.5	14.5
22	---	---	26.5	18.0	15.0	14.5
23	---	---	27.5	17.0	15.5	14.5
24	---	---	26.5	18.5	15.5	15.0
25	---	---	27.5	17.0	15.0	14.0
26	25.5	22.5	29.0	17.0	14.5	13.0
27	25.0	22.0	27.5	16.5	14.5	12.5
28	27.0	21.0	27.0	16.0	12.0	11.0
29	27.5	22.0	27.5	17.0	12.0	11.0
30	24.5	20.5	27.0	17.0	13.5	12.0
31	26.0	18.5	27.0	16.5	---	---
MONTH	---	---	30.5	15.5	25.5	9.5

PLATTE RIVER BASIN

06764200 SOUTH PLATTE RIVER NEAR JULESBURG, COLO.

LOCATION.--Lat 41°00'59", long 102°10'34", in SE¼NW¼ sec.13, T.12 N., R.43 W., Deuel County, Nebr., at diversion to Western Canal about 1.7 mi (2.7 km) downstream from Colorado-Nebraska State line, 4.7 mi (7.6 km) downstream from gaging station at Julesburg, and about 6 mi (9.7 km) northeast of Julesburg.

DRAINAGE AREA.--23,200 mi² (60,100 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: July 1969 to June 1973 (discontinued).

WATER QUALITY DATA, OCTOBER 1972 TO JUNE 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SI02) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MNI) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00448)
OCT. 31...	92	30	30	20	210	59	190	20	287	0
NOV. 30...	277	--	--	--	--	--	--	--	327	0
DEC. 29...	706	--	--	--	--	--	--	--	311	0
JAN. 31...	815	21	20	10	180	63	180	13	329	0
FEB. 28...	914	--	--	--	--	--	--	--	322	0
MAR. 30...	1220	--	--	--	--	--	--	--	318	0
APR. 27...	2350	17	20	20	150	54	160	12	270	0
MAY 31...	7120	--	--	--	--	--	--	--	181	0
JUNE 29...	754	--	--	--	--	--	--	--	232	0

DATE	ALKA- LITY AS CACO3 (MG/L) (00410)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	TOTAL FILT- RABLE RESIDUE (MG/L) (00515)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)
OCT. 31...	235	800	86	.8	1.9	.12	1700	1550	2.11
NOV. 30...	268	--	--	--	2.1	.15	1700	--	--
DEC. 29...	255	--	--	--	3.0	.24	1700	--	--
JAN. 31...	270	660	79	.9	3.0	.50	1600	1370	1.86
FEB. 28...	264	--	--	--	3.4	.63	1500	--	--
MAR. 30...	261	--	--	--	3.1	.50	1500	--	--
APR. 27...	221	580	74	.9	2.6	.48	1300	1190	1.62
MAY 31...	148	--	--	--	1.2	.19	620	--	--
JUNE 29...	190	--	--	--	.61	.06	1100	--	--

DATE	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	TOTAL NON- FILT- RABLE RESIDUE (MG/L) (00530)	HARD- NESS (CA,MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	DIS- SOLVED BORON (B) (UG/L) (01020)
OCT. 31...	385	48	770	530	3.0	2070	8.1	5	280
NOV. 30...	--	150	--	--	--	2160	7.8	--	--
DEC. 29...	--	130	--	--	--	1830	8.2	--	--
JAN. 31...	3010	85	710	440	2.9	1920	8.1	9	300
FEB. 28...	--	160	--	--	--	1870	8.0	--	--
MAR. 30...	--	150	--	--	--	1860	8.3	--	--
APR. 27...	7550	230	600	380	2.9	1690	8.0	20	280
MAY 31...	--	480	--	--	--	897	7.3	--	--
JUNE 29...	--	160	--	--	--	1470	7.3	--	--

PLATTE RIVER BASIN

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06764200 SOUTH PLATTE RIVER NEAR JULESBURG, COLO.--Continued

WATER QUALITY DATA, OCTOBER 1972 TO JUNE 1973

DATE	ALDRIN (UG/L) (39330)	CHLOR- DANE (UG/L) (39350)	DDD (UG/L) (39360)	DDE (UG/L) (39365)	DDT (UG/L) (39370)	DI- AZINON (UG/L) (39570)	DI- ELORIN (UG/L) (39380)	ENDRIN (UG/L) (39390)
OCT.								
31...	.00	.0	.00	.00	.00	.00	.00	.00
NOV.								
30...	--	--	--	--	--	--	--	--
DEC.								
29...	--	--	--	--	--	--	--	--
JAN.								
31...	--	--	--	--	--	--	--	--
FEB.								
28...	--	--	--	--	--	--	--	--
MAR.								
30...	--	--	--	--	--	--	--	--
APR.								
27...	.00	.0	.00	.00	.00	.00	.00	.00
MAY								
31...	--	--	--	--	--	--	--	--
JUNE								
29...	.00	.0	.00	.00	.00	.01	.00	.00

DATE	HEPTA- CHLOR (UG/L) (39410)	HEPTA- CHLOR EPOXIDE (UG/L) (39420)	LINDANE (UG/L) (39340)	MALA- THION (UG/L) (39530)	METHYL PARA- THION (UG/L) (39600)	PARA- THION (UG/L) (39540)	PCB (UG/L) (39516)	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)
OCT.									
31...	.00	.00	.00	.00	.00	.00	.0	.00	.00
NOV.									
30...	--	--	--	--	--	--	--	--	--
DEC.									
29...	--	--	--	--	--	--	--	--	--
JAN.									
31...	--	--	--	--	--	--	--	--	--
FEB.									
28...	--	--	--	--	--	--	--	--	--
MAR.									
30...	--	--	--	--	--	--	--	--	--
APR.									
27...	.00	.00	.00	.00	.00	.00	.0	.00	.00
MAY									
31...	--	--	--	--	--	--	--	--	--
JUNE									
29...	.00	.00	.00	.00	.00	.00	.0	.00	.00

DATE	SILVEX (UG/L) (39760)	DIS- SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	SUS- PENED GROSS ALPHA AS U-NAT. (UG/L) (80040)	DIS- SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)	SUS- PENED GROSS BETA AS SR90 /Y90 (PC/L) (80060)	DIS- SOLVED RA-226 (RADON METHOD) (PC/L) (89511)	DIS- SOLVED NATURAL URANIUM (U) (UG/L) (22703)	DIS- SOLVED BORON (B) (G1020)
OCT.								
31...	.00	86	2.4	27	12	.16	46	280
NOV.								
30...	--	99	13	25	14	.12	57	--
DEC.								
29...	--	170	6.1	27	14	.09	54	--
JAN.								
31...	--	140	7.7	19	17	.08	52	300
FEB.								
28...	--	150	13	16	19	.08	45	--
MAR.								
30...	--	140	12	18	13	.08	49	--
APR.								
27...	.00	100	22	18	16	.10	42	280
MAY								
31...	--	37	70	11	23	.09	17	--
JUNE								
29...	.00	71	12	15	15	.14	36	--

PLATTE RIVER BASIN

06768000 PLATTE RIVER NEAR OVERTON, NEBR.

LOCATION.--Lat 40°40'57", long 99°23'24" (north chan.), and lat 40°40'48", long 99°32'23" (south chan.), in sec.12, T.8 N., R.20 W., Dawson-Phelps County line, at gaging station at highway bridges 4 mi (6.4 km) south of Overton and 4 mi (6.4 km) downstream from Plum Creek.

DRAINAGE AREA.--61,700 mi² (160,000 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: December 1951 to September 1952, November 1958 to September 1973.
Water temperatures: November 1958 to September 1973.

EXTREMES.--1972-73:

Specific conductance: Maximum daily, 1,180 micromhos Mar. 27 (south chan.); minimum daily, 543 micromhos July 19 (south chan.).

Water temperatures: Maximum, 31.5°C Aug. 16 (south chan.); minimum, freezing point on many days during December to February.

Period of record:

Specific conductance (1958-73): Maximum daily, 1,480 micromhos May 15, 1966 (south chan.); minimum daily, 214 micromhos July 23, 1968 (south chan.).

Water temperatures: Maximum, 37°C June 13, 1959 (south chan.), July 9, 1960 (north chan.); minimum, freezing point on many days during winter period.

06767998 PLATTE RIVER NEAR OVERTON, NEBR. (NORTH CHANNEL)

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (000660)	DIS- SOLVED SILICA (SiO ₂) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MANG- NESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NESIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO ₃) (MG/L) (00440)
OCT.									
17...	1300	29	10	20	69	20	69	13	247
NOV.									
21...	1790	34	9	20	72	20	62	13	249
DEC.									
20...	1100	36	20	30	70	18	58	11	247
JAN.									
16...	1430	36	70	40	66	18	56	9.6	232
FEB.									
22...	2100	32	30	10	78	23	68	11	242
MAR.									
19...	1610	32	20	20	82	23	69	12	256
APR.									
13...	2010	30	20	20	84	25	77	11	243
MAY									
15...	14000	18	140	30	74	21	70	12	193
17...	12700	19	130	30	80	23	76	11	204
JUNE									
14...	9200	20	50	30	73	23	81	9.7	258
JULY									
17...	367	26	10	10	70	23	88	9.9	231
AUG.									
17...	1620	28	20	30	67	19	72	10	254
SEP.									
13...	4060	27	10	0	64	19	71	11	249

DATE	CAR- BONATE (CO ₃) (MG/L) (00445)	ALKA- LINIT- AS CACO ₃ (MG/L) (00410)	DIS- SOLVED SULFATE (SO ₄) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)
OCT.									
17...	0	203	180	22	.6	.00	.04	524	.71
NOV.									
21...	0	204	170	21	.6	.75	.10	519	.71
DEC.									
20...	0	203	150	20	.8	.87	.11	489	.67
JAN.									
16...	0	190	160	19	.6	.88	.11	483	.66
FEB.									
22...	0	198	210	25	.6	1.0	.11	571	.78
MAR.									
19...	0	210	210	25	.5	.80	.08	583	.79
APR.									
13...	0	199	240	28	.6	.77	.07	619	.84
MAY									
15...	0	158	230	27	.8	.75	.15	552	.75
17...	0	167	260	29	.8	.60	.08	602	.82
JUNE									
14...	0	212	200	24	.6	.18	.05	559	.76
JULY									
17...	0	189	220	27	.7	.11	.01	579	.79
AUG.									
17...	0	208	180	20	.5	.12	.03	522	.71
SEP.									
13...	0	204	170	19	.6	.42	.07	506	.69

PLATTE RIVER BASIN

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06767999 PLATTE RIVER NEAR OVERTON, NEBR. (SOUTH CHANNEL)

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SI02) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MANG- NESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)
OCT.									
17...	601	16	20	0	59	20	75	11	218
NOV.									
21...	563	15	30	0	57	19	73	9.9	212
DEC.									
20...	518	21	30	0	66	21	81	10	232
JAN.									
16...	499	25	50	0	71	22	79	10	241
FEB.									
22...	751	24	20	0	93	31	99	11	257
MAR.									
19...	765	22	50	10	96	32	99	11	247
APR.									
13...	894	13	20	0	84	34	110	9.8	183
MAY									
15...	5000	15	110	10	74	24	77	12	186
17...	4550	15	70	10	80	25	86	4.5	192
JUNE									
14...	2090	20	40	10	74	23	82	9.1	250
JULY									
17...	26	23	20	40	74	24	81	11	210
AUG.									
17...	36	24	10	30	67	23	83	12	231
SEP.									
13...	929	21	10	20	64	22	80	11	218

DATE	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LINITY AS CAC03 (MG/L) (00410)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TOMS PER AC-FT) (70303)
OCT.									
17...	0	179	190	21	.6	.00	.02	500	.68
NOV.									
21...	0	174	180	20	.6	.09	.02	479	.65
DEC.									
20...	5	199	210	24	.8	.29	.03	554	.75
JAN.									
16...	0	198	220	25	.5	.66	.08	574	.78
FEB.									
22...	0	211	340	38	.6	.86	.06	767	1.04
MAR.									
19...	0	203	340	38	.6	.94	.06	765	1.04
APR.									
13...	0	150	360	43	.6	.16	.01	746	1.01
MAY									
15...	0	153	270	32	.7	.96	.11	601	.82
17...	0	157	290	33	.4	.45	.06	631	.86
JUNE									
14...	0	205	210	25	.6	.31	.06	568	.77
JULY									
17...	0	172	240	28	.7	.13	.02	586	.80
AUG.									
17...	3	194	230	27	1.0	.48	.07	586	.80
SEP.									
13...	0	179	210	22	.6	.38	.03	540	.73

PLATTE RIVER BASIN

06767998 PLATTE RIVER NEAR OVERTON, NEBR. (NORTH CHANNEL)

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA.MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	DIS- SOLVED BORON (8) (UG/L) (01020)
OCT. 17...	1840	250	52	1.9	792	8.2	7	130
NOV. 21...	2510	260	58	1.7	757	7.1	4	110
DEC. 20...	1450	250	46	1.6	731	7.6	6	120
JAN. 16...	1870	240	49	1.6	637	7.9	5	80
FEB. 22...	3240	290	91	1.7	846	8.0	3	110
MAR. 19...	2530	300	89	1.7	911	8.2	3	130
APR. 13...	3360	310	110	1.9	904	8.3	2	150
MAY 15...	20900	270	110	1.9	837	7.7	50	200
17...	20600	290	130	1.9	893	7.5	50	150
JUNE 14...	13900	280	65	2.1	853	7.5	40	100
JULY 17...	574	270	80	2.3	882	8.2	5	160
AUG. 17...	2280	250	37	2.0	787	8.3	7	90
SEP. 13...	5550	240	34	2.0	744	8.2	10	100

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEC. C), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	776	765	770	790	831	802	988	828	815	863	788	696
2	774	749	761	799	812	805	974	822	833	863	776	764
3	775	758	819	779	761	774	950	859	833	841	776	702
4	778	758	815	824	713	755	988	862	828	819	773	699
5	778	769	830	799	718	778	1010	860	849	819	805	697
6	782	768	858	759	699	751	1000	869	873	812	803	699
7	778	759	838	818	706	760	1010	862	875	820	821	699
8	794	751	820	814	795	754	950	867	869	835	823	705
9	792	767	868	814	872	765	961	887	878	836	823	706
10	778	769	859	796	879	782	950	887	876	822	833	693
11	790	769	863	796	983	779	927	914	878	832	789	685
12	788	755	823	779	974	784	905	934	862	845	778	667
13	781	740	819	787	758	790	893	926	856	832	771	681
14	786	719	798	789	800	792	912	901	841	839	755	690
15	788	736	782	762	830	762	890	856	843	849	773	703
16	788	749	780	710	869	943	895	833	842	850	760	739
17	783	758	752	681	807	833	890	934	847	849	764	729
18	778	762	756	670	803	859	912	875	847	777	760	736
19	781	771	742	672	804	863	854	882	853	766	759	755
20	785	769	736	671	805	864	909	896	845	788	762	755
21	783	766	731	727	812	1100	934	866	837	722	759	762
22	768	765	720	726	836	870	861	862	827	750	753	766
23	770	744	703	755	840	891	859	865	821	759	752	767
24	770	767	688	748	830	832	867	868	830	769	750	766
25	770	771	688	706	823	860	821	866	831	784	748	764
26	773	778	702	710	826	844	808	824	837	784	750	766
27	760	778	696	726	845	863	808	828	835	787	752	784
28	769	776	704	814	828	867	819	786	833	790	753	792
29	769	778	704	812	---	899	784	786	815	792	759	739
30	761	778	756	828	---	951	786	791	827	795	755	760
31	760	---	788	832	---	956	---	798	---	793	750	---
MONTH	778	761	773	764	816	836	904	861	845	809	773	729

PLATTE RIVER BASIN

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06767999 PLATTE RIVER NEAR OVERTON, NEBR. (SOUTH CHANNEL)

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA.MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	COLOR (PLAT- INUM- COBALT (B) (00080)	DIS- SOLVED BORON (B) (01020)
OCT. 17...	811	230	51	2.2	776	8.3	7	150
NOV. 21...	728	220	47	2.1	723	7.3	5	120
DEC. 20...	775	250	53	2.2	850	8.4	5	160
JAN. 16...	773	270	70	2.1	858	8.1	7	80
FEB. 22...	1560	360	150	2.3	1100	8.2	3	160
MAR. 19...	1580	370	170	2.2	1160	8.3	5	180
APR. 13...	1800	350	200	2.6	1090	8.0	3	190
MAY 15...	8110	280	130	2.0	891	7.8	40	200
17...	7750	300	150	2.2	945	7.4	70	160
JUNE 14...	3210	280	74	2.1	846	7.6	40	100
JULY 17...	41.1	280	110	2.1	880	8.2	6	160
AUG. 17...	57.0	260	68	2.2	859	8.4	3	110
SEP. 13...	1350	250	72	2.2	824	8.0	10	110

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	750	762	767	822	910	1140	1080	1100	838	868	799	732
2	750	762	772	834	935	1140	1070	1070	849	871	797	715
3	755	762	800	840	939	1110	1090	1080	838	840	791	765
4	763	752	793	844	953	1100	1070	1050	838	814	813	776
5	755	752	786	829	953	1100	1090	1050	882	816	821	780
6	762	759	800	837	967	1100	1080	1020	886	812	829	782
7	765	756	805	876	973	1090	1090	1020	882	820	841	786
8	778	773	888	872	979	1090	1130	1020	882	828	846	787
9	775	752	810	879	979	1080	1110	1020	887	834	848	784
10	762	756	816	847	979	1080	1120	1020	869	816	863	780
11	765	756	811	860	920	1060	1100	994	871	826	854	738
12	772	736	799	855	926	1060	1100	1030	862	847	829	694
13	758	740	824	868	979	1060	1100	1040	862	895	839	751
14	765	751	818	868	994	1040	1150	1000	851	907	837	736
15	775	746	832	866	979	1050	1110	933	835	902	856	767
16	783	740	821	852	1040	1080	1110	913	851	938	846	763
17	773	746	829	847	1070	1050	1110	852	852	892	848	758
18	773	746	833	848	1040	1050	1110	913	851	738	843	758
19	768	744	835	862	1040	1080	1090	926	864	543	839	742
20	776	746	839	860	1060	1120	1090	891	849	703	837	741
21	773	748	839	898	1070	1080	1090	891	849	824	841	744
22	773	748	844	898	1070	1140	1060	901	843	797	843	753
23	780	751	834	898	1080	1080	1060	886	835	797	861	762
24	773	775	846	898	1090	1100	1070	896	856	820	859	762
25	780	760	847	893	1090	1090	1040	886	856	796	863	780
26	779	754	845	895	1090	1090	1080	828	851	815	863	784
27	782	754	846	873	1100	1180	1080	832	845	812	865	742
28	792	759	828	898	1100	1090	1080	818	834	806	868	724
29	792	758	829	895	---	1110	1060	816	828	805	863	809
30	765	762	819	908	---	1090	1060	840	830	806	868	821
31	762	---	831	921	---	1080	---	824	---	802	863	---
MONTH	770	754	822	869	1010	1090	1090	947	854	819	843	761

PLATTE RIVER BASIN

06767998 PLATTE RIVER NEAR OVERTON, NEBR. (NORTH CHANNEL)

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.0	4.5	3.5	0.0	2.0	5.5	6.5	10.0	19.0	26.5	21.0	22.0
2	20.0	4.5	4.5	0.0	0.0	5.5	8.0	8.0	20.0	21.0	22.0	23.5
3	18.0	4.5	1.0	0.0	2.0	6.5	6.5	10.0	21.0	24.5	21.0	21.0
4	15.0	5.5	0.0	0.0	1.0	9.0	5.5	11.0	20.0	25.5	28.5	21.0
5	15.5	9.0	0.0	0.0	3.5	9.5	8.0	15.0	19.0	25.5	23.5	20.0
6	15.0	8.0	0.0	0.0	2.0	4.5	10.0	14.5	19.0	26.5	30.0	21.0
7	16.0	5.5	0.0	0.0	0.0	5.5	5.5	15.5	20.0	26.5	28.0	20.0
8	14.5	6.5	0.0	0.0	0.0	5.5	4.5	14.5	21.0	26.5	31.0	20.0
9	14.5	5.5	0.0	0.0	0.0	6.5	4.5	15.5	23.5	24.5	28.0	20.0
10	16.5	4.5	0.0	0.0	0.0	5.5	4.5	15.5	22.0	26.0	29.0	21.0
11	14.5	5.5	0.0	0.0	0.0	11.0	8.0	16.0	23.5	25.5	26.5	20.0
12	12.0	8.0	0.0	0.0	0.0	11.0	9.0	15.5	23.5	24.5	26.5	18.0
13	15.5	4.0	0.0	0.0	1.0	10.0	10.0	15.5	21.0	25.5	26.5	15.5
14	13.5	2.0	0.0	0.0	0.0	9.0	10.0	14.5	22.0	21.0	25.5	16.5
15	10.0	2.0	0.0	1.0	0.0	6.5	6.5	15.0	22.0	18.0	21.0	16.5
16	11.0	3.5	0.0	0.0	0.0	4.5	8.0	15.5	22.0	21.0	26.5	13.5
17	11.0	4.5	0.0	1.0	0.0	9.0	12.0	15.5	22.0	23.5	26.5	12.0
18	9.0	2.0	0.0	2.0	0.0	1.0	12.0	18.0	20.0	22.0	25.5	13.5
19	5.5	3.0	0.0	2.0	0.0	3.5	12.0	20.0	19.0	22.0	25.5	15.5
20	5.5	4.0	1.0	0.0	0.0	8.0	11.0	19.5	19.0	21.0	26.5	15.5
21	8.0	4.0	1.0	1.0	2.0	6.5	12.0	20.5	20.0	20.0	26.5	18.0
22	5.0	3.5	1.0	0.0	3.5	8.0	10.5	19.0	20.0	19.0	26.5	16.5
23	6.5	3.5	1.0	0.0	3.5	10.0	12.0	19.0	22.0	21.0	24.5	18.0
24	6.5	3.5	2.0	1.0	3.5	8.0	15.5	19.0	25.5	22.0	21.0	20.0
25	8.0	3.5	1.0	1.0	4.5	4.5	10.5	16.5	23.5	21.0	24.5	16.5
26	9.0	3.5	0.0	0.0	2.0	5.5	11.0	16.5	25.5	22.0	25.5	16.5
27	9.0	2.0	1.0	0.0	3.5	13.5	10.0	16.0	24.5	22.0	24.5	14.5
28	8.0	2.0	1.0	0.0	5.5	9.0	12.0	13.5	24.5	23.5	24.5	14.5
29	6.5	1.0	1.0	0.0	---	5.5	14.5	14.5	25.5	22.0	23.5	13.5
30	5.5	2.0	0.0	0.0	---	5.5	13.5	15.5	25.5	21.0	25.5	15.5
31	3.5	---	0.0	1.0	---	8.0	---	15.5	---	21.0	21.0	---
MONTH	11.0	4.0	0.5	0.5	1.5	7.0	9.5	15.5	22.0	23.0	25.5	17.5

PLATTE RIVER BASIN

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06767999 PLATTE RIVER NEAR OVERTON, NEBR. (SOUTH CHANNEL)

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973
(RECORDER WITH TEMPERATURE ATTACHMENT, CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	18.0	13.5	6.0	5.0	3.5	1.5	0.5	0.0	4.5	3.0	5.5	3.5
2	18.0	14.0	9.5	6.0	4.5	0.5	1.0	0.5	9.5	7.0	5.5	3.5
3	18.0	14.5	10.0	8.0	0.5	0.5	1.0	0.5	5.0	3.0	4.0	3.5
4	18.0	13.5	9.5	6.0	1.5	0.5	0.0	0.0	4.0	2.0	4.0	3.5
5	16.0	13.5	9.5	6.0	1.0	0.5	0.0	0.0	4.5	3.0	4.0	3.5
6	14.5	12.0	8.5	6.0	1.0	0.0	0.5	0.0	3.5	1.5	7.0	3.5
7	16.0	11.5	8.5	5.5	0.5	0.0	0.0	0.0	0.0	0.0	7.0	3.5
8	15.5	13.0	9.0	5.5	0.5	0.0	0.0	0.0	0.5	0.0	5.0	3.5
9	14.5	12.0	6.5	5.5	0.5	0.0	0.5	0.0	2.0	1.5	5.0	4.5
10	16.0	13.0	8.0	4.5	0.5	0.0	1.0	0.5	1.5	1.0	6.0	3.5
11	15.0	13.0	7.0	5.0	1.0	0.0	0.5	0.0	3.0	1.0	11.0	8.0
12	13.0	12.0	10.5	6.0	1.0	0.0	2.0	1.5	4.0	3.5	10.5	8.0
13	15.0	11.5	11.0	6.5	0.5	0.0	3.5	3.0	3.5	1.5	9.5	8.5
14	14.0	11.5	7.0	3.5	1.0	0.0	1.0	0.5	0.5	0.0	9.0	6.0
15	13.5	11.0	4.0	3.0	1.0	0.0	3.5	3.0	0.5	0.0	9.0	7.0
16	15.0	11.0	5.0	3.5	0.5	0.0	4.5	4.0	0.5	0.0	6.0	4.0
17	14.0	11.0	4.5	3.5	0.5	0.0	3.5	3.0	1.0	0.5	11.5	9.0
18	12.0	9.5	4.0	3.5	1.5	1.0	7.0	3.5	4.5	2.0	5.0	3.0
19	10.5	9.0	4.5	3.0	4.5	3.5	4.0	2.0	4.5	3.0	5.5	4.0
20	9.0	8.0	4.5	3.0	1.5	1.0	5.5	3.5	5.0	2.0	8.5	5.5
21	10.0	9.0	4.0	3.0	2.0	1.5	3.0	1.0	5.0	3.0	9.5	7.0
22	9.5	8.5	4.5	3.0	1.5	1.0	3.5	1.5	5.0	2.0	10.0	8.5
23	10.5	8.0	4.5	2.0	4.0	3.0	3.0	1.0	5.5	1.5	10.5	8.5
24	10.5	7.0	4.5	2.0	3.5	2.0	4.5	0.5	3.5	2.0	9.0	7.0
25	11.0	7.0	4.0	2.0	1.0	0.0	6.0	2.0	3.0	2.0	6.0	5.5
26	11.5	8.5	11.5	2.0	4.5	2.0	4.5	1.0	4.0	2.0	8.5	6.0
27	11.0	8.5	11.5	10.5	3.5	1.5	5.5	1.5	5.5	4.0	15.0	14.0
28	8.5	7.0	11.0	2.0	3.0	1.5	0.5	0.0	5.5	5.0	9.0	7.0
29	8.5	7.0	3.5	1.0	5.5	3.5	0.5	0.0	---	---	8.5	5.5
30	8.5	5.5	3.0	1.0	1.0	0.0	5.0	0.5	---	---	8.0	5.5
31	5.5	4.5	---	---	0.5	0.0	6.0	2.0	---	---	10.0	8.5
MONTH	18.0	4.5	11.5	1.0	5.5	0.0	7.0	0.0	9.5	0.0	15.0	3.0
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	11.0	4.5	10.5	9.5	20.5	17.0	30.0	23.5	27.0	20.5	25.5	18.0
2	11.0	4.5	10.0	9.0	22.0	19.0	25.0	21.5	28.0	20.0	24.5	20.0
3	9.0	7.0	13.5	9.0	22.0	19.0	29.0	21.5	28.5	20.5	24.5	19.5
4	9.5	6.0	15.0	10.5	20.0	17.0	29.0	22.0	28.0	20.5	25.0	19.0
5	11.0	7.0	15.5	11.5	19.0	16.5	30.0	23.0	28.0	19.5	25.0	18.0
6	11.5	9.0	14.5	13.0	21.5	16.5	30.0	23.5	30.0	21.0	25.0	18.5
7	8.0	4.0	14.5	12.0	23.5	19.0	30.5	23.0	28.5	21.0	21.0	19.0
8	5.5	4.0	16.0	12.0	24.0	20.0	30.5	23.5	31.0	20.5	21.0	19.0
9	6.0	4.0	18.0	14.0	24.5	21.5	27.0	23.5	28.0	20.5	24.0	20.0
10	8.0	4.0	15.0	12.0	24.5	20.5	30.5	22.0	30.5	19.5	25.5	19.0
11	10.5	7.0	12.0	10.0	25.5	21.5	30.5	23.5	29.0	20.0	21.0	19.5
12	11.0	8.0	10.0	9.0	24.0	21.5	29.0	21.0	30.5	20.0	19.5	17.0
13	12.0	9.0	12.0	9.0	23.5	21.0	28.5	18.5	29.0	19.5	19.0	16.0
14	13.0	8.5	15.5	12.0	23.5	21.0	26.0	17.0	29.0	18.5	19.0	16.0
15	10.0	5.0	16.0	13.0	25.0	20.5	27.0	16.5	31.0	19.0	17.0	15.5
16	10.5	6.5	16.5	14.5	23.5	21.5	28.5	16.5	31.5	20.5	15.5	15.0
17	16.0	11.5	18.0	14.0	23.0	20.0	29.0	18.0	29.5	20.0	17.0	15.0
18	14.5	11.0	20.0	16.5	21.5	19.5	24.0	12.0	29.5	20.0	17.0	15.5
19	13.5	11.5	20.5	18.5	20.0	17.0	24.0	18.5	30.5	20.0	18.0	15.5
20	12.0	10.5	20.5	19.0	20.0	16.5	18.5	17.0	30.5	20.0	16.5	16.0
21	14.5	10.5	20.0	19.0	21.0	17.0	22.0	18.0	30.5	21.0	19.0	16.0
22	14.0	10.0	20.0	18.5	23.5	19.0	23.0	20.0	30.5	20.0	21.0	17.0
23	14.5	11.0	20.0	17.0	24.5	20.5	25.0	19.5	26.0	21.5	19.5	16.5
24	16.5	14.5	20.0	18.0	22.0	19.0	23.5	20.5	28.0	20.0	19.0	16.0
25	11.0	10.0	19.0	15.5	21.0	18.0	25.0	18.0	31.0	21.0	17.0	15.5
26	12.0	10.5	18.0	15.5	25.0	20.5	27.0	20.5	29.0	20.0	15.5	14.5
27	13.5	10.0	16.0	15.5	25.5	23.0	24.0	21.5	29.0	20.0	14.0	13.5
28	15.5	9.5	16.0	11.0	25.5	22.0	27.0	20.0	29.0	19.5	14.0	13.0
29	16.0	11.5	15.0	14.0	26.5	23.5	25.5	21.5	29.0	20.0	14.0	13.0
30	12.0	10.5	18.0	14.5	28.5	23.5	23.0	20.0	28.5	20.0	14.5	14.0
31	---	---	19.0	17.0	---	---	26.5	18.5	28.0	19.0	---	---
MONTH	16.5	4.0	20.5	9.0	28.5	16.5	30.5	12.0	31.5	18.5	25.5	13.0

PLATTE RIVER BASIN

06767998 PLATTE RIVER NEAR OVERTON, NEBR. (NORTH CHANNEL)

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

		TEMPER- ATURE (DEG C) (00010)		DIS- CHARGE (CFS) (00060)		SUS- PENDE SEDI- MENT (MG/L) (80154)		SUS- PENDE SEDI- MENT CHARGE (T/DAY) (80155)		SUS. SED. FALL DIAM. % FINER THAN (70337)		SUS. SED. FALL DIAM. % FINER THAN (70338)												
DATE		TIME																						
MAY																								
15...		1110	15.0		14000		2040		77100		50		63											
17...		1030	15.0		12800		1570		54300		30		33											
			SUS. SED. FALL DIAM. % FINER THAN (70340)		SUS. SED. FALL DIAM. % FINER THAN (70342)		SUS. SED. FALL DIAM. % FINER THAN (70343)		SUS. SED. FALL DIAM. % FINER THAN (70344)		SUS. SED. FALL DIAM. % FINER THAN (70345)		SUS. SED. FALL DIAM. % FINER THAN (70347)											
DATE			.016 MM		.062 MM		.125 MM		.250 MM		.500 MM		1.00 MM		2.00 MM									
MAY																								
15...		65	66		67		72		83		100		--											
17...		35	44		45		51		71		94		99											
			BED MAT. FALL DIAM. % FINER THAN (80159)		BED MAT. FALL DIAM. % FINER THAN (80160)		BED MAT. FALL DIAM. % FINER THAN (80161)		BED MAT. FALL DIAM. % FINER THAN (80162)		BED MAT. FALL DIAM. % FINER THAN (80169)		BED MAT. FALL DIAM. % FINER THAN (80170)		BED MAT. FALL DIAM. % FINER THAN (80171)		BED MAT. FALL DIAM. % FINER THAN (80172)		BED MAT. FALL DIAM. % FINER THAN (80173)					
DATE		TIME	NUMBER OF SAM- PLING POINTS (00063)		DIS- CHARGE (CFS) (00060)		.125 MM		.250 MM		.500 MM		1.00 MM		2.00 MM		4.00 MM		8.00 MM		16.0 MM		32.0 MM	
MAY																								
15...		1110	9		14000		0		4		27		50		65		83		98		100		--	
17...		1030	10		12800		0		3		23		47		63		81		94		99		100	

06767999 PLATTE RIVER NEAR OVERTON, NEBR. (SOUTH CHANNEL)

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	DIS- CHARGE (CFS) (00060)	SUS- PENDE SEDI- MENT (MG/L) (80154)	SUS- PENDE SEDI- MENT CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN (70337)	SUS. SED. FALL DIAM. % FINER THAN (70338)				
MAY 15...	1050	15.0	4660	1300	16400	69	86				
DATE		SUS. SED. FALL DIAM. % FINER THAN (70340)	SUS. SED. FALL DIAM. % FINER THAN (70342)	SUS. SED. FALL DIAM. % FINER THAN (70343)	SUS. SED. FALL DIAM. % FINER THAN (70344)	SUS. SED. FALL DIAM. % FINER THAN (70345)	SUS. SED. FALL DIAM. % FINER THAN (70346)				
MAY 15...		88	89	91	94	99	100				
DATE	TIME	NUMBER OF SAM- PLING POINTS (00063)	BED MAT. FALL DIAM. % FINER THAN (00060)	BED MAT. FALL DIAM. % FINER THAN (80159)	BED MAT. FALL DIAM. % FINER THAN (80160)	BED MAT. FALL DIAM. % FINER THAN (80161)	BED MAT. FALL DIAM. % FINER THAN (80162)	BED MAT. FALL DIAM. % FINER THAN (80169)	BED MAT. FALL DIAM. % FINER THAN (80170)	BED MAT. FALL DIAM. % FINER THAN (80171)	BED MAT. FALL DIAM. % FINER THAN (80172)
MAY 15...	1050	3	4660	0	1	21	56	76	91	98	100
MAY 17...	0945	3	4530	0	3	21	50	67	83	96	100

PLATTE RIVER BASIN

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06770205 PLATTE RIVER (NORTH CHANNEL) NEAR KEARNEY, NEBR.

LOCATION.--Lat 40°40'30", long 99°00'24", in SW¼NW¼SW¼ sec.10, T.8 N., R.15 W., Buffalo County, on county road 0.2 mi (0.3 km) north of Interstate Highway I-80 (no access) and about 4.5 mi (7.2 km) southeast of Kearney.

PERIOD OF RECORD.--Chemical analyses: March 1973 to September 1973.

WATER QUALITY DATA, MARCH 1973 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (000660)	DIS- SOLVED SILICA (SiO2) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NES- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LITY AS CaCO3 (MG/L) (00410)
MAR. 19...	38	--	--	--	--	--	--	--	--	--	--
APR. 18...	27	16	30	360	100	27	110	15	294	0	241
MAY 22...	95	--	--	--	--	--	--	--	--	--	--
JUNE 21...	80	--	--	--	--	--	--	--	--	--	--
JULY 13...	81	26	40	10	68	22	78	13	227	0	186
AUG. 15...	92	--	--	--	--	--	--	--	--	--	--
SEP. 11...	278	--	--	--	--	--	--	--	--	--	--

DATE	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L) (00608)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)
MAR. 19...	--	--	--	--	--	--	--	--	--	--	--
APR. 18...	260	62	.6	.46	1.3	1.3	1.0	2.3	.77	.68	--
MAY 22...	--	35	--	.63	.49	--	1.1	1.6	.56	.64	660
JUNE 21...	--	32	--	.70	.09	--	.83	.92	.57	.64	658
JULY 13...	210	30	.7	.00	.17	--	1.5	1.7	.48	.31	--
AUG. 15...	--	26	--	.14	.03	--	1.5	1.5	.52	.25	550
SEP. 11...	--	23	--	.36	.22	--	.69	.91	.37	.24	544

PLATTE RIVER BASIN

06770205 PLATTE RIVER (NORTH CHANNEL) NEAR KEARNEY, NEBR.--Continued

WATER QUALITY DATA, MARCH 1973 TO SEPTEMBER 1973

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA+MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)
MAR. 19...	--	--	--	--	--	--	--	--	8.7	--
APR. 18...	738	1.00	53.8	360	120	2.5	1140	20	--	--
MAY 22...	--	.90	169	--	--	--	956	--	8.9	--
JUNE 21...	--	.89	142	--	--	--	947	--	7.5	--
JULY 13...	560	.76	122	260	74	2.1	864	30	5.9	0
AUG. 15...	--	.75	137	--	--	--	821	--	6.3	--
SEP. 11...	--	.74	408	--	--	--	801	--	2.7	--

DATE	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (MG) (UG/L) (71900)	DIS- SOLVED MERCURY (MG) (UG/L) (71890)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)	DIS- SOLVED SILVER (AG) (UG/L) (01075)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
MAR. 19...	--	--	--	--	--	--	--	--	--	--
APR. 18...	120	--	--	--	--	--	--	--	--	--
MAY 22...	--	--	--	--	--	--	--	--	--	--
JUNE 21...	--	--	--	--	--	--	--	--	--	--
JULY 13...	170	2	0	12	6	6.3	3.3	10	0	30
AUG. 15...	--	--	--	--	--	--	--	--	--	--
SEP. 11...	--	--	--	--	--	--	--	--	--	--

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
MAR. 19...	1445	30	7.9	10.0	8	10.0	26990	28990
APR. 18...	1300	27	8.0	15.0	10	12.3	1900	2400
MAY 22...	1220	95	7.7	18.0	70	7.3	17990	2300
JUNE 21...	1200	80	7.8	20.0	50	8.3	32990	2100
JULY 13...	1145	81	8.0	25.0	45	8.5	11200	2050
AUG. 15...	1200	92	8.1	25.0	100	8.1	3150	3250
SEP. 11...	1200	278	8.0	22.0	40	7.6	--	1350

06770500 PLATTE RIVER NEAR GRAND ISLAND, NEBR.

LOCATION.--Lat 40°52'28", long 98°16'54", in SW¼SW¼ sec.31, T.11 N., R.8 W., Merrick County, at gaging station at bridge on U.S. Highway 34, 2 mi (3.2 km) upstream from Burlington Northern Inc. bridge and 5 mi (8.0 km) south-east of Grand Island.

DRAINAGE AREA.--62,800 mi² (163,000 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: July 1972 to September 1973.

Water temperatures: July 1972 to September 1973.

EXTREMES.--1972-73:

Specific conductance: Maximum daily, 1,040 micromhos Apr. 12; minimum daily, 659 micromhos Sept. 3.

Water temperatures: Maximum, 24.0°C July 8; minimum, freezing point on many days November to February.

Period of record:

Specific conductance: Maximum daily, 1,040 micromhos April 12, 1973; minimum daily, 659 micromhos Sept. 3, 1973.

Water temperatures: Maximum, 34.5°C July 23, 1972; minimum, freezing point on many days during winter period.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (000660)	DIS- SOLVED SILICA (SI02) (MG/L) (00955)	DIS- SOLVED ALUM- INUM (AL) (UG/L) (01106)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NES- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)
OCT.											
19...	2290	--	--	--	--	--	--	--	--	--	--
NOV.											
10...	1910	20	--	40	40	60	20	70	5.0	219	0
DEC.											
27...	2340	24	10	30	10	71	20	72	9.9	241	0
JAN.											
25...	2430	28	--	50	10	72	21	78	11	241	0
MAR.											
02...	3250	27	--	50	0	87	26	90	12	253	0
15...	3220	24	10	50	0	82	25	80	11	247	0
APR.											
02...	4420	23	--	40	10	91	26	86	11	248	0
11...	3370	20	--	9	0	92	28	95	12	231	0
MAY											
08...	5290	--	--	--	--	--	--	--	--	--	--
JUNE											
06...	14000	--	--	--	--	--	--	--	--	--	--
JULY											
05...	1240	24	--	100	0	69	22	80	11	229	0
AUG.											
02...	1500	--	--	--	--	--	--	--	--	--	--
SEP.											
10...	3000	--	--	--	--	--	--	--	--	--	--

DATE	ALKA- LINITY AS CaCO3 (MG/L) (00410)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL- NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOLVED PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)
OCT.											
19...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
10...	180	180	22	.7	.35	--	--	--	--	.07	--
DEC.											
27...	198	190	23	.7	.46	--	--	--	--	.09	--
JAN.											
25...	198	210	26	.5	.55	--	--	--	--	.09	--
MAR.											
02...	208	280	32	.6	.89	--	--	--	--	.09	--
15...	203	250	29	.6	.76	--	--	--	--	.09	--
APR.											
02...	203	270	32	.6	.62	--	--	--	--	.07	--
11...	189	300	36	.6	.33	.09	.91	1.0	.15	.03	--
MAY											
08...	--	--	30	--	.03	.04	1.2	1.2	.14	.03	656
JUNE											
06...	--	--	28	--	.11	.11	.89	1.0	.23	.10	591
JULY											
05...	188	220	27	.7	.04	.03	1.2	1.2	.19	.03	--
AUG.											
02...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
10...	--	--	22	--	.10	.14	.44	.58	.28	.16	520

PLATTE RIVER BASIN

06770500 PLATTE RIVER NEAR GRAND ISLAND, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA, MG) (MG/L) (00900)	NON-CARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)	SPECIFIC CONDUCTANCE (MICRO-MHOS) (00095)	COLOR (PLATINUM-COBALT UNITS) (00080)	BIOCHEMICAL OXYGEN DEMAND (MG/L) (00310)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT. 19...	--	--	--	--	--	--	801	--	--	--	--
NOV. 16...	487	.66	2510	230	52	2.0	762	10	--	--	110
DEC. 27...	532	.72	3360	260	62	1.9	822	10	--	--	120
JAN. 25...	565	.77	3710	270	69	2.1	872	7	--	--	140
MAR. 02...	683	.93	5990	320	120	2.2	991	3	--	--	150
15...	627	.85	5450	310	110	2.0	931	10	--	--	130
APR. 02...	665	.90	7940	330	130	2.0	981	20	--	--	100
11...	699	.95	6360	350	160	2.2	1030	5	3.6	--	150
MAY 08...	--	.89	9370	--	--	--	937	--	3.9	--	--
JUNE 06...	--	.80	22300	--	--	--	874	--	1.9	--	--
JULY 05...	567	.77	1900	260	75	2.1	851	20	5.6	4	140
AUG. 02...	--	--	--	--	--	--	--	--	6.3	--	--
SEP. 10...	--	.71	4210	--	--	--	798	--	5.5	--	--

DATE	DIS-SOLVED CADMIUM (CD) (UG/L) (01025)	DIS-SOLVED CHROMIUM (CR) (UG/L) (01030)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SELENIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED VANADIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT. 19...	--	--	--	--	--	--	--	--	--	--	--
NOV. 16...	--	--	--	--	--	--	--	--	--	--	--
DEC. 27...	--	--	7	--	--	--	--	--	--	2.8	40
JAN. 25...	--	--	--	--	--	--	--	--	--	--	--
MAR. 02...	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	4	--	--	--	--	--	--	4.7	20
APR. 02...	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--
MAY 08...	--	--	--	--	--	--	--	--	--	--	--
JUNE 06...	--	--	--	--	--	--	--	--	--	--	--
JULY 05...	1	0	6	1	.2	.2	5	8	0	6.2	50
AUG. 02...	--	--	--	--	--	--	--	--	--	--	--
SEP. 10...	--	--	--	--	--	--	--	--	--	--	--

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)
OCT. 19...	1225	2290	8.4	6.0	--	11.5	--	--
NOV. 16...	1300	1910	8.0	1.0	--	12.6	--	--
DEC. 27...	1110	2340	7.4	.5	--	10.9	--	--
JAN. 25...	1200	2430	7.7	.5	--	11.7	--	--
MAR. 02...	1320	3250	8.1	7.0	--	10.0	--	--
15...	1355	3220	8.3	8.0	--	10.7	--	--
APR. 02...	1100	4420	8.0	9.5	--	11.0	--	--
11...	1630	3370	8.3	12.5	20	10.6	<10	210
MAY 08...	1325	5290	8.2	19.0	10	9.8	140	52
JUNE 06...	1505	14000	8.1	23.5	65	7.4	210	140
JULY 05...	1400	1240	8.5	29.0	40	7.5	37	72
AUG. 02...	1050	1500	8.1	23.0	40	8.8	233	88
SEP. 10...	1405	3000	8.2	23.5	70	5.0	140	760

PLATTE RIVER BASIN

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07770500 PLATTE RIVER NEAR GRAND ISLAND, NEBR.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEC. C), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	784	761	835	832	841	972	930	973	820	855	835	687
2	789	755	922	862	841	977	961	946	814	853	827	661
3	781	770	940	880	843	974	989	976	832	867	819	659
4	786	792	950	902	907	974	1010	959	841	849	806	720
5	786	786	960	913	910	958	997	948	839	845	800	750
6	789	784	990	920	910	956	1010	943	846	840	815	757
7	793	784	980	926	904	972	1020	938	877	830	804	755
8	790	779	960	931	910	983	994	932	892	828	808	741
9	790	780	980	926	910	988	1010	929	895	818	819	743
10	779	768	1000	910	910	977	1010	919	890	797	819	743
11	793	767	990	905	904	940	1030	924	899	828	825	748
12	789	765	1000	916	910	930	1040	935	902	839	841	759
13	789	731	951	916	945	974	1030	929	897	850	839	717
14	783	700	932	822	944	961	1020	959	885	854	802	752
15	786	691	929	798	950	940	994	959	880	865	733	746
16	793	770	929	798	941	934	1010	932	875	878	798	750
17	792	770	937	796	967	947	1020	889	867	888	806	760
18	788	770	946	793	973	963	1010	866	874	892	802	762
19	793	770	892	803	861	972	989	882	892	824	793	762
20	793	773	880	838	859	969	1000	901	879	720	782	762
21	793	781	873	837	859	977	994	912	877	749	776	784
22	781	781	871	835	854	977	991	907	872	779	780	790
23	775	781	909	837	853	983	1000	901	865	810	778	798
24	776	779	865	839	855	932	991	889	863	774	793	796
25	783	774	912	841	976	922	977	889	856	806	780	790
26	776	778	896	841	976	942	972	875	860	787	775	780
27	785	787	825	841	976	961	956	829	860	826	778	780
28	786	789	829	839	976	972	958	842	860	836	784	766
29	786	775	802	865	---	963	980	833	865	836	782	768
30	772	785	820	843	---	958	980	825	863	843	782	794
31	750	---	835	843	---	944	---	820	---	816	787	---
MONTH	785	769	914	860	909	961	996	908	868	828	799	753

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.0	2.0	3.5	0.0	2.0	3.5	6.5	10.0	16.5	20.0	20.0	21.0
2	14.0	2.5	2.5	0.0	1.5	4.5	6.5	11.0	18.5	20.5	20.0	21.0
3	16.0	3.0	2.0	0.0	1.0	5.5	5.0	10.5	18.0	19.5	21.5	20.5
4	14.5	4.0	2.0	0.0	1.0	3.5	5.5	10.5	19.0	21.0	21.0	20.0
5	14.5	6.5	1.5	0.0	1.5	4.5	5.0	10.0	15.5	21.5	20.0	20.5
6	11.0	9.0	1.5	0.0	1.5	4.5	6.5	12.0	15.5	21.5	20.5	21.5
7	11.0	5.0	1.5	0.0	1.0	5.0	10.0	11.5	21.5	22.0	22.0	21.5
8	11.0	6.0	1.5	0.0	2.0	4.5	13.5	11.0	19.5	24.0	21.5	19.5
9	10.5	7.0	1.0	0.0	2.0	4.5	13.0	12.0	20.5	22.0	22.0	19.0
10	11.5	4.0	1.0	0.0	1.0	4.5	13.5	12.0	20.0	22.0	23.5	19.0
11	13.0	3.5	1.0	0.0	1.5	4.5	10.5	12.5	19.0	23.0	22.0	19.5
12	11.0	4.0	1.0	1.0	1.0	6.0	12.5	14.0	21.5	23.5	21.5	20.5
13	10.0	3.0	1.0	1.0	0.0	5.5	13.0	14.0	18.5	21.5	21.5	21.5
14	11.0	2.5	1.0	2.0	0.5	4.0	10.0	13.5	20.0	19.5	20.5	19.0
15	9.5	2.0	1.0	2.0	0.0	6.0	12.0	13.5	20.5	17.5	22.5	19.0
16	9.0	1.0	1.0	1.5	0.0	5.0	7.5	14.5	21.0	18.0	22.0	19.5
17	11.0	1.0	1.0	1.5	1.0	5.5	7.5	15.5	20.0	18.5	21.5	19.0
18	7.0	0.0	1.0	2.0	0.5	4.0	12.0	15.5	19.5	19.0	20.0	19.0
19	4.0	0.0	2.0	2.5	0.5	4.0	10.0	16.5	18.0	20.0	23.0	19.5
20	4.0	1.0	2.0	2.0	0.0	5.5	11.0	16.5	15.0	18.5	23.5	20.0
21	6.0	3.0	3.0	2.0	1.0	5.0	10.5	17.0	17.0	18.0	23.5	19.0
22	8.0	1.0	3.5	2.0	1.5	4.0	12.5	17.5	20.5	17.0	23.0	16.5
23	5.5	0.0	4.0	2.0	1.5	4.5	12.0	17.5	19.0	17.0	22.5	17.0
24	4.5	0.0	4.0	2.5	0.5	5.5	11.0	16.5	21.0	20.0	21.0	17.0
25	5.5	0.5	3.5	2.5	1.0	5.0	10.5	15.0	21.0	19.5	21.0	16.0
26	8.0	0.0	3.5	2.5	0.5	4.5	11.0	16.0	22.0	20.5	22.0	16.5
27	9.5	0.0	4.0	2.0	1.5	5.0	11.0	13.5	20.5	20.5	21.0	16.0
28	7.5	0.0	0.0	2.0	2.0	4.0	10.5	16.5	21.0	20.0	21.5	16.0
29	6.0	0.0	0.0	2.5	---	4.0	11.5	13.0	20.0	21.0	21.5	16.5
30	6.5	0.0	0.0	2.0	---	4.5	10.0	12.0	19.5	21.5	22.0	17.0
31	3.5	---	0.0	1.5	---	5.5	---	20.0	---	21.5	21.5	---
MONTH	9.0	2.5	2.0	1.5	1.0	4.5	10.0	14.0	19.5	20.5	21.5	19.0

LOCATION.--Lat 40°56'05", long 98°06'56", in SW¼NW¼SW¼ sec.7, T.11 N., R.8 W., Merrick County, at bridge on county road, 1.0 mi (1.6 km) south of U.S. Highway 30, 3.0 mi (4.8 km) east of Grand Island.

WATER QUALITY DATA, APRIL 1973 TO SEPTEMBER 1973

[illegible]

DATE	DIS-SOLVED SULFATE (SO ₄) (MG/L) (00945)	DIS-SOLVED CHLORIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUORIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL NITROGEN (N) (MG/L) (00625)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DIS-SOLVED PHOSPHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)
APR. 11...	--	39	--	1.6	2.1	.90	3.0	.91	.79	55%
MAY 08...	180	47	.3	1.7	3.1	1.1	4.2	1.2	1.1	--
JUNE 06...	--	57	--	.79	1.5	.90	2.4	.88	.75	619
JULY 11...	--	73	--	1.6	3.1	.90	4.0	.99	.93	628
AUG. 15...	130	29	.4	1.4	.10	1.0	1.1	2.0	1.7	--
SEP. 10...	--	130	--	1.5	2.1	.00	.78	1.9	1.7	608

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA+MG) (MG/L) (00900)	NON-CARBONATE HARD-NESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	COLOR (PLATINUM-COBALT UNITS) (00080)	BIO-CHEMICAL OXYGEN DEMAND (MG/L) (00310)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)
APR. 11...	--	.75	120	--	--	--	832	--	10	--
MAY 08...	575	.78	62.1	320	110	1.6	907	10	>14	--
JUNE 06...	--	.84	104	--	--	--	940	--	10	--
JULY 11...	--	.85	71.2	--	--	--	960	--	6.7	--
AUG. 15...	419	.57	48.6	220	65	1.4	660	10	14	0
SEP. 10...	--	.83	18.1	--	--	--	1050	--	12	--

[illegible]

WATER QUALITY DATA, APRIL 1973 TO SEPTEMBER 1973

FIELD DETERMINATIONS

DATE	TIME	DISE- CHARGE (CFS) (000000)	PH (UNITS) (004000)	TEMPER- ATURE (DEG C) (000010)	TUR- BID- ITY (JTU) (000070)	DISE- SOLVED OXYGEN (MG/L) (003000)	FECA- COLI- FORM (COL. PER (31616)	STREP- TOCOCCI (COL- ONIES PER (31679)
APR. 11...	1330	80	7.6	14.5	25	9.2	2200	1200
MAY 08...	1110	40	7.8	16.0	20	8.0	19990	1400
JUNE 06...	1305	62	7.6	23.0	20	6.5	1500	290
JULY 11...	1400	42	7.7	30.0	10	6.8	9670	1400
AUG. 15...	1340	43	7.8	27.0	30	5.8	6700	7200
SEP. 10...	1130	11	7.5	21.0	20	8.5	8800	1100

06772500 WOOD RIVER NEAR CHAPMAN, NEBR.

LOCATION.--Lat 40°57'56", long 98°12'22", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.12 N., R.8 W., Merrick County, at county road bridge 2.5 mi (4.0 km) west and 4.0 mi (6.4 km) south of center of Chapman.

DRAINAGE AREA.--700 mi² (1,810 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1967 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

[illegible]

PLATTE RIVER BASIN

06772500 WOOD RIVER NEAR CHAPMAN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- SOLVED SULFATE (SO ₄) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)
OCT. 19...	160	200	.9	.00	--	--	--	--	5.8	--	840
NOV. 30...	130	120	.6	1.3	--	--	--	--	1.6	--	645
DEC. 27...	120	180	.6	3.3	--	--	--	--	2.7	--	704
JAN. 25...	61	52	.4	1.1	--	--	--	--	1.1	--	312
FEB. 21...	170	80	.6	1.5	--	--	--	--	2.1	--	605
MAR. 15...	150	46	.5	2.4	--	--	--	--	.55	--	525
APR. 11...	170	31	.5	2.1	1.2	.80	2.0	.76	.72	--	522
MAY 08...	--	38	--	2.2	1.6	.90	2.5	1.1	.97	581	--
JUNE 21...	--	64	--	2.0	2.5	.70	3.2	1.5	1.4	639	--
JULY 05...	170	49	.7	2.0	3.8	.20	4.0	1.2	1.2	--	558
AUG. 02...	--	47	--	2.9	.91	3.5	4.4	3.3	.05	481	--
SEP. 10...	--	64	--	3.0	2.0	.00	1.9	2.8	2.5	514	--

DATE	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA, MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHDS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)	CYANIDE (CN) (MG/L) (00720)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)	DIS- SOLVED BARIUM (BA) (UG/L) (01005)
OCT. 19...	1.14	7.48	260	0	4.6	1470	40	5.1	--	--	--
NOV. 30...	.88	23.3	250	14	3.0	1080	10	--	.01	6	0
DEC. 27...	.96	30.4	260	69	3.8	1250	20	1.0	--	--	--
JAN. 25...	.42	52.2	130	23	1.8	533	100	--	--	--	--
FEB. 21...	.82	42.5	280	87	2.4	989	9	9.7	--	--	--
MAR. 15...	.71	103	290	90	1.5	833	20	8.3	--	--	--
APR. 11...	.71	135	310	110	1.3	804	30	8.0	--	--	--
MAY 08...	.79	75.3	--	--	--	851	--	>28	--	--	--
JUNE 21...	.87	46.6	--	--	--	966	--	5.7	--	--	--
JULY 05...	.76	27.1	270	74	2.0	855	7	4.9	--	4	0
AUG. 02...	.65	33.8	--	--	--	729	--	15	--	--	--
SEP. 10...	.70	8.47	--	--	--	849	--	12	--	--	--

PLATTE RIVER BASIN

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06772500 WOOD RIVER NEAR CHAPMAN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L) (01032)	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (MG) (UG/L) (71900)	DIS- SOLVED MERCURY (MG) (UG/L) (71890)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)	DIS- SOLVED SILVER (AG) (UG/L) (01075)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
OCT. 19...	360	--	--	--	--	--	--	--	--	--	--
NOV. 30...	200	1	--	0	60	2	--	.9	5	0	170
DEC. 27...	170	--	--	--	--	--	--	--	--	--	--
JAN. 25...	150	--	--	--	--	--	--	--	--	--	--
FEB. 21...	140	--	--	--	--	--	--	--	--	--	--
MAR. 15...	110	--	--	--	--	--	--	--	--	--	--
APR. 11...	90	--	--	--	--	--	--	--	--	--	--
MAY 08...	--	--	--	--	--	--	--	--	--	--	--
JUNE 21...	--	--	--	--	--	--	--	--	--	--	--
JULY 05...	150	1	0	0	6	3	.3	.2	15	0	40
AUG. 02...	--	--	--	--	--	--	--	--	--	--	--
SEP. 10...	--	--	--	--	--	--	--	--	--	--	--

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
OCT. 19...	1425	3.3	8.0	10.0	--	11.2	--	--
NOV. 30...	1105	12	7.7	5.5	--	8.6	--	--
DEC. 27...	1340	16	7.6	12.0	--	8.1	--	--
JAN. 25...	1410	62	7.4	7.0	--	8.7	--	--
FEB. 21...	1255	26	7.7	10.0	--	9.0	--	--
MAR. 15...	1115	72	7.7	3.0	--	8.5	--	--
APR. 11...	1500	96	7.7	14.0	30	8.4	1300	250
MAY 08...	1530	48	8.4	22.0	40	7.0	1100	90
JUNE 21...	1050	27	7.6	22.0	20	6.6	6000	2300
JULY 05...	1130	19	7.9	26.0	10	7.2	3000	270
AUG. 02...	1250	26	8.3	26.0	100	9.3	24300	2350
SEP. 10...	1040	6.1	7.7	19.5	20	6.4	13000	1700

PLATTE RIVER BASIN

06774000 PLATTE RIVER NEAR DUNCAN, NEBR.

LOCATION.--Lat 41°22'04", long 97°29'40", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.12, T.16 N., R.2 W., Platte County, at gaging station at highway bridge 1.5 mi (2.4 km) south of Duncan and 12 mi (19.3 km) upstream from Loup River.

DRAINAGE AREA.--64,900 mi² (168,000 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: December 1964 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SI02) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)
OCT. 12...	1500	18	--	--	60	19	72	11	216
NOV. 21...	2160	22	--	--	61	17	57	9.7	213
DEC. 18...	1320	24	--	--	71	21	68	8.2	242
JAN. 25...	3260	21	80	10	61	16	54	13	203
FEB. 15...	2550	26	--	--	81	22	76	11	248
MAR. 08...	3420	24	--	--	74	19	59	11	240
APR. 17...	3470	15	--	--	68	22	68	10	208
MAY 10...	4830	16	--	--	74	22	76	12	239
18...	13290	22	--	--	84	22	72	14	236
19...	15000	23	--	--	83	21	69	15	229
JUNE 21...	8960	22	20	0	78	23	80	10	265
JULY 10...	1330	24	--	--	68	21	80	12	239
AUG. 23...	1230	26	--	--	56	20	77	12	147
SEP. 11...	3220	23	--	--	61	21	73	12	220

PLATTE RIVER BASIN

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06774000 PLATTE RIVER NEAR DUNCAN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	CAR- BONATE (CO3) (00445)	ALKA- LITY AS CACO3 (MG/L) (00410)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (SUM OF) CONSTI- TUENTS (MG/L) (70301)	DIS- SOLVED SOLIDS PER AC-FT (70303)
OCT.									
12...	0	177	180	22	.6	.05	.06	489	.67
NOV.									
21...	0	175	140	20	.5	.77	.16	435	.59
DEC.									
18...	0	198	200	24	.6	.79	.10	539	.73
JAN.									
25...	0	167	160	20	.4	.85	.28	449	.61
FEB.									
15...	0	203	230	27	.6	.97	.07	600	.82
MAR.									
08...	0	197	170	23	.6	1.1	.13	504	.69
APR.									
17...	0	171	210	25	.5	.47	.09	523	.71
MAY									
10...	0	196	220	26	.6	.13	.06	565	.77
18...	0	194	240	25	.6	.26	.06	597	.81
19...	0	188	240	25	.6	.36	.06	591	.80
JUNE									
21...	0	217	210	25	.7	.03	.08	580	.79
JULY									
10...	0	196	210	26	.8	.00	.08	560	.76
AUG.									
23...	8	134	210	24	.5	.02	.00	506	.69
SEP.									
11...	0	180	190	23	.6	.00	.00	512	.70

DATE	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA,MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	DIS- SOLVED BORON (B) (MG/L) (01020)
OCT.								
12...	1980	230	51	2.1	764	8.1	5	150
NOV.								
21...	2540	220	48	1.7	671	7.5	20	100
DEC.								
18...	1920	260	65	1.8	830	7.7	8	150
JAN.								
25...	3950	220	52	1.6	673	7.7	70	130
FEB.								
15...	4130	290	89	1.9	892	8.2	6	220
MAR.								
08...	4650	260	66	1.6	779	8.1	20	110
APR.								
17...	4900	260	90	1.8	810	8.3	8	130
MAY								
10...	7370	280	79	2.0	857	8.3	20	140
18...	21300	300	110	1.8	898	7.8	50	170
19...	23900	290	110	1.8	880	7.9	70	170
JUNE								
21...	14000	290	72	2.0	880	7.5	20	150
JULY								
10...	2010	260	60	2.2	834	8.2	10	160
AUG.								
23...	1680	220	88	2.2	781	8.5	20	160
SEP.								
11...	4450	240	58	2.1	778	7.9	20	140

PLATTE RIVER BASIN

06775500 MIDDLE LOUP RIVER AT DUNNING, NEBR.

LOCATION.--Lat 41°49'50", long 100°06'00", in NW¼SE¼ sec.33, T.22 N., R.24 W., Blaine County, temperature recorder at gaging station at bridge on State Highway 2 at northeast corner of Dunning, 1 mi (1.6 km) upstream from Dismal River.

DRAINAGE AREA.--1,850 mi² (4,790 km²), approximately, of which about 80 mi² (207 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--Water temperatures: October 1949 to September 1956, October 1965 to September 1973.

Sediment records: March 1950 to September 1952, October 1953 to September 1954.

EXTREMES.--1972-73:

Water temperatures: Maximum, 31.5°C July 9, 10; minimum, freezing point on many days during December and January.

Period of record:

Water temperatures: Maximum, 34°C June 21, 1956; minimum, freezing point on many days during winter period.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973
(RECORDER WITH TEMPERATURE ATTACHMENT, CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	18.5	11.5	3.5	1.0	5.0	1.5	0.0	0.0	3.5	1.5	10.0	5.0
2	19.0	13.5	4.0	1.0	4.5	0.5	0.0	0.0	4.0	0.0	10.0	4.5
3	19.0	13.0	8.0	1.5	0.0	0.0	0.0	0.0	5.5	1.0	9.0	5.5
4	17.0	12.0	8.5	3.5	0.0	0.0	0.0	0.0	6.0	2.0	5.5	4.0
5	14.5	10.0	8.0	6.0	0.0	0.0	0.0	0.0	6.0	3.0	5.0	3.0
6	13.0	8.0	8.0	5.5	0.0	0.0	0.0	0.0	4.0	0.0	8.0	1.5
7	15.5	8.5	8.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	3.5
8	14.0	11.0	9.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0	9.5	3.5
9	13.0	10.0	8.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0	6.0	4.5
10	15.5	12.0	8.5	3.5	0.0	0.0	0.0	0.0	1.5	0.0	6.0	4.5
11	14.5	10.0	6.5	5.0	0.0	0.0	0.0	0.0	4.0	0.0	10.0	4.5
12	14.5	9.5	5.5	3.5	0.0	0.0	0.0	0.0	3.5	1.5	11.0	5.0
13	13.5	10.0	3.5	1.5	0.0	0.0	0.0	0.0	1.5	0.0	10.0	7.0
14	13.5	10.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	8.5	3.5
15	10.5	8.5	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	1.0
16	14.0	8.5	3.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	2.0
17	11.5	8.0	3.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	2.0
18	9.5	5.5	4.5	3.5	0.0	0.0	0.0	0.0	5.0	0.0	9.0	4.0
19	6.5	3.5	6.0	4.0	0.0	0.0	0.0	0.0	4.0	1.5	8.5	5.0
20	6.5	3.5	5.5	4.0	0.0	0.0	0.0	0.0	5.5	0.0	11.0	5.0
21	11.5	6.0	4.0	3.5	0.0	0.0	0.0	0.0	5.5	0.5	8.0	3.5
22	10.0	6.5	5.0	3.0	0.0	0.0	0.0	0.0	7.0	1.0	9.0	3.5
23	10.5	5.5	5.0	1.5	0.0	0.0	0.0	0.0	8.0	2.0	8.0	5.0
24	11.0	5.5	5.0	1.5	0.0	0.0	0.5	0.0	6.0	3.5	6.5	4.5
25	11.0	5.5	4.0	1.0	0.0	0.0	5.5	0.5	3.5	2.0	4.5	3.5
26	12.0	8.0	3.0	0.5	0.0	0.0	5.5	3.0	6.5	2.0	8.0	4.0
27	11.0	8.0	2.0	0.5	1.5	0.0	4.0	0.0	8.0	3.5	5.5	4.0
28	8.5	6.5	3.0	0.0	1.5	1.0	0.0	0.0	9.5	5.5	5.5	4.0
29	6.5	6.0	2.0	0.0	1.5	0.0	0.0	0.0	---	---	9.0	3.0
30	6.5	2.0	2.0	0.5	0.0	0.0	0.5	0.0	---	---	7.0	4.5
31	3.5	1.0	---	---	0.0	0.0	3.0	1.0	---	---	6.0	5.0
MONTH	19.0	1.0	9.5	0.0	5.0	0.0	5.5	0.0	9.5	0.0	11.0	1.0
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	6.5	5.0	8.5	5.5	23.5	16.0	30.0	23.0	26.0	19.0	28.0	19.5
2	9.0	4.5	12.0	4.0	21.5	18.0	25.5	19.0	26.5	16.5	23.5	19.0
3	5.5	3.5	16.0	6.5	23.5	15.5	30.0	21.5	28.0	19.0	21.0	15.5
4	9.0	1.5	15.5	10.0	20.5	16.5	30.0	20.5	27.0	20.0	21.5	15.0
5	12.0	3.5	19.5	11.5	19.0	14.5	29.0	21.0	28.0	20.0	23.5	15.5
6	13.5	7.0	17.0	13.0	23.0	14.5	30.0	22.0	28.0	21.0	24.0	16.5
7	9.0	1.0	15.0	10.5	25.5	16.5	28.0	21.0	25.5	19.5	20.5	17.0
8	3.0	0.0	19.5	11.0	28.0	19.0	28.0	21.0	27.0	19.5	19.0	17.0
9	5.0	0.0	18.5	13.0	28.0	19.0	31.5	23.0	23.5	19.5	23.0	19.0
10	9.0	0.0	19.0	11.0	26.0	18.5	31.5	23.5	28.5	19.0	25.0	19.0
11	12.0	3.5	16.5	11.5	25.5	20.0	29.0	22.0	29.0	21.0	23.0	16.5
12	13.0	5.5	15.5	10.0	22.0	17.0	28.5	20.0	29.0	21.0	16.5	14.5
13	13.5	6.0	18.0	9.0	23.5	18.5	24.5	20.0	28.0	20.0	17.0	14.0
14	16.5	9.0	18.0	10.0	23.5	19.0	25.5	17.0	27.0	20.5	19.0	14.0
15	13.5	3.5	19.5	10.5	28.0	19.5	25.5	18.0	28.5	20.5	18.5	11.0
16	11.5	2.0	19.5	13.0	25.0	19.0	25.5	18.0	28.0	21.0	11.0	10.0
17	14.5	5.5	21.5	12.0	23.5	16.5	26.0	19.0	25.5	20.5	16.0	8.0
18	15.0	9.0	23.0	16.0	20.0	14.5	28.0	21.0	27.0	21.0	18.0	10.5
19	12.0	8.5	24.5	16.0	17.0	12.0	23.5	19.0	29.0	21.0	20.5	14.5
20	12.0	5.5	24.0	17.0	20.5	13.5	19.0	16.5	28.5	21.0	16.5	14.5
21	12.0	5.0	22.0	17.0	23.5	14.5	20.0	15.5	28.5	21.5	20.0	16.0
22	13.5	6.5	22.0	14.5	25.5	17.0	19.5	16.5	28.0	21.0	20.0	13.5
23	15.5	8.5	24.0	14.5	28.0	19.0	25.0	18.0	25.5	22.0	18.5	16.0
24	13.5	10.5	19.0	14.0	29.0	19.0	28.0	20.5	23.5	20.5	19.0	16.5
25	11.0	8.0	19.5	12.0	29.5	21.0	25.5	21.0	29.0	21.0	16.5	14.0
26	11.5	6.5	16.5	12.0	26.0	21.0	27.0	19.0	27.0	21.5	14.5	13.5
27	11.5	8.0	12.0	10.5	25.0	18.5	25.5	20.5	27.0	20.5	14.0	12.0
28	15.5	7.0	17.0	10.5	28.5	19.5	28.0	19.5	27.0	19.5	13.5	11.0
29	15.0	10.5	14.5	11.5	28.0	19.5	26.5	19.0	26.0	21.5	12.0	11.0
30	13.0	8.5	20.5	10.0	29.5	19.5	24.5	20.5	25.5	21.0	15.0	12.0
31	---	---	21.5	14.5	---	---	26.0	18.5	25.5	20.5	---	---
MONTH	16.5	0.0	24.5	4.0	29.5	12.0	31.5	15.5	29.0	16.5	28.0	8.0

PLATTE RIVER BASIN

75

06775900 DISMAL RIVER NEAR THEDFORD, NEBR.
(Hydrologic bench-mark and radiochemical station)

LOCATION.--Lat 41°46'45", long 100°31'30", in SE¼NW¼ sec.23, T.21 N., R.28 W., Thomas County, at gaging station at bridge on State Highway 83, 2 mi (3.2 km) upstream from boundary of Nebraska National Forest (Bessey Division) and 14 mi (22.5 km) south of Thedford.

DRAINAGE AREA.--960 mi² (2,490 km²), approximately, of which about 30 mi² (78 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: October 1967 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SiO ₂) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MANG) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO ₃) (MG/L) (00440)	CAR- BONATE (CO ₃) (MG/L) (00445)
NOV. 16...	207	57	50	70	24	3.4	6.8	4.8	99	0
JAN. 18...	189	57	40	0	22	3.5	6.6	4.6	99	0
MAR. 20...	205	54	30	0	24	3.7	7.8	5.1	108	0
MAY 03...	198	54	20	0	23	3.4	7.1	4.9	104	0
JULY 03...	192	57	30	0	23	3.5	6.9	5.1	105	0
SEP. 05...	182	55	20	40	23	3.6	6.6	4.9	101	0

DATE	ALKA- LITY AS CaCO ₃ (MG/L) (00410)	DIS- SOLVED SULFATE (SO ₄) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)	TOTAL FILT- RABLE RESIDUE (MG/L) (00515)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)
NOV. 16...	81	7.7	1.8	.3	.46	.17	160	150	157	.22
JAN. 18...	81	9.0	2.5	.4	.49	.16	--	--	157	.21
MAR. 20...	89	7.1	1.4	.3	.44	.14	--	--	159	.22
MAY 03...	85	7.2	1.0	.3	.32	.18	150	--	154	.20
JULY 03...	86	7.8	1.5	.4	.20	.16	154	--	158	.21
SEP. 05...	83	6.9	1.2	.3	.33	.15	153	--	153	.21

DATE	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	TOTAL NON- FILT- RABLE RESIDUE (MG/L) (00530)	HARD- NESS (CA, MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)	CYANIDE (CM) (MG/L) (00720)
NOV. 16...	89.4	130	74	0	.3	175	7.5	10	.6	.00
JAN. 18...	80.1	--	69	0	.3	148	8.0	10	--	--
MAR. 20...	88.0	--	75	0	.4	184	7.7	10	.6	--
MAY 03...	80.2	--	71	0	.4	182	7.4	5	7.0	.00
JULY 03...	79.8	--	72	0	.4	179	8.2	6	.6	--
SEP. 05...	75.2	--	72	0	.3	179	8.1	2	.7	--

FIELD DETERMINATIONS

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	IMMEDIATE COLIFORM (COL/100 ML) (31501)
NOV 16....	1000	4.5	15	10.7	46
JAN 18....	1000	5.0	30	9.8	<10
MAR 20....	0953	8.0	25	9.6	<10
MAY 03....	1017	11.0	15	11.7	<10
JULY 03....	0937	21.0	15	7.7	400
SEP 05....	0945	15.9	10	8.7	210

PLATTE RIVER BASIN

06775900 DISMAL RIVER NEAR THEDFORD, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	ALDRIN (UG/L) (39330)	ALDRIN IN BOTTOM DE- POSITS (UG/KG) (39333)	CHLOR- DANE (UG/L) (39350)	CHLOR- DANE IN BOTTOM DE- POSITS (UG/KG) (39351)	DDD (UG/L) (39360)	DDD IN BOTTOM DE- POSITS (UG/KG) (39363)	DDE (UG/L) (39365)	DDE IN BOTTOM DE- POSITS (UG/KG) (39368)	DDT (UG/L) (39370)	DDT IN BOTTOM DE- POSITS (UG/KG) (39373)
NOV. 16...	--	--	--	--	--	--	--	--	--	--
16...	.00	--	.0	--	.00	--	.00	--	.00	--
16...	--	.0	--	0	--	.0	--	.0	--	.0
JAN. 18...	--	--	--	--	--	--	--	--	--	--
MAR. 20...	--	--	--	--	--	--	--	--	--	--
MAY 03...	--	--	--	--	--	--	--	--	--	--
JULY 03...	--	--	--	--	--	--	--	--	--	--
SEP. 05...	--	--	--	--	--	--	--	--	--	--

DATE	DI- AZINON (UG/L) (39370)	DI- ELDRIN (UG/L) (39380)	DI- ELDRIN IN BOTTOM DE- POSITS (UG/KG) (39383)	ENDRIN (UG/L) (39390)	ENDRIN IN BOTTOM DE- POSITS (UG/KG) (39393)	HEPTA- CHLOR (UG/L) (39410)	HEPTA- CHLOR IN BOTTOM DE- POSITS (UG/KG) (39413)	HEPTA- CHLOR EPOXIDE (UG/L) (39420)	HEPTA- CHLOR EPOXIDE IN BOT- TOM DE- POSITS (UG/KG) (39423)	LINDANE (UG/L) (39340)
NOV. 16...	--	--	--	--	--	--	--	--	--	--
16...	.00	.00	--	.00	--	.00	--	.00	--	.00
16...	--	--	.0	--	.0	--	.0	--	.0	--
JAN. 18...	--	--	--	--	--	--	--	--	--	--
MAR. 20...	--	--	--	--	--	--	--	--	--	--
MAY 03...	--	--	--	--	--	--	--	--	--	--
JULY 03...	--	--	--	--	--	--	--	--	--	--
SEP. 05...	--	--	--	--	--	--	--	--	--	--

DATE	LINDANE IN BOTTOM DE- POSITS (UG/KG) (39343)	MALA- THION (UG/L) (39530)	METHYL PARA- THION (UG/L) (39600)	PARA- THION (UG/L) (39540)	PCB (UG/L) (39516)	PCB IN BOTTOM DE- POSITS (UG/KG) (39519)	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVEX (UG/L) (39760)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)
NOV. 16...	--	--	--	--	--	--	--	--	--	10
16...	--	.00	.00	.00	.0	--	.00	.00	.00	--
16...	.0	--	--	--	--	0	--	--	--	--
JAN. 18...	--	--	--	--	--	--	--	--	--	--
MAR. 20...	--	--	--	--	--	--	--	--	--	--
MAY 03...	--	--	--	--	--	--	--	--	--	9
JULY 03...	--	--	--	--	--	--	--	--	--	--
SEP. 05...	--	--	--	--	--	--	--	--	--	--

DATE	DIS- SOLVED BARIUM (BA) (UG/L) (01005)	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L) (01032)	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	DIS- SOLVED SILVER (AG) (UG/L) (01075)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)
NOV. 16...	0	20	0	0	110	88	.3	1	20	1
16...	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--
JAN. 18...	--	20	--	--	--	--	--	--	--	--
MAR. 20...	--	40	--	--	--	--	--	--	--	--
MAY 03...	0	60	1	0	2	2	.2	1	20	0
JULY 03...	--	30	--	--	--	--	--	--	--	--
SEP. 05...	--	40	--	--	--	--	--	--	--	--

PLATTE RIVER BASIN

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06777000 MIDDLE LOUP RIVER NEAR MILBURN, NEBR.

LOCATION.--Lat 41°49'02", long 99°58'15", in NE¼SW¼ sec.3, T.21 N., R.23 W., Blaine County, at Laughran bridge 9 mi (14.5 km) upstream from Rifle Creek and 15 mi (24.1 km) northwest of Milburn.

DRAINAGE AREA.--3,690 mi² (9,560 km²), approximately, of which 135 mi² (350 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: February 1970 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SI02) (MG/L) (00955)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LINIT AS CAC03 (MG/L) (00410)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)
FEB. 05...	755	58	22	3.2	6.9	5.9	101	0	83	7.3	1.5
JULY 17...	728	58	22	3.2	7.1	5.2	98	0	80	6.5	1.3
DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS- SOLVED PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA+MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
FEB. 05...	.3	.60	.16	40	157	.21	320	68	0	.4	20
JULY 17...	.4	.31	.17	140	154	.21	303	68	0	.4	7

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)
OCT.							
02...	1215	773	158	7.8	17.0	15	8.6
12...	1215	777	176	7.6	9.0	10	10.1
17...	1155	768	160	7.9	9.0	10	10.1
NOV.							
03...	1045	749	168	7.6	4.0	20	11.7
09...	1140	857	171	7.9	4.5	20	10.8
15...	1215	809	173	7.5	.5	45	--
29...	1110	821	177	7.6	1.0	30	12.4
DEC.							
22...	1115	861	161	7.4	2.0	15	10.4
JAN.							
17...	1430	940	147	7.4	1.5	15	10.0
FEB.							
05...	1215	755	--	7.7	6.0	35	10.8
MAR.							
19...	1148	951	200	8.0	7.0	40	10.5
APR.							
10...	1345	795	173	7.7	9.0	20	9.5
MAY							
03...	1120	879	172	8.1	7.5	20	10.8
JUNE							
11...	--	657	--	8.0	26.0	15	7.4
JULY							
02...	1407	830	173	8.0	24.0	20	8.4
17...	1110	728	174	7.9	24.0	10	8.2
24...	0950	704	171	7.6	21.5	15	7.7
30...	1110	898	157	7.8	21.0	40	7.8
AUG.							
07...	1117	775	174	8.0	23.0	15	7.9
13...	1125	830	169	7.9	23.5	15	7.6
23...	1055	763	174	7.9	21.0	20	8.0
29...	1057	720	171	7.9	24.0	15	7.7
SEP.							
04...	1110	756	172	7.9	17.0	10	8.6
10...	1125	765	163	7.8	22.5	15	8.4
20...	1100	782	167	7.9	14.0	15	9.4
25...	1145	903	167	7.8	15.0	15	8.7

PLATTE RIVER BASIN

06778500 MIDDLE LOUP RIVER NEAR COMSTOCK, NEBR.

LOCATION.--Lat 41°28'49", Long 99°12'43", in NE¼NE¼NE¼ sec.1, T.17 N., R.17 W., Custer County, at bridge on Custer-Valley County line 0.3 mi (0.5 km) downstream from diversions for canals 3 and 4, 1.3 mi (2.1 km), south of Burlington Northern Inc. crossing, and 5.5 mi (8.8 km) southeast of Comstock.

DRAINAGE AREA.--4,650 mi² (12,000 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: August 1969 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (000660)	DIS- SOLVED SILICA (SI02) (MG/L) (00955)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LINITY AS CAC03 (MG/L) (00410)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)
FEB. 06...	1200	51	23	3.3	7.0	5.8	107	0	88	9.5	2.0
JULY 17...	31	58	34	4.7	8.1	6.5	138	0	113	11	1.9
DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS- SOLVED PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA,MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
FEB. 06...	.4	.39	.15	50	157	.21	509	71	0	.4	20
JULY 17...	.5	.07	.11	30	193	.26	16.2	100	0	.3	10

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (000660)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)
OCT.							
03...	1500	420	193	8.1	20.5	20	8.9
12...	1620	405	198	7.8	12.0	15	10.1
17...	1612	425	184	8.1	8.5	15	10.1
NOV.							
03...	1345	791	193	7.6	5.5	60	11.9
09...	1610	1000	194	7.8	3.5	25	11.2
17...	1100	1090	201	7.4	.5	20	--
29...	1530	866	189	7.5	1.0	80	11.2
DEC.							
22...	1520	1170	175	7.4	.5	15	11.0
JAN.							
18...	1600	1180	180	7.4	.5	15	10.9
FEB.							
06...	1405	1200	--	--	.0	10	11.0
MAR.							
22...	1010	916	211	7.6	5.0	30	11.0
APR.							
11...	1500	901	198	8.1	16.0	25	9.7
30...	1200	415	--	8.0	13.5	10	9.5
JUNE							
12...	1100	260	200	7.8	19.5	10	8.1
JULY							
06...	1240	141	173	8.3	29.5	20	7.7
17...	1550	31	238	8.2	31.0	10	8.0
24...	1420	260	209	7.9	26.5	15	7.8
30...	1413	108	197	8.2	23.5	9	8.3
AUG.							
09...	1010	21	242	8.0	24.0	10	8.0
14...	1400	298	186	8.0	26.0	15	7.9
23...	1533	70	213	8.3	23.5	10	8.2
29...	1500	90	220	8.5	29.0	10	7.9
SEP.							
07...	1405	153	194	8.2	21.0	10	8.6
10...	1535	257	--	8.4	26.5	10	8.3
20...	1545	389	186	8.3	18.0	10	9.4
27...	1415	468	184	7.9	16.5	20	9.4

PLATTE RIVER BASIN

79

06783000 MUD CREEK NEAR BROKEN BOW, NEBR.

LOCATION.--41°22'30", long 99°35'10", in NW¼SW¼NW¼ sec.11, T.16 N., R.20 W., Custer County, at bridge on State Highway 2, about 3 mi (4.8 km) southeast of Broken Bow.

PERIOD OF RECORD.--Chemical analyses: April 1973 to September 1973.

WATER QUALITY DATA, APRIL 1973 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SiO2) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (CO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LINITY AS CACO3 (MG/L) (00410)
APR. 10...	1.9	--	--	--	--	--	--	--	--	--	--
MAY 22...	1.3	48	130	430	73	12	60	17	350	0	287
JUNE 12...	7.7	--	--	--	--	--	--	--	--	--	--
JULY 06...	3.9	--	--	--	--	--	--	--	--	--	--
AUG. 07...	1.9	47	40	100	68	11	41	17	298	0	244
SEP. 26...	3.2	--	--	--	--	--	--	--	--	--	--

DATE	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L) (00608)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)
APR. 10...	--	31	--	.39	--	2.4	2.8	5.2	2.3	1.7	448
MAY 22...	26	52	.5	.73	1.3	--	3.8	5.1	2.8	2.3	--
JUNE 12...	--	34	--	1.4	2.0	--	3.6	5.6	2.6	2.1	440
JULY 06...	--	27	--	.24	2.0	--	2.3	4.3	2.3	1.9	261
AUG. 07...	24	34	.5	.85	.10	--	1.4	1.5	1.7	1.6	--
SEP. 26...	--	23	--	.22	1.0	--	2.6	3.6	1.7	1.3	308

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA+MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)
APR. 10...	--	.61	2.30	--	--	--	663	--	>5.3	--
MAY 22...	465	.63	1.63	230	0	1.7	748	70	>5.9	--
JUNE 12...	--	.60	9.15	--	--	--	670	--	20	--
JULY 06...	--	.36	2.75	--	--	--	499	--	12	--
AUG. 07...	394	.54	2.02	220	0	1.2	623	30	18	8
SEP. 26...	--	.42	2.66	--	--	--	510	--	10	--

PLATTE RIVER BASIN

06783000 MUD CREEK NEAR BROKEN BOW, NEBR.--Continued

WATER QUALITY DATA, APRIL 1973 TO SEPTEMBER 1973

DATE	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CADMIUM (CD) (UG/L) (01025)	DIS-SOLVED CHROMIUM (CR) (UG/L) (01030)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (MG) (UG/L) (71900)	DIS-SOLVED MERCURY (MG) (UG/L) (71890)	DIS-SOLVED SELENIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
APR. 10...	--	--	--	--	--	--	--	--	--	--
MAY 22...	280	--	--	--	--	--	--	--	--	--
JUNE 12...	--	--	--	--	--	--	--	--	--	--
JULY 06...	--	--	--	--	--	--	--	--	--	--
AUG. 07...	200	1	0	6	4	3.3	3.3	15	0	40
SEP. 26...	--	--	--	--	--	--	--	--	--	--

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL. ONIES PER 100 ML) (31679)
APR. 10...	1610	1.9	8.3	5.0	15	12.2	<100	200
MAY 22...	1325	1.3	8.0	19.0	20	7.6	3800	2000
JUNE 12...	1410	7.7	7.6	19.5	50	3.8	--	15990
JULY 06...	1030	3.9	7.3	25.0	70	3.5	3600	770
AUG. 07...	1440	1.9	7.8	26.5	60	6.6	3700	900
SEP. 26...	1300	3.2	7.4	15.0	45	4.3	1200	1800

06785000 MIDDLE LOUP RIVER AT ST. PAUL, NEBR.

LOCATION.--Lat 41°11'55", long 98°26'50", in NE¼SW¼NE¼ sec.10, T.14 N., R.10 W., Howard County, at gaging station 450 ft (137 m) upstream from bridge on U.S. Highway 281 and 6 mi (9.7 km) upstream from confluence with North Loup River.

DRAINAGE AREA.--8,090 mi² (21,000 km²), approximately, of which about 3,200 mi² (8,290 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SiO2) (MG/L) (00955)	DIS-SOLVED CALCIUM (CA) (MG/L) (00915)	DIS-SOLVED MAGNESIUM (MG) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CaCO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLORIDE (CL) (MG/L) (00940)
FEB. 08...	1720	49	40	6.3	8.9	7.9	169	0	139	11	2.5
JULY 16...	188	49	51	9.4	13	9.8	212	0	174	17	4.2

PLATTE RIVER BASIN

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06785000 MIDDLE LOUP RIVER AT ST. PAUL, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA+MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
FEB. 08...	.3	.64	.21	50	212	.29	985	130	0	.3	20
JULY 16...	.5	.57	.32	70	261	.36	132	170	0	.4	30

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)
OCT.							
05...	1030	470	303	8.3	15.0	30	9.3
12...	1310	596	299	8.3	11.5	30	10.0
19...	1710	--	281	8.2	7.0	30	10.9
NOV.							
03...	1605	--	260	8.0	9.5	60	11.1
06...	1345	900	264	8.1	7.5	40	10.8
17...	1330	1130	300	7.6	.5	65	12.5
DEC.							
01...	1300	1250	264	7.9	6.5	50	11.3
22...	1030	1070	276	7.4	2.0	10	10.0
JAN.							
15...	1145	1090	273	7.2	2.0	10	8.3
FEB.							
08...	1405	1720	280	8.1	.5	15	11.2
MAR.							
20...	1350	1370	308	7.7	12.5	75	10.0
APR.							
12...	1350	1000	316	7.8	15.0	40	9.3
MAY							
03...	1420	696	317	7.9	18.0	40	8.9
JUNE							
14...	1420	899	336	8.3	26.0	75	7.4
JULY							
03...	1350	396	325	8.2	29.0	40	8.6
16...	1245	188	358	8.1	28.5	50	7.6
25...	1540	3320	177	7.5	15.0	200	6.9
AUG.							
03...	1145	506	350	8.2	24.5	50	6.7
09...	1310	259	371	8.2	28.0	50	8.0
14...	1410	501	350	7.9	27.0	120	7.4
23...	1050	255	398	8.3	22.5	35	7.8
30...	1200	234	354	8.3	26.0	40	8.1
SEP.							
06...	1425	314	350	8.3	25.0	40	8.4
18...	1200	1230	293	8.0	14.0	55	9.7
27...	1325	723	246	8.0	24.0	35	9.4

PLATTE RIVER BASIN

06787500 CALAMUS RIVER NEAR BURWELL, NEBR.

LOCATION.--Lat 41°48'35", long 99°10'56", in NW¼NW¼ sec.9, T.21 N., R.16 W., Garfield County, at gaging station at bridge 1.5 mi (2.4 km) upstream from mouth and 3 mi (4.8 km) northwest of Burwell.

DRAINAGE AREA.--1,060 mi² (2,750 km²), approximately, of which about 110 mi² (280 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: October 1971 to September 1973.

Water temperatures: October 1971 to September 1973.

EXTREMES.--1972-73:

Specific conductance: Maximum daily, 183 micromhos Dec. 3; minimum daily, 125 micromhos Sept. 28.

Water temperatures: Maximum, 32.0°C June 30; minimum, 0.5°C on many days during December to February.

Period of record:

Specific conductance: Maximum daily, 221 micromhos May 17, 1972; minimum daily, 118 micromhos July 30, 1972.

Water temperatures: Maximum, 32.0°C June 30, 1973; minimum, freezing point on many days during winter period.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SiO ₂) (MG/L) (00955)	DIS- SOLVED ALUM- INUM (AL) (UG/L) (01106)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO ₃) (MG/L) (00440)
OCT.										
18...	271	54	60	100	20	17	2.6	5.7	5.6	79
NOV.										
15...	325	50	--	--	--	19	2.6	5.7	5.2	78
DEC.										
28...	288	51	--	--	--	19	2.4	5.8	4.5	83
JAN.										
23...	314	50	--	--	--	18	2.7	6.2	4.9	81
MAR.										
05...	378	44	30	110	10	17	2.6	5.7	4.7	81
APR.										
03...	391	45	--	--	--	19	2.9	7.5	5.3	93
MAY										
02...	337	44	--	--	--	18	2.7	5.9	4.8	81
JUNE										
14...	312	47	--	--	--	18	2.7	5.8	4.5	89
JULY										
12...	244	50	--	--	--	18	2.7	5.3	4.5	83
AUG.										
08...	282	47	--	--	--	19	2.6	5.8	5.5	84
SEP.										
21...	271	51	10	40	0	17	2.4	5.9	5.2	85

DATE	CAR- BONATE (CO ₃) (MG/L) (00445)	ALKA- LINITY AS CACO ₃ (MG/L) (00410)	DIS- SOLVED SULFATE (SO ₄) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)
OCT.										
18...	0	64	4.4	.8	.3	.00	.14	130	.18	95.1
NOV.										
15...	0	64	6.2	1.8	.4	.59	.17	132	.18	116
DEC.										
28...	0	68	5.7	2.6	.3	.71	.21	135	.18	109
JAN.										
23...	0	66	7.6	1.8	.2	.73	.24	135	.18	114
MAR.										
05...	0	66	6.0	1.5	.3	.45	.17	124	.17	127
APR.										
03...	0	76	5.1	2.1	.3	.42	.17	135	.18	143
MAY										
02...	0	66	5.0	1.4	.2	.38	.14	124	.17	113
JUNE										
14...	0	73	4.0	.7	.4	.30	.15	128	.17	108
JULY										
12...	0	68	5.9	1.0	.2	.18	.16	129	.18	85.0
AUG.										
08...	0	69	5.7	1.3	.5	.20	.14	130	.18	99.0
SEP.										
21...	0	70	4.5	1.2	.3	.38	.17	131	.18	95.9

PLATTE RIVER BASIN

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06787500 CALAMUS RIVER NEAR BURWELL, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	HARD- NESS (CA,MG) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED VANA- DIUM (V) (UG/L) (01085)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
OCT. 18...	53	0	.3	137	7	30	4	6.6	30
NOV. 15...	58	0	.3	139	20	20	--	--	--
DEC. 28...	57	0	.3	138	10	10	--	--	--
JAN. 23...	56	0	.4	143	10	40	--	--	--
MAR. 05...	53	0	.3	139	20	40	0	7.1	20
APR. 03...	59	0	.4	157	30	40	--	--	--
MAY 02...	56	0	.3	143	20	50	--	--	--
JUNE 14...	56	0	.3	142	20	0	--	--	--
JULY 12...	56	0	.3	146	20	30	--	--	--
AUG. 08...	58	0	.3	141	6	20	--	--	--
SEP. 21...	52	0	.4	137	4	10	1	6.5	20

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)
OCT. 18...	1323	271	7.7	6.0	--	11.3
NOV. 15...	1230	325	8.2	.0	9	12.4
DEC. 28...	1140	288	7.6	3.0	--	11.9
JAN. 23...	1210	314	7.3	.0	8	12.1
FEB. 05...	1335	305	7.4	1.5	8	11.2
MAR. 05...	1140	378	7.5	5.0	10	10.9
APR. 03...	1227	391	7.6	8.5	10	10.8
MAY 02...	1050	337	7.2	6.0	15	10.7
JUNE 13...	1430	311	7.5	24.0	20	8.0
JUNE 14...	1430	311	--	--	--	--
JULY 12...	1000	244	7.6	23.0	10	7.9
AUG. 08...	1200	282	7.7	27.0	10	7.5
SEP. 21...	1130	271	7.7	17.0	10	8.7

PLATTE RIVER BASIN

06787500 CALAMUS RIVER NEAR BURWELL, NEBR.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEC. C), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	139	154	147	144	141	138	159	146	159	149	152	145
2	141	136	173	142	133	139	158	146	161	144	140	138
3	139	137	149	144	136	143	155	144	160	143	137	142
4	138	140	180	147	146	135	154	148	154	172	138	139
5	155	142	183	151	137	138	158	147	155	144	138	140
6	140	141	182	145	135	142	160	148	154	143	137	141
7	139	146	145	152	134	142	147	147	150	143	138	145
8	141	142	145	146	134	142	147	150	147	144	140	138
9	140	158	144	147	134	144	150	147	147	143	136	154
10	150	141	143	146	139	143	152	148	145	146	134	135
11	148	140	143	142	139	144	144	150	148	140	132	135
12	146	141	144	151	146	139	146	165	142	140	134	139
13	138	138	144	137	146	136	145	146	146	141	139	135
14	140	154	141	166	148	140	146	146	144	139	137	133
15	139	146	143	145	155	146	149	148	143	144	132	146
16	150	144	146	129	148	154	145	149	146	145	142	135
17	141	153	146	158	140	144	153	148	147	139	137	156
18	138	144	150	130	130	146	152	147	147	135	140	134
19	139	149	141	138	131	150	151	147	143	134	138	134
20	139	142	141	139	136	145	150	146	142	138	140	136
21	147	142	141	140	134	161	151	146	142	146	151	137
22	144	143	141	142	137	146	150	146	152	143	142	134
23	138	158	142	146	141	144	151	148	144	143	139	135
24	140	145	141	160	137	145	147	147	144	150	138	131
25	142	144	139	147	138	146	147	143	143	148	139	135
26	139	147	141	142	142	147	147	136	142	135	137	154
27	140	142	143	151	138	148	145	134	143	136	140	144
28	139	143	138	143	144	149	144	151	145	143	139	125
29	139	142	142	150	---	155	143	178	145	143	138	136
30	139	155	146	141	---	158	149	152	144	141	139	138
31	141	---	143	139	---	162	---	156	---	145	138	---
MONTH	142	145	148	145	139	146	150	148	147	143	139	139

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.5	5.5	5.5	3.0	2.0	6.5	5.5	8.5	23.5	27.5	29.5	21.0
2	18.0	5.0	2.0	2.5	2.5	6.0	6.0	12.5	25.0	29.5	28.0	21.5
3	17.0	10.5	0.5	0.5	4.5	5.5	6.5	7.5	24.5	29.5	28.5	21.0
4	17.5	11.5	0.5	0.5	4.0	6.5	5.0	12.5	22.5	29.5	28.5	21.5
5	13.5	11.0	0.5	0.5	4.0	5.0	14.5	16.0	19.0	29.5	29.0	21.5
6	12.5	10.5	0.5	0.5	0.5	4.5	16.5	17.0	26.0	29.0	28.5	20.0
7	13.0	4.5	0.5	0.5	1.0	5.0	7.0	17.5	28.0	28.0	26.0	18.5
8	14.0	8.0	0.5	0.5	0.5	4.5	5.5	16.0	28.0	29.5	29.5	19.5
9	11.5	6.5	0.5	0.5	0.5	5.0	4.5	20.0	27.5	25.5	26.5	20.5
10	11.0	8.5	0.5	0.5	0.5	5.5	6.5	11.5	24.5	27.5	26.5	23.5
11	10.5	9.5	0.5	0.5	5.5	8.5	6.5	14.5	27.5	26.0	26.0	18.0
12	12.5	7.5	0.5	0.5	4.5	10.0	8.5	8.5	22.0	26.0	28.5	15.5
13	12.5	4.0	0.5	1.0	3.5	6.5	8.0	15.5	22.5	29.5	28.0	15.5
14	12.0	5.5	1.0	3.0	0.5	7.0	11.5	11.5	25.5	30.0	28.0	18.5
15	9.5	2.5	0.5	3.0	0.5	6.5	7.5	17.5	23.0	28.0	28.5	12.5
16	5.5	4.5	0.5	3.0	0.5	5.0	12.5	13.0	21.5	30.5	28.5	13.5
17	6.5	5.0	1.0	1.0	0.5	9.5	8.5	12.0	24.5	28.5	29.5	9.0
18	5.0	4.5	1.0	1.5	2.0	7.0	16.5	12.0	22.0	26.5	29.0	18.0
19	4.0	8.0	0.5	2.5	4.5	6.5	9.5	15.0	22.0	19.5	28.0	18.5
20	5.5	5.0	1.5	2.0	2.0	5.5	14.0	18.0	25.0	18.5	28.0	14.5
21	9.5	4.5	2.0	2.0	3.5	6.5	14.5	20.0	24.5	19.5	28.0	17.5
22	8.5	4.5	1.5	1.5	4.5	5.0	15.5	18.0	24.0	22.5	28.0	19.5
23	6.0	5.0	1.0	0.5	6.0	6.5	17.0	17.5	25.5	24.0	23.0	21.0
24	5.5	5.5	1.5	1.5	3.5	6.5	10.5	15.5	26.0	22.5	23.5	17.0
25	6.5	5.0	2.5	3.5	3.5	7.0	8.5	17.5	29.5	24.5	28.5	16.5
26	8.5	6.5	4.5	3.0	4.0	6.5	10.5	16.0	30.5	29.0	29.5	15.5
27	8.0	4.5	5.0	1.5	4.5	6.5	10.5	16.5	27.5	25.5	28.5	14.0
28	11.5	2.0	4.5	1.0	4.5	7.0	14.5	15.5	31.5	26.5	19.5	13.0
29	11.0	1.5	5.5	0.5	---	5.0	14.5	17.0	31.0	29.0	25.5	13.0
30	5.5	6.0	1.0	0.5	---	5.0	12.5	17.5	32.0	26.0	25.0	16.5
31	3.5	---	1.5	2.5	---	6.0	---	19.5	---	29.5	20.5	---
MONTH	10.0	6.0	1.5	1.5	3.0	6.0	10.5	15.0	25.5	26.5	27.0	17.5

PLATTE RIVER BASIN

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06792499 LOUP RIVER POWER CANAL AT DIVERSION NEAR GENOA, NEBR.

LOCATION.--Lat 41°23'31", long 97°49'20", in NE¼NW¼ sec.6, T.16 N., R.4 W., Nance County, at diversion structure, 2 mi (3.2 km) upstream from gaging station and 5.5 mi (8.8 km) southwest of Genoa.

PERIOD OF RECORD.--Chemical analyses: October 1972 to September 1973.

Water temperatures: October 1972 to September 1973.

EXTREMES.--1972-73:

Specific conductance: Maximum daily 444 micromhos Dec. 11; minimum daily 219 micromhos Dec. 29.

Water temperatures: Maximum, 32.0°C July 7; minimum, 0.5°C on many days December to March.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (000660)	DIS- SOLVED SILICA (SID2) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)
OCT.									
12...	1580	49	20	0	--	--	--	--	--
NOV.									
22...	2450	51	50	30	36	5.6	9.4	6.6	151
DEC.									
19...	1600	66	40	10	43	7.0	10	7.8	183
JAN.									
24...	2200	42	60	0	32	5.2	7.4	9.7	142
FEB.									
15...	2000	48	40	40	39	6.5	8.6	7.1	172
MAR.									
09...	2800	42	50	30	36	5.7	9.3	8.0	158
APR.									
17...	2880	38	60	30	36	6.1	8.3	7.8	150
MAY									
10...	1890	45	30	20	39	6.3	10	7.9	166
JUNE									
21...	1400	48	20	0	40	6.5	9.3	7.6	171
JULY									
10...	890	49	20	10	38	5.8	9.7	8.9	167
AUG.									
22...	960	45	100	32	39	6.4	9.7	9.8	186
SEP.									
12...	1330	46	70	0	38	6.3	9.1	7.7	169

DATE	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LINITY AS CACO3 (MG/L) (00410)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (SUM OF TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)
OCT.									
12...	--	125	--	--	--	--	.18	198	.27
NOV.									
22...	0	124	8.9	1.8	.3	.66	.24	197	.27
DEC.									
19...	0	150	14	3.4	.5	.68	.26	245	.33
JAN.									
24...	0	116	12	3.1	.3	.89	.34	186	.25
FEB.									
15...	0	141	14	2.4	.4	.53	.17	213	.29
MAR.									
08...	0	130	13	3.6	.4	.43	.17	198	.27
APR.									
17...	0	123	7.7	3.0	.3	.41	.28	183	.25
MAY									
10...	0	136	12	2.7	.4	.04	.14	205	.28
JUNE									
21...	0	140	9.8	2.3	.4	.00	.10	208	.28
JULY									
10...	0	137	11	2.8	.5	.00	.16	208	.28
AUG.									
22...	8	166	13	3.4	.4	.00	.06	227	.31
SEP.									
12...	0	139	9.7	2.7	.3	.01	.11	203	.28

PLATTE RIVER BASIN

06792499 LOUP RIVER POWER CANAL AT DIVERSION NEAR GENOA, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA,MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	DIS- SOLVED BORON (B) (UG/L) (01020)
OCT.								
12...	845	110	0	.3	260	7.8	10	40
NOV.								
22...	1300	110	0	.4	258	7.8	20	20
DEC.								
19...	1060	140	0	.4	322	7.5	8	60
JAN.								
24...	1100	100	0	.3	251	7.5	50	70
FEB.								
15...	1150	120	0	.3	295	7.9	10	30
MAR.								
08...	1500	110	0	.4	270	8.1	60	40
APR.								
17...	1420	120	0	.3	270	7.5	100	60
MAY								
10...	1050	120	0	.4	288	8.3	20	50
JUNE								
21...	786	130	0	.4	294	7.6	20	60
JULY								
10...	500	120	0	.4	276	8.2	20	20
AUG.								
22...	588	120	0	.4	292	8.5	20	80
SEP.								
12...	729	120	0	.4	275	8.2	10	60

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEC. C), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	268	244	268	250	264	231	331	306	275	305	313	322
2	265	256	269	270	264	223	332	297	277	296	303	317
3	261	263	290	283	265	228	312	285	255	293	304	292
4	262	260	315	290	261	270	306	277	257	286	300	297
5	259	259	340	306	260	237	304	286	275	267	318	282
6	259	254	376	307	252	256	305	282	285	280	317	293
7	260	253	417	317	255	268	299	290	295	284	328	281
8	265	253	416	321	258	267	290	292	303	292	324	275
9	272	254	430	310	261	256	292	289	314	281	332	282
10	261	252	437	319	274	263	292	291	314	288	339	288
11	254	252	444	318	270	263	297	298	312	293	304	283
12	263	249	421	312	272	285	289	295	281	292	321	279
13	261	232	379	303	266	278	289	298	302	302	319	275
14	263	252	346	292	265	291	297	298	298	354	296	266
15	265	262	330	289	267	285	288	295	304	332	272	263
16	268	263	326	228	275	277	273	298	283	336	241	263
17	267	273	328	227	289	265	282	306	295	340	248	266
18	264	265	316	229	296	283	274	298	294	324	268	274
19	289	261	292	228	295	286	278	293	304	311	276	275
20	263	261	292	230	281	281	275	292	294	250	282	278
21	266	262	281	228	268	287	282	290	293	253	288	274
22	263	265	265	235	240	283	284	288	296	261	296	277
23	261	263	263	251	227	277	277	284	295	257	299	276
24	258	273	263	256	223	288	280	294	291	254	296	276
25	263	263	258	261	233	300	283	285	293	265	291	276
26	252	269	254	229	234	314	292	238	295	233	292	274
27	275	267	255	225	241	310	297	216	291	255	296	267
28	254	270	247	249	234	291	302	272	292	263	298	258
29	254	260	219	251	---	293	296	274	292	274	295	248
30	244	265	234	260	---	304	294	268	302	282	294	234
31	242	---	247	266	---	309	---	275	---	285	298	---
MONTH	262	259	317	269	260	276	293	285	292	287	298	277

PLATTE RIVER BASIN

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06792499 LOUP RIVER POWER CANAL AT DIVERSION NEAR GENOA, NEBR.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.0	4.5	5.0	0.5	0.5	0.5	8.5	11.0	25.0	30.5	26.5	27.0
2	19.5	5.0	1.0	0.5	0.5	0.5	11.0	14.0	23.0	24.0	27.0	25.5
3	20.0	9.0	0.5	0.5	0.5	0.5	9.0	17.0	24.0	27.0	28.5	24.5
4	21.0	9.5	0.5	0.5	0.5	0.5	10.5	18.5	19.5	30.0	28.5	24.5
5	18.0	11.5	0.5	0.5	0.5	0.5	13.0	19.5	20.0	29.5	27.0	24.5
6	15.5	9.0	0.5	0.5	0.5	2.0	15.5	17.0	23.5	30.0	29.0	25.5
7	16.0	10.0	0.5	0.5	0.5	4.5	9.0	14.5	26.0	32.0	28.5	22.0
8	15.0	10.0	0.5	0.5	0.5	8.0	6.0	20.0	26.5	31.0	31.0	21.0
9	14.5	8.5	0.5	0.5	0.5	6.0	6.0	21.0	23.5	28.5	29.0	23.0
10	15.5	8.0	0.5	0.5	0.5	6.0	9.0	21.0	26.0	28.5	30.5	24.5
11	13.5	6.5	0.5	0.5	0.5	6.5	13.5	20.0	28.0	29.5	29.0	22.0
12	14.5	6.0	0.5	0.5	0.5	11.5	14.0	18.0	23.0	28.5	29.5	17.0
13	15.5	0.5	0.5	0.5	0.5	11.5	15.0	18.5	25.5	28.5	29.5	16.5
14	15.0	1.5	0.5	0.5	0.5	10.0	13.5	19.0	23.0	26.0	29.5	19.5
15	11.5	0.0	0.5	0.5	0.5	6.0	10.5	19.0	28.5	28.0	28.5	15.5
16	15.0	1.5	0.5	0.5	0.5	7.0	13.0	19.0	28.0	28.5	27.0	13.0
17	11.0	1.5	0.5	0.5	0.5	9.5	15.5	20.5	28.0	26.0	28.5	13.0
18	9.0	1.5	0.5	0.5	0.5	9.5	16.5	22.0	24.0	29.0	29.0	15.5
19	8.5	4.0	0.5	0.5	0.5	9.0	15.5	22.0	20.5	25.5	30.5	18.0
20	6.0	4.0	0.5	0.5	0.5	10.5	15.5	23.5	23.0	16.0	29.0	17.0
21	8.5	4.0	0.5	0.5	0.5	12.0	17.0	25.0	24.0	18.5	29.5	20.5
22	9.0	4.5	0.5	0.5	0.5	8.0	17.0	19.5	25.5	20.5	28.5	21.0
23	8.0	4.0	0.5	0.5	0.5	9.5	19.5	23.0	29.5	24.0	25.5	18.5
24	10.0	3.5	0.5	0.5	0.5	8.5	19.0	19.5	29.5	26.0	23.5	21.0
25	11.5	4.0	0.5	0.5	0.5	6.5	11.5	21.5	26.5	23.0	30.0	20.0
26	13.5	2.0	0.5	0.5	0.5	10.0	13.5	14.0	26.5	26.5	29.5	17.0
27	13.0	3.5	0.5	0.5	0.5	11.0	16.5	14.0	26.0	27.0	28.5	15.5
28	9.5	3.0	0.5	0.5	0.5	9.0	17.0	18.0	27.0	28.5	28.5	16.5
29	8.0	1.5	0.5	0.5	---	6.5	19.0	15.5	28.0	27.0	29.0	18.0
30	8.0	3.0	0.5	0.5	---	7.0	14.5	19.5	29.5	26.0	29.0	16.5
31	4.5	---	0.5	0.5	---	7.0	---	23.5	---	26.0	25.0	---
MONTH	13.0	5.0	1.0	0.5	0.5	7.0	13.5	19.0	25.5	26.5	28.5	20.0

PLATTE RIVER BASIN

06793600 BEAVER CREEK NEAR ALBION, NEBR.

LOCATION.--Lat 41°41'00", long 97°58'25", in NW¼NW¼NE¼ sec.26, T.20 N., R.6 W., Boone County, at bridge on county road 0.8 mi (1.3 km) east and 0.6 mi (1.0 km) southeast of junction of highways 14, 39, and 91 at east edge of Albion.

PERIOD OF RECORD.--Chemical analyses: April 1973 to September 1973.

WATER QUALITY DATA, APRIL 1973 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SI02) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00448)	ALKA- LINITY AS CAC03 (MG/L) (00410)
APR. 12...	94	--	--	--	--	--	--	--	--	--	--
MAY 23...	50	34	20	40	40	6.0	8.6	7.9	174	0	143
JUNE 26...	50	35	100	20	39	6.4	8.6	7.6	173	0	142
JULY 26...	55	--	--	--	--	--	--	--	--	--	--
AUG. 29...	20	--	--	--	--	--	--	--	--	--	--
SEP. 20...	52	42	70	0	35	5.1	9.3	7.0	151	0	124

DATE	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)
APR. 12...	--	3.5	--	.24	.15	.85	1.0	.45	.36	213
MAY 23...	8.3	2.7	.4	.14	.17	.65	.82	.57	.44	--
JUNE 26...	9.5	3.1	.3	.24	.25	.85	1.1	.64	.52	--
JULY 26...	--	2.7	--	.38	.25	1.2	1.4	.69	.52	177
AUG. 29...	--	5.2	--	.81	.47	.83	1.3	.67	.67	218
SEP. 20...	7.1	2.1	.3	.31	.12	.56	.68	.62	.40	--

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA+MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)
APR. 12...	--	.29	54.1	--	--	--	283	--	2.6	--
MAY 23...	194	.26	26.2	120	0	.3	287	20	2.0	--
JUNE 26...	196	.27	26.5	120	0	.3	288	20	2.0	12
JULY 26...	--	.24	26.3	--	--	--	252	--	1.7	--
AUG. 29...	--	.30	11.8	--	--	--	293	--	2.8	--
SEP. 20...	184	.25	25.8	110	0	.4	258	20	2.2	--

PLATTE RIVER BASIN

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06793600 BEAVER CREEK NEAR ALBION, NEBR.--Continued

WATER QUALITY DATA, APRIL 1973 TO SEPTEMBER 1973

DATE	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)	DIS- SOLVED SILVER (AG) (UG/L) (01075)	DIS- SOLVED ZINC (ZN) (UG/LB) (01090)
APR. 12...	--	--	--	--	--	--	--	--	--	--
MAY 23...	50	--	--	--	--	--	--	--	--	--
JUNE 26...	30	0	0	14	3	.0	.0	3	0	10
JULY 26...	--	--	--	--	--	--	--	--	--	--
AUG. 29...	--	--	--	--	--	--	--	--	--	--
SEP. 20...	40	--	--	--	--	--	--	--	--	--

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
APR. 12...	1200	94	7.6	11.0	30	9.6	8300	4600
MAY 23...	1530	50	7.8	25.0	25	7.4	130	110
JUNE 26...	1510	50	7.3	24.0	25	7.7	2000	4400
JULY 26...	1530	55	7.6	27.0	50	7.6	2500	3920
AUG. 29...	1530	20	7.9	31.0	25	8.4	1930	70
SEP. 20...	1530	52	8.0	19.0	30	9.4	900	790

06796000 PLATTE RIVER AT NORTH BEND, NEBR.

LOCATION.--Lat 41°27'10", Long 96°45'50", in SE¼ sec.7, T.17 N., R.6 E., Dodge County, at gaging station on State Highway 79, 1 mi (1.6 km) south of North Bend.

DRAINAGE AREA.--81,100 mi² (210,000 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1972 to September 1973.
Water temperatures: October 1972 to September 1973.

EXTREMES.--1972-73:

Specific conductance: Maximum daily 790 micromhos June 25; minimum daily 299 micromhos Oct. 31.

Water temperatures: Maximum, 26.0°C several days in July; minimum, freezing point many days December to March.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SIO ₂) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MANGANESE (MN) (UG/L) (01056)	DIS- SOLVED CALCIUM (CA) (MG/L) (00915)	DIS- SOLVED MAGNESIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO ₃) (MG/L) (00440)	CARBONATE (CO ₃) (MG/L) (00445)	ALKALINITY AS CaCO ₃ (MG/L) (00410)
OCT.											
11...	3960	42	10	16	39	8.4	17	7.8	170	0	139
NOV.											
20...	5780	42	60	60	41	8.4	18	7.1	174	0	143
DEC.											
12...	2200	53	30	30	61	14	32	9.3	252	0	207
JAN.											
02...	6400	34	60	20	49	12	34	9.8	189	0	155
FEB.											
14...	6000	36	40	30	59	13	41	8.9	204	0	167
MAR.											
07...	10900	33	60	30	41	8.9	20	7.8	170	0	139
MAY											
02...	5880	31	20	10	50	13	32	8.3	189	0	155
19...	17000	24	30	10	78	20	66	13	221	0	181
JUNE											
12...	13800	26	760	10	68	18	64	5.2	255	0	209
JULY											
11...	2940	--	--	--	--	--	--	--	--	--	--
18...	840	33	--	--	64	17	47	9.5	235	0	193
AUG.											
08...	983	34	10	0	57	15	41	10	213	0	175
21...	2860	34	300	32	40	9.1	22	11	166	0	136
SEP.											
13...	5000	36	20	0	45	11	31	8.7	193	0	158

DATE	DIS- SOLVED SULFATE (SO ₄) (MG/L) (00945)	DIS- SOLVED CHLORIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUORIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	DIS- SOLVED AMMONIA NITROGEN (N) (MG/L) (00608)	ORGANIC NITROGEN (N) (MG/L) (00605)	DIS- SOLVED ORGANIC NITROGEN (N) (MG/L) (00607)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DIS- SOLVED KJELDAHL NITROGEN (N) (MG/L) (00623)
OCT.											
11...	31	7.1	.4	.00	--	--	--	--	--	--	--
NOV.											
20...	35	7.1	.6	.50	--	--	--	--	--	--	--
DEC.											
12...	60	12	.5	1.1	--	--	--	--	--	--	--
JAN.											
02...	78	14	.7	.54	--	--	--	--	--	--	--
FEB.											
14...	110	14	.5	.72	--	--	--	--	--	--	--
MAR.											
07...	53	7.9	.5	.63	--	--	--	--	--	--	--
MAY											
02...	85	12	.4	.35	.09	--	1.1	--	1.2	.27	--
19...	220	24	.6	.36	--	.01	--	.57	2.1	.46	.58
JUNE											
12...	160	22	.9	.13	--	.03	--	.44	1.2	.38	.47
JULY											
11...	--	--	--	--	--	--	--	--	--	--	--
18...	130	17	.4	.00	.06	--	.77	--	.83	.23	--
AUG.											
08...	110	13	.5	.00	.06	--	.75	--	.81	.27	--
21...	45	12	.4	.26	--	--	--	--	--	--	--
SEP.											
13...	69	10	.3	.09	.10	--	1.1	--	1.2	.28	--

PLATTE RIVER BASIN

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06796000 PLATTE RIVER AT NORTH BEND, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- SOL- VED- PHOS- (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA+MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)
OCT. 11...	.16	236	.32	2520	130	0	.6	339	7.8	20	--
NOV. 20...	.21	247	.34	3860	140	0	.7	354	7.0	20	--
DEC. 12...	.28	371	.50	2200	210	3	1.0	541	7.0	20	--
JAN. 02...	.17	327	.44	5650	170	17	1.1	480	7.6	90	--
FEB. 14...	.17	386	.53	6250	200	34	1.3	566	7.7	8	--
MAR. 07...	.22	259	.35	7620	140	0	.7	371	7.9	50	--
MAY 02...	.11	327	.44	5190	180	23	1.0	500	8.3	20	3.3
19...	.23	556	.76	24200	280	96	1.7	833	7.7	50	3.7
JUNE 12...	.11	491	.67	17800	240	35	1.8	810	7.9	40	2.8
JULY 11...	--	--	--	--	--	--	--	587	8.0	--	--
18...	.07	434	.59	984	230	37	1.4	655	8.3	20	4.0
AUG. 08...	.12	386	.53	1020	200	29	1.2	572	7.7	10	4.5
21...	.25	257	.35	1990	140	1	.8	372	8.2	50	--
SEP. 13...	.14	307	.42	4140	160	0	1.1	448	8.1	10	4.4

DATE	DDD IN FILT. FRAC. (UG/L) (39361)	DDD IN SUSP. FRAC. (UG/L) (39362)	DDE IN FILT. FRAC. (UG/L) (39366)	DDE IN SUSP. FRAC. (UG/L) (39367)	DDT IN FILT. FRAC. (UG/L) (39371)	DDT IN SUSP. FRAC. (UG/L) (39372)	DI- AZINON IN FILT. FRAC. (UG/L) (39572)	DI- AZINON IN SUSP. FRAC. (UG/L) (39573)	DI- ELDRIN IN FILT. FRAC. (UG/L) (39381)	DI- ELDRIN IN SUSP. FRAC. (UG/L) (39382)	ENDRIN IN FILT. FRAC. (UG/L) (39391)
MAY 19...	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00
JUNE 12...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	ENDRIN IN SUSP. FRAC. (UG/L) (39392)	HEPTA- CHLOR IN FILT. FRAC. (UG/L) (39411)	HEPTA- CHLOR IN SUSP. FRAC. (UG/L) (39412)	HEPTA- CHLOR EPOXIDE IN FILT. FRAC. (UG/L) (39421)	HEPTA- CHLOR EPOXIDE IN SUSP. FRAC. (UG/L) (39422)	LINDANE IN FILT. FRAC. (UG/L) (39341)	LINDANE IN SUSP. FRAC. (UG/L) (39342)	MALA- THION IN FILT. FRAC. (UG/L) (39532)	MALA- THION IN SUSP. FRAC. (UG/L) (39533)	METHYL PARA- THION IN FILT. FRAC. (UG/L) (39602)	METHYL PARA- THION IN SUSP. FRAC. (UG/L) (39603)
MAY 19...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUNE 12...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	PARA- THION IN FILT. FRAC. (UG/L) (39542)	PARA- THION IN SUSP. FRAC. (UG/L) (39543)	PCB IN FILT. FRAC. (UG/L) (39517)	PCB IN SUSP. FRAC. (UG/L) (39518)	2,4-D IN FILT. FRAC. (UG/L) (39732)	2,4-D IN SUSP. FRAC. (UG/L) (39733)	2,4,5-T IN FILT. FRAC. (UG/L) (39742)	2,4,5-T IN SUSP. FRAC. (UG/L) (39743)	SILMEX IN FILT. FRAC. (UG/L) (39762)	SILVEX IN SUSP. FRAC. (UG/L) (39763)
MAY 19...	.00	.00	.0	.0	.06	.00	.00	.00	.00	.00
JUNE 12...	.00	.00	.0	.0	.02	.00	.00	.00	.00	.00

PLATTE RIVER BASIN

06796000 PLATTE RIVER AT NORTH BEND, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	SUS- PENDE D ARSENIC (AS) (UG/L) (01001)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)	DIS- SOLVED BORON (B) (UG/L) (01020)	SUS- PENDE D CAD- MIUM (CD) (UG/L) (01026)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	SUS- PENDE D CHRO- MIUM (CR) (UG/L) (01031)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	SUS- PENDE D COPPER (CU) (UG/L) (01041)	DIS- SOLVED COPPER (CU) (UG/L) (01040)	SUS- PENDE D LEAD (PB) (UG/L) (01050)	DIS- SOLVED LEAD (PB) (UG/L) (01049)
OCT.											
11...	--	--	0	--	--	--	--	--	--	--	--
NOV.											
20...	--	--	50	--	--	--	--	--	--	--	--
DEC.											
12...	--	--	70	--	--	--	--	--	--	--	--
JAN.											
02...	--	--	80	--	--	--	--	--	--	--	--
FEB.											
14...	--	--	80	--	--	--	--	--	--	--	--
MAR.											
07...	--	--	50	--	--	--	--	--	--	--	--
MAY											
02...	--	--	110	--	--	--	--	--	--	--	--
19...	2	2	160	<10	2	0	0	20	40	<100	1
JUNE											
12...	5	5	70	0	2	0	0	10	40	100	3
JULY											
18...	--	--	120	--	--	--	--	--	--	--	--
AUG.											
08...	--	--	100	--	--	--	--	--	--	--	--
21...	--	--	160	--	--	--	--	--	--	--	--
SEP.											
13...	--	--	50	--	--	--	--	--	--	--	--

DATE	SUS- PENDE D MERCURY (HG) (UG/L) (71895)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	SUS- PENDE D SELE- NIUM (SE) (UG/L) (01146)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)	DIS- SOLVED SILVER (AG) (UG/L) (01075)	SUS- PENDE D ZINC (ZN) (UG/L) (01091)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)	ALDRIN IN FILT. FRAC. (UG/L) (39331)	ALDRIN IN SUSP. FRAC. (UG/L) (39332)	CHLOR- DANE IN FILT. FRAC. (UG/L) (39352)	CHLOR- DANE IN SUSP. FRAC. (UG/L) (39353)
OCT.											
11...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
20...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
12...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
02...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
14...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
07...	--	--	--	--	--	--	--	--	--	--	--
MAY											
02...	--	--	--	--	--	--	--	--	--	--	--
19...	.0	.0	0	5	0	20	40	.00	.00	.0	.0
JUNE											
12...	.1	.2	0	6	0	120	20	.00	.00	.0	.0
JULY											
18...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
08...	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
13...	--	--	--	--	--	--	--	--	--	--	--

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
MAY								
02...	1415	5880	7.8	10.5	40	10.6	730	730
19...	1130	17000	7.4	20.0	--	7.9	1900	610
JUNE								
12...	1115	18300	7.8	--	--	--	--	--
JULY								
18...	1345	840	7.9	26.5	20	9.0	80	124
AUG.								
08...	1340	983	7.9	26.5	40	9.9	250	200
SEP.								
13...	1700	5000	8.0	17.5	65	9.3	670	1100

PLATTE RIVER BASIN

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06796000 PLATTE RIVER AT NORTH BEND, NEBR.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	364	337	566	384	394	471	445	548	567	747	590	688
2	485	336	645	325	432	450	395	535	636	751	624	626
3	351	322	642	333	428	472	445	450	637	707	523	634
4	407	340	641	330	415	472	496	463	639	664	557	540
5	391	341	644	326	456	470	523	705	563	640	568	533
6	397	341	645	330	423	468	526	590	554	631	697	528
7	507	364	641	330	416	437	540	593	637	638	697	635
8	432	317	640	351	430	429	583	592	674	728	694	533
9	428	317	642	339	423	436	577	595	750	568	704	669
10	480	320	644	340	417	376	512	581	778	568	690	689
11	363	357	644	323	405	490	538	590	719	696	607	686
12	343	360	644	327	414	445	569	651	722	665	618	516
13	414	312	646	328	436	450	619	751	685	598	614	490
14	408	315	645	331	571	445	597	683	685	697	455	569
15	489	314	645	339	558	424	599	690	749	669	464	469
16	411	375	648	334	407	407	451	705	760	732	378	464
17	401	348	648	332	411	421	459	643	769	732	380	478
18	390	418	447	325	563	445	451	732	751	619	422	521
19	431	419	448	328	588	489	496	717	747	693	440	525
20	406	390	451	338	588	487	508	723	725	365	534	574
21	434	390	446	361	588	489	504	717	714	364	544	538
22	379	395	447	332	588	514	503	708	751	368	548	594
23	363	438	447	406	425	504	503	744	732	297	638	569
24	348	432	446	410	423	454	535	713	716	331	435	519
25	378	374	445	408	424	399	633	711	790	350	618	556
26	348	404	389	436	424	401	533	585	788	372	551	556
27	360	405	393	433	422	400	626	328	705	334	676	567
28	365	397	392	431	466	474	580	320	706	384	677	556
29	355	478	394	434	---	477	537	448	712	503	692	325
30	352	591	396	433	---	489	540	449	712	585	671	328
31	299	---	390	435	---	442	---	567	---	591	672	---
MONTH	396	375	542	362	462	452	527	607	702	567	580	549

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.0	6.0	3.0	0.0	0.0	0.0	8.0	12.0	16.0	24.0	22.0	22.0
2	15.0	5.0	3.0	0.0	0.0	0.0	8.0	9.0	20.0	24.0	22.0	23.0
3	17.0	5.0	3.0	0.0	0.0	0.0	6.0	7.0	20.0	24.0	23.0	23.0
4	17.0	6.0	1.0	0.0	0.0	0.0	6.0	9.0	22.0	26.0	24.0	23.0
5	16.0	8.0	1.0	0.0	0.0	0.0	8.0	10.0	19.0	26.0	24.0	22.0
6	13.0	9.0	1.0	0.0	0.0	0.0	8.0	10.0	18.0	25.0	24.0	22.0
7	10.0	2.0	0.0	0.0	0.0	0.0	8.0	10.0	19.0	26.0	24.0	22.0
8	8.0	2.0	0.0	0.0	0.0	0.0	5.0	12.0	22.0	26.0	24.0	22.0
9	10.0	2.0	0.0	0.0	0.0	0.0	3.0	12.0	23.0	26.0	24.0	22.0
10	13.0	1.0	0.0	0.0	0.0	6.0	1.0	15.0	23.0	26.0	24.0	22.0
11	14.0	1.0	0.0	0.0	0.0	7.0	1.0	16.0	24.0	26.0	24.0	22.0
12	11.0	1.0	0.0	0.0	0.0	8.0	3.0	16.0	24.0	26.0	24.0	22.0
13	11.0	1.0	0.0	0.0	0.0	8.0	3.0	16.0	24.0	26.0	24.0	20.0
14	13.0	1.0	0.0	0.0	0.0	6.0	4.0	16.0	24.0	25.0	24.0	20.0
15	9.0	1.0	0.0	0.0	0.0	6.0	3.0	14.0	25.0	24.0	24.0	18.0
16	9.0	1.0	0.0	0.0	0.0	5.0	3.0	14.0	24.0	22.0	24.0	18.0
17	9.0	2.0	0.0	0.0	0.0	5.0	4.0	16.0	24.0	22.0	24.0	14.0
18	5.0	1.0	0.0	0.0	0.0	6.0	4.0	16.0	24.0	23.0	24.0	12.0
19	3.0	1.0	0.0	0.0	0.0	6.0	4.0	16.0	20.0	25.0	24.0	12.0
20	4.0	1.0	0.0	0.0	0.0	5.0	4.0	18.0	19.0	24.0	24.0	14.0
21	7.0	1.0	0.0	0.0	0.0	5.0	4.0	20.0	19.0	24.0	25.0	16.0
22	9.0	2.0	0.0	0.0	0.0	5.0	4.0	18.0	20.0	20.0	25.0	16.0
23	6.0	3.0	0.0	0.0	0.0	5.0	4.0	20.0	22.0	20.0	24.0	16.0
24	0.0	2.0	0.0	0.0	0.0	5.0	10.0	20.0	22.0	22.0	24.0	15.0
25	11.0	3.0	0.0	0.0	0.0	5.0	10.0	19.0	20.0	22.0	24.0	15.0
26	11.0	2.0	0.0	0.0	0.0	5.0	10.0	19.0	22.0	22.0	24.0	16.0
27	10.0	2.0	0.0	0.0	0.0	8.0	10.0	19.0	22.0	22.0	24.0	16.0
28	8.0	1.0	0.0	0.0	0.0	8.0	10.0	18.0	22.0	24.0	24.0	16.0
29	8.0	1.0	0.0	0.0	---	6.0	14.0	18.0	24.0	24.0	24.0	15.0
30	9.0	1.0	0.0	0.0	---	7.0	16.0	15.0	22.0	25.0	24.0	16.0
31	3.0	---	0.0	0.0	---	7.0	---	16.0	---	26.0	24.0	---
MONTH	10.0	2.5	0.5	0.0	0.0	4.5	6.0	15.0	21.5	24.0	24.0	18.5

PLATTE RIVER BASIN

06796000 PLATTE RIVER AT NORTH BEND, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	DIS- CHARGE (CFS) (00060)	SUS- PENDE SEDI- MENT (MG/L) (80154)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN (70337)	SUS. SED. FALL DIAM. % FINER THAN (70338)
MAY 19...	1130	20.0	17000	986	45300	20	22
JUNE 12...	1115	23.5	13800	428	15900	--	--

DATE	SUS. SED. FALL DIAM. % FINER THAN (70340)	SUS. SED. FALL DIAM. % FINER THAN (70342)	SUS. SED. FALL DIAM. % FINER THAN (70343)	SUS. SED. FALL DIAM. % FINER THAN (70344)	SUS. SED. FALL DIAM. % FINER THAN (70345)	SUS. SED. FALL DIAM. % FINER THAN (70346)
MAY 19...	25	54	69	90	97	100
JUNE 12...	--	34	42	66	81	100

DATE	TIME	NUMBER OF SAM- PLING POINTS (00063)	DIS- CHARGE (CFS) (00060)	BED MAT. FALL DIAM. % FINER THAN (80158)	BED MAT. FALL DIAM. % FINER THAN (80159)	BED MAT. FALL DIAM. % FINER THAN (80160)	BED MAT. FALL DIAM. % FINER THAN (80161)	BED MAT. FALL DIAM. % FINER THAN (80162)	BED MAT. FALL DIAM. % FINER THAN (80169)	BED MAT. FALL DIAM. % FINER THAN (80170)	BED MAT. FALL DIAM. % FINER THAN (80171)	BED MAT. FALL DIAM. % FINER THAN (80172)
MAY 19...	1130	5	17000	0	1	19	47	73	86	95	100	--
JUNE 12...	1115	3	13800	--	0	17	60	87	93	97	99	100

PLATTE RIVER BASIN

95

06799450 LOGAN CREEK AT PENDER, NEBR.

LOCATION.--Lat 42°06'40", long 96°42'00", in NW¼ sec.26, T.25 N., R.6 E., Thurston County, at gaging station at bridge on State Highway 94 at Pender.

DRAINAGE AREA.--731 mi² (1,890 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: January 1964 to September 1968, May 1973 to September 1973.

WATER QUALITY DATA, MAY 1973 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL- NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)	DIS- SOLVED SOLIDS (TOWNS PER DAY) (70302)	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)
MAY												
02...	150	6.5	1.9	.39	.32	.71	.31	.15	520	211	794	3.5
31...	150	7.9	2.9	.33	1.8	2.1	.57	.26	595	241	870	3.8
JUNE												
22...	126	7.2	2.5	.05	1.5	1.5	.48	.26	568	193	817	2.5
JULY												
18...	80	8.0	.76	.12	.45	.57	.32	.16	527	114	769	2.0
AUG.												
08...	67	7.8	.58	.15	.33	.48	.32	.20	504	91.2	750	1.2
SEP.												
14...	66	8.3	1.2	.08	.25	.33	.40	.24	502	89.5	772	1.7

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
MAY								
02...	1120	150	7.9	7.0	35	11.0	3000	11990
31...	1145	150	7.6	20.0	95	7.4	17990	4500
JUNE								
22...	1115	126	7.8	21.0	90	8.3	4200	1300
JULY								
18...	1115	80	8.1	25.0	20	8.2	666	220
AUG.								
08...	1130	67	7.9	25.0	15	8.9	1100	120
SEP.								
14...	1100	66	7.8	15.0	20	10.4	320	370

PLATTE RIVER BASIN

06800500 ELKHORN RIVER AT WATERLOO, NEBR.

LOCATION.--Lat 41°17'25", long 96°17'05", in SW¼ sec.3, T.15 N., R.10 E., Douglas County, at gaging station at bridge at north edge of Waterloo, 3.5 mi (5.6 km) downstream from Rawhide Creek.

DRAINAGE AREA.--6,900 mi² (17,900 km²), approximately, of which about 5,900 mi² (15,300 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: October 1966 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SI02) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LIMITY AS CaCO3 (MG/L) (00410)
OCT. 24...	679	26	20	20	66	15	20	9.5	264	0	217
NOV. 27...	898	29	40	50	--	--	--	--	--	--	239
JAN. 26...	1360	19	90	90	43	9.5	13	16	186	0	153
FEB. 23...	2670	18	110	250	43	9.8	13	12	186	0	153
MAR. 12...	4030	20	80	60	62	14	19	12	262	0	215
APR. 13...	1790	26	50	70	75	17	24	8.9	298	0	244
MAY 28...	7440	17	50	20	45	10	15	14	188	0	154
JUNE 21...	2000	20	20	0	55	13	20	9.6	216	0	177
JULY 17...	560	25	--	--	58	17	26	7.5	253	0	208
AUG. 07...	485	24	10	20	72	17	27	7.6	279	0	229
SEP. 13...	460	24	70	80	67	16	27	7.7	272	0	223

DATE	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L) (00608)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L) (00607)	TOTAL KJEL- DAHL- NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOLVED KJEL- NITRO- GEN (N) (MG/L) (00623)
OCT. 24...	51	13	.6	1.4	--	--	--	--	--	--	--
NOV. 27...	--	--	--	--	--	--	--	--	--	--	--
JAN. 26...	30	9.8	.4	1.3	--	--	--	--	--	--	--
FEB. 23...	28	6.7	.4	1.2	--	--	--	--	--	--	--
MAR. 12...	42	9.2	.5	1.5	--	--	--	--	--	--	--
APR. 13...	55	8.8	.5	1.8	.17	--	1.2	--	1.4	.55	--
MAY 28...	36	11	.5	2.1	--	.88	--	2.0	13	2.1	2.9
JUNE 21...	41	8.8	.5	2.3	.26	--	5.8	--	6.1	1.4	--
JULY 17...	63	13	.3	.01	.52	--	1.9	--	2.4	.51	--
AUG. 07...	60	14	.5	.00	.67	--	1.2	--	1.9	.61	--
SEP. 13...	58	17	.3	.18	.34	--	1.5	--	1.8	.62	--

06800500 ELKHORN RIVER AT WATERLOO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- SOL- VED- PHOS- (P) (MG/L) (00666)	DIS- SOLVED (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED (TONS PER (TONS DAY) (70303)	DIS- SOLVED (TONS PER (TONS DAY) (70302)	HARD- NESS (CA, MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)
OCT. 24...	.51	337	.46	618	230	10	.6	533	7.9	30	--
NOV. 27...	.51	361	.49	875	260	19	.6	571	7.5	10	--
JAN. 26...	.27	238	.32	874	150	0	.5	388	7.5	90	--
FEB. 23...	.50	228	.31	1640	150	0	.5	371	7.2	80	--
MAR. 12...	.36	315	.43	3430	210	0	.6	510	7.9	40	--
APR. 13...	.27	370	.50	1790	260	13	.7	580	8.0	30	3.3
MAY 28...	.43	251	.34	5040	150	0	.5	401	7.2	300	5.0
JUNE 21...	.33	285	.39	1540	190	14	.6	462	7.6	30	2.2
JULY 17...	.20	335	.46	507	210	7	.8	556	8.0	30	>7.8
AUG. 07...	.39	360	.49	471	250	21	.7	574	7.7	10	1.0
SEP. 13...	.38	352	.48	437	230	10	.8	540	8.1	8	5.3

DATE	DDO IN FILT. FRAC. (UG/L) (39361)	DDO IN SUSP. FRAC. (UG/L) (39362)	DDO IN BOTTOM DE- POSITS (UG/KG) (39363)	DDO IN FILT. FRAC. (UG/L) (39366)	DDO IN SUSP. FRAC. (UG/L) (39367)	DDO IN BOTTOM DE- POSITS (UG/KG) (39368)	DDT IN FILT. FRAC. (UG/L) (39371)	DDT IN SUSP. FRAC. (UG/L) (39372)	DDT IN BOTTOM DE- POSITS (UG/KG) (39373)	DI- AZINON IN FILT. FRAC. (UG/L) (39572)	DI- AZINON IN SUSP. FRAC. (UG/L) (39573)
OCT. 24...	.00	.00	--	.00	.00	--	.00	.00	--	.00	.00
APR. 13...	.00	.00	--	.00	.00	--	.00	.00	--	.00	.00
MAY 28...	.00	.00	.0	.00	.00	.0	.00	.00	.0	.03	.05

DATE	DI- ELDRIN IN FILT. FRAC. (UG/L) (39381)	DI- ELDRIN IN SUSP. FRAC. (UG/L) (39382)	DI- ELDRIN IN BOTTOM DE- POSITS (UG/KG) (39383)	ENDRIN IN FILT. FRAC. (UG/L) (39391)	ENDRIN IN SUSP. FRAC. (UG/L) (39392)	ENDRIN IN BOTTOM DE- POSITS (UG/KG) (39393)	HEPTA- CHLOR IN FILT. FRAC. (UG/L) (39411)	HEPTA- CHLOR IN SUSP. FRAC. (UG/L) (39412)	HEPTA- CHLOR IN BOTTOM DE- POSITS (UG/KG) (39413)	HEPTA- CHLOR EPOXIDE IN FILT. FRAC. (UG/L) (39421)
OCT. 24...	.01	.00	--	.00	.00	--	.00	.00	--	.00
APR. 13...	.00	.00	--	.00	.00	--	.00	.00	--	.00
MAY 28...	.01	.05	.0	.00	.00	.0	.00	.00	.0	.00

DATE	HEPTA- CHLOR EPOXIDE IN SUSP. FRAC. (UG/L) (39422)	HEPTA- CHLOR EPOXIDE IN BOT- TOM DE- POSITS (UG/KG) (39423)	LINDANE IN FILT. FRAC. (UG/L) (39341)	LINDANE IN SUSP. FRAC. (UG/L) (39342)	LINDANE IN BOTTOM DE- POSITS (UG/KG) (39343)	MALA- THION IN FILT. FRAC. (UG/L) (39532)	MALA- THION IN SUSP. FRAC. (UG/L) (39533)	METHYL PARA- THION IN FILT. FRAC. (UG/L) (39602)	METHYL PARA- THION IN SUSP. FRAC. (UG/L) (39603)	PARA- THION IN FILT. FRAC. (UG/L) (39542)
OCT. 24...	.00	--	.00	.00	--	.00	.00	.00	.00	.00
APR. 13...	.00	--	.00	--	--	.00	.00	.00	.00	.00
MAY 28...	.00	.0	.00	.00	.0	.00	.00	.00	.00	.00

DATE	PARA- THION IN SUSP. FRAC. (UG/L) (39543)	PCB IN FILT. FRAC. (UG/L) (39517)	PCB IN SUSP. FRAC. (UG/L) (39518)	PCB IN BOTTOM DE- POSITS (UG/KG) (39519)	2,4-D IN FILT. FRAC. (UG/L) (39732)	2,4-D IN SUSP. FRAC. (UG/L) (39733)	2,4,5-T IN FILT. FRAC. (UG/L) (39742)	2,4,5-T IN SUSP. FRAC. (UG/L) (39743)	SILVEX IN FILT. FRAC. (UG/L) (39762)	SILVEX IN SUSP. FRAC. (UG/L) (39763)
OCT. 24...	.00	.0	.0	--	.04	.00	.00	.00	.00	.00
APR. 13...	.00	.0	.0	--	.00	.00	.00	.00	.00	.00
MAY 28...	.00	.0	.0	0	.58	.00	.02	.00	.00	.00

PLATTE RIVER BASIN

06800500 ELKHORN RIVER AT WATERLOO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	SUS- PENDE D ARSENIC (AS) (UG/L) (01001)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)	DIS- SOLVED BORON (B) (UG/L) (01020)	SUS- PENDE D CAD- MIUM (CD) (UG/L) (01026)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	SUS- PENDE D CHRO- MIUM (CR) (UG/L) (01031)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	SUS- PENDE D COPPER (CU) (UG/L) (01041)	DIS- SOLVED COPPER (CU) (UG/L) (01040)	SUS- PENDE D LEAD (PB) (UG/L) (01050)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	SUS- PENDE D MERCURY (HG) (UG/L) (71895)
OCT.												
24...	--	--	80	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
27...	--	--	50	--	--	--	--	--	--	--	--	--
JAN.												
26...	--	--	100	--	--	--	--	--	--	--	--	--
FEB.												
23...	--	--	70	--	--	--	--	--	--	--	--	--
MAR.												
12...	--	--	60	--	--	--	--	--	--	--	--	--
APR.												
13...	--	--	80	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
28...	44	8	100	<10	7	80	0	280	40	99	1	.6
JUNE												
21...	--	--	80	--	--	--	--	--	--	--	--	--
JULY												
17...	--	--	140	--	--	--	--	--	--	--	--	--
AUG.												
07...	--	--	90	--	--	--	--	--	--	--	--	--
SEP.												
13...	--	--	60	--	--	--	--	--	--	--	--	--

DATE	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	SUS- PENDE D SELE- NIUM (SE) (UG/L) (01146)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)	DIS- SOLVED SILVER (AG) (UG/L) (01075)	SUS- PENDE D ZINC (ZN) (UG/L) (01091)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)	ALDRIN IN FILT. FRAC. (UG/L) (39331)	ALDRIN IN SUSP. FRAC. (UG/L) (39332)	ALDRIN IN BOTTOM DE- POSITS (UG/L) (39333)	CHLOR- DANE IN FILT. FRAC. (UG/L) (39352)	CHLOR- DANE IN SUSP. FRAC. (UG/L) (39353)	CHLOR- DANE IN BOTTOM DE- POSITS (UG/L) (39351)
OCT.												
24...	--	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	.00	.00	--	.0	.0	--
NOV.												
27...	--	--	--	--	--	--	--	--	--	--	--	--
JAN.												
26...	--	--	--	--	--	--	--	--	--	--	--	--
FEB.												
23...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
12...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
13...	--	--	--	--	--	--	.00	.00	--	.0	.0	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
28...	.2	0	14	0	430	40	.00	.00	.0	.0	.0	0
JUNE												
21...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
17...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
07...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
13...	--	--	--	--	--	--	--	--	--	--	--	--

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL- COLI- FORM (COL. ONIES PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
APR.								
13...	1315	1790	7.9	11.0	65	8.6	11990	7200
MAY								
28...	1100	7440	7.3	15.0	1100	5.1	>39990	>39990
JUNE								
21...	1620	2000	7.5	24.0	--	6.9	55990	32990
JULY								
17...	1700	560	8.3	27.5	25	14.0	240000	1800
AUG.								
07...	1630	485	8.3	30.5	25	7.5	78000	12800
SEP.								
13...	1600	460	8.0	19.0	30	9.5	100000	50000

PLATTE RIVER BASIN

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06800500 ELKHORN RIVER AT WATERLOO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	DIS- CHARGE (CFS) (00060)	SUS- PENDE SEDI- MENT (MG/L) (80154)	SUS- PENDE SEDI- MENT (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN ,002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN ,004 MM (70338)
OCT. 24...	1345	6.0	679	194	356	--	--
APR. 13...	1410	11.0	1790	732	3540	--	--
MAY 28...	1100	15.0	7440	6960	140000	14	22

DATE	SUS. SED. FALL DIAM. % FINER THAN (70340)	SUS. SED. FALL DIAM. % FINER THAN (70342)	SUS. SED. FALL DIAM. % FINER THAN (70343)	SUS. SED. FALL DIAM. % FINER THAN (70344)	SUS. SED. FALL DIAM. % FINER THAN (70345)	SUS. SED. FALL DIAM. % FINER THAN (70346)
OCT. 24...	--	63	67	86	97	100
APR. 13...	--	68	80	95	100	--
MAY 28...	38	85	92	98	100	--

DATE	TIME	NUMBER OF SAM- PLING POINTS (00063)	DIS- CHARGE (CFS) (00060)	BED MAT. FALL DIAM. % FINER THAN ,052 MM (80158)	BED MAT. FALL DIAM. % FINER THAN ,125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN ,250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN ,500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
MAY 28...	1100	3	7440	0	3	44	83	91	95	97	99	100

PLATTE RIVER BASIN

06803080 SALT CREEK ABOVE BEAL SLOUGH, AT LINCOLN, NEBR.

LOCATION.--Lat 40°46'13", Long 96°43'05", in SW¼SW¼ sec.2, T.9 N., R.6 E., Lancaster County, at county road bridge 0.9 mi (1.4 km) west of U.S. Highway 77 and of northeast corner of State Penitentiary at Lincoln.

DRAINAGE AREA.--221 mi² (572 km²).

PERIOD OF RECORD.--Chemical analyses: March 1971 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SiO ₂) (MG/L) (00955)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO ₃) (MG/L) (00440)	CAR- BONATE (CO ₃) (MG/L) (00445)	ALKA- LITY AS CaCO ₃ (MG/L) (00410)	DIS- SOLVED SULFATE (SO ₄) (MG/L) (00945)
OCT. 18...	4.2	--	--	--	--	--	--	--	--	--
NOV. 15...	80	--	--	--	--	--	--	--	--	--
DEC. 21...	20	26	100	25	170	6.4	302	0	248	160
JAN. 16...	138	--	--	--	--	--	--	--	--	--
FEB. 15...	101	--	--	--	--	--	--	--	--	--
MAR. 27...	447	12	47	12	28	8.3	181	0	148	54
APR. 17...	354	--	--	--	--	--	--	--	--	--
MAY 09...	491	12	46	12	25	7.7	173	0	142	49
JUNE 19...	22	--	--	--	--	--	--	--	--	--
JULY 11...	14	--	--	--	--	--	--	--	--	--
AUG. 14...	11	--	--	--	--	--	--	--	--	--
SEP. 11...	12	19	92	23	180	9.1	286	0	235	140

DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L) (00608)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)
OCT. 18...	300	--	.01	--	.09	.19	.28	.29	.18	1060
NOV. 15...	37	--	1.5	--	.41	2.5	2.9	1.1	.61	310
DEC. 21...	220	.4	.79	.12	.12	.17	.29	.29	.28	1000
JAN. 16...	48	--	1.1	.64	.64	1.4	2.0	.65	.46	280
FEB. 15...	61	--	1.3	.41	--	1.2	1.6	.39	.28	468
MAR. 27...	15	.4	1.6	1.1	--	1.3	2.4	.62	.14	307
APR. 17...	21	--	1.9	.44	--	2.1	2.5	.58	.21	321
MAY 09...	14	.4	1.7	.19	--	2.1	2.3	.57	.14	291
JUNE 19...	86	--	1.7	.20	--	.70	.90	.37	.24	602
JULY 11...	180	--	.53	.16	--	.66	.82	.32	.23	764
AUG. 14...	220	--	.06	.24	--	.86	1.1	.35	.27	839
SEP. 11...	240	.3	.77	.12	--	.78	.90	.41	.28	840

06803080 SALT CREEK ABOVE BEAL SLOUGH, AT LINCOLN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA+MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)	DIS- SOLVED BORON (B) (MG/L) (01020)
OCT. 18...	--	1.44	12.0	--	--	--	1700	--	2.1	--
NOV. 15...	--	.42	67.0	--	--	--	474	--	6.6	--
DEC. 21...	860	1.36	54.0	350	100	3.9	1500	7	2.5	130
JAN. 16...	--	.38	104	--	--	--	435	--	6.8	--
FEB. 15...	--	.64	128	--	--	--	698	--	4.9	--
MAR. 27...	273	.42	371	170	18	.9	462	100	3.5	10
APR. 17...	--	.44	307	--	--	--	486	--	4.6	--
MAY 09...	259	.40	386	160	22	.8	432	90	5.6	70
JUNE 19...	--	.82	35.8	--	--	--	938	--	1.6	--
JULY 11...	--	1.04	28.9	--	--	--	1260	--	2.2	--
AUG. 14...	--	1.14	24.9	--	--	--	1370	--	1.7	--
SEP. 11...	848	1.14	27.2	320	90	4.4	1450	7	3.3	120

DATE	ALDRIN (UG/L) (39330)	CHLOR- DANE (UG/L) (39350)	DDD (UG/L) (39360)	DDE (UG/L) (39365)	DDT (UG/L) (39370)	DI- AZINON (UG/L) (39570)	DI- ELDRIN (UG/L) (39380)	ENDRIN (UG/L) (39390)	HEPTA- CHLOR (UG/L) (39410)
FEB. 15...	.00	.0	.00	.00	.00	.00	.00	.00	.00
JUNE 19...	.00	.0	.00	.00	.00	.01	.00	.00	.00
JULY 11...	.00	.0	.00	.00	.00	.01	.00	.00	.00

DATE	HEPTA- CHLOR EPOXIDE (UG/L) (39420)	LINDANE (UG/L) (39340)	MALA- THION (UG/L) (39530)	METHYL PARA- THION (UG/L) (39600)	PARA- THION (UG/L) (39540)	PCB (UG/L) (39516)	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVER (UG/L) (39760)
FEB. 15...	.00	.00	.00	.00	.00	.0	.13	.02	.00
JUNE 19...	.00	.01	.00	.30	.00	.0	.06	.01	.00
JULY 11...	.00	.01	.00	.00	.00	.0	.45	.00	.00

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
OCT. 18...	0700	4.2	7.8	6.0	15	9.2	67	170
NOV. 15...	1030	80	7.3	1.5	220	11.6	47990	99990
DEC. 21...	1130	20	7.8	.5	10	11.6	100	400
JAN. 16...	0920	138	7.4	1.5	75	11.9	5700	82990
FEB. 15...	1315	101	7.5	.5	40	12.7	400	10990
MAR. 27...	1350	447	7.4	10.0	210	9.5	790	3600
APR. 17...	1315	354	7.5	12.5	190	9.1	8300	7000
MAY 09...	0940	491	7.6	15.0	240	7.7	25990	16990
JUNE 19...	0900	22	7.6	20.0	30	7.1	370	610
JULY 11...	0915	14	7.6	26.5	35	6.7	370	600
AUG. 14...	0910	11	7.6	22.0	25	6.9	190	280
SEP. 11...	1015	12	--	20.0	45	7.7	400	1200

PLATTE RIVER BASIN

06803500 SALT CREEK AT LINCOLN, NEBR.

LOCATION.--Lat 40°50'49", long 96°40'54", in NW¼SW¼ sec.7, T.10 N., R.7 E., Lancaster County, at gaging station at bridge on North 27th Street at north edge of Lincoln, 1 mi (1.6 km) downstream from Oak Creek.

DRAINAGE AREA.--684 mi² (1,771 km²).

PERIOD OF RECORD.--Chemical analyses: October 1968 to September 1973.

Water temperatures: May to September 1951, October 1968 to September 1973.

Sediment records: March to September 1951, March 1952 to September 1954.

EXTREMES.--1972-73:

Specific conductance: Maximum daily, 37,500 micromhos Oct. 3; minimum daily, 431 micromhos Mar 31.

Water temperatures: Maximum, 33.5°C July 8, 9; minimum, freezing several days December to February.

Period of record:

Specific conductance: Maximum daily, 37,500 micromhos Oct. 3, 1973; minimum daily, 326 micromhos Mar. 18, 1969.

Water temperatures (1968-73): Maximum, 36°C July 12, 1969; minimum, freezing point on several days during winter period.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SiO ₂) (MG/L) (00955)	DIS- SOLVED ALUM- INUM (AL) (UG/L) (01106)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO ₃) (MG/L) (00440)	CAR- BONATE (CO ₃) (MG/L) (00445)	ALKA- LINITY AS CaCO ₃ (MG/L) (00410)
OCT.												
18...	63	--	--	--	--	--	--	--	--	--	--	--
NOV.												
15...	245	--	--	--	--	--	--	--	--	--	--	--
DEC.												
15...	76	31	--	--	--	100	29	1100	15	414	0	340
JAN.												
17...	1340	--	--	--	--	--	--	--	--	--	--	--
FEB.												
14...	211	--	--	--	--	--	--	--	--	--	--	--
MAR.												
26...	1990	11	120	70	190	41	10	54	8.4	161	0	132
APR.												
01...	5100	--	--	--	--	--	--	--	--	--	--	--
MAY												
09...	900	--	--	--	--	--	--	--	--	--	--	--
JUNE												
19...	179	27	--	--	--	88	26	660	6.2	362	0	297
JULY												
11...	140	--	--	--	--	--	--	--	--	--	--	--
AUG.												
14...	109	--	--	--	--	--	--	--	--	--	--	--
SEP.												
11...	117	30	10	50	160	95	26	970	20	374	0	307

DATE	DIS- SOLVED SULFATE (SO ₄) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRATE (N) (MG/L) (00618)	DIS- SOLVED NITRITE (N) (MG/L) (00613)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L) (00608)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KUEL- DNHJ- NITRO- GEN (N) (MG/L) (00625)
OCT.											
18...	--	910	--	--	--	--	1.5	--	13	2.0	15
NOV.											
15...	--	430	--	--	--	--	1.3	--	1.0	1.7	2.7
DEC.											
15...	280	1500	1.0	--	--	--	.61	11	11	2.0	13
JAN.											
17...	--	84	--	--	--	--	1.1	1.5	1.5	3.0	4.5
FEB.											
14...	--	710	--	--	--	--	1.1	3.5	--	.90	4.4
MAR.											
26...	53	57	.4	1.7	.12	1.8	1.8	1.1	--	4.5	5.6
APR.											
01...	--	30	--	--	--	--	1.3	.30	--	6.2	6.5
MAY											
09...	--	120	--	--	--	--	1.5	1.2	--	2.4	3.6
JUNE											
19...	210	930	.9	--	--	--	1.5	4.3	--	1.7	6.0
JULY											
11...	--	1300	--	--	--	--	.89	6.7	--	4.3	11
AUG.											
14...	--	1300	--	--	--	--	.63	10	--	.00	10
SEP.											
11...	260	1300	1.1	1.3	.09	1.4	1.4	.04	--	1.4	1.4

PLATTE RIVER BASIN

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06803500 SALT CREEK AT LINCOLN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TOTAL NITRO- GEN (N) (MG/L) (006600)	TOTAL PHOS- PHORUS (P) (MG/L) (006665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (006666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)	DIS- SOLVED SOLIDS (SUM OF TUEENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA+MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)
OCT. 18...	--	--	6.7	2580	--	3.51	439	--	--	--	4380
NOV. 15...	--	1.1	.72	1080	--	1.47	714	--	--	--	1940
DEC. 15...	--	7.8	7.6	3520	3280	4.79	722	370	30	25	5570
JAN. 17...	--	1.5	.29	296	--	.40	1070	--	--	--	498
FEB. 14...	--	1.7	1.3	1850	--	2.52	1050	--	--	--	2950
MAR. 26...	7.4	1.3	.28	--	331	.45	1780	140	12	2.0	559
APR. 01...	--	1.4	.15	205	--	.28	2820	--	--	--	351
MAY 09...	--	.63	.23	515	--	.70	1250	--	--	--	885
JUNE 19...	--	2.8	2.5	2300	2130	3.13	1110	330	30	16	3460
JULY 11...	--	4.5	4.0	2830	--	3.85	1070	--	--	--	4620
AUG. 14...	--	7.0	5.6	2890	--	3.93	851	--	--	--	4220
SEP. 11...	2.8	5.2	4.3	--	2890	3.93	913	350	39	23	5140

DATE	COLOR (PLAT- INUM- COBALT UNITS) (000080)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)	CYANIDE (MG/L) (00720)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)	DIS- SOLVED BARIUM (BA) (UG/L) (01005)	DIS- SOLVED BERYL- LIUM (BE) (UG/L) (01010)	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L) (01032)	DIS- SOLVED COBALT (CO) (UG/L) (01035)
OCT. 18...	--	29	--	--	--	--	--	--	--	--	--
NOV. 15...	--	13	--	--	--	--	--	--	--	--	--
DEC. 15...	30	>22	--	--	--	--	--	560	--	--	--
JAN. 17...	--	12	--	--	--	--	--	--	--	--	--
FEB. 14...	--	15	--	--	--	--	--	--	--	--	--
MAR. 26...	200	8.6	.02	.0	7	300	0	110	1	0	2
APR. 01...	--	5.4	--	--	--	--	--	--	--	--	--
MAY 09...	--	11	--	--	--	--	--	--	--	--	--
JUNE 19...	20	12	--	--	--	--	--	290	--	--	--
JULY 11...	--	21	--	--	--	--	--	--	--	--	--
AUG. 14...	--	27	--	--	--	--	--	--	--	--	--
SEP. 11...	20	9.4	.04	--	6	0	0	430	2	0	1

PLATTE RIVER BASIN

06803500 SALT CREEK AT LINCOLN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	DIS- SOLVED LITHIUM (LI) (UG/L) (01130)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	DIS- SOLVED MOLYB- DENUM (MO) (UG/L) (01060)	DIS- SOLVED NICKEL (NI) (UG/L) (01065)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)	DIS- SOLVED SILVER (AG) (UG/L) (01075)	DIS- SOLVED STRON- TIUM (SR) (UG/L) (01080)	DIS- SOLVED VANAD- IUM (V) (UG/L) (01085)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
OCT. 18...	--	--	--	--	--	--	--	--	--	--	--
NOV. 15...	--	--	--	--	--	--	--	--	--	--	--
DEC. 15...	--	--	--	--	--	--	--	--	--	--	--
JAN. 17...	--	--	--	--	--	--	--	--	--	--	--
FEB. 14...	--	--	--	--	--	--	--	--	--	--	--
MAR. 26...	10	0	0	.1	2	18	1	1	190	2.5	30
APR. 01...	--	--	--	--	--	--	--	--	--	--	--
MAY 09...	--	--	--	--	--	--	--	--	--	--	--
JUNE 19...	--	--	--	--	--	--	--	--	--	--	--
JULY 11...	--	--	--	--	--	--	--	--	--	--	--
AUG. 14...	--	--	--	--	--	--	--	--	--	--	--
SEP. 11...	11	6	100	.0	4	17	12	0	960	6.7	30

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
OCT. 18...	1200	63	7.7	13.5	25	4.8	2199000	329900
NOV. 15...	1120	245	7.4	1.5	170	11.1	109900	339900
DEC. 15...	0930	76	6.9	3.5	20	6.8	599900	209900
JAN. 17...	1345	1340	7.5	3.5	250	10.4	81990	49990
FEB. 14...	1415	211	7.7	.5	50	11.3	3000	44990
MAR. 26...	1015	1990	7.4	7.5	340	9.4	57990	13990
APR. 01...	1015	5100	7.2	6.0	750	8.8	16990	109900
MAY 09...	1430	900	7.6	19.0	180	7.5	249900	75990
JUNE 19...	1230	179	7.4	23.0	20	7.8	349900	179900
JULY 11...	1415	140	7.5	31.0	15	7.4	479900	139900
AUG. 14...	1330	109	7.4	26.0	15	8.4	833000	235000
SEP. 11...	1330	117	7.3	22.5	20	6.5	460000	210000

PLATTE RIVER BASIN

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06803500 SALT CREEK AT LINCOLN, NEBR.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEC. C), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27100	3020	4630	1840	2380	2500	436	2270	1900	5400	4660	6910
2	8260	3580	4630	1530	2400	2180	775	2160	2090	4530	4800	7090
3	37500	4140	5490	1700	2410	2370	966	2410	1800	6320	4870	3460
4	35100	4690	5400	1770	2260	2050	1130	2720	1110	2750	5310	3220
5	8670	5790	5150	1870	1440	1790	1300	2520	1190	1460	6000	4130
6	16800	3520	5340	2040	1600	1900	1440	2570	1590	1660	5780	5150
7	8360	4720	5680	2620	2270	2070	1520	702	1750	2720	4180	5380
8	6360	5280	5830	3070	2840	2380	1570	565	2120	3600	5310	3470
9	7220	3350	5990	4860	2500	2420	1620	1000	2400	3900	4270	4550
10	7310	2100	5500	5090	2720	2270	1770	1280	2650	4070	5480	4660
11	7280	3280	6200	5050	2940	673	1870	1510	2810	4840	6320	5480
12	7030	4390	6150	5030	2960	1030	1950	1700	3010	4230	6150	5240
13	7350	1540	6110	5080	2400	1090	2080	1920	3090	5480	6200	4720
14	6970	1510	6060	4860	2750	954	2230	2030	3200	4510	6320	5400
15	6940	2270	5890	4500	2700	1340	1170	2200	3240	4840	6090	5560
16	7080	3070	5890	796	2820	1740	1060	2330	3750	4860	6120	5640
17	6620	3420	5990	5010	3170	2010	1520	2500	3790	5140	6180	5200
18	7950	3780	6100	5630	3300	2210	1830	2670	3380	5960	6010	5250
19	6570	3820	5860	1260	3160	2310	1530	2650	3910	4390	6490	5290
20	5060	3870	5720	1660	1870	2480	1410	2870	4080	801	6340	5800
21	6640	3920	5410	840	1120	2610	1750	2870	4540	1890	6130	5680
22	2160	3980	5240	1350	1460	2710	2110	2830	4680	2200	7130	5830
23	3790	4330	4670	2040	1530	2080	2250	3080	4570	3320	6390	6480
24	4340	4510	4620	2200	1350	598	2370	3230	5010	4180	7180	5820
25	5450	4000	4910	1890	1670	508	2400	3450	4740	2230	7300	5920
26	5420	3920	4630	1170	2360	707	2300	1120	4780	2690	7060	712
27	5830	3820	4050	700	2600	997	2430	634	4730	3410	6340	1010
28	5710	4400	3400	1510	2620	1240	2670	784	4960	3710	6360	432
29	6180	4630	1600	1910	---	1200	2680	1210	5430	4120	6450	614
30	4050	4680	725	1900	---	1350	2690	1500	4980	4340	6600	1070
31	3830	---	1270	2180	---	431	---	1680	---	4580	6670	---
MONTH	9190	3780	4970	2680	2340	1680	1760	2030	3380	3810	6020	4510

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.0	10.0	9.0	4.5	1.0	8.0	6.5	11.0	24.5	31.0	28.0	26.5
2	21.0	10.0	8.0	5.0	2.0	9.0	9.0	12.0	23.5	25.5	30.0	28.0
3	20.0	10.0	2.0	3.5	4.5	6.5	8.0	16.5	24.5	31.0	30.0	26.5
4	21.0	14.5	2.0	5.5	4.5	4.5	9.0	19.0	20.0	31.0	29.0	26.5
5	20.0	14.5	1.0	4.5	2.0	5.5	10.0	19.0	22.0	28.0	26.5	24.5
6	16.5	10.0	1.0	6.5	1.0	9.0	13.5	15.5	24.5	30.0	28.0	26.5
7	19.0	13.5	4.5	4.5	1.0	10.0	10.0	13.5	26.5	32.0	25.5	21.0
8	19.0	13.5	3.5	4.5	0.0	8.0	5.5	16.5	26.5	33.5	30.0	21.0
9	19.0	8.0	4.5	1.0	1.0	6.5	3.5	20.0	28.0	33.5	31.0	21.0
10	21.0	9.0	4.5	2.0	2.0	6.5	8.0	20.0	26.5	32.0	32.0	26.5
11	16.5	11.0	4.5	2.0	4.5	5.5	11.0	19.0	26.5	29.0	30.5	23.5
12	16.5	10.0	4.5	3.5	1.0	10.0	12.0	18.0	23.5	31.0	32.0	16.5
13	16.5	2.0	4.5	4.5	1.0	10.0	13.5	19.0	26.5	26.5	30.0	19.0
14	15.5	1.0	3.5	2.0	0.0	10.0	13.5	19.0	26.5	26.5	31.0	22.0
15	14.5	2.0	3.5	1.0	0.0	6.5	10.0	19.0	29.0	27.0	30.0	15.5
16	19.0	4.5	4.5	0.0	0.0	6.5	10.0	18.0	18.5	28.0	32.0	14.5
17	13.5	4.5	3.5	1.0	1.0	9.0	14.5	20.0	23.5	28.0	30.0	15.5
18	13.5	5.5	4.5	0.0	2.0	10.0	18.0	18.5	26.5	25.5	30.0	19.0
19	13.5	6.5	4.5	0.0	2.0	8.0	14.5	19.0	24.5	24.0	30.0	20.0
20	10.0	6.5	4.5	2.0	3.5	10.0	15.5	21.0	25.5	15.5	31.0	21.0
21	14.5	6.5	4.5	0.0	2.0	11.0	15.5	24.5	25.5	17.0	32.0	24.5
22	10.0	6.5	6.5	0.0	4.5	9.0	18.0	20.0	28.0	21.0	31.0	24.5
23	10.0	6.5	3.5	2.0	4.5	8.0	18.0	22.0	30.0	28.0	25.5	23.5
24	14.5	6.5	3.5	4.5	4.5	8.0	20.0	19.0	28.0	28.0	26.5	21.0
25	14.5	6.5	4.5	3.5	2.0	6.5	11.0	18.5	26.5	25.5	31.0	22.0
26	16.5	4.5	6.5	1.0	3.5	9.0	13.5	15.5	25.5	26.5	29.0	18.0
27	15.5	4.5	11.0	0.0	4.5	10.0	15.5	7.0	26.5	26.5	28.0	18.0
28	12.0	5.5	10.0	0.0	8.0	10.0	16.5	18.5	28.0	25.5	28.0	16.5
29	13.5	5.5	8.0	0.0	---	8.0	21.0	18.0	29.0	26.5	30.0	18.0
30	13.5	6.5	0.0	2.0	---	8.0	15.5	20.0	28.0	28.0	29.0	18.0
31	9.0	---	12.0	2.0	---	6.5	---	23.5	---	28.0	26.5	---
MONTH	16.0	7.5	5.0	2.5	2.5	8.0	12.5	18.0	25.5	27.5	29.5	21.5

06803525 SALT CREEK BELOW STEVENS CREEK NEAR WAVERLY, NEBR.

LOCATION.--Lat 40°54'18", long 96°35'09", in NW¼SW¼ sec.24, T.11 N., R.7 E., Lancaster County, at bridge 0.5 mi (0.8 km) north of Interstate Highway 80 and 3 mi (4.8 km) southwest of Waverly.

DRAINAGE AREA.--815 mi² (2,111 km²).

PERIOD OF RECORD.--Chemical analyses: March 1971 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SIO2) (MG/L) (00955)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LITY AS CACO3 (MG/L) (00410)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)
OCT. 18...	60	--	--	--	--	--	--	--	--	--
NOV. 20...	144	--	--	--	--	--	--	--	--	--
DEC. 22...	111	27	98	29	1000	12	391	0	321	290
JAN. 16...	876	--	--	--	--	--	--	--	--	--
FEB. 15...	199	--	--	--	--	--	--	--	--	--
MAR. 27...	1150	12	60	15	110	9.7	227	0	186	75
APR. 17...	970	--	--	--	--	--	--	--	--	--
MAY 09...	1300	12	51	14	100	9.1	206	0	169	63
JUNE 20...	173	--	--	--	--	--	--	--	--	--
JULY 11...	145	--	--	--	--	--	--	--	--	--
AUG. 14...	102	--	--	--	--	--	--	--	--	--
SEP. 12...	106	27	100	29	1200	16	349	0	286	300

DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L) (00608)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)
OCT. 18...	2100	--	.43	--	8.8	.90	9.7	--	5.6	4420
NOV. 20...	1000	--	1.4	--	.09	5.1	5.2	2.8	2.4	2320
DEC. 22...	1400	.8	.79	4.2	4.2	1.6	5.8	4.2	3.7	3480
JAN. 16...	220	--	1.2	1.2	1.2	3.2	4.4	1.2	.57	604
FEB. 15...	660	--	1.2	1.9	--	1.5	3.4	1.3	1.1	1840
MAR. 27...	140	.4	1.6	.57	--	1.7	2.3	.79	.27	560
APR. 17...	220	--	1.6	.61	--	2.5	3.1	.79	.34	718
MAY 09...	120	1.0	1.6	.16	--	1.5	1.7	.82	.23	553
JUNE 20...	1000	--	1.3	2.1	--	1.3	3.4	2.2	1.8	2610
JULY 11...	1600	--	.59	2.6	--	1.3	3.9	2.5	2.2	3430
AUG. 14...	1600	--	.48	3.6	--	.00	3.5	4.4	3.8	3550
SEP. 12...	1600	.9	.93	4.1	--	.10	4.2	3.7	3.2	3470

06803525 SALT CREEK BELOW STEVENS CREEK NEAR WAVERLY, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA, MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)	DIS- SOLVED BODM (B) (UG/L) (01020)
OCT.										
18...	--	6.01	716	--	--	--	7440	--	16	--
NOV.										
20...	--	3.16	902	--	--	--	3870	--	14	--
DEC.										
22...	3060	4.73	1040	360	43	23	5440	20	9.8	540
JAN.										
16...	--	.82	1430	--	--	--	1090	--	11	--
FEB.										
15...	--	2.50	989	--	--	--	2870	--	5.8	--
MAR.										
27...	541	.76	1740	210	25	3.3	969	100	4.4	120
APR.										
17...	--	.98	1880	--	--	--	1220	--	6.5	--
MAY										
09...	479	.75	1940	190	16	3.2	859	70	18	110
JUNE										
20...	--	3.55	1220	--	--	--	4370	--	7.7	--
JULY										
11...	--	4.66	1340	--	--	--	6020	--	7.2	--
AUG.										
14...	--	4.83	978	--	--	--	6140	--	9.3	--
SEP.										
12...	3450	4.72	993	370	83	27	5930	9	6.5	590

DATE	ALORIN (UG/L) (39330)	CHLOR- DANE (UG/L) (39350)	DDO (UG/L) (39360)	DDE (UG/L) (39365)	DDT (UG/L) (39370)	DI- AZINON (UG/L) (39370)	DI- ELDRIN (UG/L) (39380)	ENDRIN (UG/L) (39390)	HEPTA- CHLOR (UG/L) (39410)
FEB.									
15...	.00	.0	.00	.00	.00	.18	.00	.00	.00
JUNE									
20...	.00	.0	.00	.00	.00	.08	.00	.00	.00
JULY									
11...	.00	.0	.00	.00	.00	.16	.00	.00	.00

DATE	HEPTA- CHLOR EPOXIDE (UG/L) (39420)	LINDANE (UG/L) (39340)	MALA- THION (UG/L) (39530)	METHYL PARA- THION (UG/L) (39560)	PARA- THION (UG/L) (39540)	PCB (UG/L) (39510)	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVER (UG/L) (39760)
FEB.									
15...	.00	.00	.00	.00	.00	.0	.05	.01	.00
JUNE									
20...	.00	.37	.00	.00	.00	.0	1.1	.01	.01
JULY									
11...	.00	.00	.00	.00	.00	.0	.25	.00	.02

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
OCT.								
18...	1015	60	7.6	6.0	20	4.8	1599000	74990
NOV.								
20...	0930	144	7.8	4.5	40	9.0	159900	77990
DEC.								
22...	1050	111	7.8	4.5	10	7.6	539900	60990
JAN.								
16...	1040	876	7.4	2.0	220	10.2	29990	31990
FEB.								
15...	1100	199	7.7	.5	40	11.5	109900	56990
MAR.								
27...	1145	1150	7.6	10.0	200	9.0	14990	15990
APR.								
17...	1110	970	7.5	11.0	190	8.8	34990	13990
MAY								
09...	1115	1300	7.6	16.0	280	7.4	119900	77990
JUNE								
20...	0930	173	7.6	18.5	30	5.7	139900	35990
JULY								
11...	1030	145	7.6	27.5	15	5.6	139900	23990
AUG.								
14...	1015	102	7.5	22.5	10	4.8	210000	17000
SEP.								
12...	0908	106	7.5	17.0	25	4.9	180000	48000

06803530 ROCK CREEK NEAR CERESCO, NEBR.

LOCATION.--Lat 41°00'56", long 96°32'39", in NE¼NE¼ sec.17, T.12 N., R.8 E., Lancaster County, at gaging station at county road bridge 5.7 mi (9.1 km) southeast of Ceresco.

DRAINAGE AREA.--119 mi² (308 km²).

PERIOD OF RECORD.--Chemical analyses: April 1970 to September 1973.

Water temperatures: April 1970 to September 1973.

EXTREMES.--1972-73:

Specific conductance: Maximum daily, 1,640 micromhos Dec. 3, 28; minimum daily, 244 micromhos Dec. 30.

Water temperatures: Maximum, 36.5°C July 12; minimum, freezing point on many days during November to February.

Period of record:

Specific conductance: Maximum daily, 5,160 micromhos July 5, 1970; minimum daily, 232 micromhos June 10, 1972.

Water temperatures: Maximum, 39.5°C July 17, 1970; minimum, freezing point on many days during winter period.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SI02) (MG/L) (00955)	DIS- SOLVED ALUM- INUM (AL) (UG/L) (01106)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NES- SIUM (NA) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)
OCT.											
09...	5.4	--	--	--	--	--	--	--	--	322	0
NOV.											
24...	20	--	--	--	--	--	--	--	--	329	0
DEC.											
14...	9.8	35	--	--	--	89	21	180	7.1	387	0
JAN.											
04...	12	--	--	--	--	--	--	--	--	356	0
24...	22	--	--	--	--	--	--	--	--	291	0
FEB.											
16...	8.9	--	--	--	--	--	--	--	--	395	0
MAR.											
28...	44	19	20	40	680	82	23	150	9.4	337	0
APR.											
16...	97	--	--	--	--	--	--	--	--	204	0
MAY											
10...	48	--	--	--	--	--	--	--	--	319	0
JUNE											
01...	28	--	--	--	--	--	--	--	--	357	0
20...	13	22	--	--	--	76	23	160	6.9	352	0
JULY											
09...	11	--	--	--	--	--	--	--	--	318	0
AUG.											
02...	11	--	--	--	--	--	--	--	--	130	24
SEP.											
12...	7.3	31	10	10	60	77	20	170	9.1	353	0

DATE	ALKA- LINITY AS CACO3 (MG/L) (00410)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRATE (N) (MG/L) (00618)	DIS- SOLVED NITRITE (N) (MG/L) (00613)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L) (00608)	ORGANIC NITRO- GEN (N) (MG/L) (00605)
OCT.											
09...	264	--	--	--	--	--	--	.53	--	.23	.36
NOV.											
24...	270	--	--	--	--	--	--	1.4	--	.19	.08
DEC.											
14...	317	130	180	.5	--	--	--	1.8	.34	.34	.16
JAN.											
04...	292	--	--	--	--	--	--	2.2	.54	.55	.00
24...	239	--	--	--	--	--	--	2.0	.88	.86	.92
FEB.											
16...	324	--	--	--	--	--	--	2.2	.53	--	.57
MAR.											
28...	276	120	160	.4	3.6	.04	3.5	3.6	.15	--	1.3
APR.											
16...	167	--	--	--	--	--	--	2.5	.45	--	1.9
MAY											
10...	262	--	--	--	--	--	--	4.1	.21	--	2.9
JUNE											
01...	293	--	--	--	--	--	--	4.1	.39	--	1.0
20...	289	93	170	.5	--	--	--	2.1	.22	--	.98
JULY											
09...	261	--	--	--	--	--	--	3.0	.13	--	1.2
AUG.											
02...	147	--	--	--	--	--	--	.98	.14	--	.37
SEP.											
12...	290	110	200	.5	1.2	.06	1.3	1.3	.06	--	.92

PLATTE RIVER BASIN

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06803530 ROCK CREEK NEAR CERESCO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TOTAL KJEL- DAHL- NITRO- GEN (N) (MG/L) (00025)	TOTAL NITRO- GEN (N) (MG/L) (00000)	TOTAL PHOS- PHORUS (P) (MG/L) (00065)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00066)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA+MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)
OCT.											
09...	.59	--	--	.28	--	--	--	--	--	--	--
NOV.											
24...	.27	--	--	.54	--	--	--	--	--	--	--
DEC.											
14...	.50	--	.37	.27	908	842	1.23	24.1	310	0	4.5
JAN.											
04...	.13	--	--	.38	--	--	--	--	--	--	--
24...	1.8	--	--	.48	--	--	--	--	--	--	--
FEB.											
16...	1.1	--	--	.33	--	--	--	--	--	--	--
MAR.											
28...	1.4	4.9	.42	.22	--	764	1.04	90.8	300	24	3.8
APR.											
16...	2.3	--	--	.28	--	--	--	--	--	--	--
MAY											
10...	3.1	--	--	.57	--	--	--	--	--	--	--
JUNE											
01...	1.4	--	--	.11	--	--	--	--	--	--	--
22...	1.2	--	.29	.23	822	734	1.12	28.9	280	0	4.1
JULY											
09...	1.3	--	--	.33	--	--	--	--	--	--	--
AUG.											
02...	.51	--	--	.19	--	--	--	--	--	--	--
SEP.											
12...	.98	2.3	.62	.45	--	798	1.09	15.7	280	0	4.5

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHMS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)	DIS- SOLVED BARIUM (BA) (UG/L) (01005)	DIS- SOLVED BERYL- LIUM (BE) (UG/L) (01010)	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L) (01032)	DIS- SOLVED COBALT (CO) (UG/L) (01035)
OCT.											
09...	1245	--	--	--	--	--	--	--	--	--	--
NOV.											
24...	1590	--	--	--	--	--	--	--	--	--	--
DEC.											
14...	1360	20	1.0	--	--	--	--	250	--	--	--
JAN.											
04...	1530	--	--	--	--	--	--	--	--	--	--
24...	1090	--	--	--	--	--	--	--	--	--	--
FEB.											
16...	1490	--	--	--	--	--	--	--	--	--	--
MAR.											
28...	1250	40	1.8	.0	4	300	0	170	0	0	2
APR.											
16...	783	--	--	--	--	--	--	--	--	--	--
MAY											
10...	1100	--	--	--	--	--	--	--	--	--	--
JUNE											
01...	1190	--	--	--	--	--	--	--	--	--	--
20...	1190	30	3.0	--	--	--	--	180	--	--	--
JULY											
09...	1120	--	--	--	--	--	--	--	--	--	--
AUG.											
02...	1130	--	--	--	--	--	--	--	--	--	--
SEP.											
12...	1240	10	2.1	.0	7	0	0	250	0	0	1

PLATTE RIVER BASIN

06803530 ROCK CREEK NEAR CERESCO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	DIS- SOLVED LITHIUM (LI) (UG/L) (01130)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	DIS- SOLVED MOLYB- DENUM (MO) (UG/L) (01060)	DIS- SOLVED NICKEL (NI) (UG/L) (01065)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)	DIS- SOLVED SILVER (AG) (UG/L) (01075)	DIS- SOLVED STRON- TIUM (SR) (UG/L) (01080)	DIS- SOLVED VANA- DIUM (V) (UG/L) (01085)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
OCT. 09...	--	--	--	--	--	--	--	--	--	--	--
NOV. 24...	--	--	--	--	--	--	--	--	--	--	--
DEC. 14...	--	--	--	--	--	--	--	--	--	--	--
JAN. 04...	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--
FEB. 16...	--	--	--	--	--	--	--	--	--	--	--
MAR. 28...	30	0	20	.2	3	17	14	1	480	3.1	100
APR. 16...	--	--	--	--	--	--	--	--	--	--	--
MAY 10...	--	--	--	--	--	--	--	--	--	--	--
JUNE 01...	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--
JULY 09...	--	--	--	--	--	--	--	--	--	--	--
AUG. 02...	--	--	--	--	--	--	--	--	--	--	--
SEP. 12...	2	2	40	.0	6	3	10	0	580	7.4	10

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
DEC. 14...	1100	9.8	7.4	.0	10	8.7	67	1000
MAR. 28...	0950	44	7.8	10.0	50	9.7	440	2000
JUNE 20...	1015	13	7.7	18.5	35	8.2	1000	1100
SEP. 12...	0950	7.3	7.8	17.0	65	7.8	1100	820

PLATTE RIVER BASIN

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06803530 ROCK CREEK NEAR CERESCO, NEBR.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1300	1330	1600	883	1310	1240	500	1170	1170	1140	1080	1440
2	1240	1280	1530	1080	1290	1340	955	1240	1140	1290	1110	1340
3	1240	1390	1640	1270	1290	1420	1090	1260	1160	1030	1050	1680
4	1240	1420	1620	1460	1050	1540	1120	1240	800	576	1070	1080
5	1250	1480	1600	1400	659	1460	1180	1260	741	371	1150	1250
6	1310	1440	1480	1540	918	1420	1200	1320	827	635	1150	1290
7	1140	1400	1620	1540	1250	1500	1210	431	1070	843	1170	1280
8	1210	1550	1500	1540	1320	1510	1210	656	1120	1070	1250	1390
9	1220	1300	1500	1520	1440	1680	1200	1000	1150	1110	1170	1340
10	1260	957	1490	1620	1400	1620	1240	1080	1160	1010	1230	1290
11	1310	1070	1440	1540	1410	997	1200	1110	1170	1080	1190	1220
12	1300	1170	1510	1430	1370	1240	1200	1130	1170	1110	1210	1240
13	1230	700	1340	1380	1300	1200	1250	1200	1120	1160	1260	1390
14	1250	697	1360	1310	1170	1030	1240	1240	1110	1030	1210	1230
15	1290	1070	1320	248	1240	1270	1200	1140	1080	1070	1430	1280
16	1240	1180	1330	234	1460	1390	947	1100	1080	1170	1200	1300
17	1290	1270	1300	279	1530	1420	1180	1100	1090	1200	1390	1540
18	1170	1340	1280	431	1380	1420	1270	1050	1270	1200	1260	1400
19	1230	1390	1250	713	1250	1430	1270	1080	1110	1170	1210	1300
20	1240	1430	1310	1040	434	1420	936	1070	1190	482	1180	1280
21	1540	1470	1350	810	498	1450	1230	1060	1140	644	1200	1260
22	1370	1500	1410	761	709	1430	1250	1190	1140	830	1190	1240
23	1300	1600	1450	931	746	1410	1250	1140	1140	1050	1250	1300
24	1270	1560	1320	1080	827	595	1220	1140	1260	1100	1210	1370
25	1400	1440	1340	1080	1070	632	1010	1120	1140	1150	1270	1400
26	1370	1340	1510	397	1350	959	1240	1150	1130	1150	1260	551
27	1390	1460	1530	311	1520	1140	1230	900	1170	1130	1290	742
28	1240	1510	1640	569	1500	1210	1220	684	1180	1130	1280	257
29	1360	1540	886	896	---	1120	1140	991	1160	1110	1270	569
30	1270	1600	244	1150	---	1230	1350	1090	1150	1150	1310	800
31	1200	---	670	1250	---	264	---	1150	---	1110	1350	---
MONTH	1280	1330	1370	1020	1170	1260	1160	1080	1110	1010	1220	1200

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.0	15.5	4.0	0.0	0.0	1.0	4.0	10.0	26.0	33.0	26.5	26.5
2	17.0	10.0	4.5	0.0	3.5	10.0	5.5	10.0	24.5	26.5	25.5	29.5
3	20.0	7.0	0.0	0.0	1.5	2.0	10.0	19.0	26.5	32.0	31.0	26.5
4	13.5	9.5	0.0	0.0	1.5	4.0	4.5	21.0	28.0	32.0	30.0	30.5
5	18.5	21.0	0.0	0.5	0.5	11.5	15.5	21.0	27.0	25.5	29.0	25.5
6	15.5	10.0	0.0	0.0	0.0	9.0	10.0	16.5	25.5	32.0	26.5	24.0
7	15.5	5.5	0.0	0.0	1.0	4.5	6.5	13.5	26.5	24.5	26.5	21.0
8	14.5	10.0	0.0	0.0	0.0	9.5	2.0	18.0	29.0	35.0	25.5	21.0
9	15.5	7.0	0.0	0.0	0.0	5.5	1.0	23.0	30.0	32.0	26.5	21.0
10	16.0	7.0	0.0	0.0	1.5	6.0	10.0	22.0	26.5	32.0	31.0	24.5
11	15.5	4.5	0.0	0.0	0.5	4.0	10.0	21.0	24.0	32.0	24.5	26.5
12	14.5	4.5	0.0	0.0	0.0	14.5	10.0	18.0	26.5	36.5	31.0	17.0
13	16.5	4.0	0.0	0.0	1.0	12.0	10.0	15.0	29.5	29.0	26.5	18.0
14	14.5	0.0	0.0	1.5	0.0	11.5	7.0	15.5	28.0	25.5	30.0	24.5
15	4.5	0.0	0.0	1.5	1.0	2.0	12.0	15.5	33.5	32.0	29.5	18.0
16	12.0	4.5	0.0	4.5	0.5	5.5	10.0	19.0	31.0	29.0	32.0	22.0
17	10.0	0.0	0.0	1.5	0.0	7.0	18.0	21.0	32.0	29.0	29.5	21.0
18	7.0	1.5	0.0	7.0	0.0	6.0	20.5	23.5	26.5	32.0	31.0	20.0
19	5.5	1.5	0.0	1.0	0.0	7.0	10.0	25.5	25.5	26.0	32.0	19.0
20	4.5	4.5	1.5	1.0	4.5	13.5	18.0	24.0	21.0	20.0	32.0	24.0
21	10.0	4.5	0.0	0.0	0.5	4.5	15.5	26.5	24.0	19.0	32.0	32.0
22	4.5	5.5	1.5	3.0	1.0	4.5	17.0	21.0	30.0	26.5	32.0	21.0
23	8.0	0.0	3.5	1.0	5.0	8.0	15.5	21.0	32.0	26.0	31.0	26.0
24	9.0	2.5	0.5	4.5	0.5	8.0	24.0	20.0	26.5	26.0	25.5	23.5
25	10.0	5.5	1.5	6.5	1.5	6.5	4.5	23.5	26.5	26.0	30.0	20.0
26	13.0	3.5	1.5	2.0	3.5	12.0	15.5	21.0	23.5	26.0	32.0	18.0
27	12.0	2.0	1.5	0.5	1.0	9.5	15.5	20.5	24.0	28.0	29.0	15.5
28	8.0	-1.0	1.5	0.0	3.5	8.0	10.0	23.5	29.0	31.0	32.0	21.5
29	10.0	2.0	4.5	0.5	---	4.0	23.5	18.0	30.0	30.5	29.0	19.0
30	8.0	3.5	1.5	1.0	---	2.0	15.5	22.0	32.0	26.5	27.0	18.0
31	8.0	---	0.0	1.0	---	6.5	---	26.5	---	29.0	28.0	---
MONTH	12.0	5.0	1.0	1.5	1.0	7.0	11.5	20.0	27.5	29.0	29.0	22.5

PLATTE RIVER BASIN

06803530 ROCK CREEK NEAR CERESCO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	DIS- CHARGE (CFE) (00040)	SUS- PENDE SEDI- MENT (MG/L) (80150)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN (70337)	SUS. SED. FALL DIAM. % FINER THAN (70338)
MAR. 11...	1115	4.5	158	3440	1470	43	48
25...	1020	4.5	324	2860	2240	33	35
MAY 07...	1410	10.0	735	5360	10700	30	38
SEP. 27...	1135	16.0	59	1000	172	69	79

DATE	SUS. SED. FALL DIAM. % FINER THAN (70340)	SUS. SED. SIEVE DIAM. % FINER THAN (70331)	SUS. SED. FALL DIAM. % FINER THAN (70342)	SUS. SED. FALL DIAM. % FINER THAN (70343)	SUS. SED. FALL DIAM. % FINER THAN (70344)	SUS. SED. FALL DIAM. % FINER THAN (70345)
------	---	--	---	---	---	---

MAR. 11...	62	--	99	100	--	--
25...	57	--	96	99	100	--
MAY 07...	51	--	97	98	99	100
SEP. 27...	91	100	--	--	--	--

DATE	TIME	NUMBER OF SAM- PLING POINTS (00063)	DIS- CHARGE (CFE) (00060)	BED MAT. FALL DIAM. % FINER THAN (80158)	BED MAT. FALL DIAM. % FINER THAN (80159)	BED MAT. FALL DIAM. % FINER THAN (80160)	BED MAT. FALL DIAM. % FINER THAN (80161)	BED MAT. FALL DIAM. % FINER THAN (80162)	BED MAT. FALL DIAM. % FINER THAN (80169)	BED MAT. SIEVE DIAM. % FINER THAN (80170)	BED MAT. SIEVE DIAM. % FINER THAN (80171)
MAR. 09...	1700	11	190	93	95	96	98	99	99	99	100
SEP. 27...	1135	3	59	95	97	98	98	99	99	100	--

PLATTE RIVER BASIN

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06803555 SALT CREEK AT GREENWOOD, NEBR.

LOCATION.--Lat 40°57'56", long 96°27'01", at center of sec.31, T.12 N., R.9 E., Cass County, at gaging station at county road bridge 0.5 mi (0.8 km) west of Greenwood.

DRAINAGE AREA.--1,051 mi² (2,722 km²).

PERIOD OF RECORD.--Chemical analyses: July 1971 to September 1972.

Sediment records: October 1971 to September 1973.

EXTREMES.--1972-73:

Sediment concentrations: Maximum daily, 8,940 mg/l Mar. 31; minimum daily, 47 mg/l Oct. 4.

Sediment discharge: Maximum daily, 199,000 tons Mar. 31; minimum daily, 9.1 tons Oct. 4.

Period of record:

Sediment concentrations: Maximum daily, 9,400 mg/l May 1, 1972; minimum daily, 5 mg/l Oct. 9, 1971.

Sediment discharge: Maximum daily, 199,000 tons Mar. 31, 1973; minimum daily, 1.0 ton Oct. 9, 1971.

REMARKS.--Prior to July 1, 1971, sediment records were obtained by the U.S. Corps of Engineers.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TEMPER- ATURE (DEG C) (80010)	DIS- CHARGE (CFS) (00000)	SUS- PENDED SEDI- MENT (MG/L) (80154)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY) (80155)	SUS- SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS- SED. FALL DIAM. % FINER THAN .004 MM (70338)
FEB.							
20...	1435	3.5	399	392	422	42	47
MAR.							
12...	1440	9.0	1360	2940	10800	43	50
25...	1610	9.0	4780	3410	44000	30	36
APR.							
01...	1150	6.5	6400	6130	100000	35	38
20...	1100	15.5	1500	3400	13900	48	52
MAY							
09...	1600	19.0	1390	1400	9250	34	40
JUNE							
01...	1410	23.0	543	392	975	--	--
21...	1840	23.5	198	240	128	--	--
JULY							
20...	1500	19.0	3790	4670	47800	33	42
SEP.							
13...	1230	20.5	223	467	281	--	--
26...	1400	17.0	4620	4780	59600	45	55

DATE	SUS- SED. FALL DIAM. % FINER THAN .015 MM (70340)	SUS- SED. FALL DIAM. % FINER THAN .062 MM (70331)	SUS- SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS- SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS- SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS- SED. FALL DIAM. % FINER THAN .500 MM (70345)
FEB.						
20...	60	--	94	95	98	100
MAR.						
12...	64	--	95	96	98	100
25...	53	--	89	92	96	100
APR.						
01...	51	--	88	92	96	100
20...	67	--	96	97	99	100
MAY						
09...	60	--	91	93	97	100
JUNE						
01...	--	--	94	95	100	--
21...	--	85	--	--	--	--
JULY						
20...	60	--	96	98	99	100
SEP.						
13...	--	98	--	--	--	--
26...	74	--	95	97	98	100

PLATTE RIVER BASIN

06803555 SALT CREEK AT GREENWOOD, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	NUMBER OF SAM- PLING POINTS (00063)	DIS- CHARGE (CFS) (00060)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)
DEC.											
13...	1410	4	105	--	0	21	79	94	98	100	--
FEB.											
20...	1435	6	399	--	0	6	60	93	98	100	--
MAR.											
12...	1440	3	1360	3	6	41	76	96	100	--	--
25...	1610	3	4780	--	0	14	70	95	98	99	100
APR.											
01...	1155	3	6400	0	2	29	88	100	--	--	--
MAY											
09...	1600	3	1390	--	0	11	80	98	100	--	--
JUNE											
01...	1410	8	543	--	0	29	88	98	99	100	--
21...	1245	7	198	4	6	15	73	96	99	100	--
JULY											
11...	1310	8	203	3	4	23	75	96	99	100	--
20...	1500	3	3790	--	0	11	69	95	99	100	--
SEP.											
26...	1625	3	4820	0	1	27	73	97	100	--	--

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCTOBER			NOVEMBER			DECEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	74	60	12	279	488	368	180	253	123
2	72	74	14	249	372	250	180	253	123
3	72	60	12	184	264	131	153	250	103
4	72	47	9.1	162	232	101	146	245	97
5	76	60	12	139	477	179	140	240	91
6	84	75	17	134	490	177	130	235	82
7	78	68	14	217	398	233	120	230	75
8	74	60	12	153	315	130	118	225	72
9	78	62	13	155	258	108	114	250	77
10	97	102	27	587	1140	1980	110	275	82
11	100	105	28	251	475	322	108	300	87
12	95	96	25	182	245	120	106	400	114
13	97	85	22	425	550	631	104	640	180
14	97	83	22	571	890	1370	106	580	166
15	90	100	24	389	625	656	108	520	152
16	84	116	26	284	430	330	110	470	140
17	85	122	28	253	300	205	120	420	136
18	86	145	34	230	232	144	120	381	123
19	88	182	43	227	218	134	118	350	112
20	98	195	52	227	218	134	130	315	111
21	121	218	71	218	220	129	135	314	114
22	170	300	138	210	239	136	160	312	135
23	253	348	238	204	220	121	190	320	164
24	200	278	150	194	210	110	170	327	150
25	88	243	58	210	240	136	155	295	123
26	100	248	67	230	272	169	140	261	99
27	114	305	94	232	270	169	150	300	122
28	110	445	132	210	264	150	160	340	147
29	107	587	170	192	270	140	543	415	608
30	116	622	195	182	278	137	1480	1120	4480
31	296	578	462	--	--	--	635	1140	1950
TOTAL	3372	--	2221.1	7380	--	9100	6439	--	10338

PLATTE RIVER BASIN

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06803555 SALT CREEK AT GREENWOOD, NEBR.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	JANUARY			FEBRUARY			MARCH		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	347	890	834	351	325	308	374	355	358
2	260	670	470	315	390	332	371	335	336
3	235	420	266	301	260	211	350	300	284
4	220	220	131	401	290	314	470	330	419
5	210	420	238	667	780	1400	563	575	874
6	200	245	132	521	560	788	495	535	715
7	190	260	133	367	405	401	422	440	501
8	180	277	135	298	330	266	368	340	338
9	170	300	138	270	295	215	380	250	256
10	165	315	140	260	275	193	515	370	514
11	160	335	145	250	270	182	2770	4710	37200
12	155	318	133	260	270	190	1540	3450	14300
13	150	301	122	330	560	499	980	2320	6140
14	210	305	173	320	670	579	1600	3000	13000
15	500	686	1140	300	550	446	880	1580	3750
16	1800	2200	10500	280	480	363	563	750	1140
17	1940	2280	11400	260	435	305	466	470	591
18	1300	1620	5690	240	395	256	422	378	431
19	626	1010	1710	270	360	262	396	340	364
20	443	560	670	481	500	649	368	304	302
21	605	805	1310	713	840	1620	343	300	278
22	559	1010	1520	543	800	1170	330	280	249
23	346	640	598	579	735	1150	359	351	340
24	334	365	329	563	630	958	3070	3310	30800
25	416	370	416	436	460	542	4110	3280	36400
26	825	1230	2800	350	300	284	2760	2500	18600
27	1420	1650	6330	320	215	186	1410	1640	6240
28	517	1100	1540	317	210	180	1010	1230	3350
29	367	790	783	--	--	--	1080	1030	3000
30	400	580	626	--	--	--	923	940	2340
31	369	355	354	--	--	--	7250	8940	199000
TOTAL	15619	--	50906	10563	--	14249	36938	--	382410
DAY	APRIL			MAY			JUNE		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	6900	6330	126000	480	434	562	559	400	604
2	2970	2750	22100	504	430	585	511	334	461
3	1760	1590	7560	484	405	529	559	500	755
4	1260	1250	4250	416	400	449	831	629	1410
5	1060	1060	3030	448	520	629	1170	1000	3160
6	940	880	2230	460	580	720	698	565	1060
7	775	704	1470	3700	3580	52100	565	460	702
8	740	641	1280	4510	4470	58000	476	384	494
9	700	578	1090	1700	1760	8080	422	370	422
10	685	516	954	1070	980	2830	378	362	369
11	620	470	787	839	839	1900	347	370	347
12	548	427	632	676	698	1270	338	383	350
13	510	430	592	590	557	887	326	361	318
14	484	431	563	534	470	678	322	343	298
15	2050	6990	98600	482	384	500	317	325	278
16	3000	6450	52200	450	385	468	297	311	249
17	1240	1500	5020	419	386	437	272	316	232
18	800	1000	2160	403	388	422	276	321	239
19	830	1850	4150	408	393	433	260	280	197
20	1400	3200	12100	380	399	409	222	239	143
21	780	1200	2530	360	376	365	194	240	126
22	613	600	993	403	352	383	187	272	137
23	546	487	718	362	371	363	182	250	123
24	520	462	649	339	388	355	182	229	113
25	502	438	594	327	380	336	174	263	124
26	527	366	521	1050	3680	16100	179	296	143
27	491	295	391	4390	5190	65200	172	310	144
28	453	322	394	2570	2500	17300	162	323	141
29	428	349	403	1160	1500	4700	165	335	149
30	430	392	455	814	940	2070	165	348	155
31	--	--	--	643	530	920	--	--	--
TOTAL	34562	--	354416	31371	--	239980	10908	--	13443

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

TOTAL DISCHARGE FOR YEAR (CFS-DAYS)	190993
TOTAL SUSPENDED-SEDIMENT DISCHARGE FOR YEAR (TONS)	1277189.1

PLATTE RIVER BASIN

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06803565 SALT CREEK ABOVE ASHLAND, NEBR.

LOCATION.--Lat 41°01'34", Long 96°24'22", in NW¼NW¼ sec.10, T.12 N., R.9 E., Saunders County, at county road bridge 2 mi (3.2 km) southwest of Ashland.

DRAINAGE AREA.--1,118 mi² (2,896 km²).

PERIOD OF RECORD.--Chemical analyses: March 1971 to September 1973.

DATE	DIS- CHARGE (CFD) (00040)	DIS- SOLVED SILICA (SIDE) (MG/L) (00090)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00010)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00025)	DIS- SOLVED SODIUM (NA) (MG/L) (00030)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00035)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LINITY AS CACO3 (MG/L) (00410)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)
OCT. 18...	88	--	--	--	--	--	--	--	--	--
NOV. 28...	842	--	--	--	--	--	--	--	--	--
DEC. 22...	147	26	93	26	760	11	356	0	292	230
JAN. 18...	1868	--	--	--	--	--	--	--	--	--
FEB. 15...	400	--	--	--	--	--	--	--	--	--
MAR. 27...	1190	13	51	14	88	9.6	195	0	160	69
APR. 17...	1380	--	--	--	--	--	--	--	--	--
MAY 09...	1600	12	46	12	61	9.4	187	0	153	58
JUNE 20...	237	--	--	--	--	--	--	--	--	--
JULY 11...	290	--	--	--	--	--	--	--	--	--
AUG. 14...	199	--	--	--	--	--	--	--	--	--
SEP. 12...	152	20	97	28	1100	9.5	357	0	293	260

DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00031)	AMMONIA NITRO- GEN (N) (MG/L) (00010)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L) (00008)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KUEL- DAHL NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)
OCT. 18...	1700	--	1.6	--	5.6	.10	5.7	5.6	5.6	3800
NOV. 28...	790	--	1.7	--	2.1	1.3	3.4	1.4	1.2	1880
DEC. 22...	1100	.7	1.1	3.5	3.5	.10	3.6	2.7	2.8	3240
JAN. 18...	280	--	1.4	1.9	1.9	3.0	4.9	1.4	.68	680
FEB. 15...	440	--	1.9	1.4	--	1.1	2.5	.85	.77	1310
MAR. 27...	100	.5	1.9	1.4	--	2.1	3.5	.94	.24	460
APR. 17...	140	--	2.7	.72	--	3.1	3.8	1.0	.35	585
MAY 09...	93	.4	1.9	.21	--	3.6	3.8	.95	.24	446
JUNE 20...	940	--	1.9	.56	--	1.3	1.9	1.3	1.1	2310
JULY 11...	1200	--	1.6	.42	--	1.5	1.9	1.6	1.3	2610
AUG. 14...	1600	--	1.2	.33	--	1.1	1.4	2.2	2.0	3470
SEP. 12...	1400	.4	2.1	.86	--	1.2	2.1	2.4	2.2	3080

PLATTE RIVER BASIN

06803565 SALT CREEK ABOVE ASHLAND, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA, MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)	DIS- SOLVED BORON (B) (UG/L) (01020)
OCT. 18...	--	5.17	903	--	--	--	6120	--	6.7	--
NOV. 20...	--	2.56	1230	--	--	--	3210	--	3.2	--
DEC. 22...	2430	4.41	1460	340	47	18	4420	10	7.5	470
JAN. 16...	--	.92	2860	--	--	--	1290	--	11	--
FEB. 15...	--	1.78	1420	--	--	--	2000	--	5.2	--
MAR. 27...	450	.63	1490	190	25	2.8	798	100	6.8	90
APR. 17...	--	.80	2130	--	--	--	938	--	9.6	--
MAY 09...	413	.61	1990	160	11	2.8	723	90	10	110
JUNE 20...	--	3.14	1480	--	--	--	3740	--	6.1	--
JULY 11...	--	3.55	1470	--	--	--	4590	--	8.7	--
AUG. 14...	--	4.72	1490	--	--	--	5790	--	7.7	--
SEP. 12...	3110	4.19	1260	360	65	25	5380	9	6.2	510

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
OCT. 18...	1100	88	7.7	6.5	10	8.6	54990	24990
NOV. 20...	1115	242	7.8	5.0	50	10.1	36990	199900
DEC. 22...	0940	167	7.8	1.0	10	7.3	30990	14990
JAN. 16...	1310	1560	7.3	2.5	230	9.7	69990	40990
FEB. 15...	0940	400	7.7	.5	50	11.7	34990	18990
MAR. 27...	0950	1190	7.5	9.0	270	8.4	18990	7000
APR. 17...	0945	1350	7.4	10.0	240	8.2	40990	19990
MAY 09...	1315	1650	7.7	18.0	320	6.6	149900	74990
JUNE 20...	1130	237	7.7	21.0	30	8.6	670	650
JULY 11...	1120	208	7.9	29.5	50	9.5	17990	700
AUG. 14...	1130	159	7.7	26.0	20	8.2	2000	100
SEP. 12...	1100	152	7.5	18.0	20	6.5	45000	900

06805500 PLATTE RIVER AT LOUISVILLE, NEBR.

LOCATION.--Lat 41°00'55", long 96°09'28", in NW¼NW¼ sec.14, T.12 N., R.11 E., Sarpy County, at bridge on State Highway 50, 7 mi (11.3 km) downstream from gaging station near South Bend, 1.0 mi (1.6 km) north of Louisville.

DRAINAGE AREA.--88,800 mi² (230,000 km²), approximately.

PERIOD OF RECORD.--Sediment records: October 1971 to September 1973.

EXTREMES.--1972-73:

Sediment concentrations: Maximum daily, 5,790 mg/l Mar. 2; minimum daily, 118 mg/l Dec. 21.

Sediment discharge: Maximum daily, 305,000 tons May 28; minimum daily, 702 tons Dec. 5.

Period of record:

Sediment concentrations: Maximum daily, 10,100 mg/l May 1, 1972; minimum daily, 118 mg/l Dec. 21, 1972.

Sediment discharge: Maximum daily, 500,000 tons May 1, 1972; minimum daily, 629 tons Aug. 29, 1972.

REMARKS.--Prior to July 1, 1971, sediment records were obtained by the U.S. Corps of Engineers.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	DIS- CHARGE (CFS) (00060)	SUS- PENDED SEDIM- ENT (MG/L) (00154)	SUS- PENDED SEDIM- ENT DIS- CHARGE (T/DAY) (00155)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)
OCT.							
20...	1300	11.0	5250	370	5240	--	--
JAN.							
18...	1240	.5	4340	494	8790	--	--
MAR.							
25...	1350	4.5	17400	1410	66200	18	19
APR.							
11...	1300	6.5	9940	561	15100	20	22
MAY							
03...	0900	5.0	9500	725	18600	19	23
19...	1440	20.0	13400	752	27200	--	--
21...	1115	21.0	18900	890	45400	--	--
23...	1000	18.0	14500	640	25100	--	--
25...	1000	18.0	47800	3540	457000	29	39
JUNE							
04...	1240	20.5	25300	1230	84000	--	--
25...	1210	23.5	12100	1160	37900	30	32
JULY							
12...	1440	30.5	3930	278	2950	--	--
AUG.							
19...	1120	26.5	2400	194	1300	--	--
SEP.							
21...	1330	18.5	7640	395	8380	--	--

DATE	SUS. SED. FALL DIAM. % FINER THAN .016 MM (70340)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)	SUS. SED. FALL DIAM. % FINER THAN 1.06 MM (70346)
OCT.						
20...	--	67	78	84	100	--
JAN.						
18...	--	17	24	54	81	100
MAR.						
25...	20	64	77	91	99	100
APR.						
11...	25	52	60	84	90	100
MAY						
03...	20	50	54	64	85	100
19...	--	57	60	67	94	100
21...	--	60	60	90	100	--
23...	--	43	57	76	95	100
25...	20	97	90	99	100	--
JUNE						
04...	--	50	55	70	93	100
25...	30	82	80	80	82	100
JULY						
12...	--	79	85	82	100	--
AUG.						
19...	--	54	57	84	94	100
SEP.						
21...	--	60	60	80	100	--

PLATTE RIVER BASIN

06805500 PLATTE RIVER AT LOUISVILLE, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	NUMBER OF SAMP- LING POINTS (000000)	DIS- CHARGE (CFS) (000000)	BED MAT. FALL DIAM. % FINER THAN (80158)	BED MAT. FALL DIAM. % FINER THAN (80159)	BED MAT. FALL DIAM. % FINER THAN (80160)	BED MAT. FALL DIAM. % FINER THAN (80161)
				.062 MM	.125 MM	.250 MM	.500 MM
NOV. 17...	1040	4	7060	0	1	27	76
MAR. 28...	1355	4	17400	--	0	10	53
APR. 11...	1300	6	9940	--	0	10	57
MAY 03...	0950	6	9500	0	1	29	77
19...	1445	3	13400	--	0	23	70
21...	1115	4	18900	--	0	4	31
25...	1050	4	14500	--	0	17	52
28...	1530	4	47800	--	0	3	33
JUNE 04...	1245	4	25300	--	0	19	49

DATE	BED MAT. FALL DIAM. % FINER THAN (80162)	BED MAT. FALL DIAM. % FINER THAN (80169)	BED MAT. FALL DIAM. % FINER THAN (80170)	BED MAT. FALL DIAM. % FINER THAN (80171)	BED MAT. FALL DIAM. % FINER THAN (80172)	BED MAT. FALL DIAM. % FINER THAN (80173)
	1.00 MM	2.00 MM	4.00 MM	6.00 MM	16.0 MM	32.0 MM
NOV. 17...	97	99	99	100	--	--
MAR. 28...	80	89	97	100	--	--
APR. 11...	86	94	98	99	100	--
MAY 03...	96	99	100	--	--	--
19...	92	98	100	--	--	--
21...	63	82	95	99	100	--
25...	76	85	93	96	99	100
28...	58	87	95	99	100	--
JUNE 04...	73	85	95	99	99	100

PLATTE RIVER BASIN

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06805500 PLATTE RIVER AT LOUISVILLE, NEBR.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCTOBER			NOVEMBER			DECEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	3360	285	2590	6500	472	8280	5900	460	7330
2	3200	275	2380	5660	647	10000	6140	480	7960
3	3020	265	2160	6460	891	15600	6060	470	7690
4	3440	288	2670	5900	645	10300	3700	300	3000
5	3700	304	3040	5390	625	9100	1300	200	702
6	3640	300	2950	5980	558	9010	1400	210	794
7	3760	306	3110	5460	472	6960	1500	220	891
8	3700	304	3040	5430	425	6230	1600	232	1000
9	3940	318	3380	5740	410	6350	1700	300	1380
10	3790	310	3170	6880	525	9750	1650	369	1640
11	3790	310	3170	6180	413	6890	1600	300	1300
12	3550	295	2830	5780	409	6380	2000	210	1130
13	3760	306	3110	6700	418	7560	2300	230	1430
14	3440	288	2670	7600	450	9230	2500	235	1590
15	3490	290	2730	7280	573	11300	2700	240	1750
16	3640	300	2950	7020	779	14800	3000	250	2020
17	3550	295	2830	7150	675	13000	3300	252	2250
18	3580	298	2880	7380	623	12400	3700	200	2000
19	3470	289	2710	6260	600	10100	4000	165	1780
20	3730	305	3070	6300	580	9870	4500	140	1700
21	4060	325	3560	6540	542	9570	5000	118	1590
22	4320	520	6070	6380	510	8790	5400	170	2480
23	5250	700	9920	6220	482	8090	5400	170	2480
24	4650	495	6210	6460	457	7970	5200	173	2430
25	5070	398	5450	6340	448	7670	5000	173	2340
26	4620	360	4490	6580	522	9270	4800	174	2260
27	4780	340	4390	6300	450	7650	6000	150	2430
28	4480	350	4230	6140	382	6330	6800	124	2280
29	4890	380	5020	5820	318	5000	7600	515	10600
30	4520	355	4330	5860	257	4070	10000	840	22700
31	5460	420	6190	--	--	--	9400	372	9440
TOTAL	123650	--	117300	189690	--	267520	131150	--	110367
DAY	JANUARY			FEBRUARY			MARCH		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	8800	550	13100	9500	410	10500	16800	3340	154000
2	7600	472	9690	8250	407	9070	18700	5790	293000
3	6400	400	6910	8000	410	8860	19200	5100	264000
4	5000	330	4460	8550	570	13200	18700	4450	225000
5	4200	300	3400	10300	890	24800	17800	4020	193000
6	3700	280	2800	10800	1250	36400	18400	3870	192000
7	3500	200	1890	10500	1180	33500	17000	3870	178000
8	3300	160	1430	9650	990	25800	15400	3880	161000
9	3200	158	1370	9150	580	14300	13700	3880	144000
10	3100	200	1670	8780	365	8650	12900	3890	135000
11	3100	246	2060	8300	350	7840	16000	4670	202000
12	3300	270	2410	8170	340	7500	16500	5320	237000
13	3500	310	2930	8360	350	7900	18500	5700	285000
14	3800	375	3850	8000	340	7340	19300	4190	215000
15	4300	510	5920	7100	330	6330	21400	2700	156000
16	5600	1110	16800	6930	320	5990	19200	1550	80400
17	7000	1450	27400	6850	310	5730	15800	870	37100
18	11000	1300	38600	7170	330	6390	13900	830	31100
19	14000	1010	38200	6720	300	5440	12300	820	27200
20	15000	810	32800	7360	470	9340	11400	800	24600
21	14000	655	24800	9460	670	17100	10900	795	23400
22	13000	580	20400	9760	970	25600	9950	750	20100
23	12500	555	18700	13200	1600	57000	10200	690	19000
24	12000	565	18300	18300	3180	154000	16400	910	40300
25	11000	625	18600	18300	2650	131000	24000	1870	121000
26	12200	770	25400	16600	2170	97300	25200	1980	135000
27	14900	1270	50900	15000	1830	74100	22000	1660	98600
28	13000	1520	53800	14400	1580	61400	18000	1360	66100
29	11300	870	26500	--	--	--	15700	940	39800
30	10200	530	14600	--	--	--	14200	780	29900
31	9660	450	11700	--	--	--	24000	1610	122000
TOTAL	253160	--	501390	283460	--	872380	523450	--	3949600

PLATTE RIVER BASIN

06805500 PLATTE RIVER AT LOUISVILLE, NEBR.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	APRIL			MAY			JUNE		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	25800	2270	158000	9100	470	11500	25800	860	59900
2	23900	1870	121000	9300	670	16800	24500	770	50900
3	20900	1580	89200	9200	680	16900	24300	720	47200
4	18300	1330	65700	9300	560	14100	26600	760	54600
5	15200	1070	43900	9720	530	13900	30800	980	81500
6	13400	840	30400	9550	530	13700	26100	1160	81700
7	11900	650	20900	13700	920	34200	23400	1050	66300
8	11100	570	17100	16900	1220	55700	21000	770	43700
9	11200	560	16900	12200	710	23400	17600	670	31800
10	11100	560	16800	11400	550	16900	16700	530	23900
11	10200	570	15700	10500	460	13000	15080	480	19400
12	10000	750	20200	8800	440	10500	14200	480	18400
13	9350	570	14400	9500	450	11500	15200	470	19300
14	9250	460	11500	9820	470	12500	16600	540	24200
15	11800	450	14300	10300	510	14200	13900	1470	55200
16	14400	680	26400	10700	550	15900	13300	990	35600
17	12000	2240	74900	10200	460	12700	13100	660	23300
18	14700	4160	164000	11200	370	11200	12300	550	18300
19	12200	1960	66300	15800	820	35000	15500	1950	87400
20	12500	990	33400	19900	970	52100	13600	2450	90000
21	11500	690	21400	19400	800	41900	12000	1300	42100
22	11000	530	15700	18300	610	30100	11700	1030	32500
23	10300	510	14200	16000	460	19900	10300	530	14700
24	9350	520	13100	16100	560	24300	10700	370	10700
25	9300	550	13800	15300	570	23500	11200	290	8770
26	9150	580	14300	16800	480	21800	11500	300	9320
27	8200	670	14800	33900	800	73200	11400	300	9230
28	8450	970	22100	45000	2510	305000	11800	310	9880
29	8550	610	14100	38000	2280	234000	12200	370	12200
30	8500	430	9870	32000	1410	122000	11700	300	9480
31	--	--	--	28000	1030	77900	--	--	--
TOTAL	373500	--	1174370	505890	--	1379300	494000	--	1091480
DAY	JULY			AUGUST			SEPTEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	11200	206	6230	4880	480	6320	1910	289	1490
2	10400	252	7080	4680	427	5400	1640	261	1160
3	9500	297	7620	4380	470	5560	2400	233	1510
4	8700	448	10500	4090	512	5650	2760	338	2520
5	7420	599	12000	4030	459	4990	3500	443	4190
6	6740	515	9370	3600	406	3950	3890	371	3900
7	6060	431	7050	3530	353	3360	3810	299	3080
8	4850	355	4650	3470	300	2810	4080	338	3720
9	4650	279	3500	2900	247	1930	4540	376	4610
10	4920	342	4540	2660	194	1390	4320	332	3870
11	4580	404	5000	2680	190	1370	3870	289	3020
12	3910	278	2930	2670	186	1340	4130	319	3560
13	3580	250	2420	2600	204	1430	4880	349	4600
14	3470	222	2080	2420	221	1440	4960	379	5080
15	2910	195	1530	2450	228	1510	5630	457	6950
16	2860	185	1430	2720	234	1720	6660	535	9620
17	2490	175	1180	2730	250	1840	7140	537	10400
18	2300	234	1450	4250	380	4360	7410	539	10800
19	2400	293	1900	3950	410	4370	8070	550	12000
20	3410	1000	9210	3420	439	4050	9710	388	7510
21	4280	1870	21600	3220	355	3090	7430	395	7920
22	4250	1030	11800	3190	271	2330	7290	366	7200
23	6790	1040	19100	3030	240	1960	7450	353	7100
24	7560	1270	25900	2210	209	1250	7310	340	6710
25	7260	1170	22900	3110	215	1810	7370	358	7120
26	6340	1050	18000	2740	221	1630	14700	375	14900
27	8800	1580	37500	2550	273	1880	12900	487	17000
28	7430	1170	23500	2510	325	2200	13300	599	21500
29	6510	820	14400	2350	300	1900	15400	650	27000
30	6240	650	11000	2140	275	1590	13800	514	19200
31	4970	510	6840	2240	282	1710	--	--	--
TOTAL	176780	--	314210	97400	--	86140	199720	--	239240
TOTAL DISCHARGE FOR YEAR (CFS-DAYS)									3351850
TOTAL SUSPENDED-SEDIMENT DISCHARGE FOR YEAR (TONS)									10103297

WEeping WATER CREEK BASIN

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06806501 WEeping WATER CREEK NEAR UNION, NEBR.

LOCATION.--Lat 40°47'46", long 95°54'17", in NE¼NE¼NW¼ sec. 36, T.10 N., R.13 E., Cass County, at county road bridge 1.1 mi (1.8 km) downstream from gaging station, 1.6 mi (2.6 km) southeast of Union, and 3.9 mi (6.3 km) downstream from South Branch Weeping Water Creek.

PERIOD OF RECORD.--Chemical analyses: October 1972 to September 1973.
Water temperatures: October 1972 to September 1973.

EXTREMES.--1972-73:

Specific conductance: Maximum daily, 705 micromhos Dec. 11; minimum daily, 199 micromhos Sept. 26.

Water temperatures: Maximum, 30.0°C July 6, 7, Aug. 10, 27; minimum, freezing point several days December to February.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SiO2) (MG/L) (00955)	DIS- SOLVED ALUM- INUM (AL) (UG/L) (01106)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)
OCT.											
25...	33	12	--	100	160	69	16	34	12	280	0
NOV.											
21...	42	20	--	50	270	66	16	28	8.7	282	0
DEC.											
19...	30	23	--	20	270	80	19	28	4.5	342	0
JAN.											
24...	66	18	--	90	370	56	14	16	7.0	239	0
FEB.											
22...	128	16	60	50	300	51	12	18	5.8	212	0
MAR.											
14...	371	17	--	50	270	54	13	17	7.1	219	0
MAY											
01...	292	12	--	60	230	54	14	16	6.7	201	0
30...	161	20	20	30	150	66	16	18	5.6	242	0
JUNE											
21...	65	23	--	9	90	76	18	27	3.7	300	0
JULY											
17...	75	23	--	0	120	74	17	21	4.3	279	0
AUG.											
07...	64	21	--	10	110	74	18	22	3.8	286	0
SEP.											
13...	54	22	--	80	170	73	17	24	4.2	310	0

DATE	ALKA- LINIT AS CaCO3 (MG/L) (00410)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRATE (N) (MG/L) (00618)	DIS- SOLVED NITRITE (N) (MG/L) (00613)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L) (00625)
OCT.											
25...	238	49	16	.5	--	--	--	1.1	--	--	--
NOV.											
21...	231	48	13	.4	--	--	--	2.8	--	--	--
DEC.											
19...	281	35	7.5	.5	--	--	--	4.4	--	--	--
JAN.											
24...	196	32	7.0	.3	--	--	--	3.1	--	--	--
FEB.											
22...	174	31	5.4	.3	3.0	.05	3.1	3.0	.79	1.9	2.7
MAR.											
14...	180	40	5.2	.4	--	--	--	5.0	--	--	--
MAY											
01...	165	41	6.9	.4	--	--	--	5.2	--	--	--
30...	198	40	7.3	.6	6.6	.14	6.8	6.7	.30	1.7	2.0
JUNE											
21...	246	42	14	.5	--	--	--	6.3	--	--	--
JULY											
17...	229	41	11	.6	--	--	--	5.9	--	--	--
AUG.											
07...	235	43	6.6	.5	--	--	--	5.8	--	--	--
SEP.											
13...	254	37	7.2	.3	--	--	--	4.7	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

[illegible]

DATE	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	DIS- SOLVED COPPER (CU) (UG/L) (01040)
OCT.				
25...	--	110	--	--
NOV.				
21...	--	60	--	--
DEC.				
19...	--	80	--	--
JAN.				
24...	--	50	--	--
FEB.				
22...	6	50	2	32
MAR.				
14...	--	30	--	--
MAY				
01...	--	60	--	--
30...	7	70	0	13
JUNE				
21...	--	100	--	--
JULY				
17...	--	110	--	--
AUG.				
07...	--	90	--	--
SEP.				
13...	--	80	--	--

[illegible]

WEeping WATER CREEK BASIN

06806501 WEeping WATER CREEK NEAR UNION, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)
OCT.							
25...	1140	33	7.5	7.5	65	11.2	39990
NOV.							
21...	1145	42	7.6	5.0	--	12.0	9000
DEC.							
19...	1230	30	7.7	.5	10	11.6	2600
JAN.							
24...	1030	66	7.7	1.0	--	12.9	2900
FEB.							
22...	1230	128	7.7	3.0	210	12.6	1500
MAR.							
14...	1110	371	7.5	10.0	--	9.8	4900
MAY							
01...	1130	292	7.7	12.0	--	8.0	129900
30...	1200	161	7.6	16.0	95	8.6	5900
JUNE							
21...	1115	65	7.8	20.5	--	8.2	2000
JULY							
17...	1050	75	7.8	23.0	40	8.1	3700
AUG.							
07...	1045	64	7.8	24.5	--	8.0	7330
SEP.							
13...	1030	54	7.7	17.0	--	8.6	11000

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	529	462	550	381	428	478	346	468	551	498	561	561
2	548	490	564	419	316	478	448	500	542	354	548	557
3	540	505	568	429	417	499	501	549	557	230	554	554
4	532	511	595	447	426	504	538	569	525	334	550	556
5	545	543	605	491	334	504	558	573	548	383	542	556
6	552	542	613	504	419	494	571	564	558	472	543	559
7	549	546	666	535	453	523	574	318	565	500	540	562
8	538	545	665	537	514	529	582	356	566	505	540	551
9	534	544	680	547	523	513	556	466	567	532	530	550
10	538	531	692	565	543	508	558	520	574	448	520	544
11	535	522	705	578	538	432	539	560	617	448	536	555
12	530	528	682	582	530	396	536	580	636	522	528	564
13	548	432	653	578	504	458	555	585	634	539	506	542
14	551	440	640	569	410	455	551	590	645	547	546	549
15	538	475	638	531	477	499	557	590	625	551	550	548
16	557	496	639	309	541	529	426	589	616	544	548	521
17	554	532	629	277	567	540	470	590	623	551	550	524
18	556	527	611	225	578	546	513	584	619	553	548	545
19	557	531	601	275	560	553	535	583	614	553	548	556
20	552	526	593	333	471	563	549	585	613	268	546	558
21	552	532	588	383	332	567	558	575	586	358	548	559
22	517	536	590	409	428	572	573	580	584	397	540	564
23	511	536	590	437	366	575	569	583	576	490	548	508
24	505	542	590	447	365	463	567	586	577	493	554	400
25	530	537	577	462	389	455	574	586	576	509	560	449
26	547	539	574	475	441	425	582	575	572	529	556	199
27	558	538	568	378	469	472	575	528	573	544	555	321
28	557	550	554	341	488	509	577	447	564	558	553	248
29	561	546	295	392	---	522	573	466	569	561	551	428
30	558	557	303	425	---	496	457	519	475	564	550	465
31	402	---	376	450	---	317	---	536	---	564	540	---
MONTH	538	521	587	442	458	496	536	539	582	481	545	505

WEeping WATER CREEK BASIN

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06806501 WEeping WATER CREEK NEAR UNION, NEBR.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.0	9.0	4.0	2.0	2.0	8.0	7.0	12.0	25.0	25.0	26.0	27.0
2	14.0	8.0	4.0	1.0	2.0	8.0	8.0	13.0	24.0	26.0	26.0	26.0
3	18.0	7.0	0.0	2.0	2.0	7.0	9.0	15.0	23.0	28.0	27.0	24.0
4	14.0	5.0	2.0	1.0	3.0	6.0	10.0	16.0	24.0	27.0	28.0	25.0
5	14.0	7.0	1.0	1.0	3.0	7.0	11.0	17.0	22.0	26.0	27.0	23.0
6	14.0	9.0	2.0	0.0	2.0	8.0	13.0	16.0	24.0	30.0	26.0	24.0
7	8.0	7.0	0.0	0.0	2.0	9.0	10.0	12.0	26.0	30.0	28.0	23.0
8	15.0	8.0	2.0	1.0	0.0	8.0	8.0	16.0	26.0	29.0	28.0	24.0
9	10.0	7.0	3.0	0.0	0.0	7.0	5.0	18.0	27.0	28.0	29.0	24.0
10	13.0	7.0	1.0	1.0	1.0	7.0	5.0	18.0	27.0	27.0	30.0	24.0
11	16.0	7.0	1.0	1.0	1.0	7.0	9.0	17.0	28.0	26.0	29.0	23.0
12	13.0	7.0	3.0	1.0	2.0	9.0	10.0	16.0	27.0	28.0	27.0	22.0
13	8.0	8.0	2.0	1.0	2.0	10.0	12.0	16.0	27.0	27.0	27.0	20.0
14	11.0	2.0	0.0	1.0	0.0	10.0	12.0	15.0	26.0	26.0	27.0	22.0
15	11.0	2.0	1.0	2.0	1.0	8.0	13.0	15.0	27.0	26.0	28.0	21.0
16	8.0	3.0	2.0	2.0	1.0	8.0	11.0	16.0	27.0	27.0	29.0	17.0
17	10.0	4.0	4.0	2.0	1.0	8.0	13.0	17.0	27.0	27.0	28.0	16.0
18	6.0	4.0	2.0	2.0	2.0	6.0	16.0	17.0	26.0	28.0	29.0	17.0
19	4.0	4.0	2.0	3.0	3.0	7.0	16.0	21.0	23.0	27.0	27.0	20.0
20	4.0	3.0	4.0	2.0	2.0	9.0	17.0	21.0	21.0	24.0	27.0	21.0
21	4.0	3.0	3.0	3.0	2.0	10.0	16.0	24.0	24.0	23.0	29.0	25.0
22	10.0	4.0	4.0	3.0	3.0	9.0	16.0	22.0	25.0	23.0	29.0	23.0
23	8.0	4.0	1.0	2.0	3.0	9.0	17.0	21.0	27.0	25.0	27.0	22.0
24	5.0	4.0	1.0	2.0	5.0	9.0	18.0	18.0	27.0	26.0	26.0	21.0
25	5.0	4.0	3.0	2.0	4.0	8.0	14.0	20.0	28.0	26.0	28.0	21.0
26	7.0	5.0	3.0	3.0	4.0	10.0	12.0	21.0	27.0	26.0	29.0	21.0
27	8.0	4.0	4.0	3.0	4.0	11.0	14.0	19.0	27.0	27.0	30.0	21.0
28	8.0	1.0	2.0	1.0	6.0	11.0	15.0	21.0	28.0	28.0	29.0	22.0
29	8.0	2.0	4.0	1.0	---	10.0	18.0	19.0	27.0	27.0	28.0	21.0
30	9.0	2.0	2.0	0.0	---	10.0	16.0	21.0	27.0	27.0	28.0	20.0
31	11.0	---	2.0	3.0	---	9.0	---	22.0	---	26.0	27.0	---
MONTH	10.0	5.0	2.0	1.5	2.5	8.5	12.5	18.0	25.5	26.5	28.0	22.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	DIS- CHARGE (CFS) (00060)	SUS- PENDE DISE- MENT (MG/L) (80154)	SUS- PENDE DISE- MENT (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)	SUS. SED. FALL DIAM. % FINER THAN .016 MM (70340)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)
MAR.											
14...	1040	10.0	369	2390	2380	28	28	39	98	100	--
30...	1145	7.0	354	1380	1320	16	19	34	96	99	100
APR.											
01...	1130	5.5	1180	7420	23600	32	34	50	99	100	--
MAY											
07...	1735	10.0	2110	12700	72400	18	22	44	97	99	100
JUNE											
06...	1415	18.5	137	413	153	25	32	58	99	100	--

(International hydrological decade river, irrigation network, and radiochemical station)

DRAINAGE AREA.--414,400 mi² (1,073,000 km²), approximately.

EXTREMES. -- 1972-73:

Specific conductance: Maximum daily, 816 micromhos Sept. 5; minimum daily, 487 micromhos Jan. 7.
Water temperatures: Maximum, 28.0°C on several days in July; minimum, freezing point on many days during December to February.

Specific conductance: Maximum daily, 994 micromhos Dec. 17, 1962; minimum daily, 273 micromhos June 17, 1964.
Water temperatures: Maximum, 29°C July 25, 1952; minimum, freezing point on many days during winter period.

REMARKS.--Records of fluvial sediments are published in Part 2 of Water Resources Data for Iowa.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

[illegible]

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WATER QUALITY DATA. WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

[illegible]

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

[illegible]

MISSOURI RIVER MAIN STEM

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06807000 MISSOURI RIVER AT NEBRASKA CITY, NEBR.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	708	691	703	567	634	612	623	717	690	752	722	763
2	712	688	702	577	630	542	645	738	706	750	726	753
3	712	688	698	619	641	521	673	723	720	721	720	767
4	711	676	678	576	662	509	689	723	730	688	722	761
5	705	683	708	624	719	502	710	734	720	652	722	816
6	711	682	646	539	665	505	734	739	700	690	729	749
7	715	685	651	487	651	503	742	754	703	725	733	748
8	708	690	668	692	644	507	750	675	705	716	736	746
9	714	695	743	718	625	504	740	663	728	725	747	754
10	711	677	708	704	676	529	743	697	728	743	744	746
11	714	712	811	685	682	555	750	720	739	706	744	726
12	711	669	801	722	686	565	739	730	749	645	746	738
13	705	757	768	713	688	553	745	730	752	709	744	746
14	706	727	795	749	675	573	755	757	743	727	756	728
15	709	690	768	765	669	583	755	758	722	750	742	726
16	715	688	763	743	670	575	700	760	721	752	752	723
17	700	705	799	663	694	577	682	769	748	753	749	712
18	705	689	757	621	707	594	708	767	747	752	746	723
19	705	683	799	532	769	610	719	783	742	756	742	730
20	703	690	789	553	716	625	713	781	708	764	741	728
21	709	697	789	560	665	644	757	779	692	689	731	733
22	708	700	789	588	685	656	725	776	721	707	739	739
23	682	702	785	611	662	667	726	780	737	726	750	736
24	714	724	759	607	645	671	737	783	743	706	747	731
25	696	701	755	633	581	672	737	794	753	680	747	730
26	696	705	747	649	543	601	737	783	752	690	754	669
27	693	705	748	651	575	627	738	771	752	705	701	535
28	696	702	743	611	588	655	744	707	756	708	702	607
29	697	704	716	581	---	682	745	630	769	715	726	619
30	690	699	678	644	---	705	738	623	760	706	736	637
31	684	---	603	644	---	710	---	656	---	708	746	---
MONTH	705	697	738	633	659	591	723	735	731	717	737	721

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.5	9.0	2.0	0.0	0.5	2.0	4.5	14.5	17.0	24.5	24.5	25.0
2	15.0	8.5	3.5	0.0	0.5	2.0	5.5	11.0	17.0	24.5	24.5	24.5
3	17.0	8.0	2.0	0.0	0.5	2.0	6.5	11.0	20.0	25.0	24.5	24.0
4	16.0	6.5	0.0	0.0	1.0	2.0	6.5	11.5	21.0	24.5	25.0	24.0
5	16.0	6.0	0.0	0.0	1.0	2.0	6.5	13.0	21.0	25.5	25.5	23.5
6	16.0	8.0	0.0	0.0	1.5	2.0	9.0	13.5	20.5	25.5	25.0	23.5
7	14.5	6.5	0.0	0.0	0.5	1.5	9.0	14.0	21.0	25.5	25.0	23.5
8	15.0	7.0	0.0	0.0	0.0	2.0	8.0	13.5	21.5	26.0	25.0	23.0
9	14.5	7.0	0.0	0.0	0.0	2.0	5.5	15.0	22.0	28.0	25.5	22.0
10	16.5	7.0	0.0	0.0	0.0	2.0	4.5	15.5	22.0	28.0	25.5	21.5
11	16.0	6.0	0.0	0.0	0.0	2.0	5.5	15.5	24.0	28.0	25.5	21.5
12	14.0	5.5	0.0	0.0	0.0	2.0	6.0	15.5	24.0	28.0	25.0	21.0
13	13.5	3.5	0.0	0.0	0.5	2.0	7.0	15.5	24.0	28.0	25.5	20.0
14	13.5	2.0	0.0	0.0	0.0	2.0	8.0	15.5	24.0	28.0	25.5	19.5
15	12.0	2.0	0.0	0.0	0.0	2.0	8.0	15.5	24.5	28.5	26.0	19.5
16	13.5	3.5	0.0	0.5	0.0	2.0	9.5	15.0	24.5	25.5	26.0	18.5
17	11.0	3.5	0.0	0.5	0.0	2.0	9.0	15.0	24.5	25.5	26.0	16.5
18	10.0	3.5	0.0	0.5	0.0	3.0	11.0	16.0	25.0	25.5	26.0	16.0
19	9.0	3.0	0.0	0.5	0.0	3.0	11.0	16.5	24.5	25.5	26.0	16.0
20	8.5	3.0	0.5	0.5	0.5	3.0	12.0	16.5	24.5	24.5	26.0	16.5
21	8.5	3.5	0.5	1.0	0.5	3.0	12.0	19.0	24.5	24.5	26.0	18.5
22	8.5	3.5	0.5	0.0	0.5	3.0	12.0	19.0	21.5	24.0	25.5	19.0
23	9.5	4.0	0.5	0.5	1.0	3.0	13.5	18.0	23.0	22.0	26.5	19.0
24	8.0	3.0	0.5	0.5	1.5	3.0	15.0	19.0	24.0	21.0	26.5	18.5
25	10.0	4.0	0.5	0.5	1.5	3.0	14.5	19.0	24.5	24.0	25.5	18.0
26	11.0	3.0	0.5	1.0	1.5	3.0	13.5	19.0	25.0	23.5	26.5	17.0
27	10.0	3.5	0.5	1.0	1.5	3.0	12.0	18.0	25.0	23.5	26.5	18.0
28	10.0	3.5	0.5	0.5	1.5	3.0	11.5	18.0	24.0	24.5	25.5	17.0
29	10.0	2.0	1.0	0.0	---	3.0	13.0	16.0	24.5	25.0	25.5	17.0
30	9.0	2.0	1.0	0.0	---	3.0	14.5	15.0	24.5	25.5	26.0	17.0
31	8.0	---	1.0	0.0	---	3.0	---	16.5	---	25.0	25.5	---
MONTH	12.0	4.5	0.5	0.5	0.5	2.5	9.5	15.5	23.0	25.5	25.5	20.0
YEAR	MAX	28.0	MIN	0.0	MEAN	11.5						

LITTLE NEMAHA RIVER BASIN

06811500 LITTLE NEMAHA RIVER AT AUBURN, NEBR.

LOCATION.--Lat 40°23'33", long 98°48'46", in NE¼NW¼ sec.23, T.5 N., R.14 E., Nemaha County, at gaging station on U.S. Highway 136, 1 mi (1.6 km) east of Auburn.

DRAINAGE AREA.--793 mi² (2,054 km²).

PERIOD OF RECORD.--Chemical analyses: March 1973 to September 1973.

WATER QUALITY DATA, MARCH 1973 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SiO ₂) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO ₃) (MG/L) (00440)	CAR- BONATE (CO ₃) (MG/L) (00445)	ALKA- LINITY AS CaCO ₃ (MG/L) (00410)
MAR. 08...	394	--	--	--	--	--	--	--	--	--	--
MAY 03...	438	14	20	50	63	17	29	4.8	265	0	217
16...	370	--	--	--	--	--	--	--	--	--	--
JUNE 28...	108	19	30	20	80	20	34	3.8	325	0	267
JULY 19...	600	--	--	--	--	--	--	--	--	--	--
AUG. 15...	101	--	--	--	--	--	--	--	--	--	--

DATE	DIS- SOLVED SULFATE (SO ₄) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L) (00608)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL- NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)
MAR. 08...	--	9.1	--	2.9	.16	--	1.3	1.5	.56	.23	341
MAY 03...	57	9.7	.4	3.3	.26	--	1.4	1.7	.51	.15	--
16...	--	11	--	4.1	.45	--	.65	1.1	.45	.21	388
JUNE 28...	68	14	.5	2.3	.09	--	.69	.78	.35	.23	--
JULY 19...	--	5.8	--	1.9	3.4	3.4	3.6	7.0	1.6	.14	181
AUG. 15...	--	13	--	.16	.32	--	1.2	1.5	.34	.28	349

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA+MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)
MAR. 08...	--	.46	363	--	--	--	520	--	2.7	--
MAY 03...	340	.46	402	230	10	.8	563	50	3.5	--
16...	--	.53	388	--	--	--	633	--	1.7	--
JUNE 28...	410	.56	120	280	16	.9	653	7	1.8	6
JULY 19...	--	.25	293	--	--	--	267	--	2.5	--
AUG. 15...	--	.47	95.2	--	--	--	541	--	5.8	--

WATER QUALITY DATA, MARCH 1973 TO SEPTEMBER 1973

[illegible]

DATE	TIME	DIS-CHARGE (CFS) (000060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER (31616)	STREP- TOCOCCI (COL- ONIES PER (31679)
MAR. 08...	1030	394	7.7	8.0	120	10.6	2000	5400
MAY 03...	1330	438	7.6	12.0	120	10.0	15990	7900
16...	1320	370	7.5	16.0	70	9.0	1600	1200
JUNE 28...	1300	108	8.0	26.0	20	9.2	3500	250
JULY 19...	1320	600	7.2	22.5	1700	6.0	--	145000
AUG. 15...	1300	101	8.2	25.0	20	13.8	2000	2000

06815000 BIG NEMAHA RIVER AT FALLS CITY, NEBR.

LOCATION.--Lat 40°02'00", long 95°35'30", on line between secs.22 and 23, T.1 N., R.16 E., Richardson County, at gaging station at bridge on U.S. Highway 73, 1 mi (1.6 km) south of Falls City.

DRAINAGE AREA.--1,340 mi² (3,471 km²).

PERIOD OF RECORD.--Chemical analyses: October 1950 to July 1951, March 1973 to August 1973.

WATER QUALITY DATA, MARCH 1973 TO AUGUST 1973

[illegible]

BIG NEMAH RIVER BASIN

06815000 BIG NEMAH RIVER AT FALLS CITY, NEBR.--Continued

WATER QUALITY DATA, MARCH 1973 TO AUGUST 1973

DATE	DIS- SOLVED SULFATE (504) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L) (00608)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL- NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)
MAR. 08...	--	12	--	2.5	.33	--	2.7	3.0	.98	.14	299
MAY 03...	65	12	.4	2.5	.21	--	1.5	1.7	.44	.24	--
16...	--	16	--	3.0	.21	--	.62	.83	.34	.14	495
JUNE 28...	100	23	.4	.32	.14	--	1.1	1.2	.24	.04	--
JULY 19...	--	25	--	.38	.25	.25	.95	1.2	.28	.07	392
AUG. 15...	--	20	--	1.8	.30	--	.42	.72	.44	.27	351

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA+MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	RIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)
MAR. 08...	--	.41	1160	--	--	--	439	--	3.8	--
MAY 03...	351	.48	692	260	37	.6	578	50	2.9	--
16...	--	.67	842	--	--	--	746	--	1.3	--
JUNE 28...	411	.56	165	290	61	.9	661	8	2.2	3
JULY 19...	--	.53	237	--	--	--	620	--	5.1	--
AUG. 15...	--	.48	633	--	--	--	552	--	2.1	--

DATE	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (MG) (UG/L) (71900)	DIS- SOLVED MERCURY (MG) (UG/L) (71890)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)	DIS- SOLVED SILVER (AG) (UG/L) (01075)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
MAR. 08...	--	--	--	--	--	--	--	--	--	--
MAY 03...	80	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--
JUNE 28...	90	0	0	11	3	.0	.0	3	0	20
JULY 19...	--	--	--	--	--	--	--	--	--	--
AUG. 15...	--	--	--	--	--	--	--	--	--	--

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
MAR. 08...	0815	1440	7.6	8.0	470	10.4	3800	8600
MAY 03...	1130	730	7.7	10.5	130	9.5	17990	24990
16...	1110	630	7.6	15.5	50	9.2	1700	840
JUNE 28...	1110	149	8.1	24.0	30	9.0	400	50
JULY 19...	1110	224	7.6	24.5	20	8.9	--	4000
AUG. 15...	1100	668	7.7	23.0	70	7.5	2800	6400

KANSAS RIVER BASIN

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06829500 REPUBLICAN RIVER AT TRENTON, NEBR.

LOCATION.--Lat $40^{\circ}10'00''$, long $101^{\circ}02'40''$, in SE $\frac{1}{4}$ sec.4, T.2 N., R.33 W., Hitchcock County, at gaging station 300 ft (91 m) upstream from Elm Creek, 0.9 mi (1.4 km) downstream from centerline of spillway of Trenton Dam, and 1.5 mi (2.4 km) southwest of Trenton.

DRAINAGE AREA.--8,620 mi² (22,300 km²), approximately, of which about 3,940 mi² (10,200 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SID2) (MG/L) (00955)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LINITY AS CACO3 (MG/L) (00410)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)
FEB. 15...	1.0	35	62	21	54	16	299	0	245	110	15
AUG. 17...	59	18	43	18	37	9.3	228	0	187	65	11

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS- SOLVED PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA+MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
FEB. 15...	1.3	.55	.04	230	464	.63	1.25	240	0	1.5	4
AUG. 17...	1.1	.11	.00	90	315	.43	50.2	180	0	1.2	7

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)
OCT. 12...	1030	2.7	300	8.0	11.5	9	10.2
FEB. 15...	1110	1.0	480	8.1	3.0	3	15.0
APR. 12...	0915	150	580	8.3	6.0	20	11.3
MAY 10...	1100	297	590	8.0	14.0	15	9.4
JUNE 07...	1100	88	580	8.1	18.0	7	8.2
JULY 05...	0945	135	550	7.9	22.0	10	7.5
AUG. 02...	1100	1.0	590	8.1	25.0	8	14.4
17...	0930	59	520	8.0	23.0	15	7.5
SEP. 13...	1045	1.6	670	7.9	17.0	10	9.3

06835500 FRENCHMAN RIVER AT CULBERTSON, NEBR.

LOCATION.--Lat $40^{\circ}14'05''$, Long $100^{\circ}52'40''$, in SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.12, T.3 N., R.32 W., Hitchcock County, at gaging station at bridge on U.S. Highways 6 and 34, 2 mi (3.2 km) west of Culbertson and 4.5 mi (7.2 km) upstream from mouth.

DRAINAGE AREA.--2,770 mi² (7,170 km²), approximately, of which about 1,470 mi² (3,810 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1970 to September 1973.

WATER QUALITY DATA, WATER YEAR 'OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SI02) (MG/L) (00955)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LITY AS CAC03 (MG/L) (00410)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)
FEB. 15...	98	52	57	15	19	14	271	0	222	33	6.0
AUG. 17...	16	54	67	22	34	17	337	0	276	57	8.6

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS- SOLVED PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA, MG) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
FEB. 15...	1.0	1.9	.09	100	339	.46	89.7	200	0	.6	20
AUG. 17...	.0	3.9	.09	130	443	.60	19.5	260	0	.9	3

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)
OCT. 12...	0925	76	280	7.9	10.5	40	9.4
NOV. 08...	1245	94	460	8.0	7.5	70	10.3
DEC. 14...	1330	40	260	7.7	1.0	20	11.0
JAN. 11...	1315	50	420	7.7	.0	20	11.9
FEB. 15...	1210	98	420	8.0	.0	80	12.3
MAR. 15...	1040	105	485	8.1	6.0	90	10.9
APR. 12...	1000	108	510	8.0	10.0	70	10.0
MAY 10...	1150	60	620	7.6	17.0	50	8.1
JUNE 07...	1200	28	650	7.5	25.0	20	8.0
JULY 05...	1025	16	600	8.0	22.0	20	8.5
AUG. 02...	1240	40	530	8.0	24.0	35	8.5
17...	1020	16	730	8.1	20.0	15	8.9
SEP. 13...	1230	165	380	7.7	16.0	200	8.5

KANSAS RIVER BASIN

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06837000 REPUBLICAN RIVER AT MC COOK, NEBR.

LOCATION.--Lat 40°11'15", long 100°37'05", in SW¼NE¼ sec.32, T.3 N., R.29 W., Red Willow County, temperature recorder at gaging station at bridge on U.S. Highway 83 at south edge of McCook, 2.5 mi (4.0 km) downstream from Driftwood Creek and 10.5 mi (16.9 km) upstream from Red Willow Creek.

DRAINAGE AREA.--12,310 mi² (31,900 km²), approximately, of which about 6,260 mi² (16,200 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--Water temperatures: December 1966 to September 1973.

EXTREMES.--1972-73:

Water temperatures: Maximum, 35.0°C July 6; minimum, freezing point on many days during November to January.

Period of record:

Water temperatures: Maximum (1966-72), 38.5°C June 24, 1971; minimum, freezing point on many days during winter period.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973
(RECORDER WITH TEMPERATURE ATTACHMENT, CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	22.0	9.5	1.5	1.5	6.0	0.5	0.5	0.0	4.0	1.5	16.0	11.0
2	23.0	11.5	8.5	1.5	6.5	1.0	0.5	0.0	4.0	1.5	16.0	13.0
3	22.0	13.5	10.0	2.0	1.5	0.5	0.5	0.0	5.0	1.5	8.0	7.0
4	20.5	10.0	10.0	2.0	0.0	0.0	0.5	0.0	5.0	3.0	9.0	8.0
5	18.5	11.0	10.5	5.0	0.0	0.0	0.5	0.0	5.5	4.0	9.0	8.0
6	15.0	8.5	9.5	4.5	0.0	0.0	0.0	0.0	5.0	3.0	12.0	6.5
7	18.0	6.5	9.5	3.0	0.0	0.0	0.5	0.0	3.0	1.0	13.5	7.0
8	16.5	11.0	10.0	4.5	0.0	0.0	0.5	0.0	1.5	0.5	10.5	5.0
9	15.0	10.5	7.0	5.0	0.0	0.0	0.5	0.0	1.5	0.5	7.0	6.5
10	21.0	13.5	9.0	2.0	0.0	0.0	0.5	0.0	3.0	0.5	9.0	7.0
11	19.0	12.0	6.5	4.0	0.0	0.0	0.5	0.0	4.0	1.0	18.0	11.0
12	14.5	10.5	6.0	4.5	0.0	0.0	0.5	0.0	3.0	1.0	14.0	20.5
13	16.5	9.5	4.5	0.5	0.0	0.0	0.5	0.0	4.5	1.0	19.5	13.0
14	14.0	10.5	2.0	0.0	0.5	0.0	0.5	0.0	3.5	1.0	10.0	7.0
15	14.5	9.0	0.5	0.0	0.5	0.0	0.5	0.0	4.0	0.5	10.5	5.5
16	18.5	9.5	5.0	0.5	0.5	0.0	0.5	0.0	1.5	0.5	11.0	5.5
17	18.0	12.0	3.5	2.0	0.5	0.0	0.0	0.0	4.5	1.0	11.5	5.5
18	13.0	8.5	3.5	2.0	0.0	0.0	0.0	0.0	7.0	1.0	11.5	8.0
19	8.5	5.5	5.0	2.0	0.5	0.0	0.0	0.0	8.0	4.5	11.0	9.0
20	10.0	5.0	4.0	3.0	0.5	0.0	0.0	0.0	8.0	2.0	14.5	7.0
21	11.0	8.0	3.5	1.0	0.5	0.0	0.0	0.0	8.0	3.5	11.0	6.0
22	9.0	8.0	4.0	0.0	0.5	0.0	0.5	0.0	8.5	3.5	14.0	7.0
23	11.5	6.0	4.5	0.0	0.0	0.0	0.5	0.0	9.0	4.5	11.0	9.5
24	12.0	4.0	3.5	0.0	0.0	0.0	1.0	0.0	9.0	5.5	9.5	8.0
25	13.0	4.5	4.5	0.0	0.0	0.0	1.0	0.0	8.0	5.5	8.5	7.0
26	15.0	5.5	3.0	0.0	0.5	0.0	1.5	0.0	13.5	10.0	10.0	7.0
27	14.0	7.0	4.5	0.5	0.5	0.0	1.5	0.0	15.0	11.5	10.0	8.5
28	9.0	6.0	4.0	0.0	0.5	0.0	0.5	0.0	11.5	8.5	10.0	9.0
29	8.0	6.0	3.0	0.0	0.5	0.5	0.5	0.0	---	---	9.0	8.0
30	8.0	1.5	4.0	0.0	0.5	0.0	1.5	0.0	---	---	9.0	7.0
31	1.5	1.0	---	---	0.5	0.0	3.0	0.5	---	---	8.0	6.5
MONTH	23.0	1.0	10.5	0.0	6.5	0.0	3.0	0.0	15.0	0.5	19.5	5.0

KANSAS RIVER BASIN

06837000 REPUBLICAN RIVER AT MC COOK, NEBR.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	9.5	8.0	11.0	8.0	26.0	16.5	31.5	20.5	32.0	20.0	29.5	19.5
2	10.5	7.0	14.0	6.5	26.0	17.0	26.0	21.5	32.0	19.0	29.5	21.5
3	9.0	7.0	15.5	10.0	26.5	18.0	30.0	21.5	32.0	20.5	29.0	16.5
4	10.0	6.5	17.0	12.0	21.0	16.5	32.0	22.0	31.5	20.5	28.5	16.5
5	14.5	7.0	18.0	14.0	22.0	15.0	34.0	23.5	34.0	21.0	28.0	15.5
6	16.0	10.0	18.0	14.5	27.0	16.0	35.0	24.0	34.0	23.0	25.5	15.5
7	9.5	6.5	16.5	13.0	29.5	19.0	34.5	23.0	26.0	22.0	23.0	16.0
8	6.5	5.0	19.5	13.5	29.5	20.5	34.0	24.5	31.0	19.5	23.0	16.0
9	5.5	3.5	20.5	15.0	30.5	21.0	30.0	24.5	29.5	19.0	26.0	17.0
10	5.5	1.5	21.5	15.5	30.0	20.5	33.5	23.5	31.5	19.0	28.0	16.0
11	10.5	5.0	20.0	15.5	32.0	21.5	32.0	22.0	31.5	21.0	23.5	16.0
12	12.0	6.5	17.0	13.5	29.0	23.0	30.0	21.0	31.0	20.0	18.0	16.0
13	14.5	9.0	19.5	12.0	28.0	21.5	28.5	21.5	29.5	20.0	19.0	15.0
14	19.5	15.0	19.0	13.5	28.0	22.0	24.0	20.0	30.0	20.0	20.5	14.0
15	16.5	11.5	19.0	13.0	32.0	20.5	28.0	18.5	31.5	21.0	18.0	11.5
16	15.5	9.0	20.5	14.5	29.0	20.5	28.5	19.5	31.5	21.0	11.5	10.0
17	17.0	10.5	20.5	14.5	29.0	16.5	30.0	19.5	29.0	20.0	17.0	8.0
18	19.0	14.5	21.5	16.0	25.5	15.0	25.5	21.5	30.0	20.5	15.5	10.0
19	17.0	15.0	23.0	18.0	29.0	20.5	23.0	21.5	31.5	20.5	23.0	13.0
20	17.0	12.0	23.0	17.0	29.5	17.0	21.5	18.0	32.0	20.0	18.0	16.0
21	16.5	13.0	20.5	18.5	29.5	18.0	21.5	16.5	30.5	21.0	23.0	16.0
22	16.0	11.5	19.5	17.0	31.0	18.5	24.0	18.5	31.5	20.5	23.5	14.5
23	17.0	10.5	23.0	15.5	34.0	19.0	28.5	19.5	32.0	20.5	25.0	17.0
24	16.5	15.0	21.5	17.0	36.0	21.0	25.5	21.5	31.5	20.5	23.5	18.0
25	16.0	11.5	21.5	15.5	31.0	25.0	23.5	18.5	31.0	20.0	19.0	15.0
26	11.5	10.0	19.5	14.0	32.0	21.0	28.5	18.5	30.5	20.0	17.0	14.5
27	15.5	8.0	14.0	10.0	30.0	19.5	26.0	20.0	30.0	20.0	14.5	12.0
28	18.5	10.5	19.0	10.5	28.5	18.5	30.0	18.5	30.5	19.5	13.5	12.0
29	19.0	14.0	19.5	10.0	26.0	16.0	28.0	20.5	30.5	20.5	12.0	11.5
30	15.0	11.0	20.5	13.5	28.0	19.5	23.0	18.5	30.0	21.0	15.5	11.5
31	---	---	24.0	13.5	---	---	31.0	16.0	29.5	19.5	---	---
MONTH	19.5	1.5	24.0	6.5	36.0	15.0	35.0	16.0	34.0	19.0	29.5	8.0

06837900 RED WILLOW CREEK AT RED WILLOW DIVERSION DAM, NEAR MC COOK, NEBR.

LOCATION.--Lat 40°16'50", long 100°32'20", in SW¼SE¼ sec.25, T.4 N., R.29 W., Red Willow County, at county road bridge 3 mi (4.8 km) north and 2 mi (3.2 km) west of Red Willow schoolhouse and about 6 mi (9.7 km) northeast of McCook.

PERIOD OF RECORD.--Chemical analyses: July 1970 to September 1973.

REMARKS.--Discharges estimated from records for Red Willow Creek near McCook, Nebr. (sta 06837500) and Red Willow Creek near Red Willow, Nebr. (sta 06838000).

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SI02) (MG/L) (00955)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LINITY AS CAC03 (MG/L) (00410)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)
FEB. 15...	10	58	74	21	28	14	323	0	265	26	36
AUG. 17...	32	25	39	18	21	18	241	0	198	22	14

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA,MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
FEB. 15...	.9	1.7	.08	110	425	.58	11.5	270	6	.7	20
AUG. 17...	.9	.29	.00	80	278	.38	24.7	170	0	.7	10

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)
OCT. 12...	0840	8.0	330	7.9	11.0	90	8.6
NOV. 08...	1455	8.0	570	8.0	7.0	60	10.2
DEC. 14...	1530	10	425	7.6	1.0	20	9.8
JAN. 11...	1445	8.0	580	7.7	.0	50	10.6
FEB. 15...	1345	10	440	8.0	.5	150	12.2
MAR. 15...	1200	12	620	8.1	6.0	90	10.8
APR. 12...	1100	19	580	8.0	9.0	100	9.8
MAY 10...	1300	55	530	7.6	17.0	130	8.6
JUNE 07...	1330	98	520	7.5	18.0	200	7.8
JULY 05...	1345	156	500	7.8	22.0	80	7.8
AUG. 02...	1445	20	450	7.8	22.0	40	8.1
AUG. 17...	1145	32	475	8.0	22.0	25	8.1
SEP. 13...	1430	15	530	7.8	16.0	60	8.5

06842500 MEDICINE CREEK BELOW HARRY STRUNK LAKE, NEBR.

LOCATION.--Lat 40°22'20", long 100°13'20", at center of sec.25, T.5 N., R.26 W., Frontier County, at gaging station 0.5 mi (0.8 km) downstream from Medicine Creek Dam and 6.5 mi (10.5 km) northwest of Cambridge.

DRAINAGE AREA.--880 mi² (2,280 km²), approximately, of which about 640 mi² (1,700 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1970 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (MG/L) (00955)	DIS- SOLVED CAL- CIUM (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG/L) (00925)	DIS- SOLVED SODIUM (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (MG/L) (00935)	BICAR- BONATE (MG/L) (00440)	CAR- BONATE (MG/L) (00445)	ALKA- LINIT- AS (MG/L) (00410)	DIS- SOLVED SULFATE (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (MG/L) (00940)
FEB. 13...	2.6	35	52	16	16	14	276	0	226	21	5.6
AUG. 14...	170	15	35	12	12	14	193	0	158	17	4.3

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS- SOLVED PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA, MG) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
FEB. 13...	.7	.71	.06	80	300	.41	2.11	200	0	.5	5
AUG. 14...	.5	.38	.13	50	207	.28	95.0	140	0	.4	20

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)
OCT. 11...	1145	2.0	230	7.8	14.0	20	8.6
NOV. 06...	1035	1.5	400	7.8	8.0	20	11.4
DEC. 06...	1430	1.5	500	7.8	1.0	8	12.8
JAN. 02...	1600	1.2	390	7.6	1.0	5	12.4
FEB. 13...	1100	2.6	370	8.0	2.0	3	11.4
MAR. 15...	1515	57	440	8.2	7.0	25	12.6
APR. 23...	1600	4.6	380	8.1	17.0	10	13.0
MAY 07...	1600	2.2	360	8.2	16.0	10	10.8
JUNE 06...	0940	143	340	7.9	17.0	11	8.8
JULY 03...	1230	320	360	7.7	22.0	10	8.1
AUG. 01...	0825	126	340	7.6	21.0	15	7.1
AUG. 14...	1510	170	360	7.6	25.0	12	7.5
SEP. 10...	1540	3.8	390	7.9	--	--	--

06844500 REPUBLICAN RIVER NEAR ORLEANS, NEBR.

LOCATION.--Lat 40°07'53", long 99°30'08", in NE¼NE¼ sec.19, T.2 N., R.19 W., Harlan County, at gaging station at bridge on State Highway 89, 200 ft (61 m) downstream from Burlington Northern Inc. bridge, 2 mi (3.2 km) west of Orleans, 2.8 mi (4.5 km) upstream from Sappa Creek, and 23 mi (37.0 km) upstream from Harlan County Dam.

DRAINAGE AREA.--15,640 mi² (40,500 km²), approximately, of which about 8,910 mi² (23,100 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1973.

WATER QUALITY DATA: WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SiO ₂) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MANGANESE (MN) (UG/L) (01056)	DIS-SOLVED CALCIUM (CA) (MG/L) (00915)	DIS-SOLVED MAGNESIUM (MG) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO ₃) (MG/L) (00440)	CARBONATE (CO ₃) (MG/L) (00445)	ALKALINITY AS CaCO ₃ (MG/L) (00410)
FEB. 14...	151	42	--	--	71	18	33	15	310	0	254
MAR. 21...	300	--	--	--	--	--	--	--	--	--	--
APR. 19...	450	31	30	20	60	19	35	17	289	0	237
MAY 23...	434	--	--	--	--	--	--	--	--	--	--
JUNE 20...	200	--	--	--	--	--	--	--	--	--	--
JULY 27...	395	29	1800	0	54	15	29	17	245	0	201
AUG. 16...	158	--	--	--	--	--	--	--	--	--	--
SEP. 17...	239	--	--	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED SULFATE (SO ₄) (MG/L) (00945)	DIS-SOLVED CHLORIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUORIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DIS-SOLVED PHOSPHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)
FEB. 14...	64	16	.8	1.8	--	--	--	--	.23	--
MAR. 21...	--	16	--	1.2	.09	1.0	1.1	.39	.73	439
APR. 19...	66	13	1.0	.71	.28	1.2	1.5	.50	.15	--
MAY 23...	--	14	--	.66	.14	1.1	1.2	.32	.08	397
JUNE 20...	--	14	--	.00	.45	.00	.04	.33	.07	397
JULY 27...	49	13	.7	.81	1.8	.70	2.5	--	.29	--
AUG. 16...	--	12	--	.00	.27	1.5	1.8	.52	.08	335
SEP. 17...	--	11	--	1.4	.06	2.5	2.6	.91	.25	304

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA+MG) (MG/L) (00900)	NON-CARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	COLOR (PLATINUM-COBALT UNITS) (00080)	BIOCHEMICAL OXYGEN DEMAND (MG/L) (00310)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)
FEB. 14...	421	.57	172	250	0	.9	629	20	--	--
MAR. 21...	--	.60	356	--	--	--	641	--	2.2	--
APR. 19...	388	.53	471	230	0	1.0	596	30	2.6	--
MAY 23...	--	.54	465	--	--	--	609	--	4.2	--
JUNE 20...	--	.54	214	--	--	--	581	--	6.6	--
JULY 27...	333	.45	355	200	0	.9	521	30	2.5	13
AUG. 16...	--	.46	143	--	--	--	528	--	2.6	--
SEP. 17...	--	.41	196	--	--	--	495	--	3.0	--

KANSAS RIVER BASIN

06844500 REPUBLICAN RIVER NEAR ORLEANS, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)	DIS- SOLVED SILVER (AG) (UG/L) (01075)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
FEB. 14...	230	--	--	--	--	--	--	--	--	--
MAR. 21...	--	--	--	--	--	--	--	--	--	--
APR. 19...	80	--	--	--	--	--	--	--	--	--
MAY 23...	--	--	--	--	--	--	--	--	--	--
JUNE 20...	--	--	--	--	--	--	--	--	--	--
JULY 27...	120	5	0	20	7	9.6	5.1	5	0	50
AUG. 16...	--	--	--	--	--	--	--	--	--	--
SEP. 17...	--	--	--	--	--	--	--	--	--	--

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)
OCT. 10...	1055	100	240	8.1	14.0	40	8.6
NOV. 07...	1115	163	560	8.1	6.5	55	11.0
DEC. 07...	1130	54	500	7.8	.0	10	10.6
JAN. 03...	1145	167	440	7.8	.0	25	11.0
FEB. 14...	1145	151	400	8.1	.0	35	12.6
MAR. 12...	1130	305	580	8.2	9.0	100	10.2
APR. 21...	1415	300	660	8.2	11.0	70	10.3
MAY 19...	1415	450	680	8.2	17.0	100	8.8
JUNE 23...	1345	434	620	8.1	21.0	70	8.6
JULY 05...	1110	569	540	8.0	18.0	120	8.0
20...	1330	200	600	8.3	22.0	80	10.8
AUG. 02...	1045	52	570	8.1	24.0	45	8.7
10...	1500	14	580	8.3	33.0	20	8.4
27...	1100	395	470	7.7	29.0	200	7.3
30...	1355	329	355	7.6	23.0	200	7.1
SEP. 07...	1425	109	560	8.2	26.0	45	8.1
16...	0900	158	500	8.2	23.0	100	7.5
28...	0925	35	580	8.2	21.0	30	8.5
OCT. 04...	0945	175	380	7.8	19.0	200	7.9
17...	0930	239	500	8.2	10.0	200	10.2
25...	1000	153	650	8.3	15.0	100	9.1

06849500 REPUBLICAN RIVER BELOW HARLAN COUNTY DAM, NEBR.

LOCATION.--Lat 40°04'45", long 99°10'05", in SW¼ sec.6, T.1 N., R.16 W., Franklin County, at gaging station 1.4 mi (2.3 km) west of Naponee, 1.4 mi (2.3 km) upstream from Turkey Creek, and 2.8 mi (4.5 km) downstream from Harlan County Dam.

DRAINAGE AREA.--20,760 mi² (53,800 km²), approximately, of which about 13,550 mi² (35,100 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SI02) (MG/L) (00955)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LINITY AS CACO3 (MG/L) (00410)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)
FEB. 14...	20	16	74	22	37	19	293	0	240	110	20
AUG. 16...	195	7.4	44	18	33	17	221	0	181	61	16

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA,MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
FEB. 14...	.7	.23	.05	190	444	.60	24.0	280	35	1.0	7
AUG. 16...	.7	.25	.05	80	307	.42	162	180	3	1.1	3

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)
OCT. 10...	1320	8.8	320	7.8	17.0	5	9.3
NOV. 07...	1345	7.4	640	7.8	16.5	5	12.1
DEC. 07...	1345	5.9	700	7.7	.0	5	12.0
JAN. 03...	1420	6.8	520	7.7	.0	10	11.8
FEB. 14...	1420	20	560	7.9	.5	10	13.2
MAR. 12...	1345	14	600	8.1	13.0	35	13.2
APR. 10...	1400	16	660	8.1	11.0	10	12.8
MAY 09...	1500	640	570	8.1	17.0	10	10.4
JUNE 05...	1345	319	560	8.1	21.0	10	10.0
JULY 02...	1320	617	570	7.7	23.0	10	8.9
JULY 30...	1115	260	540	7.8	24.0	20	8.6
AUG. 16...	1030	195	525	7.8	24.0	15	8.5
SEP. 04...	1155	193	520	8.1	23.0	10	9.1

06853000 REPUBLICAN RIVER NEAR GUIDE ROCK, NEBR.

LOCATION.--Lat 40°04'05", long 98°22'25", in SW¼NE¼ sec.7, T.1 N., R.9 W., Webster County, at gaging station 300 ft (91 m) upstream from Willow Creek, 0.2 mi (0.3 km) downstream from Courtland diversion dam, and 2 mi (3.2 km) southwest of Guide Rock.

DRAINAGE AREA.--22,040 mi² (57,100 km²), approximately, of which about 14,550 mi² (37,700 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: November 1961 to September 1973.

REMARKS.--Some of the chemical analyses by Kansas State Department of Health, Topeka, Kans.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SI02) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00446)	ALKA- LINITY AS CaCO3 (MG/L) (00410)
OCT.											
18...	--	21	60	0	75	17	27	10	270	0	220
NOV.											
28...	--	36	--	--	85	17	27	9.6	290	0	240
DEC.											
18...	--	36	--	--	85	15	26	9.0	290	0	240
JAN.											
30...	--	39	--	--	90	15	27	10	300	0	250
FEB.											
23...	--	36	--	--	88	15	27	10	290	0	240
MAR.											
20...	--	32	--	--	91	15	29	10	300	0	240
21...	150	--	--	--	--	--	--	--	--	--	--
APR.											
17...	--	33	170	0	100	20	34	11	310	0	260
19...	210	24	100	120	94	18	33	13	308	0	253
MAY											
11...	--	13	--	--	59	18	33	15	240	0	200
23...	682	--	--	--	--	--	--	--	--	--	--
JUNE											
19...	--	14	--	--	62	18	34	15	260	0	210
20...	244	--	--	--	--	--	--	--	--	--	--
JULY											
16...	--	17	--	--	50	15	24	16	200	0	170
26...	158	20	40	20	71	19	31	15	272	0	223
26...	158	--	--	--	--	--	--	--	--	--	--
AUG.											
16...	190	--	--	--	--	--	--	--	--	--	--
20...	--	17	--	--	53	20	33	16	230	0	190
SEP.											
17...	154	--	--	--	--	--	--	--	--	--	--
20...	--	33	--	--	88	18	31	12	290	0	240
DATE	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRATE (N) (MG/L) (00618)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (00300)
OCT.											
18...	75	17	.4	.34	--	--	--	--	.21	--	390
NOV.											
28...	78	18	.3	.75	--	--	--	--	.24	--	424
DEC.											
18...	69	18	.2	.93	--	--	--	--	.16	--	415
JAN.											
30...	77	19	.3	.86	--	--	--	--	.25	--	435
FEB.											
23...	79	18	.2	.63	--	--	--	--	.21	--	430
MAR.											
20...	86	22	.4	.50	--	--	--	--	.18	--	432
21...	--	18	--	--	.74	.09	.71	.80	.19	.14	460
APR.											
17...	120	27	.4	.56	--	--	--	--	.20	--	514
19...	110	21	.4	--	.66	.12	.60	.72	.25	.16	--
MAY											
11...	75	19	.6	.25	--	--	--	--	.17	--	361
23...	--	17	--	--	.35	.06	.61	.67	.19	.06	361
JUNE											
19...	73	21	.6	.32	--	--	--	--	.15	--	356
20...	--	16	--	--	.54	.10	.50	.60	.18	.07	383
JULY											
16...	58	17	.6	.66	--	--	--	--	.32	--	314
26...	88	18	.7	--	.67	.13	.48	.61	.25	.17	--
26...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
16...	--	16	--	--	.40	.12	.71	.83	.24	.09	345
20...	74	18	.6	.20	--	--	--	--	.11	--	352
SEP.											
17...	--	17	--	--	1.1	.11	.44	.55	.39	.28	436
20...	90	22	.4	.66	--	--	--	--	.24	--	450

KANSAS RIVER BASIN

06853000 REPUBLICAN RIVER NEAR GUIDE ROCK, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
MAR. 21...	1130	150	8.1	7.0	10	11.4	110	190
APR. 19...	1045	210	8.1	15.0	25	9.0	2100	510
MAY 23...	1045	682	7.8	17.0	30	8.5	990	350
JUNE 20...	1030	244	7.9	19.0	30	9.0	1600	280
JULY 26...	1100	158	7.8	27.0	25	8.2	262	550
AUG. 16...	1230	190	8.2	27.0	40	8.1	450	375
SEP. 17...	1430	154	8.2	14.0	30	9.7	3930	1350

06880000 LINCOLN CREEK NEAR SEWARD, NEBR.

LOCATION.--Lat 40°54'47", long 97°08'43", in NW¼NE¼ sec.24, T.11 N., R.2 E., Seward County, at gaging station at county road bridge 2 mi (3.2 km) west of Seward.

DRAINAGE AREA.--446 mi² (1,155 km²).

PERIOD OF RECORD.--Chemical analyses: June 1963 to September 1970, February 1973 to September 1973.

WATER QUALITY DATA, FEBRUARY 1973 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SI02) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LITY AS CAC03 (MG/L) (00410)
FEB. 26...	50	--	--	--	--	--	--	--	--	--	--
APR. 26...	19	35	9	400	69	14	27	9.1	291	0	239
MAY 23...	15	--	--	--	--	--	--	--	--	--	--
JUNE 26...	13	29	20	150	67	13	26	9.7	306	0	251
JULY 26...	16	--	--	--	--	--	--	--	--	--	--
AUG. 29...	8.9	--	--	--	--	--	--	--	--	--	--
SEP. 20...	10	35	10	67	62	12	25	10	269	0	221

DATE	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOLVED PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)
FEB. 26...	--	3.7	--	.64	1.4	.90	2.3	.91	.47	172
APR. 26...	36	7.4	.3	1.4	.13	.97	1.1	.68	.45	--
MAY 23...	--	8.3	--	.87	.10	1.2	1.3	.72	.35	366
JUNE 26...	37	7.3	.5	.03	.13	1.8	1.9	.70	.37	--
JULY 26...	--	9.0	--	1.3	.20	1.8	2.0	.75	.44	318
AUG. 29...	--	14	--	.80	.26	1.6	1.9	.76	.46	371
SEP. 20...	29	7.7	.4	1.5	.09	.72	.81	.81	.44	--

KANSAS RIVER BASIN

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06880000 LINCOLN CREEK NEAR SEWARD, NEBR.--Continued

WATER QUALITY DATA, FEBRUARY 1973 TO SEPTEMBER 1973

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA, MG) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	RIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)
FEB. 26...	--	.23	23.2	--	--	--	192	--	4.9	--
APR. 26...	348	.47	17.9	230	0	.8	546	20	2.6	--
MAY 23...	--	.50	14.8	--	--	--	558	--	3.3	--
JUNE 26...	341	.46	12.0	220	0	.8	541	20	6.6	9
JULY 26...	--	.43	13.7	--	--	--	483	--	4.4	--
AUG. 29...	--	.50	8.92	--	--	--	588	--	3.8	--
SEP. 20...	321	.44	8.67	200	0	.8	478	20	2.3	--

DATE	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (MG) (UG/L) (71900)	DIS- SOLVED MERCURY (MG) (UG/L) (71990)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)	DIS- SOLVED SILVER (AG) (UG/L) (01075)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
FEB. 26...	--	--	--	--	--	--	--	--	--	--
APR. 26...	60	--	--	--	--	--	--	--	--	--
MAY 23...	--	--	--	--	--	--	--	--	--	--
JUNE 26...	60	0	0	16	2	.0	.0	5	0	10
JULY 26...	--	--	--	--	--	--	--	--	--	--
AUG. 29...	--	--	--	--	--	--	--	--	--	--
SEP. 20...	60	--	--	--	--	--	--	--	--	--

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
FEB. 26...	1440	50	7.3	.5	160	11.6	93	4300
APR. 26...	1000	19	7.7	10.0	65	9.2	590	750
MAY 23...	1120	15	7.6	17.5	80	7.7	500	810
JUNE 26...	1115	13	7.7	24.0	55	7.8	560	1200
JULY 26...	1100	16	7.7	21.0	85	7.5	2400	1650
AUG. 29...	1115	8.9	7.6	24.0	95	6.4	700	900
SEP. 20...	1100	10	7.8	15.0	55	8.4	1530	1900

KANSAS RIVER BASIN

06880520 BIG BLUE RIVER BELOW SEWARD, NEBR.

LOCATION.--Lat 40°52'15", long 97°04'28", in NE¼NE¼NW¼ sec.3, T.10 N., R.3 E., Seward County, at bridge on county road about 2.5 mi (4.0 km) southeast of Seward.

PERIOD OF RECORD.--Chemical analyses: February 1973 to September 1973.

WATER QUALITY DATA, FEBRUARY 1973 TO SEPTEMBER 1973

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SI02) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LITY AS CAC03 (MG/L) (00410)
FEB. 26...	650	--	--	--	--	--	--	--	--	--	--
APR. 25...	79	20	30	580	84	22	42	12	321	0	263
MAY 23...	41	--	--	--	--	--	--	--	--	--	--
JUNE 26...	29	23	20	450	81	20	39	10	340	0	279
JULY 26...	114	--	--	--	--	--	--	--	--	--	--
AUG. 29...	18	--	--	--	--	--	--	--	--	--	--
SEP. 20...	34	25	60	160	69	18	37	12	290	0	238

DATE	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)
FEB. 26...	--	3.6	--	.55	1.5	1.3	2.8	.87	.39	156
APR. 25...	110	12	.3	1.4	.22	1.4	1.6	.66	.39	--
MAY 23...	--	12	--	1.4	.13	1.2	1.3	.86	.51	490
JUNE 26...	84	13	.5	.65	.42	1.5	1.9	.84	.50	--
JULY 26...	--	9.3	--	2.0	.27	1.5	1.8	.59	.37	378
AUG. 29...	--	13	--	.79	.19	1.1	1.3	.97	.69	407
SEP. 20...	75	14	.4	1.9	.18	.92	1.1	.86	.52	--

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA,MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)
FEB. 26...	--	.21	274	--	--	--	213	--	6.9	--
APR. 25...	467	.64	99.6	300	37	1.1	730	50	5.6	--
MAY 23...	--	.67	54.2	--	--	--	728	--	5.1	--
JUNE 26...	442	.60	34.6	280	6	1.0	704	30	9.6	8
JULY 26...	--	.51	116	--	--	--	597	--	10	--
AUG. 29...	--	.55	19.8	--	--	--	630	--	3.0	--
SEP. 20...	402	.55	36.9	250	9	1.0	604	20	13	--

WATER QUALITY DATA, FEBRUARY 1973 TO SEPTEMBER 1973

[illegible]

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM- (COL. PER (31616)	STREP- TOCOCCI (COL- ONIES PER (31679)
FEB.								
26...	1200	650	7.2	.5	170	11.0	1200	18990
APR.								
25...	1050	79	7.9	13.5	60	7.0	460	--
MAY								
23...	1020	41	7.6	18.0	55	6.0	1100	340
JUNE								
26...	0940	29	7.6	24.5	60	4.6	2900	1200
JULY								
26...	0945	114	7.6	21.5	75	6.8	4700	7800
AUG.								
29...	1015	18	7.7	25.0	45	4.0	3400	500
SEP.								
20...	0945	34	7.7	15.0	50	7.8	10000	1800

LOCATION.--Lat 40°36'09", long 98°20'02", in NW¼NW¼SW¼ sec.3, T.7 N., R.9 W., Adams County, at bridge on county road 1.4 mi (2.3 km) north of U.S. Highway 6 and about 1.5 mi (2.4 km) northeast of Hastings.

PERIOD OF RECORD.--Chemical analyses: March 1973 to September 1973.

QUALITY OF WATER DATA, MARCH 1973 TO SEPTEMBER 1973

[illegible]

06880556 WEST FORK BIG BLUE RIVER BELOW HASTINGS, NEBR.--Continued

QUALITY OF WATER DATA, MARCH 1973 TO SEPTEMBER 1973

DATE	DIS- SOLVED SULFATE (504) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA GEN (N) (MG/L) (00610)	DIS- SOLVED NITRO- GEN (N) (MG/L) (00608)	ORGANIC GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)
MAR. 19...	--	--	--	--	--	--	--	--	--	--	--
APR. 18...	38	19	.5	2.4	.28	.28	.82	1.1	1.6	1.5	--
MAY 22...	--	28	--	2.5	.90	--	.90	1.8	3.2	3.0	285
JUNE 21...	--	22	--	3.7	1.1	--	.50	1.6	4.2	3.8	352
JULY 13...	51	21	.8	2.4	.19	--	1.0	1.2	1.4	1.2	--
AUG. 15...	--	11	--	1.8	.08	--	1.4	1.5	1.2	.86	229
SEP. 11...	--	22	--	3.1	.77	--	.53	1.3	2.5	2.3	268

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA+MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)	DIS- SOLVED ARSENIC (AS) (MG/L) (01000)
MAR. 19...	--	--	--	--	--	--	--	--	>9.4	--
APR. 18...	275	.37	12.1	150	1	1.1	441	20	4.7	--
MAY 22...	--	.39	9.08	--	--	--	452	--	9.0	--
JUNE 21...	--	.48	7.25	--	--	--	518	--	11	--
JULY 13...	315	.43	17.8	180	20	1.0	506	30	5.6	3
AUG. 15...	--	.31	22.3	--	--	--	331	--	8.9	--
SEP. 11...	--	.36	11.6	--	--	--	409	--	6.9	--

DATE	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (MG) (71900)	DIS- SOLVED MERCURY (MG) (71890)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)	DIS- SOLVED SILVER (AG) (UG/L) (01075)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
MAR. 19...	--	--	--	--	--	--	--	--	--	--
APR. 18...	60	--	--	--	--	--	--	--	--	--
MAY 22...	--	--	--	--	--	--	--	--	--	--
JUNE 21...	--	--	--	--	--	--	--	--	--	--
JULY 13...	140	1	0	12	3	70	5.0	3	0	40
AUG. 15...	--	--	--	--	--	--	--	--	--	--
SEP. 11...	--	--	--	--	--	--	--	--	--	--

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
MAR. 19...	1215	5.8	7.3	7.0	7	7.1	49990	10990
APR. 18...	1100	16	7.4	13.0	30	10.2	3300	--
MAY 22...	1030	12	7.2	17.0	15	7.8	7800	3100
JUNE 21...	1030	7.6	7.2	19.0	30	7.0	22990	5400
JULY 13...	1000	20	7.8	22.0	45	7.1	20000	5600
AUG. 15...	1010	35	7.4	22.0	50	6.3	23000	54000
SEP. 11...	1030	15	7.3	20.0	35	6.2	--	1300

KANSAS RIVER BASIN

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06880800 WEST FORK BIG BLUE RIVER NEAR DORCHESTER, NEBR.

LOCATION.--Lat 40°43'53", long 97°10'38", in NW¼SW¼ sec.23, T.9 N., R.2 E., Seward County, at gaging station on county road bridge, 6.2 mi (10.0 km) northwest of Dorchester.

DRAINAGE AREA.--1,206 mi² (3,124 km²).

PERIOD OF RECORD.--Chemical analyses: June 1963 to September 1970, February 1973 to September 1973.

WATER QUALITY DATA, FEBRUARY 1973 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SiO ₂) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO ₃) (MG/L) (00440)	CAR- BONATE (CO ₃) (MG/L) (00445)	ALKA- LINITAS AS CACO ₃ (MG/L) (00410)
FEB. 27...	115	--	--	--	--	--	--	--	--	--	--
APR. 25...	117	29	30	170	61	12	28	9.3	235	0	193
MAY 24...	89	--	--	--	--	--	--	--	--	--	--
JUNE 27...	79	29	20	20	66	12	33	9.1	265	0	217
JULY 27...	147	--	--	--	--	--	--	--	--	--	--
AUG. 30...	77	--	--	--	--	--	--	--	--	--	--
SEP. 21...	157	20	60	0	31	6.1	16	11	131	0	107

DATE	DIS- SOLVED SULFATE (SO ₄) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)
FEB. 27...	--	17	--	1.7	1.3	.90	2.2	1.1	.91	280
APR. 25...	57	17	.3	2.1	.14	1.1	1.2	.88	.56	--
MAY 24...	--	17	--	.53	.29	1.2	1.5	.65	.37	373
JUNE 27...	54	22	.5	.37	.16	1.8	2.0	.72	.45	--
JULY 27...	--	12	--	2.9	.40	2.0	2.4	.93	.56	260
AUG. 30...	--	27	--	1.3	.20	1.1	1.3	.96	.60	348
SEP. 21...	25	11	.4	1.3	.28	1.2	1.5	1.0	.49	--

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA+MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	RIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)
FEB. 27...	--	.38	86.9	--	--	--	418	--	3.0	--
APR. 25...	339	.46	107	200	9	.9	512	70	2.3	--
MAY 24...	--	.51	89.6	--	--	--	570	--	>4.3	--
JUNE 27...	358	.49	76.4	210	0	1.0	576	20	7.0	7
JULY 27...	--	.35	103	--	--	--	400	--	2.6	--
AUG. 30...	--	.47	72.3	--	--	--	562	--	3.2	--
SEP. 21...	191	.26	81.0	100	0	.7	297	100	2.0	--

KANSAS RIVER BASIN

06880800 WEST FORK BIG BLUE RIVER NEAR DORCHESTER, NEBR.--Continued

WATER QUALITY DATA, FEBRUARY 1973 TO SEPTEMBER 1973

[illegible]

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER (31616)	STREP- TOCOCCI (COL- ONIES PER (31679)
FEB. 27...	1350	115	7.6	3.0	70	11.3	430	2900
APR. 25...	1300	117	7.6	12.5	95	8.4	330	2100
MAY 24...	1010	89	7.6	16.5	45	8.5	590	420
JUNE 27...	0940	79	7.9	21.0	45	8.4	2600	1900
JULY 27...	0945	147	7.5	24.0	220	7.5	55000	35000
AUG. 30...	0945	77	7.8	24.0	75	7.1	1600	2200
SEP. 21...	0900	157	7.9	18.5	220	8.7	6900	1450

06881000 BIG BLUE RIVER NEAR CRETE, NEBR.

LOCATION.--Lat 40°35'47", long 96°57'36", in SW¹/₄SE¹/₄ sec.3, T.7 N., R.4 E., Saline County, temperature recorder at gaging station at highway bridge 1.8 mi (2.9 km) south of Missouri Pacific Railroad station in Crete, 3.3 mi (5.3 km) downstream from Walnut Creek, and 3.6 mi (5.8 km) upstream from Squaw Creek.

DRAINAGE AREA.--2,716 mi² (7,034 km²).

PERIOD OF RECORD.--Chemical analyses: May 1961 to September 1963, Apr. 1973 to Sept. 1973.

Water temperatures: October 1961 to September 1962, April 1968 to September 1973.

Sediment records: October 1961 to September 1962.

EXTREMES.--1972-73:

Water temperatures: Maximum, 30.5°C July 11, 12; minimum, freezing point on several days during January to February.

Period of record:

Water temperatures: Maximum, 30.5°C July 9, 1972 and July 11, 12, 1973; minimum, freezing point on many days during winter period.

WATER QUALITY DATA, APRIL 1973 TO SEPTEMBER 1973

[illegible]

KANSAS RIVER BASIN

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06881000 BIG BLUE RIVER NEAR CRETE, NEBR.--Continued

WATER QUALITY DATA, APRIL 1973 TO SEPTEMBER 1973

DATE	DIS- SOLVED SULFATE (SO ₄) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L) (00608)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L) (00607)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOLVED KJEL- DAHL NITRO- GEN (N) (MG/L) (00623)
APR. 26...	--	17	--	2.1	.27	--	1.0	--	1.3	.81	--
MAY 24...	--	17	--	.59	.37	--	1.7	--	2.1	.76	--
JUNE 01...	28	6.4	.4	2.5	--	.39	--	1.1	6.5	1.5	1.5
JULY 27...	--	12	--	2.5	.27	--	1.9	--	2.2	.86	--
AUG. 30...	--	20	--	1.1	.27	--	1.3	--	1.6	.71	--
SEP. 21...	--	11	--	1.4	.45	--	1.8	--	2.2	1.0	--

DATE	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (PER AC-FT) (MG/L) (70303)	DIS- SOLVED SOLIDS (PER DAY) (MG/L) (70302)	HARD- NESS (CA, MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (MG/L) (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)
APR. 26...	.51	404	--	.55	242	--	--	--	617	--	9.2
MAY 24...	.38	416	--	.57	204	--	--	--	644	--	16
JUNE 01...	.34	--	135	.18	758	61	5	.5	195	0	11
JULY 27...	.52	296	--	.40	228	--	--	--	466	--	10
AUG. 30...	.59	369	--	.50	96.6	--	--	--	577	--	2.7
SEP. 21...	.52	216	--	.29	178	--	--	--	317	--	9.7

DATE	DDD IN FILT. FRAC. (UG/L) (39361)	DDD IN SUSP. FRAC. (UG/L) (39362)	DDE IN FILT. FRAC. (UG/L) (39366)	DDE IN SUSP. FRAC. (UG/L) (39367)	DDT IN FILT. FRAC. (UG/L) (39371)	DDT IN SUSP. FRAC. (UG/L) (39372)	DI- AZINON IN FILT. FRAC. (UG/L) (39572)	DI- AZINON IN SUSP. FRAC. (UG/L) (39573)	DI- ELDRIN IN FILT. FRAC. (UG/L) (39381)	DI- ELDRIN IN SUSP. FRAC. (UG/L) (39382)	ENDRIN IN FILT. FRAC. (UG/L) (39391)
JUNE 01...	.00	.00	.00	.01	.00	.00	.00	.01	.00	.03	.00

DATE	ENDRIN IN SUSP. FRAC. (UG/L) (39392)	HEPTA- CHLOR IN FILT. FRAC. (UG/L) (39411)	HEPTA- CHLOR IN SUSP. FRAC. (UG/L) (39412)	HEPTA- CHLOR EPOXIDE IN FILT. FRAC. (UG/L) (39421)	HEPTA- CHLOR EPOXIDE IN SUSP. FRAC. (UG/L) (39422)	LINDANE IN FILT. FRAC. (UG/L) (39341)	LINDANE IN SUSP. FRAC. (UG/L) (39342)	MALA- THION IN FILT. FRAC. (UG/L) (39532)	MALA- THION IN SUSP. FRAC. (UG/L) (39533)	METHYL PARA- THION IN FILT. FRAC. (UG/L) (39602)	METHYL PARA- THION IN SUSP. FRAC. (UG/L) (39603)
JUNE 01...	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00

DATE	PARA- THION IN FILT. FRAC. (UG/L) (39542)	PARA- THION IN SUSP. FRAC. (UG/L) (39543)	PCB IN FILT. FRAC. (UG/L) (39517)	PCB IN SUSP. FRAC. (UG/L) (39518)	2,4-D IN FILT. FRAC. (UG/L) (39732)	2,4-D IN SUSP. FRAC. (UG/L) (39733)	2,4,5-T IN FILT. FRAC. (UG/L) (39742)	2,4,5-T IN SUSP. FRAC. (UG/L) (39743)	SILVEX IN FILT. FRAC. (UG/L) (39762)	SILVEX IN SUSP. FRAC. (UG/L) (39763)
JUNE 01...	.00	.00	.0	.0	.09	.00	.02	.00	.00	.00

DATE	SUS- PENDE D ARSE- NIC (AS) (UG/L) (01001)	DIS- SOLVED ARSE- NIC (AS) (UG/L) (01000)	DIS- SOLVED BORON (B) (UG/L) (01020)	SUS- PENDE D CAD- MIUM (CD) (UG/L) (01026)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	SUS- PENDE D CHRO- MIUM (CR) (UG/L) (01031)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	SUS- PENDE D COPPER (CU) (UG/L) (01041)	DIS- SOLVED COPPER (CU) (UG/L) (01040)	SUS- PENDE D LEAD (PB) (UG/L) (01050)	DIS- SOLVED LEAD (PB) (UG/L) (01049)
JUNE 01...	6	4	80	<10	<10	30	0	140	36	100	1

KANSAS RIVER BASIN

06881000 BIG BLUE RIVER NEAR CRETE, NEBR.--Continued

WATER QUALITY DATA, APRIL 1973 TO SEPTEMBER 1973

DATE	SUS- PENDE MERCURY (MG) (UG/L) (71895)	DIS- SOLVED MERCURY (MG) (UG/L) (71890)	SUS- PENDE SELE- NIUM (SE) (UG/L) (01146)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)	DIS- SOLVED SILVER (AG) (UG/L) (01075)	SUS- PENDE ZINC (ZN) (UG/L) (01091)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)	ALDRIN IN FILT. FRAC. (UG/L) (39331)	ALDRIN IN SUSP. FRAC. (UG/L) (39332)	CHLOR- DANE IN FILT. FRAC. (UG/L) (39352)	CHLOR- DANE IN SUSP. FRAC. (UG/L) (39353)
JUNE 01...	.1	.3	1	8	0	150	30	.00	.00	.0	.0

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
APR. 26...	1130	222	7.6	11.5	85	8.5	5300	2300
MAY 24...	1115	182	7.6	18.0	50	7.8	7000	5000
JUNE 01...	1130	2080	7.2	22.0	850	6.8	25990	2300
JULY 27...	1100	285	7.7	23.5	160	7.3	94000	3550
AUG. 30...	1150	97	7.7	25.0	80	6.8	52000	12200
SEP. 21...	1115	306	7.6	20.0	240	7.1	174000	2840

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973
(RECORDER WITH TEMPERATURE ATTACHMENT, CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	15.0	12.0	5.0	4.0	4.0	3.0	2.0	1.5	2.5	1.0	4.0	3.0
2	16.0	14.5	7.5	5.5	4.0	3.5	2.0	1.5	4.0	1.0	4.5	3.5
3	16.0	15.0	8.0	6.5	3.5	1.0	2.0	1.5	1.0	0.0	4.5	3.5
4	17.0	14.5	7.0	5.5	1.0	1.0	2.0	1.0	1.0	0.5	3.5	3.0
5	15.5	15.0	7.5	5.5	1.0	0.5	2.0	1.0	1.0	0.5	3.5	3.0
6	15.5	13.5	9.0	7.0	0.5	0.5	0.0	0.0	3.0	1.0	5.5	3.5
7	13.5	10.5	9.0	7.0	0.5	0.5	1.0	0.0	2.0	1.0	6.5	4.5
8	14.0	11.5	9.0	7.0	1.0	0.5	1.0	0.5	1.0	0.0	6.5	5.5
9	14.0	11.5	8.5	7.0	0.5	0.5	0.5	0.0	1.0	0.0	6.0	5.5
10	15.5	13.0	7.0	6.5	0.5	0.5	1.0	0.0	3.0	0.0	5.5	5.5
11	15.5	14.0	6.5	5.5	0.5	0.5	1.0	0.5	3.0	0.0	5.5	4.5
12	14.0	13.5	6.5	6.5	1.0	0.5	1.0	0.5	3.5	0.5	8.0	5.0
13	13.5	12.0	6.5	2.0	1.0	0.5	1.0	0.5	3.5	1.0	8.5	7.0
14	13.5	12.0	2.0	1.5	0.5	0.5	1.0	0.5	1.5	0.0	9.0	8.0
15	12.0	10.5	2.0	1.5	1.0	0.5	2.0	1.5	2.5	1.0	9.0	8.0
16	13.0	10.0	2.0	1.5	0.5	0.5	2.0	1.5	2.0	1.0	8.0	6.5
17	12.0	10.0	3.0	2.0	1.5	0.5	1.5	1.0	2.5	1.0	7.0	5.5
18	11.0	9.0	3.0	3.0	2.0	1.0	1.5	1.0	3.0	1.0	8.0	5.5
19	10.0	8.0	3.5	3.0	2.0	1.5	1.0	0.0	3.0	1.0	8.0	6.5
20	8.0	7.0	3.5	3.5	3.5	2.0	1.5	1.0	2.0	0.5	8.0	5.5
21	9.0	8.0	4.0	3.5	3.0	2.0	2.0	1.0	1.0	0.0	9.0	6.5
22	8.0	7.0	4.0	3.0	3.0	2.0	2.0	1.0	2.0	0.0	8.5	7.0
23	10.0	7.0	3.5	3.0	2.0	1.5	2.0	1.5	3.0	1.0	8.0	7.0
24	9.0	7.0	3.5	3.0	2.0	1.5	2.0	1.5	2.0	1.5	8.0	7.0
25	9.0	7.0	4.0	3.0	3.0	2.0	2.0	1.5	1.5	1.0	8.0	7.0
26	10.0	8.0	3.5	2.0	3.0	1.5	3.0	1.0	1.0	1.0	10.5	8.5
27	10.0	8.0	3.0	2.0	3.5	1.5	3.0	1.0	1.0	0.5	11.0	9.0
28	8.0	7.0	2.0	1.5	3.0	1.5	1.0	0.5	3.0	0.5	10.0	7.0
29	8.0	7.0	2.0	1.5	3.0	2.0	1.0	0.5	---	---	9.0	7.0
30	9.0	7.0	3.0	2.0	2.0	1.5	0.5	0.0	---	---	7.0	5.0
31	5.0	4.0	---	---	2.0	1.5	2.0	0.5	---	---	9.0	8.0
MONTH	16.0	4.0	9.0	1.5	4.0	0.5	3.0	0.0	4.0	0.0	11.0	3.0

KANSAS RIVER BASIN

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06881000 BIG BLUE RIVER NEAR CRETE, NEBR.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	7.5	6.5	11.0	8.5	23.5	21.0	4.0	26.0	26.0	23.0	25.0	22.5
2	9.5	7.5	13.0	10.0	23.5	21.5	27.0	24.0	25.5	22.0	25.5	22.5
3	9.5	7.5	16.0	13.0	24.0	21.0	29.0	26.0	26.5	22.5	25.5	22.0
4	10.5	7.5	17.0	14.5	22.5	20.5	31.0	27.5	26.5	23.0	24.5	22.5
5	12.5	9.5	11.0	9.0	22.0	19.5	28.5	25.5	26.5	23.0	23.5	23.0
6	14.5	12.0	14.5	13.0	23.5	20.5	30.0	26.5	26.0	22.5	24.0	22.5
7	9.5	7.0	18.5	15.5	24.5	22.5	29.5	26.5	26.0	23.5	24.0	23.0
8	6.0	3.0	20.5	17.5	25.5	22.5	29.0	26.5	27.5	23.0	23.0	22.0
9	7.0	4.5	20.0	17.5	26.0	23.5	30.0	27.5	28.5	25.0	22.5	22.0
10	9.0	5.5	19.5	16.5	25.5	21.0	30.0	26.5	28.5	24.5	23.0	21.5
11	11.5	8.5	19.0	16.5	24.0	23.0	30.5	27.5	28.5	25.0	23.0	22.0
12	13.5	10.0	17.0	14.0	23.0	21.5	31.5	26.5	28.5	25.0	22.5	19.5
13	13.5	10.0	16.5	13.5	23.0	21.5	29.0	26.5	28.5	25.0	19.5	18.5
14	14.0	11.5	17.0	13.5	25.0	23.0	28.0	24.5	27.5	23.5	20.0	17.5
15	12.0	9.0	13.5	10.0	27.5	24.5	26.5	23.5	27.5	24.0	20.0	17.5
16	11.0	9.0	18.0	15.0	26.0	23.5	26.5	23.0	28.0	24.5	17.5	15.0
17	15.5	11.5	19.5	15.5	26.0	23.0	26.5	23.0	28.0	25.0	15.0	13.5
18	17.0	14.5	22.0	19.0	22.5	20.0	27.5	24.0	28.0	24.0	14.5	12.5
19	14.5	12.5	24.0	21.0	20.0	17.5	27.0	24.0	28.5	24.0	16.0	14.0
20	14.0	11.5	22.5	19.5	20.5	18.0	24.0	21.0	28.5	25.5	16.5	15.5
21	14.5	12.5	23.0	22.0	22.5	19.5	21.0	19.5	28.5	25.0	20.5	16.5
22	15.0	12.0	22.5	19.5	25.0	21.0	20.5	19.5	28.5	24.5	20.5	18.5
23	17.5	14.0	26.5	22.5	26.5	23.5	22.5	20.0	28.0	24.5	20.5	19.0
24	16.0	13.0	19.0	15.0	27.5	24.0	23.0	22.0	25.5	23.5	19.5	19.5
25	15.0	12.0	21.0	17.0	30.0	26.5	23.0	22.0	27.0	23.0	20.0	18.0
26	14.0	11.5	18.0	16.0	28.0	25.5	25.0	21.5	27.5	24.0	20.0	18.0
27	15.5	12.5	15.0	14.0	29.5	27.0	25.0	23.5	27.5	23.5	18.0	17.0
28	17.0	13.5	18.0	15.0	26.0	23.0	26.5	23.0	27.0	23.5	17.0	16.0
29	18.0	15.5	17.0	16.0	27.0	23.5	27.5	24.5	27.0	23.5	16.5	16.5
30	14.5	12.5	20.0	17.0	27.0	24.0	27.5	25.0	27.5	24.0	17.0	16.5
31	---	---	22.5	20.0	---	---	27.0	23.0	27.0	23.5	---	---
MONTH	18.0	3.0	26.5	8.5	30.0	17.5	31.0	19.5	28.5	22.0	25.5	12.5

WATER QUALITY DATA, APRIL 1973 TO SEPTEMBER 1973

DATE	TIME	TEMPERATURE (DEG C) (000610)	DISE- CHARGE (CFS) (000660)	SUS- PENDE- SEDIMENT (MG/L) (80154)	SUS- PENDE- SEDIMENT DIS- CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .016 MM (70340)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)
JUNE 01...	1130	22.0	2260	1940	11800	58	78	98	99	100
				NUMBER OF SAM- PLING POINTS (000663)	DIS- CHARGE (CFS) (000660)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	
JUNE 01...	1130		3	2260		2	8	35	57	
						BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. FALL DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. FALL DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. FALL DIAM. % FINER THAN 16.0 MM (80172)
JUNE 01...			84	95		98	99	99	100	

KANSAS RIVER BASIN

06881200 TURKEY CREEK NEAR WILBER, NEBR.

LOCATION.--Lat 40°28'48", 97°00'43", in NE¼NE¼ sec.19, T.6 N., R.4 E., Saline County, at gaging station at bridge on State Highway 41 and 2.8 mi (4.5 km) west of Wilber.

DRAINAGE AREA.--460 mi² (1,191 km²).

PERIOD OF RECORD.--Chemical analyses: October 1965 to September 1970, March 1973 to September 1973.

WATER QUALITY DATA, MARCH 1973 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SI02) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)
MAR. 07...	56	--	--	--	--	--	--	--	--	--
APR. 24...	46	19	20	110	47	10	25	9.6	172	0
MAY 15...	45	--	--	--	--	--	--	--	--	--
JUNE 27...	21	24	20	20	69	15	35	10	298	0
JULY 24...	120	--	--	--	--	--	--	--	--	--
AUG. 30...	14	--	--	--	--	--	--	--	--	--
SEP. 21...	25	16	60	0	21	5.0	13	12	93	0

DATE	ALKA- LITY AS CAC03 (MG/L) (00410)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KUEL- DAHL NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)
MAR. 07...	--	--	15	--	.86	.79	1.3	2.1	.76	.43
APR. 24...	141	59	18	.3	1.0	.22	2.4	2.6	.81	.39
MAY 15...	--	--	17	--	1.7	1.4	.80	2.2	.78	.21
JUNE 27...	244	65	20	.5	.06	.11	1.2	1.3	.57	.44
JULY 24...	--	--	9.3	--	.61	.56	2.8	3.4	.88	.31
AUG. 30...	--	--	26	--	.13	.20	.90	1.1	.54	.48
SEP. 21...	76	21	11	.3	.89	.48	1.0	1.5	.94	.50

DATE	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA,MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)
MAR. 07...	285	--	.39	43.1	--	--	--	416	--	3.9
APR. 24...	--	277	.38	34.4	160	17	.9	441	60	3.5
MAY 15...	256	--	.35	31.1	--	--	--	401	--	3.2
JUNE 27...	--	386	.53	21.9	230	0	1.0	615	20	3.5
JULY 24...	211	--	.29	68.4	--	--	--	283	--	2.9
AUG. 30...	352	--	.48	13.3	--	--	--	553	--	2.6
SEP. 21...	--	149	.20	10.1	73	0	.7	231	200	2.5

06881200 TURKEY CREEK NEAR WILBER, NEBR.--Continued

WATER QUALITY DATA, MARCH 1973 TO SEPTEMBER 1973

DATE	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)	DIS- SOLVED SILVER (AG) (UG/L) (01075)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
MAR. 07...	--	--	--	--	--	--	--	--	--	--
APR. 24...	--	60	--	--	--	--	--	--	--	--
MAY 15...	--	--	--	--	--	--	--	--	--	--
JUNE 27...	9	70	0	0	10	3	.0	4	0	10
JULY 24...	--	--	--	--	--	--	--	--	--	--
AUG. 30...	--	--	--	--	--	--	--	--	--	--
SEP. 21...	--	70	--	--	--	--	--	--	--	--

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL- ONIES PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
MAR. 07...	1020	56	7.6	7.5	100	10.7	530	9000
APR. 24...	1420	46	7.5	19.0	240	7.5	760	9600
MAY 15...	1415	45	7.2	16.5	240	8.3	3400	1700
JUNE 27...	1050	21	7.7	22.5	50	7.6	1300	2300
JULY 24...	1600	120	7.1	23.0	360	7.0	14300	7400
AUG. 30...	1045	14	7.7	24.0	60	6.4	400	1700
SEP. 21...	1015	25	7.7	18.5	200	8.1	4000	1650

06881502 BIG BLUE RIVER BELOW BEATRICE, NEBR.

LOCATION.--Lat 40°14'55", long 96°42'46", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.2, T.3 N., R.6 E., Gage County, at pipeline bridge about 2.0 mi (3.2 km) downstream from bridge on U.S. Highway 77, about 1.3 mi (2.1 km) southeast of Beatrice.

PERIOD OF RECORD.--Chemical analyses: March 1973 to September 1973.

WATER QUALITY DATA, MARCH 1973 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SIO ₂) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO ₃) (MG/L) (00440)	CAR- BONATE (CO ₃) (MG/L) (00445)	ALKA- LINITY AS CA _{CO} ₃ (MG/L) (00410)
MAR. 01...	761	--	--	--	--	--	--	--	--	--	--
APR. 24...	500	22	50	70	60	13	38	9.9	221	0	181
MAY 15...	503	--	--	--	--	--	--	--	--	--	--
JUNE 13...	400	24	40	20	53	12	37	12	214	0	176
JULY 24...	884	--	--	--	--	--	--	--	--	--	--
AUG. 09...	191	--	--	--	--	--	--	--	--	--	--
SEP. 25...	730	12	--	--	19	4.2	13	8.7	74	0	61

KANSAS RIVER BASIN

06881502 BIG BLUE RIVER BELOW BEATRICE, NEBR.--Continued

WATER QUALITY DATA, MARCH 1973 TO SEPTEMBER 1973

DATE	DIS- SOLVED SULFATE (S04) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL- NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)
MAR. 01...	--	14	--	1.1	1.5	1.3	2.8	.92	.55	224
APR. 24...	71	31	.3	2.0	.22	2.6	2.8	.86	.46	--
MAY 15...	--	27	--	2.3	.95	.85	1.8	.83	.45	339
JUNE 13...	50	28	.5	2.3	.09	1.8	1.9	.85	.48	--
JULY 24...	--	16	--	2.8	.28	2.5	2.8	.77	.41	259
AUG. 09...	--	44	--	1.1	.42	1.1	1.5	.77	.59	402
SEP. 25...	25	14	.4	.03	4.1	2.6	6.7	1.1	.07	180

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA, MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)
MAR. 01...	--	.30	460	--	--	--	313	--	5.2	--
APR. 24...	363	.49	490	200	22	1.2	580	40	8.8	--
MAY 15...	--	.46	460	--	--	--	530	--	2.5	--
JUNE 13...	332	.45	359	180	6	1.2	536	80	2.5	6
JULY 24...	--	.35	618	--	--	--	374	--	2.5	--
AUG. 09...	--	.55	207	--	--	--	648	--	4.2	--
SEP. 25...	133	.24	355	65	4	.7	200	300	7.9	--

DATE	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)	DIS- SOLVED SILVER (AG) (UG/L) (01075)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
MAR. 01...	--	--	--	--	--	--	--	--	--	--
APR. 24...	110	--	--	--	--	--	--	--	--	--
MAY 15...	--	--	--	--	--	--	--	--	--	--
JUNE 13...	140	1	0	10	4	.3	.2	6	0	20
JULY 24...	--	--	--	--	--	--	--	--	--	--
AUG. 09...	--	--	--	--	--	--	--	--	--	--
SEP. 25...	130	--	--	--	--	--	--	--	--	--

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
MAR. 01...	1415	761	7.6	6.0	180	11.0	2000	4200
APR. 24...	0945	500	7.6	16.5	180	8.0	500	750
MAY 15...	1010	503	7.4	14.5	160	8.6	2600	1300
JUNE 13...	1115	400	7.6	23.5	210	6.8	1000	1400
JULY 24...	0945	884	7.5	22.0	260	7.0	15000	6000
AUG. 09...	1100	191	7.7	26.5	40	6.5	12600	4800
SEP. 25...	1030	730	7.4	18.0	600	7.3	26000	68000

KANSAS RIVER BASIN

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06884025 LITTLE BLUE RIVER AT HOLLENBERG, KANS.

LOCATION.--Lat 39°58'49", long 97°00'14", in NE¼SW¼ sec.8, T.15 N., R.4 E., Washington County, at gaging station on county road 0.6 mi (1.0 km) west of Hollenberg.

PERIOD OF RECORD.--Chemical analyses: July 1972 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SI02) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MANGANESE (MN) (UG/L) (01056)	DIS-SOLVED CALCIUM (CA) (MG/L) (00915)	DIS-SOLVED MAGNESIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CAC03 (MG/L) (00410)	DIS-SOLVED SULFATE (S04) (MG/L) (00945)
JAN. 18...	--	--	--	--	21	3.3	8.7	8.0	--	--	--	16
MAR. 07...	372	--	--	--	--	--	--	--	--	--	--	--
MAR. 27...	--	--	--	--	25	3.6	7.4	9.1	--	--	--	21
APR. 24...	485	23	30	30	40	11	35	8.4	254	0	208	72
MAY 15...	400	--	--	--	--	--	--	--	--	--	--	--
JUNE 05...	3390	11	240	20	15	2.7	5.8	9.2	56	0	46	11
JUNE 19...	--	--	--	--	76	11	39	8.6	--	--	--	50
JULY 18...	--	--	--	--	34	5.8	13	12	--	--	--	20
JULY 24...	975	--	--	--	--	--	--	--	--	--	--	--
AUG. 09...	247	--	--	--	--	--	--	--	--	--	--	--
SEP. 05...	--	--	--	--	19	5.9	6.1	9.5	--	--	--	9.8
SEP. 25...	343	24	--	--	55	8.6	27	9.3	193	0	158	33

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUORIDE (F) (MG/L) (00950)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L) (00608)	ORGANIC NITROGEN (N) (MG/L) (00605)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L) (00607)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DIS-SOLVED KJELDAHL NITROGEN (N) (MG/L) (00623)
JAN. 18...	10	.4	1.4	.05	1.4	1.2	1.2	--	--	--	--	--
MAR. 07...	29	--	--	--	1.2	.23	--	.97	--	1.2	.46	--
MAR. 27...	7.1	.3	1.2	.04	1.2	1.8	--	--	--	--	--	--
APR. 24...	33	.4	--	--	1.5	.11	--	1.2	--	1.3	.54	--
MAY 15...	33	--	--	--	1.3	.30	--	.63	--	.93	.32	--
JUNE 05...	6.4	1.0	--	--	2.4	--	.25	--	1.1	11	1.9	1.3
JUNE 19...	40	.3	.02	.00	.02	.21	--	--	--	--	--	--
JULY 18...	13	1.1	6.8	.10	6.9	--	--	--	--	--	--	--
JULY 24...	16	--	--	--	2.9	.41	--	2.3	--	2.7	.57	--
AUG. 09...	38	--	--	--	.29	.41	--	1.4	--	1.8	.50	--
SEP. 05...	5.7	.6	1.9	.02	1.9	4.7	--	--	--	--	--	--
SEP. 25...	25	.3	--	--	1.0	.23	--	.75	--	.98	.71	--

DATE	DIS-SOLVED PHOSPHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SOL OF CONSTITUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (PER AC-FT) (MG/L) (70303)	DIS-SOLVED SOLIDS (PER DAY) (MG/L) (70302)	HARDNESS (CA+MG) (MG/L) (00900)	NON-CARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)	SPECIFIC CONDUCTANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	COLOR (PLATINUM-COBALT UNITS) (00080)	BIO-CHEMICAL OXYGEN DEMAND (MG/L) (00310)
JAN. 18...	--	166	--	.23	--	66	--	.5	207	7.0	--	2.2
MAR. 07...	.24	377	--	.51	379	--	--	--	579	--	--	2.0
MAR. 27...	--	181	--	.25	--	77	--	.4	243	7.0	--	2.6
APR. 24...	.31	--	355	.48	465	150	0	1.3	633	7.8	30	2.8
MAY 15...	.18	406	--	.55	438	--	--	--	643	--	--	2.6
JUNE 05...	.27	--	101	.14	924	49	3	.4	146	7.1	900	3.1
JUNE 19...	--	438	--	.60	--	240	--	1.1	634	8.1	--	3.3
JULY 18...	--	200	--	.27	--	110	--	.5	310	7.2	--	3.0
JULY 24...	.29	236	--	.32	621	--	--	--	356	--	--	8.3
AUG. 09...	.31	364	--	.50	243	--	--	--	580	--	--	9.4
SEP. 05...	--	118	--	.16	--	72	--	.3	152	7.0	--	1.7
SEP. 25...	.42	264	282	.36	244	170	14	.9	472	8.0	30	3.0

KANSAS RIVER BASIN

06884025 LITTLE BLUE RIVER AT HOLLENBERG, KANS.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DDD IN FILT. FRAC. (UG/L) (39361)	DDD IN SUSP. FRAC. (UG/L) (39362)	DDE IN FILT. FRAC. (UG/L) (39366)	DDE IN SUSP. FRAC. (UG/L) (39367)	DDT IN FILT. FRAC. (UG/L) (39371)	DDT IN SUSP. FRAC. (UG/L) (39372)	DI- AZINON IN FILT. FRAC. (UG/L) (39572)	DI- AZINON IN SUSP. FRAC. (UG/L) (39573)	DI- ELDRIN IN FILT. FRAC. (UG/L) (39381)	DI- ELDRIN IN SUSP. FRAC. (UG/L) (39382)	ENDRIN IN FILT. FRAC. (UG/L) (39391)
JUNE 05...	.00	.00	.00	.01	.00	.02	.07	.00	.01	.03	.00
DATE	ENDRIN IN SUSP. FRAC. (UG/L) (39392)	HEPTA- CHLOR IN FILT. FRAC. (UG/L) (39411)	HEPTA- CHLOR IN SUSP. FRAC. (UG/L) (39412)	HEPTA- CHLOR EPOXIDE IN FILT. FRAC. (UG/L) (39421)	HEPTA- CHLOR EPOXIDE IN SUSP. FRAC. (UG/L) (39422)	LINDANE IN FILT. FRAC. (UG/L) (39341)	LINDANE IN SUSP. FRAC. (UG/L) (39342)	MALA- THION IN FILT. FRAC. (UG/L) (39532)	MALA- THION IN SUSP. FRAC. (UG/L) (39533)	METHYL PARA- THION IN FILT. FRAC. (UG/L) (39602)	METHYL PARA- THION IN SUSP. FRAC. (UG/L) (39603)
JUNE 05...	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00
DATE	PARA- THION IN FILT. FRAC. (UG/L) (39542)	PARA- THION IN SUSP. FRAC. (UG/L) (39543)	PCB IN FILT. FRAC. (UG/L) (39517)	PCB IN SUSP. FRAC. (UG/L) (39518)	2,4-D IN FILT. FRAC. (UG/L) (39732)	2,4-D IN SUSP. FRAC. (UG/L) (39733)	2,4,5-T IN FILT. FRAC. (UG/L) (39742)	2,4,5-T IN SUSP. FRAC. (UG/L) (39743)	SILVEX IN FILT. FRAC. (UG/L) (39762)	SILVEX IN SUSP. FRAC. (UG/L) (39763)	
JUNE 05...	.00	.00	.0	.0	.00	.00	.00	.00	.00	.00	
DATE	SUS- PENDE ARSENIC (AS) (UG/L) (01001)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)	DIS- SOLVED BORON (B) (UG/L) (01020)	SUS- PENDE CAD- MIUM (CD) (UG/L) (01026)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	SUS- PENDE CHRO- MIUM (CR) (UG/L) (01031)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	SUS- PENDE COPPER (CU) (UG/L) (01041)	DIS- SOLVED COPPER (CU) (UG/L) (01040)	SUS- PENDE LEAD (PB) (UG/L) (01050)	DIS- SOLVED LEAD (PB) (UG/L) (01049)
APR. 24...	--	--	80	--	--	--	--	--	--	--	--
JUNE 05...	20	4	60	0	5	70	0	100	20	100	1
SEP. 25...	--	--	100	--	--	--	--	--	--	--	--
DATE	SUS- PENDE MERCURY (HG) (UG/L) (71895)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	SUS- PENDE SELE- NIUM (SE) (UG/L) (01146)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)	DIS- SOLVED SILVER (AG) (UG/L) (01075)	SUS- PENDE ZINC (ZN) (UG/L) (01091)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)	ALDRIN IN FILT. FRAC. (UG/L) (39331)	ALDRIN IN SUSP. FRAC. (UG/L) (39332)	CHLOR- DANE IN FILT. FRAC. (UG/L) (39352)	CHLOR- DANE IN SUSP. FRAC. (UG/L) (39353)
APR. 24...	--	--	--	--	--	--	--	--	--	--	--
JUNE 05...	.3	.1	7	4	0	290	60	.00	.00	.0	.0
SEP. 25...	--	--	--	--	--	--	--	--	--	--	--

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. 100 ML) (31616)	STREP- TOCOCCI (COL. 100 ML) (31679)
JAN. 18...	1315	--	7.6	1.5	--	10.8	N0	860
MAR. 07...	1400	372	7.9	11.0	85	10.5	12990	4100
MAR. 27...	0945	--	7.3	9.5	--	8.8	630	8400
APR. 24...	1140	485	7.5	16.5	75	8.4	5500	3700
MAY 15...	1130	400	7.3	16.0	50	9.2	9999	1300
JUNE 05...	1100	3390	6.9	18.5	1500	6.9	40990	11990
JULY 24...	1310	975	7.4	22.0	330	7.8	17700	14000
AUG. 09...	1230	247	8.2	27.0	60	12.0	4600	3050
SEP. 25...	1300	343	7.8	20.0	63	8.2	9000	10200

KANSAS RIVER BASIN

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06884025 LITTLE BLUE RIVER AT HOLLENBERG, KANS.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	DIS- CHARGE (CFS) (00060)	SUS- PENDE- SEDIM- ENT (MG/L) (80154)	SUS- PENDE- SEDIM- ENT (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN (70337)	SUS. SED. FALL DIAM. % FINER THAN (70338)	SUS. SED. FALL DIAM. % FINER THAN (70340)	SUS. SED. FALL DIAM. % FINER THAN (70342)	SUS. SED. FALL DIAM. % FINER THAN (70343)	SUS. SED. FALL DIAM. % FINER THAN (70344)	SUS. SED. FALL DIAM. % FINER THAN (70345)
JUNE 05...	1245	18.5	3390	5090	46600	40	57	74	95	98	99	100

DATE	TIME	NUMBER OF SAM- PLING POINTS (00063)	DIS- CHARGE (CFS) (00060)	BED MAT. FALL DIAM. % FINER THAN (80159)	BED MAT. FALL DIAM. % FINER THAN (80160)	BED MAT. FALL DIAM. % FINER THAN (80161)	BED MAT. FALL DIAM. % FINER THAN (80162)	BED MAT. FALL DIAM. % FINER THAN (80169)	BED MAT. FALL DIAM. % FINER THAN (80170)	BED MAT. FALL DIAM. % FINER THAN (80171)	BED MAT. FALL DIAM. % FINER THAN (80172)	BED MAT. FALL DIAM. % FINER THAN (80173)
JUNE 05...	1245	6	3390	0	11	56	81	87	92	94	95	100

ANALYSES OF SAMPLES COLLECTED AT PARTIAL-RECORD WATER-QUALITY STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SIO ₂) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO ₃) (MG/L) (00440)
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NIOBRARA RIVER BASIN

06462450 - PLUM CREEK AT JOHNSTOWN, NEBR (LAT 42 34 08 LONG 100 06 22)

APR., 1973	24...	1150	33	42	60	0	29	5.2	15	7.4	146
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06462470 - PLUM CREEK NEAR JOHNSTOWN, NEBR (LAT 42 40 01 LONG 100 03 26)

APR., 1973	24...	1240	87	49	50	0	29	4.5	13	6.8	134
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06463090 - BONE CREEK AT AINSWORTH, NEBR (LAT 42 32 51 LONG 099 52 33)

APR., 1973	24...	1530	5.2	38	200	40	23	4.6	10	5.1	103
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06463350 - BONE CREEK NEAR LONG PINE, NEBR (LAT 42 40 16 LONG 099 46 06)

APR., 1973	24...	1430	34	43	50	10	28	4.2	11	6.3	122
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DATE	CAR- BONATE (CO ₃) (MG/L) (00445)	ALKA- LITY AS CACO ₃ (MG/L) (00410)	DIS- SOLVED SULFATE (SO ₄) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS- SOLVED VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)
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06462450 - PLUM CREEK AT JOHNSTOWN, NEBR (LAT 42 34 08 LONG 100 06 22)

APR., 1973	24...	0	120	4.2	2.6	.6	.25	.10	80	179
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06462470 - PLUM CREEK NEAR JOHNSTOWN, NEBR (LAT 42 40 01 LONG 100 03 26)

APR., 1973	24...	0	110	4.1	2.2	.5	.32	.09	50	177
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06463090 - BONE CREEK AT AINSWORTH, NEBR (LAT 42 32 51 LONG 099 52 33)

APR., 1973	24...	0	84	6.0	3.5	.3	1.1	.23	40	146
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06463350 - BONE CREEK NEAR LONG PINE, NEBR (LAT 42 40 16 LONG 099 46 06)

APR., 1973	24...	0	100	5.2	4.1	.2	.85	.31	50	166
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DATE	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA, MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
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06462450 - PLUM CREEK AT JOHNSTOWN, NEBR (LAT 42 34 08 LONG 100 06 22)

APR., 1973	24...	.24	15.9	94	0	.7	249	7.7	12.0	30
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06462470 - PLUM CREEK NEAR JOHNSTOWN, NEBR (LAT 42 40 01 LONG 100 03 26)

APR., 1973	24...	.24	41.6	91	0	.6	234	7.8	13.0	30
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06463090 - BONE CREEK AT AINSWORTH, NEBR (LAT 42 32 51 LONG 099 52 33)

APR., 1973	24...	.20	2.05	76	0	.5	186	7.5	10.5	40
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06463350 - BONE CREEK NEAR LONG PINE, NEBR (LAT 42 40 16 LONG 099 46 06)

APR., 1973	24...	.23	15.2	87	0	.5	224	8.0	11.0	20
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ANALYSES OF SAMPLES COLLECTED AT PARTIAL-RECORD WATER-QUALITY STATIONS

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WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SI02) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NESIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)
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PLATTE RIVER BASIN

06690500 - NORTH PLATTE RIVER NEAR KEYSTONE, NEBR. (LAT 41 12 30 LONG 101 37 50)

DEC., 1972										
27...	1005	3.2	22	40	30	63	16	83	9.1	257
MAR., 1973										
29...	1030	2.0	19	20	160	59	18	76	8.9	248
JUNE										
28...	0950	785	19	9	30	59	18	76	8.4	235
SEP.										
24...	0940	2760	22	20	30	59	18	74	9.1	224

DATE	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LINIT AS CAC03 (MG/L) (00410)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED BORON (B) (MG/L) (01020)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)
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06690500 - NORTH PLATTE RIVER NEAR KEYSTONE, NEBR. (LAT 41 12 30 LONG 101 37 50)

DEC., 1972									
27...	0	211	170	19	.8	.05	.04	150	510
MAR., 1973									
29...	0	203	170	19	.4	.07	.03	90	493
JUNE									
28...	0	193	170	17	.6	.16	.02	140	485
SEP.									
24...	0	184	170	16	.5	1.1	.13	150	484

DATE	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA, MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
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06690500 - NORTH PLATTE RIVER NEAR KEYSTONE, NEBR. (LAT 41 12 30 LONG 101 37 50)

DEC., 1972									
27...	.69	4.41	220	12	2.4	760	8.2	.0	5
MAR., 1973									
29...	.67	2.66	220	18	2.2	776	7.8	5.0	6
JUNE									
28...	.66	1030	220	29	2.2	746	7.6	16.0	5
SEP.									
24...	.66	3610	220	38	2.2	747	8.1	17.0	4

ANALYSES OF SAMPLES COLLECTED AT PARTIAL-RECORD WATER-QUALITY STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SiO ₂) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MANGANESE (MN) (UG/L) (01056)	DIS- SOLVED CALCIUM (CA) (MG/L) (00915)	DIS- SOLVED MAGNESIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO ₃) (MG/L) (00440)	CARBONATE (CO ₃) (MG/L) (00445)	ALKALINITY AS CaCO ₃ (MG/L) (00410)
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PLATTE RIVER BASIN

06801330 - SALT CREEK NEAR ROCA, NEBR. (LAT 40 38 41 LONG 096 41 11)

DEC., 1972											
21...	16	--	--	--	--	--	--	--	--	--	--
MAR., 1973											
27...	225	12	--	--	48	11	25	7.6	171	0	140
JUNE											
13...	18	--	--	--	--	--	--	--	--	--	--
SEP.											
11...	6.1	22	--	--	120	27	310	9.0	272	0	223

06803190 - SALT CREEK AT 14TH STREET, AT LINCOLN, NEBR. (LAT 40 50 03 LONG 096 42 03)

DEC., 1972											
22...	40	--	--	--	--	--	--	--	--	--	--
MAR., 1973											
29...	593	12	--	--	63	15	100	8.4	233	0	191
JUNE											
19...	62	--	--	--	--	--	--	--	--	--	--
SEP.											
11...	35	22	--	--	100	33	1300	13	346	0	284

06803405 - ANTELOPE CREEK AT COURT STREET, AT LINCOLN, NEBR (LAT 40 49 44 LONG 096 41 58)

DEC., 1972											
21...	2.3	--	--	--	--	--	--	--	--	--	--
MAR., 1973											
29...	13	6.7	--	--	34	7.1	140	4.3	103	0	84
JUNE											
19...	2.3	--	--	--	--	--	--	--	--	--	--
SEP.											
11...	2.0	30	--	--	110	29	990	12	267	0	219

DATE	DIS- SOLVED SULFATE (SO ₄) (MG/L) (00945)	DIS- SOLVED CHLORIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUORIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	DIS- SOLVED AMMONIA NITROGEN (N) (MG/L) (00608)	ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJEL- DAML NITROGEN (N) (MG/L) (00625)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DIS- SOLVED PHOSPHORUS (P) (MG/L) (00666)
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06801330 - SALT CREEK NEAR ROCA, NEBR. (LAT 40 38 41 LONG 096 41 11)

DEC., 1972										
21...	--	260	--	.65	.11	.11	.18	.29	.22	.23
MAR., 1973										
27...	49	21	.5	1.5	.90	--	1.3	2.2	.46	.14
JUNE										
13...	--	110	--	1.9	.09	--	1.0	1.1	.38	.22
SEP.										
11...	200	450	.3	4.3	.06	--	.37	.43	.44	.27

06803190 - SALT CREEK AT 14TH STREET, AT LINCOLN, NEBR. (LAT 40 50 03 LONG 096 42 03)

DEC., 1972										
22...	--	1600	--	.70	.51	.51	.29	.80	.37	.31
MAR., 1973										
29...	76	120	.4	1.6	.38	--	1.7	2.1	.47	.16
JUNE										
19...	--	1200	--	1.3	.23	--	.77	1.0	.29	.25
SEP.										
11...	300	1800	.7	1.1	.45	--	.55	1.0	.46	.33

06803405 - ANTELOPE CREEK AT COURT STREET, AT LINCOLN, NEBR (LAT 40 49 44 LONG 096 41 58)

DEC., 1972										
21...	--	1500	--	3.0	2.5	2.5	.40	2.9	.61	.60
MAR., 1973										
29...	51	210	.3	1.4	.80	--	1.3	2.1	.37	.18
JUNE										
19...	--	1400	--	2.2	.16	--	.54	.70	.36	.30
SEP.										
11...	250	1500	.6	2.5	.24	--	.25	.49	.54	.52

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED (RESI- DUE AT 180 C) (MG/L) (70300)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA, MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)
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PLATTE RIVER BASIN

06801330 - SALT CREEK NEAR ROCA, NEBR. (LAT 40 38 41 LONG 096 41 11)

DEC., 1972										
21...	--	1100	1.50	47.5	--	--	--	1630	--	1.3
MAR., 1973										
27...	20	278	.38	169	170	25	.8	450	200	3.3
JUNE										
13...	--	602	.82	29.3	--	--	--	992	--	2.5
SEP.										
11...	150	1250	1.70	20.6	410	190	6.7	2100	7	3.6

06803190 - SALT CREEK AT 14TH STREET, AT LINCOLN, NEBR. (LAT 40 50 03 LONG 096 42 03)

DEC., 1972										
22...	--	4000	5.44	432	--	--	--	5760	--	2.0
MAR., 1973										
29...	90	553	.75	885	220	28	2.9	904	10	3.9
JUNE										
19...	--	2880	3.92	482	--	--	--	4560	--	5.7
SEP.										
11...	430	3710	5.05	351	390	100	29	5920	7	3.0

06803405 - ANTELOPE CREEK AT COURT STREET, AT LINCOLN, NEBR (LAT 40 49 44 LONG 096 41 58)

DEC., 1972										
21...	--	3780	5.14	23.5	--	--	--	5500	--	4.5
MAR., 1973										
29...	30	516	.70	18.1	110	30	5.7	962	100	3.3
JUNE										
19...	--	3160	4.30	19.6	--	--	--	5830	--	1.5
SEP.										
11...	210	2960	4.03	16.0	390	180	22	5410	3	2.4

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	IMME- DIATE COLI- FORM (COL. PER 100 ML) (31501)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
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06801330 - SALT CREEK NEAR ROCA, NEBR. (LAT 40 38 41 LONG 096 41 11)

DEC., 1972									
21...	1015	16	7.7	.5	8	12.5	530	170	1300
MAR., 1973									
27...	1515	225	7.5	10.5	160	9.8	1200	630	21990
JUNE									
13...	1415	18	7.5	23.5	50	7.0	3300	1100	1000
SEP.									
11...	0910	6.1	7.6	19.0	45	6.9	--	733	1400

06803190 - SALT CREEK AT 14TH STREET, AT LINCOLN, NEBR. (LAT 40 50 03 LONG 096 42 03)

DEC., 1972									
22...	1210	40	7.7	4.5	15	10.9	5500	610	400
MAR., 1973									
29...	0950	593	7.7	6.5	160	10.8	5100	1600	24990
JUNE									
19...	1030	62	7.9	20.5	15	9.5	8200	4800	2600
SEP.									
11...	1130	35	7.9	21.0	20	8.5	--	2300	2500

06803405 - ANTELOPE CREEK AT COURT STREET, AT LINCOLN, NEBR (LAT 40 49 44 LONG 096 41 58)

DEC., 1972									
21...	1340	2.3	7.9	8.0	35	10.0	12990	6700	2400
MAR., 1973									
29...	0900	13	7.3	6.0	70	10.6	2400	1600	3400
JUNE									
19...	0950	2.3	7.9	19.0	5	14.0	5400	900	4200
SEP.									
11...	1110	2.0	8.2	22.0	3	13.2	--	866	1100

ANALYSES OF SAMPLES COLLECTED AT PARTIAL-RECORD WATER-QUALITY STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SI02) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HC03) (MG/L) (00440)	CAR- BONATE (C03) (MG/L) (00445)	ALKA- LITY AS CAC03 (MG/L) (00410)
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PLATTE RIVER BASIN

06803493 - OAK CREEK AT 14TH STREET, AT LINCOLN, NEBR. (LAT 40 50 10 LONG 096 42 03)

DEC., 1972											
22...	21	--	--	--	--	--	--	--	--	--	--
MAR., 1973											
29...	176	12	--	--	74	20	200	8.3	301	0	247
JUNE											
19...	64	--	--	--	--	--	--	--	--	--	--
SEP.											
11...	28	23	--	--	90	25	830	12	358	0	294

06803510 - LITTLE SALT CREEK NEAR LINCOLN, NEBR. (LAT 40 53 36 LONG 096 40 52)

NOV., 1972											
10...	48	12	--	--	45	13	370	16	174	0	143
JAN., 1973											
15...	85	11	--	--	34	10	290	11	155	0	127
MAR.											
24...	215	11	--	--	35	9.7	150	9.9	171	0	140
SEP.											
26...	112	10	--	--	33	8.7	260	15	135	0	111

06803523 - STEVENS CREEK AT HIGHWAY 6, NEAR LINCOLN, NEBR. (LAT 40 52 35 LONG 096 36 16)

DEC., 1972											
15...	4.4	29	--	--	100	28	57	5.3	477	0	391
MAR., 1973											
28...	41	18	--	--	78	20	40	7.1	320	0	262
JUNE											
19...	6.6	22	--	--	84	23	57	4.8	368	0	302
SEP.											
11...	2.8	23	--	--	77	20	61	6.8	342	0	281

DATE	DIS- SOLVED SULFATE (S04) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L) (00608)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)
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06803493 - OAK CREEK AT 14TH STREET, AT LINCOLN, NEBR. (LAT 40 50 10 LONG 096 42 03)

DEC., 1972											
22...	--	1600	--	.77	.58	.58	.26	.84	.30	.32	
MAR., 1973											
29...	84	260	.5	1.1	.32	--	1.2	1.5	.34	.16	
JUNE											
19...	--	670	--	.89	.30	--	.90	1.2	.26	.18	
SEP.											
11...	190	1100	.4	1.1	.52	--	.78	1.3	.38	.27	

06803510 - LITTLE SALT CREEK NEAR LINCOLN, NEBR. (LAT 40 53 36 LONG 096 40 52)

NOV., 1972											
10...	140	510	.5	.81	--	.40	2.6	3.0	.87	.50	
JAN., 1973											
15...	98	360	.4	1.0	.78	.78	2.2	3.0	.81	.39	
MAR.											
24...	65	170	.4	1.4	.67	--	1.4	2.1	1.1	.33	
SEP.											
26...	100	330	.9	1.2	5.1	--	3.3	8.4	1.7	.36	

06803523 - STEVENS CREEK AT HIGHWAY 6, NEAR LINCOLN, NEBR. (LAT 40 52 35 LONG 096 36 16)

DEC., 1972											
15...	77	19	.4	2.7	.29	.29	.45	.74	.41	.33	
MAR., 1973											
28...	77	13	.4	3.1	.21	--	1.1	1.3	.39	.22	
JUNE											
19...	78	35	.5	2.7	.14	--	.70	.84	.38	.33	
SEP.											
11...	67	40	.2	2.5	.18	--	.48	.66	.42	.45	

ANALYSES OF SAMPLES COLLECTED AT PARTIAL-RECORD WATER-QUALITY STATIONS

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WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED DUE AT (180 C) (MG/L) (70300)	DIS- SOLVED SOLIDS (TONS) PER (AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS) PER (DAY) (70302)	HARD- NESS (CA, MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	RIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)
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PLATTE RIVER BASIN

06803493 - OAK CREEK AT 14TH STREET, AT LINCOLN, NEBR. (LAT 40 50 10 LONG 096 42 03)

DEC., 1972										
22...	--	3560	4.84	202	--	--	--	5550	--	2.3
MAR., 1973										
29...	120	842	1.15	400	270	20	5.3	1440	40	2.5
JUNE										
19...	--	1690	2.30	292	--	--	--	2870	--	2.6
SEP.										
11...	340	2480	3.37	187	330	34	20	4100	10	3.8

06803510 - LITTLE SALT CREEK NEAR LINCOLN, NEBR. (LAT 40 53 36 LONG 096 40 52)

NOV., 1972										
10...	380	1430	1.94	185	170	23	13	2173	300	>8.1
JAN., 1973										
15...	250	916	1.25	210	130	0	11	1580	90	9.8
MAR.										
24...	200	572	.78	332	130	0	5.8	954	300	--
SEP.										
26...	320	850	1.16	257	120	8	10	1510	200	4.7

06803523 - STEVENS CREEK AT HIGHWAY 6, NEAR LINCOLN, NEBR. (LAT 40 52 35 LONG 096 36 16)

DEC., 1972										
15...	100	616	.84	7.33	360	0	1.3	892	7	1.4
MAR., 1973										
28...	80	435	.59	48.2	280	15	1.0	667	40	2.6
JUNE										
19...	40	532	.72	9.48	300	3	1.4	737	20	2.4
SEP.										
11...	140	471	.64	3.56	270	0	1.6	713	8	2.0

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	IMMF- DIATE COLI- FORM (COL. PER 100 ML) (31501)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL. ONIES PER 100 ML) (31679)
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06803493 - OAK CREEK AT 14TH STREET, AT LINCOLN, NEBR. (LAT 40 50 10 LONG 096 42 03)

DEC., 1972									
22...	1140	21	7.9	2.5	10	13.7	6300	690	840
MAR., 1973									
29...	1030	176	7.6	6.0	50	11.0	10990	6100	4100
JUNE									
19...	1110	64	7.8	22.0	45	8.3	1300	530	670
SEP.									
11...	1215	28	7.8	21.0	35	8.8	--	350	380

06803510 - LITTLE SALT CREEK NEAR LINCOLN, NEBR. (LAT 40 53 36 LONG 096 40 52)

NOV., 1972									
10...	0840	48	7.6	5.5	260	7.8	>26990	>19990	>49990
JAN., 1973									
15...	1425	85	7.5	3.0	160	12.0	2300	1300	13990
MAR.									
24...	1000	215	7.4	7.5	480	--	--	--	--
SEP.									
26...	1130	112	7.5	17.0	640	--	--	--	--

06803523 - STEVENS CREEK AT HIGHWAY 6, NEAR LINCOLN, NEBR. (LAT 40 52 35 LONG 096 36 16)

DEC., 1972									
15...	1000	4.4	7.4	.0	10	11.1	1400	40	2600
MAR., 1973									
28...	1500	41	8.0	10.5	45	10.0	2400	830	1200
JUNE									
19...	1340	6.6	7.8	23.5	15	7.9	9400	1600	1500
SEP.									
11...	1415	2.8	7.8	21.0	15	8.5	--	1270	2100

ANALYSES OF SAMPLES COLLECTED AT PARTIAL-RECORD WATER-QUALITY STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SI02) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NESIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LINITY AS CaCO3 (MG/L) (00410)
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PLATTE RIVER BASIN

06805499 - MILL CREEK AT LOUISVILLE NEBR (LAT 41 00 13 LONG 096 09 35)

JUNE, 1973											
14...	3.2	19	20	410	72	18	24	5.2	276	0	226
JULY											
20...	175	8.0	0	290	19	3.9	5.0	9.2	100	0	82
SEP.											
26...	43	9.6	110	410	24	5.8	11	18	104	0	85

06805525 - CEDAR CREEK NEAR LOUISVILLE NEBR (LAT 41 00 05 LONG 096 07 15)

JUNE, 1973											
14...	12	28	50	250	59	16	29	22	251	0	206
JULY											
20...	442	8.5	0	420	15	3.3	4.9	9.6	63	0	52
SEP.											
26...	132	10	150	400	19	4.7	8.8	14	92	0	75

DATE	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L) (00608)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)
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06805499 - MILL CREEK AT LOUISVILLE NEBR (LAT 41 00 13 LONG 096 09 35)

JUNE, 1973											
14...	44	11	.5	4.5	.15	--	.48	.63	.29	.22	
JULY											
20...	11	5.8	.4	1.0	3.6	--	3.6	7.2	2.5	.37	
SEP.											
26...	19	11	.4	1.8	3.9	--	6.1	10	2.2	.45	

06805525 - CEDAR CREEK NEAR LOUISVILLE NEBR (LAT 41 00 05 LONG 096 07 15)

JUNE, 1973											
14...	33	17	.4	10	3.1	--	1.1	4.2	.85	.61	
JULY											
20...	10	5.1	.3	1.1	2.6	--	5.6	8.2	2.3	.18	
SEP.											
26...	13	6.5	.4	1.4	3.4	--	7.6	11	2.4	.48	

DATE	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA+MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MMOS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)
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06805499 - MILL CREEK AT LOUISVILLE NEBR (LAT 41 00 13 LONG 096 09 35)

JUNE, 1973											
14...	290	381	.52	3.29	250	28	.7	586	9	1.7	
JULY											
20...	60	145	.20	68.5	64	0	.3	207	600	3.8	
SEP.											
26...	100	156	.21	18.1	84	0	.5	272	200	9.9	

06805525 - CEDAR CREEK NEAR LOUISVILLE NEBR (LAT 41 00 05 LONG 096 07 15)

JUNE, 1973											
14...	270	377	.51	12.2	210	7	.9	583	40	7.7	
JULY											
20...	100	130	.18	155	51	0	.3	153	500	13	
SEP.											
26...	120	134	.18	47.8	67	0	.5	214	300	20	

ANALYSES OF SAMPLES COLLECTED AT PARTIAL-RECORD WATER-QUALITY STATIONS

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WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	IMME- DIATE COLI- FORM (COL. PER 100 ML) (31501)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
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PLATTE RIVER BASIN

06805499 - MILL CREEK AT LOUISVILLE NEBR (LAT 41 00 13 LONG 096 09 35)

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	IMME- DIATE COLI- FORM (COL. PER 100 ML) (31501)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
JUNE, 1973									
14...	1150	3.2	7.5	21.5	--	7.9	--	970	--
JULY									
20...	1100	175	7.2	19.0	1400	7.0	--	250000	--
SEP.									
26...	1050	43	7.7	17.5	--	7.6	--	600000	--

06805525 - CEDAR CREEK NEAR LOUISVILLE NEBR (LAT 41 00 05 LONG 096 07 15)

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	IMME- DIATE COLI- FORM (COL. PER 100 ML) (31501)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
JUNE, 1973									
14...	1115	12	7.6	21.0	--	6.9	--	1900	--
JULY									
20...	1200	442	6.8	19.0	1100	5.7	--	300000	--
SEP.									
26...	1215	132	7.6	17.5	--	7.7	--	600000	--

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SI02) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MANGANESE (MANG) (UG/L) (01056)	DIS-SOLVED CALCIUM (CA) (MG/L) (00915)	DIS-SOLVED MAGNESIUM (MAG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)
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WEEPING WATER CREEK BASIN

06806460 - WEEPING WATER CR AT WEEPING WATER, NEBR. (LAT 40 51 18 LONG 096 07 10)

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	IMME- DIATE COLI- FORM (COL. PER 100 ML) (31501)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
APR., 1973									
16...	227	16	50	310	57	14	22	6.2	214
JUNE									
14...	28	24	9	110	70	16	27	4.3	288
SEP.									
26...	1110	8.6	80	350	18	4.0	7.8	8.0	74

06806495 - S BR WEEPING WATER CREEK NEAR UNION NEBR (LAT 40 48 45 LONG 095 56 43)

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	IMME- DIATE COLI- FORM (COL. PER 100 ML) (31501)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
MAR., 1973									
30...	66	19	--	--	59	14	23	5.5	217
JUNE									
14...	22	26	30	240	72	15	20	3.2	283
SEP.									
26...	1510	8.4	70	240	14	2.8	3.5	7.6	61

DATE	ALKA- LITY AS CAC03 (MG/L) (00410)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED PHOS- PHORUS (P) (MG/L) (00666)
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06806460 - WEEPING WATER CR AT WEEPING WATER, NEBR. (LAT 40 51 18 LONG 096 07 10)

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	IMME- DIATE COLI- FORM (COL. PER 100 ML) (31501)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
APR., 1973									
16...	176	43	4.7	.4	5.1	.30	1.4	1.7	.47
JUNE									
14...	236	39	8.0	.6	6.5	.09	.80	.89	.33
SEP.									
26...	61	11	2.6	.4	1.1	5.0	3.1	8.1	1.2

06806495 - S BR WEEPING WATER CREEK NEAR UNION NEBR (LAT 40 48 45 LONG 095 56 43)

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	IMME- DIATE COLI- FORM (COL. PER 100 ML) (31501)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
MAR., 1973									
30...	178	41	10	.4	5.9	.50	1.4	1.9	.49
JUNE									
14...	232	35	6.2	.4	7.7	.10	.89	.99	.39
SEP.									
26...	50	8.1	2.6	.4	.88	3.4	4.3	7.7	2.1

ANALYSES OF SAMPLES COLLECTED AT PARTIAL-RECORD WATER-QUALITY STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- SOLVED BORON (R) (UG/L) (01020)	DIS- SOLVED (RESI- DUE AT 180 C) (MG/L) (70300)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA,MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)
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WEEPING WATER CREEK BASIN

06806460 - WEEPING WATER CR AT WEEPING WATER, NEBR. (LAT 40 51 18 LONG 096 07 10)

APR., 1973										
16...	60	313	.43	192	200	24	.7	438	50	4.8
JUNE										
14...	210	354	.48	26.8	240	4	.8	566	20	2.0
SEP.										
26...	70	102	.14	306	61	1	.4	202	300	5.7

06806495 - S BR WEEPING WATER CREEK NEAR UNION NEBR (LAT 40 48 45 LONG 095 56 43)

MAR., 1973										
30...	20	319	.43	56.8	210	27	.7	494	80	4.1
JUNE										
14...	250	345	.47	20.5	240	9	.6	541	30	1.5
SEP.										
26...	110	90	.12	367	47	0	.2	139	300	5.4

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)
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06806460 - WEEPING WATER CR AT WEEPING WATER, NEBR. (LAT 40 51 18 LONG 096 07 10)

APR., 1973						
16...	1020	227	7.7	9.0	10.1	9999
JUNE						
14...	1315	28	7.5	25.0	7.5	3600
SEP.						
26...	1400	1110	7.4	18.0	7.5	241000

06806495 - S BR WEEPING WATER CREEK NEAR UNION NEBR (LAT 40 48 45 LONG 095 56 43)

MAR., 1973						
30...	1310	66	7.6	7.0	11.0	790
JUNE						
14...	1400	22	7.4	25.0	8.0	2300
SEP.						
26...	1545	1510	7.4	18.0	6.6	243000

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	SPE- CIFIC CON- DUCT- ANCE: (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)
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PLATTE RIVER BASIN

06680100 - NORTH PLATTE RIVER NEAR SCOTTSBLUFF, NEBR. (LAT 41 51 45 LONG 103 43 23)

OCT.							
18...	1215	932	935	7.7	11.0	9.3	400
NOV.							
20...	1200	778	942	7.7	5.0	15.4	150
DEC.							
18...	1015	745	805	7.4	4.0	12.8	590
JAN.							
25...	1315	624	1140	7.9	6.0	11.5	220
FEB.							
20...	1230	641	1030	8.2	6.0	11.7	10
MAR.							
21...	1005	619	1000	7.5	7.0	11.0	140

06681998 - NORTH PLATTE RIVER NEAR MINATARE, NEBR. (NINEMILE CH) (LAT 41 47 32 LONG 103 31 08)

DATE	TIME	DIS- CHARGE (CFS) (00060)	SPE- CIFIC CON- DUCT- ANCE: (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)
NOV.							
20...	1110	192	982	7.8	5.0	15.4	730
JAN.							
25...	1530	123	1160	7.9	9.0	10.7	200
MAR.							
21...	0935	96	980	7.5	7.0	10.6	1100

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SI02) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE: (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LENITY AS CAC03 (MG/L) (00410)
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06681999 - NORTH PLATTE RIVER NEAR MINATARE, NEBR. (MAIN CH (LAT 41 47 26 LONG 103 31 11)

MAR., 1973										
21... 675	--	--	--	--	--	--	--	--	--	--
APR.										
25... 2400	18	0	10	68	20	69	6.4	240	0	197
MAY										
24... 6000	--	--	--	--	--	--	--	--	--	--

06682505 - NORTH PLATTE RIVER AT MC GREW NEBR (LAT 41 45 42 LONG 103 25 02.01)

JUNE, 1973										
27... 5530	--	--	--	--	--	--	--	--	--	--
JULY										
25... 3820	24	30	0	64	18	57	7.6	221	0	181
AUG.										
22... 2870	--	--	--	--	--	--	--	--	--	--
SEP.										
19... 3750	--	--	--	--	--	--	--	--	--	--

06685650 - CEDAR C NR BROADWATER, NEBR. (LAT 41 33 08 LONG 102 48 44)

NOV., 1972										
06... 9.2	50	--	--	48	13	22	6.5	232	0	190

06687000 - BLUE CREEK NEAR LEWELLEN, NEBR. (LAT 41 20 07 LONG 102 10 21)

NOV., 1972										
06... 93	53	--	--	23	4.0	12	5.8	99	0	81

06692500 - LINCOLN CO. DRAIN NO. 1 NEAR NORTH PLATTE, NEBR. (LAT 41 09 40 LONG 100 47 25)

NOV., 1972										
07... 43	32	--	--	92	21	88	11	285	0	234

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA GEN (N) (MG/L) (00610)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJFL- DAHL NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)
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PLATTE RIVER BASIN

06681999 - NORTH PLATTE RIVER NEAR MINATARE, NEBR. (LAT 41 47 26 LONG 103 31 11)

MAR., 1973										
21...	--	24	--	2.6	.17	.54	.71	.17	.11	667
APR.										
25...	190	17	.5	.84	.11	.99	1.1	.14	.03	--
MAY										
24...	--	13	--	.24	.21	.77	.98	.16	.03	450

06682505 - NORTH PLATTE RIVER AT MC GREW NEBR (LAT 41 45 42 LONG 103 25 02.01)

JUNE, 1973										
27...	--	16	--	1.7	.22	.72	.94	.22	.10	558
JULY										
25...	160	14	.5	.94	.05	.95	1.0	.29	.06	--
AUG.										
22...	--	14	--	.71	.06	.66	.72	.13	.08	482
SEP.										
19...	--	19	--	.98	.09	.39	.48	.19	.04	562

06685650 - CEDAR C NR BROADWATER, NEBR. (LAT 41 33 08 LONG 102 48 44)

NOV., 1972										
06...	27	6.9	--	1.2	--	--	--	.06	.05	--

06687000 - BLUE CREEK NEAR LEWELLEN, NEBR. (LAT 41 20 07 LONG 102 10 21)

NOV., 1972										
06...	8.9	3.0	--	.92	--	--	--	.18	.03	--

06692500 - LINCOLN CO. DRAIN NO. 1 NEAR NORTH PLATTE, NEBR. (LAT 41 09 40 LONG 100 47 25)

NOV., 1972										
07...	220	25	--	3.0	--	--	--	.06	.04	--

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA, MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)	DIS- SOLVED BORON (B) (UG/L) (01020)
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06681999 - NORTH PLATTE RIVER NEAR MINATARE, NEBR. (LAT 41 47 26 LONG 103 31 11)

MAR., 1973										
21...	--	.91	1220	--	--	--	1000	--	2.7	--
APR.										
25...	511	.70	3310	250	55	1.9	760	20	2.0	170
MAY										
24...	--	.61	7290	--	--	--	659	--	2.4	--

06682505 - NORTH PLATTE RIVER AT MC GREW NEBR (LAT 41 45 42 LONG 103 25 02.01)

JUNE, 1973										
27...	--	.76	8330	--	--	--	779	--	1.6	--
JULY										
25...	458	.62	4720	230	53	1.6	707	10	1.6	160
AUG.										
22...	--	.66	3740	--	--	--	705	--	.7	--
SEP.										
19...	--	.76	5690	--	--	--	769	--	1.7	--

06685650 - CEDAR C NR BROADWATER, NEBR. (LAT 41 33 08 LONG 102 48 44)

NOV., 1972										
06...	293	.40	7.28	170	0	.7	426	--	--	60

06687000 - BLUE CREEK NEAR LEWELLEN, NEBR. (LAT 41 20 07 LONG 102 10 21)

NOV., 1972										
06...	162	.22	40.7	74	0	.6	188	--	--	30

06692500 - LINCOLN CO. DRAIN NO. 1 NEAR NORTH PLATTE, NEBR. (LAT 41 09 40 LONG 100 47 25)

NOV., 1972										
07...	643	.87	74.7	320	82	2.2	959	--	2.0	130

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SiO_2) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO_3) (MG/L) (00440)	CAR- BONATE (CO_3) (MG/L) (00445)	ALKA- LITY AS CaCO_3 (MG/L) (00410)
PLATTE RIVER BASIN											
06765150 - APPEGATE DR NR SUTHERLAND, NEBR. (LAT 41 08 21 LONG 101 08 23)											
NOV., 1972 07... 55	45	--	--	92	20	77	14	277	0	227	
06765700 - SUPPLY CANAL (TRI-CO DWR) NR MAXWELL, NEBR. (LAT 41 03 50 LONG 100 38 50)											
OCT., 1972 17... 1940	--	--	--	--	--	--	--	232	0	190	
06765710 - FREMONT SL NR N PLATTE, NEBR. (LAT 41 06 02 LONG 100 45 55)											
NOV., 1972 07... 29	58	--	--	67	12	15	11	226	0	185	
06765720 - FLOCK DR NR N PLATTE, NEBR. (LAT 41 06 41 LONG 100 40 23)											
NOV., 1972 07... 6.2	19	--	--	65	21	78	9.8	232	0	190	
06765730 - STENGER DI NR MAXWELL, NEBR. (LAT 41 04 32 LONG 100 37 14)											
NOV., 1972 08... 3.6	53	--	--	68	21	53	15	284	0	233	
06765990 - PLATTE RIVER AT BRADY, NEBR. (CHAN 4) (LAT 40 59 22 LONG 100 22 39)											
OCT., 1972 17... 65	--	--	--	--	--	--	--	261	0	214	
06766050 - SHELDON DR NR GOTHENBURG, NEBR. (LAT 40 55 44 LONG 100 14 42)											
NOV., 1972 08... 7.6	57	--	--	82	27	65	18	290	0	238	
06766550 - ROWE DITCH NR DARR, NEBR. (LAT 40 48 34 LONG 099 53 17)											
NOV., 1972 08... 17	54	--	--	99	26	65	20	319	0	262	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED SULFATE (SO ₄) (MG/L) (00945)	DIS-SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL- NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS-SOLVED PHOS- PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)
PLATTE RIVER BASIN										
06765150 - APPLEGATE DR NR SUTHERLAND, NEBR. (LAT 41 08 21 LONG 101 08 23)										
NOV., 1972 07...	240	30	--	.75	--	--	--	.09	.06	--
06765700 - SUPPLY CANAL (TRI-CO DVR) NR MAXWELL, NEBR. (LAT 41 03 50 LONG 100 38 50)										
OCT., 1972 17...	--	--	--	.00	--	--	--	--	.03	--
06765710 - FREMONT SL NR N PLATTE, NEBR. (LAT 41 06 02 LONG 100 45 55)										
NOV., 1972 07...	66	13	--	.00	--	--	--	.05	.03	--
06765720 - FLOCK DR NR N PLATTE, NEBR. (LAT 41 06 41 LONG 100 40 23)										
NOV., 1972 07...	200	23	--	.12	--	--	--	.07	.07	--
06765730 - STENGER DI NR MAXWELL, NEBR. (LAT 41 04 32 LONG 100 37 14)										
NOV., 1972 08...	130	16	--	.00	--	--	--	.09	.08	--
06765990 - PLATTE RIVER AT BRADY, NEBR. (CHAN 4) (LAT 40 59 22 LONG 100 22 39)										
OCT., 1972 17...	--	--	--	.19	--	--	--	--	.03	--
06766050 - SHELTON DR NR GOTHENBURG, NEBR. (LAT 40 55 44 LONG 100 14 42)										
NOV., 1972 08...	190	23	--	.00	--	--	--	.08	.06	--
06766550 - ROWE DITCH NR DARR, NEBR. (LAT 40 48 34 LONG 099 53 17)										
NOV., 1972 08...	200	25	--	.00	--	--	--	.12	.12	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA, MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	RIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)	DIS- SOLVED BORON (B) (UG/L) (01020)
PLATTE RIVER BASIN										
06765150 - APPEGATE DR NR SUTHERLAND, NEBR. (LAT 41 08 21 LONG 101 08 23)										
NOV., 1972 07...	658	.89	97.7	310	85	1.9	950	--	1.7	130
06765700 - SUPPLY CANAL (TRI-CD DVR) NR MAXWELL, NEBR. (LAT 41 03 50 LONG 100 38 50)										
OCT., 1972 17...	--	--	--	--	--	--	770	--	--	--
06765710 - FREMONT SL NR N PLATTE, NEBR. (LAT 41 06 02 LONG 100 45 55)										
NOV., 1972 07...	353	.48	27.6	220	31	.4	498	--	--	70
06765720 - FLOCK DR NR N PLATTE, NEBR. (LAT 41 06 41 LONG 100 40 23)										
NOV., 1972 07...	531	.72	8.89	250	58	2.2	846	--	--	140
06765730 - STENGER DI NR MAXWELL, NEBR. (LAT 41 04 32 LONG 100 37 14)										
NOV., 1972 08...	496	.67	4.82	260	23	1.4	742	--	--	100
06765990 - PLATTE RIVER AT BRADY, NEBR. (CHAN 4) (LAT 40 59 22 LONG 100 22 39)										
OCT., 1972 17...	--	--	--	--	--	--	783	--	--	--
06766050 - SHELTON DR NR GOTHENBURG, NEBR. (LAT 40 55 44 LONG 100 14 42)										
NOV., 1972 08...	605	.82	12.4	320	78	1.6	879	--	--	140
06766550 - ROWE DITCH NR DARR, NEBR. (LAT 40 48 34 LONG 099 53 17)										
NOV., 1972 08...	646	.88	29.7	350	93	1.5	948	--	--	110

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SIO ₂) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO ₃) (MG/L) (00440)	CAR- BONATE (CO ₃) (MG/L) (00445)	ALKA- LINITY AS CACO ₃ (MG/L) (00410)
PLATTE RIVER BASIN											
06766850 - NISLEY-LAUBY DI NR LEXINGTON, NEBR. (LAT 40 44 55' LONG 099 46 23)											
NOV., 1972											
08...	7.8	45	--	--	92	22	65	16	291	0	239
06768005 - SPRING (STREVER) C NR OVERTON, NEBR. (LAT 40 41 51' LONG 099 32 28)											
NOV., 1972											
08...	.80	29	--	--	110	31	150	35	441	0	362
06768010 - SPRING CREEK NEAR LEXINGTON NEBR (LAT 40 46 05' LONG 099 41 25)											
MAR., 1973											
20...	5.8	--	--	--	--	--	--	--	--	--	--
APR.											
18...	6.6	28	40	200	120	36	84	40	444	0	364
MAY											
22...	4.0	--	--	--	--	--	--	--	--	--	--
06768015 - SPRING CREEK BELOW LEXINGTON NEBR (LAT 40 46 03' LONG 099 40 22)											
JUNE, 1973											
21...	6.5	--	--	--	--	--	--	--	--	--	--
JULY											
13...	9.7	42	40	40	110	29	140	29	374	0	307
AUG.											
15...	39	--	--	--	--	--	--	--	--	--	--
SEP.											
11...	28	--	--	--	--	--	--	--	--	--	--
06783300 - MUD C NR LITCHFIELD, NEBR. (LAT 41 08 48' LONG 099 09 08)											
OCT., 1972											
25...	11	47	--	--	89	14	14	5.8	351	0	288

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED SULFATE (SO ₄) (MG/L) (00945)	DIS-SOLVED CHLORIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUORIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L) (00625)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DIS-SOLVED PHOSPHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)
PLATTE RIVER BASIN										
06766850 - NISLEY-LAUBY DI NR LEXINGTON, NEBR. (LAT 40 44 55' LONG 099 46 23)										
NOV., 1972										
08...	190	30	--	1.6	--	--	--	.08	.11	--
06768005 - SPRING (STREVER) C NR OVERTON, NEBR. (LAT 40 41 51' LONG 099 32 28)										
NOV., 1972										
08...	240	140	--	.00	--	--	--	2.6	2.5	--
06768010 - SPRING CREEK NEAR LEXINGTON NEBR (LAT 40 46 05' LONG 099 41 25)										
MAR., 1973										
20...	--	--	--	--	--	--	--	--	--	--
APR.										
18...	240	41	.6	.69	2.9	1.2	4.1	.43	.37	--
MAY										
22...	--	39	--	.74	3.5	1.9	5.4	.40	.34	790
06768015 - SPRING CREEK BELOW LEXINGTON NEBR (LAT 40 46 03' LONG 099 40 22)										
JUNE, 1973										
21...	--	76	--	2.0	.46	.94	1.4	1.8	1.7	1060
JULY										
13...	360	58	.8	2.6	1.3	2.8	4.1	1.1	.99	--
AUG.										
15...	--	23	--	.62	.02	1.3	1.3	.52	.22	617
SEP.										
11...	--	30	--	1.5	.83	.87	1.7	.64	.33	656
06783300 - MUD C NR LITCHFIELD, NEBR. (LAT 41 08 48' LONG 099 09 08)										
OCT., 1972										
25...	21	7.3	--	.39	--	--	--	.50	.48	--
DATE	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA+MG) (MG/L) (00900)	NON-CARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	COLOR (PLATINUM-COBALT UNITS) (00080)	BIOCHEMICAL OXYGEN DEMAND (MG/L) (00310)	DIS-SOLVED BORON (MG/L) (01020)
06766850 - NISLEY-LAUBY DI NR LEXINGTON, NEBR. (LAT 40 44 55' LONG 099 46 23)										
NOV., 1972										
08...	610	.83	12.8	320	82	1.6	899	--	--	140
06768005 - SPRING (STREVER) C NR OVERTON, NEBR. (LAT 40 41 51' LONG 099 32 28)										
NOV., 1972										
08...	952	1.29	2.06	400	41	3.3	1420	--	4.3	250
06768010 - SPRING CREEK NEAR LEXINGTON NEBR (LAT 40 46 05' LONG 099 41 25)										
MAR., 1973										
20...	--	--	--	--	--	--	--	--	8.0	--
APR.										
18...	812	1.10	14.6	450	84	1.7	1200	20	>20	140
MAY										
22...	--	1.07	8.66	--	--	--	1150	--	27	--
06768015 - SPRING CREEK BELOW LEXINGTON NEBR (LAT 40 46 03' LONG 099 40 22)										
JUNE, 1973										
21...	--	1.44	18.9	--	--	--	1500	--	6.1	--
JULY										
13...	965	1.31	25.4	390	87	3.1	1350	40	11	240
AUG.										
15...	--	.84	65.0	--	--	--	898	--	6.2	--
SEP.										
11...	--	.89	49.6	--	--	--	946	--	5.6	--
06783300 - MUD C NR LITCHFIELD, NEBR. (LAT 41 08 48' LONG 099 09 08)										
OCT., 1972										
25...	373	.51	11.2	280	0	.4	597	--	--	110

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SI02) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MANGANESE (MN) (UG/L) (01056)	DIS-SOLVED CALCIUM (CA) (MG/L) (00915)	DIS-SOLVED MAGNESIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CaCO3 (MG/L) (00410)
PLATTE RIVER BASIN											
06783400 - CLEAR C NR LITCHFIELD, NEBR. (LAT 41 08 48 LONG 099 06 15)											
OCT., 1972 25...	.10	38	--	--	98	21	16	12	463	0	380
06784300 - OAK CREEK NEAR LOUP CITY, NEBR. (LAT 41 17 36 LONG 098 52 04)											
OCT., 1972 25...	6.1	49	--	--	70	16	13	11	319	0	262
06784510 - OAK C AT DANNEBROG, NEBR. (LAT 41 06 35 LONG 098 33 01)											
OCT., 1972 26...	15	42	--	--	94	21	16	12	401	0	329
06784800 - TURKEY CREEK NEAR DANNEBROG, NEBR. (LAT 41 09 24 LONG 098 33 01)											
OCT., 1972 26...	3.1	28	--	--	110	29	39	17	488	0	400
06791900 - TIMBER C NR BELGRADE, NEBR. (LAT 41 24 51 LONG 098 05 13)											
OCT., 1972 27...	3.2	35	--	--	100	19	13	11	424	0	348
06794000 - BEAVER CREEK AT GENOA, NEBR. (LAT 41 26 32 LONG 097 44 11)											
NOV., 1972 01...	98	39	--	--	47	8.1	9.6	6.9	199	0	163
06796100 - SCOTT DITCH NR NORTH BEND, NEBR. (LAT 41 31 03 LONG 096 46 49)											
OCT., 1972 31...	8.7	27	--	--	86	20	26	8.4	314	0	258
DATE	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLORIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUORIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DIS-SOLVED PHOSPHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	
06783400 - CLEAR C NR LITCHFIELD, NEBR. (LAT 41 08 48 LONG 099 06 15)											
OCT., 1972 25...	9.9	8.5	--	.18	--	--	--	1.2	1.2	--	
06784300 - OAK CREEK NEAR LOUP CITY, NEBR. (LAT 41 17 36 LONG 098 52 04)											
OCT., 1972 25...	14	5.2	--	1.2	--	--	--	.70	.65	--	
06784510 - OAK C AT DANNEBROG, NEBR. (LAT 41 06 35 LONG 098 33 01)											
OCT., 1972 26...	34	7.7	--	.53	--	--	--	.91	.45	--	
06784800 - TURKEY CREEK NEAR DANNEBROG, NEBR. (LAT 41 09 24 LONG 098 33 01)											
OCT., 1972 26...	67	13	--	1.4	--	--	--	.39	.29	--	
06791900 - TIMBER C NR BELGRADE, NEBR. (LAT 41 24 51 LONG 098 05 13)											
OCT., 1972 27...	17	5.5	--	.06	--	--	--	.20	.13	--	
06794000 - BEAVER CREEK AT GENOA, NEBR. (LAT 41 26 32 LONG 097 44 11)											
NOV., 1972 01...	8.2	2.6	--	.49	--	--	--	.32	.34	--	
06796100 - SCOTT DITCH NR NORTH BEND, NEBR. (LAT 41 31 03 LONG 096 46 49)											
OCT., 1972 31...	75	7.0	--	4.0	--	--	--	.34	.33	--	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA, MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SP- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	HIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)	DIS- SOLVED BORON (B) (UG/L) (01020)	
PLATTE RIVER BASIN											
06783400 - CLEAR C NR LITCHFIELD, NEBR. (LAT 41 08 48 LONG 099 06 15)											
OCT., 1972 25...	432	.59	.12	330	0	.4	736	--	--	160	
06784300 - OAK CREEK NEAR LOUP CITY, NEBR. (LAT 41 17 36 LONG 098 52 04)											
OCT., 1972 25...	340	.46	5.60	240	0	.4	527	--	--	110	
06784510 - OAK C AT DANNEBROG, NEBR. (LAT 41 06 35 LONG 098 33 01)											
OCT., 1972 26...	426	.58	17.7	320	0	.4	655	--	4.7	80	
06784800 - TURKEY CREEK NEAR DANNEBROG, NEBR. (LAT 41 09 24 LONG 098 33 01)											
OCT., 1972 26...	549	.75	4.60	390	0	.9	866	--	--	100	
06791900 - TIMBER C NR BELGRADE, NEBR. (LAT 41 24 51 LONG 098 05 13)											
OCT., 1972 27...	409	.56	3.53	330	0	.3	691	--	1.6	80	
06794000 - BEAVER CREEK AT GENOA, NEBR. (LAT 41 26 32 LONG 097 44 11)											
NOV., 1972 01...	221	.30	58.5	150	0	.3	325	--	--	30	
06796100 - SCOTT DITCH NR NORTH BEND, NEBR. (LAT 41 31 03 LONG 096 46 49)											
OCT., 1972 31...	422	.57	9.94	300	40	.7	661	--	4.6	90	
DATE	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)	DIS- SOLVED SILVER (AG) (UG/L) (01075)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
06681999 - NORTH PLATTE RIVER NEAR MINATARE, NEBR. (MAIN CH (LAT 41 47 26 LONG 103 31 11)											
APR., 1973 25...	3	170	0	0	17	4	.2	.1	3	0	20
06768015 - SPRING CREEK BELOW LEXINGTON NEBR (LAT 40 46 03 LONG 099 40 22)											
JULY, 1973 13...	6	240	3	0	13	7	6.3	3.0	14	0	40

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED SILICA (SIO2) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LITY AS CAC03 (MG/L) (00410)
KANSAS RIVER BASIN											
06824500 - REPUBLICAN RIVER AT BENKELMAN, NEBR. (LAT 40 01 55' LONG 101 32 30)											
MAY , 1973 29... 147		42	700	0	54	19	28	10	248	0	203
06853400 - REPUBLICAN RIVER AT SUPERIOR, NEBR. (LAT 40 01 01' LONG 098 05 15)											
MAY , 1973 31... 420 JULY 15... 1180		14 9.4	30 70	10 20	65 46	18 16	33 28	14 8.2	265 207	0 0	217 170
DATE	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L) (00625)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)	
06824500 - REPUBLICAN RIVER AT BENKELMAN, NEBR. (LAT 40 01 55' LONG 101 32 30)											
MAY , 1973 29... 72		6.6	1.3	.45	.08	.82	.90	.16	.03	--	
06853400 - REPUBLICAN RIVER AT SUPERIOR, NEBR. (LAT 40 01 01' LONG 098 05 15)											
MAY , 1973 31... 82 JULY 15... 64		19 17	.7 .7	.60 1.2	.20 .21	.71 .99	.91 1.2	.25 .57	.10 .16	-- --	
DATE	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA,MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)	DIS- SOLVED BORON (B) (UG/L) (01020)	
06824500 - REPUBLICAN RIVER AT BENKELMAN, NEBR. (LAT 40 01 55' LONG 101 32 30)											
MAY , 1973 29... 358		.49	142	210	10	.8	534	20	5.2	90	
06853400 - REPUBLICAN RIVER AT SUPERIOR, NEBR. (LAT 40 01 01' LONG 098 05 15)											
MAY , 1973 31... 379 JULY 15... 297		.52 .40	430 946	240 180	19 11	.9 .9	618 496	20 60	1.9 3.4	110 130	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

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	ALDRIN	CHLOR-DANE	DDD	DDE	DDT	DI-AZINON	DI-ELDRIN	ENDRIN	HEPTA-CHLOR		
DATE	(UG/L) (39330)	(UG/L) (39350)	(UG/L) (39360)	(UG/L) (39365)	(UG/L) (39370)	(UG/L) (39570)	(UG/L) (39380)	(UG/L) (39390)	(UG/L) (39410)		
KANSAS RIVER BASIN											
06824500 - REPUBLICAN RIVER AT BENKELMAN, NEBR. (LAT 40 01 55' LONG 101 32 30)											
MAY , 1973 29...	.00	.0	.00	.00	.01	.00	.00	.00	.00		
06853400 - REPUBLICAN RIVER AT SUPERIOR, NEBR. (LAT 40 01 01 LONG 098 05 15)											
MAY , 1973 31...	.00	.0	.00	.00	.00	.00	.00	.00	.00		
JULY 15...	.00	.0	.00	.00	.00	.00	.00	.00	.00		
	HEPTA-CHLOR EPOXIDE	LINDANE	MALA-THION	METHYL-PARA-THION	PARA-THION	PCB	2,4-D	2,4,5-T	SILVEX		
DATE	(UG/L) (39420)	(UG/L) (39340)	(UG/L) (39530)	(UG/L) (39600)	(UG/L) (39540)	(UG/L) (39516)	(UG/L) (39730)	(UG/L) (39740)	(UG/L) (39760)		
06824500 - REPUBLICAN RIVER AT BENKELMAN, NEBR. (LAT 40 01 55' LONG 101 32 30)											
MAY , 1973 29...	.00	.00	.00	.00	.00	.0	.20	.00	.02		
06853400 - REPUBLICAN RIVER AT SUPERIOR, NEBR. (LAT 40 01 01 LONG 098 05 15)											
MAY , 1973 31...	.00	.00	.00	.00	.00	.0	.08	.01	.00		
JULY 15...	.00	.00	.00	.00	.00	.0	.12	.00	.00		
DATE	DIS-SOLVED ARSENIC (AS)	DIS-SOLVED BORON (B)	DIS-SOLVED CADMIUM (CD)	DIS-SOLVED CHROMIUM (CR)	DIS-SOLVED COPPER (CU)	DIS-SOLVED LEAD (PB)	TOTAL MERCURY (HG)	DIS-SOLVED MERCURY (HG)	DIS-SOLVED SELENIUM (SE)	DIS-SOLVED SILVER (AG)	DIS-SOLVED ZINC (ZN)
	(UG/L) (01000)	(UG/L) (01020)	(UG/L) (01025)	(UG/L) (01030)	(UG/L) (01040)	(UG/L) (01049)	(UG/L) (71900)	(UG/L) (71900)	(UG/L) (01145)	(UG/L) (01075)	(UG/L) (01090)
06824500 - REPUBLICAN RIVER AT BENKELMAN, NEBR. (LAT 40 01 55' LONG 101 32 30)											
MAY , 1973 29...	12	90	1	0	22	7	6.0	3.5	14	0	40
06853400 - REPUBLICAN RIVER AT SUPERIOR, NEBR. (LAT 40 01 01 LONG 098 05 15)											
MAY , 1973 31...	5	110	1	0	5	0	6.3	.5	8	0	20
JULY 15...	5	130	3	0	10	7	92	5.0	5	0	50

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

[illegible]

KANSAS RIVER BASIN

06881015 - BIG BLUE RIVER BL SQUAW CREEK NR CRETE, NEBR. (LAT 40 33 04 LONG 096 57 09)

FEB.	27...	758	--	--	--	--	--	--	--	--	--
APR.	26...	228	25	30	110	70	16	32	10	269	0 221
MAY	24...	196	--	--	--	--	--	--	--	--	--
JUNE	27...	137	23	9	70	70	13	36	8.1	268	0 220
JULY	27...	265	--	--	--	--	--	--	--	--	--
AUG.	30...	92	--	--	--	--	--	--	--	--	--
SEP.	21...	281	18	30	0	33	6.8	16	11	133	0 109

	DIS- SOLVED SULFATE	DIS- SOLVED CHLO- RIDE	DIS- SOLVED FLUO- RIDE	SOLVED NITRITE PLUS NITRATE	AMMONIA NITRO- GEN	ORGANIC GEN	TOTAL KJEL- DAHL NITRO- GEN	TOTAL PHOS- PHORUS	DIS- SOL- VED- PHOS- PHORUS	DIS- SOLVED SOLIDUS (RESI- DUE AT
DATE	(MG/L) (0094)	(MG/L) (0094)	(MG/L) (00950)	(MG/L) (00631)	(MG/L) (00610)	(MG/L) (00605)	(MG/L) (00625)	(MG/L) (00665)	(MG/L) (00666)	(MG/L) (70300)

FEB.										
27...	--	7.1	--	.79	1.6	1.6	3.2	1.1	.47	200
APR.										
26...	78	16	.3	2.0	.17	1.2	1.4	.81	.49	--
MAY										
24...	--	18	--	.62	.30	1.6	1.9	.71	.41	419
JUNE										
27...	58	29	.5	.03	.17	2.2	2.4	.79	.39	--
JULY										
27...	--	13	--	2.8	.38	1.9	2.3	.88	.55	300
AUG.										
30...	--	18	--	.99	.21	1.1	1.3	.70	.59	385
SEP.										
21...	29	10	.4	1.5	.33	2.0	2.3	.66	.49	--

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS) PER (AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS) PER (DAY) (70302)	HARD- NESS (CA+MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (MICRO- MHOS) (00931)	SPE- CIFIC CON- DUCT- ANCE (COBALT UNITS) (00095)	COLOR (PLAT- INUM- DEMAND (MG/L) (00080)	RIO- CHEM- ICAL OXYGEN DEMAND (MG/L) (00310)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)
------	---	---	---	---	--	--	--	---	--	--

FEB.									
27...	--	.27	409	--	--	--	254	--	5.8
APR.									
26...	389	.53	239	240	20	.9	594	40	8.4
MAY									
24...	--	.57	222	--	--	--	646	--	11
JUNE									
27...	370	.50	137	230	9	1.0	606	20	5.0
JULY									
27...	--	.41	215	--	--	--	457	--	8.9
AUG.									
30...	--	.52	95.6	--	--	--	574	--	2.7
SEP.									
21...	197	.27	149	110	1	.7	302	90	6.2

	DIS- SOLVED BORON	DIS- SOLVED CAD- MIUM	DIS- SOLVED CHRO- MIUM	DIS- SOLVED COPPER	DIS- SOLVED LEAD	TOTAL MERCURY	DIS- SOLVED MERCURY	DIS- SOLVED SELE- NIUM	DIS- SOLVED SILVER	DIS- SOLVED ZINC
DATE	(B) (UG/L)	(CD) (UG/L)	(CU) (UG/L)	(PB) (UG/L)	(HG) (UG/L)	(HG) (UG/L)	(HG) (UG/L)	(SE) (UG/L)	(AG) (UG/L)	(ZN) (UG/L)
(01020)	(01025)	(01030)	(01040)	(01049)	(71900)	(71890)	(01145)	(01075)	(01090)	

[illegible]

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER (31616)	STREP- TOCOCCI (COL- ONIES PER (31679)
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PLATTE RIVER BASIN

06681999 - NORTH PLATTE RIVER NEAR MINATARE, NEBR. (MAIN CH) (LAT 41 47 26 LONG 103 31 11)

OCT.									
18...	1050	846	1020	7.7	10.0	--	9.4	490	--
NOV.									
20...	1045	762	978	7.8	6.0	--	16.0	590	--
DEC.									
18...	1315	750	755	7.8	6.0	--	12.4	430	--
JAN.									
25...	1045	675	1120	7.8	4.0	--	10.8	330	--
FEB.									
20...	1030	675	1050	7.8	6.0	--	9.4	360	--
MAR.									
21...	0915	675	982	7.4	7.0	40	10.2	1300	820
APR.									
25...	0800	2400	--	7.5	3.5	45	11.0	140	310
MAY									
24...	0930	6000	--	7.5	15.0	65	8.8	330	1200

06682505 - NORTH PLATTE RIVER AT MC GREW, NEBR. (LAT 41 45 42 LONG 103 25 02.01)

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER (31616)	STREP- TOCOCCI (COL- ONIES PER (31679)
JUNE								
27...	1430	5530	7.5	23.5	45	8.6	340	660
JULY								
25...	0930	3820	7.4	18.0	85	8.8	1300	6300
AUG.								
22...	0910	2870	8.1	22.0	45	8.1	220	650
SEP.								
19...	0830	3750	7.72	14.0	45	8.5	720	1000

06683100 - NORTH PLATTE RIVER AT BELMONT DIV DAM NEAR BAYARD, NEBR. (LAT 41 42 09 LONG 103 14 44)

DATE	TIME	DIS- CHARGE (CFS) (00060)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER (31616)
OCT.							
18...	0930	1220	955	7.4	9.0	9.6	340
NOV.							
20...	0900	1040	1000	7.5	3.5	16.0	1500
DEC.							
18...	1500	1000	700	7.5	3.0	11.5	460
JAN.							
25...	0945	926	1000	7.5	2.0	12.1	300
FEB.							
20...	0930	796	1160	7.4	5.0	11.4	320
MAR.							
21...	0830	811	1040	7.4	6.0	10.8	140

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER (31616)	STREP- TOCOCCI (COL- ONIES PER (31679)
PLATTE RIVER BASIN								
06685650 - CEDAR C NR BROADWATER, NEBR. (LAT 41 33 08 LONG 102 48 44)								
NOV., 1972								
06...	1330	9.2	7.7	8.0	--	10.3	--	--
06687000 - BLUE CREEK NEAR LEWELLEN, NEBR. (LAT 41 20 07 LONG 102 10 21)								
NOV., 1972								
06...	1045	93	7.2	7.0	--	9.7	--	--
06692500 - LINCOLN CO. DRAIN NO. 1 NEAR NORTH PLATTE, NEBR. (LAT 41 09 40 LONG 100 47 25)								
NOV., 1972								
07...	1315	43	7.8	11.0	--	12.0	--	--
06765150 - APPLGATE DR NR SUTHERLAND, NEBR. (LAT 41 08 21 LONG 101 08 23)								
NOV., 1972								
07...	1045	55	7.4	9.0	--	10.5	--	--
06765710 - FREMONT SL NR N PLATTE, NEBR. (LAT 41 06 02 LONG 100 45 55)								
NOV., 1972								
07...	1500	29	7.6	12.0	--	10.7	--	--
06765720 - FLOCK DR NR N PLATTE, NEBR. (LAT 41 06 41 LONG 100 40 23)								
NOV., 1972								
07...	1615	6.2	7.4	13.0	--	7.4	--	--
06765730 - STENGER DI NR MAXWELL, NEBR. (LAT 41 04 32 LONG 100 37 14)								
NOV., 1972								
08...	1515	3.6	7.6	12.0	--	10.8	--	--
06766050 - SHELDON DR NR GOTHENBURG, NEBR. (LAT 40 55 44 LONG 100 14 42)								
NOV., 1972								
08...	1330	7.6	7.9	13.0	--	17.5	--	--
06766850 - NISLEY-LAUBY DI NR LEXINGTON, NEBR. (LAT 40 44 55 LONG 099 46 23)								
NOV., 1972								
08...	1000	7.8	7.4	10.0	--	11.4	--	--
06768005 - SPRING (STREVER) C NR OVERTON, NEBR. (LAT 40 41 51 LONG 099 32 28)								
NOV., 1972								
08...	0830	.80	7.9	3.5	--	13.1	--	--
06768010 - SPRING CREEK NEAR LEXINGTON NEBR (LAT 40 46 05 LONG 099 41 25)								
MAR., 1973								
20...	1300	5.8	8.1	12.0	15	10.9	960	2200
APR.								
18...	1430	6.6	8.2	16.0	15	9.8	2000	2100
MAY								
22...	1400	4.1	7.1	23.0	20	7.4	4200	8600
06768015 - SPRING CREEK BELOW LEXINGTON NEBR (LAT 40 46 03 LONG 099 40 22)								
JUNE, 1973								
21...	1350	6.6	8.2	25.0	10	13.5	--	3400
JULY								
13...	1345	9.8	7.9	28.0	60	6.3	5800	4200
AUG.								
15...	1400	38	8.0	27.0	60	6.5	5000	4450
SEP.								
11...	1400	27	7.5	19.0	60	5.2	--	46000

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG. C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
PLATTE RIVER BASIN								
06783300 - MUD C NR LITCHFIELD, NEBR. (LAT 41 08 48 LONG 099 09 08)								
OCT., 1972								
25...	1512	11	8.1	9.0	--	11.2	--	--
06783400 - CLEAR C NR LITCHFIELD, NEBR. (LAT 41 08 48 LONG 099 06 15)								
OCT., 1972								
25...	1403	.10	7.9	10.0	--	10.3	--	--
06784300 - OAK CREEK NEAR LOUP CITY, NEBR. (LAT 41 17 36 LONG 098 52 04)								
OCT., 1972								
25...	1035	6.1	7.7	8.0	--	10.2	--	--
06784510 - OAK C AT DANNEBROG, NEBR. (LAT 41 06 35 LONG 098 33 01)								
OCT., 1972								
26...	1312	15	8.2	10.0	--	11.1	--	--
06784800 - TURKEY CREEK NEAR DANNEBROG, NEBR. (LAT 41 09 24 LONG 098 33 01)								
OCT., 1972								
26...	1425	3.1	8.0	12.0	--	11.3	--	--
06791900 - TIMBER C NR BELGRADE, NEBR. (LAT 41 24 51 LONG 098 05 13)								
OCT., 1972								
27...	1027	3.2	7.9	9.5	--	8.3	--	--
06794000 - BEAVER CREEK AT GENOA, NEBR. (LAT 41 26 32 LONG 097 44 11)								
NOV., 1972								
01...	1500	98	7.5	5.0	--	6.9	--	--
06796100 - SCOTT DITCH NR NORTH BEND, NEBR. (LAT 41 31 03 LONG 096 46 49)								
OCT., 1972								
31...	1300	8.7	7.4	8.5	--	8.8	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973
FIELD DETERMINATIONS

DATE

TIME

DIS-CHARGE
(CFS)
(00060)

PH
(UNITS)
(00400)

TEMPER-
ATURE
(DEG C)
(00010)

PH

TEMPER-
ATURE
(DEG C)
(00010)

06824500 - REPUBLICAN RIVER AT BENKELMAN, NEBR. (LAT 40 01 55 LONG 101 32 30)

MAY , 1973

29... 0915 147 8.2 13.0

06851400 - REPUBLICAN RIVER AT SUPERIOR, NEBR. (LAT 40 01 01 LONG 098 05 15)

MAY , 1973

31... 0730 420 8.0 18.0

JULY

15... 1230 1180 7.6 24.0

06881015 - BIG BLUE RIVER BL SQUAW CREEK NR CRETE, NEBR. (LAT 40 33 04 LONG 096 57 09)

DATE

TIME

DIS-CHARGE
(CFS)
(00060)

PH
(UNITS)
(00400)

TEMPER-
ATURE
(DEG C)
(00010)

TUR-
BID-
ITY
(JTU)
(00070)

DIS-
SOLVED
OXYGEN
(MG/L)
(00300)

FECAL
COLI-
FORM
(COL.
PER
100 ML)
(31616)

STREP-
TOCOCCI
(COL-
ONIES
PER
100 ML)
(31679)

FEB.

27...

APR.

26...

MAY

24...

JUNE

27...

JULY

27...

AUG.

30...

SEP.

21...

1055

1215

1200

1200

1200

1235

1200

758

228

196

137

265

92

281

7.4

7.6

7.7

8.2

7.7

7.7

7.7

.5

11.5

18.0

23.5

24.0

25.0

20.5

210

90

50

60

160

70

240

11.9

8.4

8.0

10.0

7.4

7.0

7.5

4000

2200

4000

7700

68000

25000

90000

12990

1500

2600

1700

2950

1750

1000

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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INSTANTANEOUS SUSPENDED SEDIMENT AND PARTICLE SIZE, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	DIS- CHARGE (CFS) (00060)	SUS- PENDE SEDI- MENT (MG/L) (80154)	SUS- PENDE SEDI- MENT (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN (70337)	SUS. SED. FALL DIAM. % FINER THAN (70338)
------	------	--	------------------------------------	---	--	---	---

PLATTE RIVER BASIN

06798500 - ELKHORN RIVER AT NELIGH, NEBR. (LAT 42 07 20 LONG 098 01 40)

MAR., 1973							
30...	1245	7.0	1530	1140	4710	--	--

06799000 - ELKHORN RIVER NEAR NORFOLK, NEBR. (LAT 42 00 20 LONG 097 28 40)

MAY, 1973							
28...	0940	13.0	1260	2210	7520	15	19

06805499 - MILL CREEK AT LOUISVILLE, NEBR (LAT 41 00 13 LONG 096 09 35)

JULY, 1973							
20...	1120	19.0	175	7280	3440	29	37
SEP.							
26...	1110	17.5	43	2630	305	46	54

06805525 - CEDAR CREEK NEAR LOUISVILLE, NEBR (LAT 41 00 05 LONG 095 07 15)

JULY, 1973							
20...	1200	19.0	442	8660	10300	19	25
SEP.							
26...	1215	17.5	132	2560	912	37	41

DATE	SUS. SED. FALL DIAM. % FINER THAN	SUS. SED. FALL DIAM. % FINER THAN	SUS. SED. FALL DIAM. % FINER THAN	SUS. SED. FALL DIAM. % FINER THAN	SUS. SED. FALL DIAM. % FINER THAN	SUS. SED. FALL DIAM. % FINER THAN	SUS. SED. FALL DIAM. % FINER THAN
	.016 MM (70340)	.062 MM (70331)	.062 MM (70342)	.125 MM (70343)	.250 MM (70344)	.500 MM (70345)	1.00 MM (70346)

06798500 - ELKHORN RIVER AT NELIGH, NEBR. (LAT 42 07 20 LONG 098 01 40)

MAR., 1973							
30...	--	--	16	30	82	100	--

06799000 - ELKHORN RIVER NEAR NORFOLK, NEBR. (LAT 42 00 20 LONG 097 28 40)

MAY, 1973							
28...	24	--	49	63	92	100	--

06805499 - MILL CREEK AT LOUISVILLE, NEBR (LAT 41 00 13 LONG 096 09 35)

JULY, 1973							
20...	58	--	98	99	99	100	--
SEP.							
26...	77	100	--	--	--	--	--

06805525 - CEDAR CREEK NEAR LOUISVILLE, NEBR (LAT 41 00 05 LONG 095 07 15)

JULY, 1973							
20...	44	--	90	92	94	97	100
SEP.							
26...	63	--	99	100	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

INSTANTANEOUS SUSPENDED SEDIMENT AND PARTICLE SIZE, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	DIS- CHARGE (CFS) (00050)	SUS- PENDE SEDI- MENT (MG/L) (80154)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN (70337)	SUS. SED. FALL DIAM. % FINER THAN (70338)								
WEEPING WATER CREEK BASIN															
06806460 - WEEPING WATER CR AT WEEPING WATER, NEBR. (LAT 40 51 18 LONG 096 07 10)															
APR., 1973															
16...	1115	9.0	227	332	203	--	--								
SEP.															
26...	1425	18.0	1110	3010	9020	50	64								
06806495 - S BR WEEPING WATER CREEK NEAR UNION NEBR (LAT 40 48 45 LONG 095 56 43)															
MAR., 1973															
30...	1340	7.0	66	372	66	38	38								
SEP.															
26...	1620	18.0	1510	4640	18900	34	40								
<table> <tr> <th>DATE</th><th>SUS. SED. FALL DIAM. % FINER THAN (70340)</th><th>SUS. SED. FALL DIAM. % FINER THAN (70342)</th><th>SUS. SED. FALL DIAM. % FINER THAN (70343)</th><th>SUS. SED. FALL DIAM. % FINER THAN (70344)</th><th>SUS. SED. FALL DIAM. % FINER THAN (70345)</th><th>SUS. SED. FALL DIAM. % FINER THAN (70346)</th><th>SUS. SED. FALL DIAM. % FINER THAN (70347)</th></tr> </table>								DATE	SUS. SED. FALL DIAM. % FINER THAN (70340)	SUS. SED. FALL DIAM. % FINER THAN (70342)	SUS. SED. FALL DIAM. % FINER THAN (70343)	SUS. SED. FALL DIAM. % FINER THAN (70344)	SUS. SED. FALL DIAM. % FINER THAN (70345)	SUS. SED. FALL DIAM. % FINER THAN (70346)	SUS. SED. FALL DIAM. % FINER THAN (70347)
DATE	SUS. SED. FALL DIAM. % FINER THAN (70340)	SUS. SED. FALL DIAM. % FINER THAN (70342)	SUS. SED. FALL DIAM. % FINER THAN (70343)	SUS. SED. FALL DIAM. % FINER THAN (70344)	SUS. SED. FALL DIAM. % FINER THAN (70345)	SUS. SED. FALL DIAM. % FINER THAN (70346)	SUS. SED. FALL DIAM. % FINER THAN (70347)								
06806460 - WEEPING WATER CR AT WEEPING WATER, NEBR. (LAT 40 51 18 LONG 096 07 10)															
APR., 1973															
16...	--	97	98	98	100	--	--								
SEP.															
26...	86	96	97	97	98	98	100								
06806495 - S BR WEEPING WATER CREEK NEAR UNION NEBR (LAT 40 48 45 LONG 095 56 43)															
MAR., 1973															
30...	57	99	100	--	--	--	--								
SEP.															
26...	61	99	100	--	--	--	--								

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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INSTANTANEOUS SUSPENDED SEDIMENT AND PARTICLE SIZE, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	DIS- CHARGE (CFS) (00060)	SUS- PENDE SEDIM- ENT (MG/L) (80154)	SUS- PENDE SEDIM- ENT (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN (70337)	SUS. SED. FALL DIAM. % FINER THAN (70338)
------	------	--	------------------------------------	---	--	---	---

KANSAS RIVER BASIN

06834000 - FRENCHMAN CREEK AT PALISADE, NEBR. (LAT 40 20 50 LONG 101 07 40)

OCT., 1972							
10...	1145	15.0	31	142	11	--	--
NOV.							
06...	1040	6.0	24	66	4.3	--	--
JULY, 1973							
18...	1240	23.5	345	968	902	11	11

06835000 - STINKING WATER CREEK NEAR PALISADE, NEBR. (LAT 40 22 10 LONG 101 06 50)

OCT., 1972							
10...	1030	13.0	26	406	28	--	--
NOV.							
06...	0945	6.0	51	1180	162	12	14
JAN., 1973							
02...	1445	.5	37	311	31	--	--
30...	0940	.0	30	360	29	--	--
FEB.							
26...	1010	1.5	51	1290	178	9	11
MAR.							
26...	1220	8.5	53	974	139	--	--
APR.							
24...	1040	13.5	42	683	77	--	--
MAY							
22...	1215	19.5	38	644	66	--	--
JUNE							
19...	1430	16.0	27	454	33	--	--
JULY							
18...	1350	23.5	18	579	28	51	58
SEP.							
10...	1110	20.0	24	524	34	--	--

DATE	SUS. SED. FALL DIAM. % FINER THAN (70340)	SUS. SED. SIEVE DIAM. % FINER THAN (70331)	SUS. SED. FALL DIAM. % FINER THAN (70342)	SUS. SED. FALL DIAM. % FINER THAN (70343)	SUS. SED. FALL DIAM. % FINER THAN (70344)	SUS. SED. FALL DIAM. % FINER THAN (70345)
	.016 MM	.062 MM	.062 MM	.125 MM	.250 MM	.500 MM

06834000 - FRENCHMAN CREEK AT PALISADE, NEBR. (LAT 40 20 50 LONG 101 07 40)

OCT., 1972						
10...	--	--	63	80	95	100
NOV.						
06...	--	--	44	48	76	100
JULY, 1973						
18...	16	--	65	90	96	100

06835000 - STINKING WATER CREEK NEAR PALISADE, NEBR. (LAT 40 22 10 LONG 101 06 50)

OCT., 1972						
10...	--	--	87	100	--	--
NOV.						
06...	21	--	82	96	100	--
JAN., 1973						
02...	--	--	66	77	97	100
30...	--	--	76	89	99	100
FEB.						
26...	20	--	86	99	100	--
MAR.						
26...	--	--	84	100	--	--
APR.						
24...	--	--	83	100	--	--
MAY						
22...	--	--	92	100	--	--
JUNE						
19...	--	--	94	100	--	--
JULY						
18...	74	92	--	--	--	--
St P.						
10...	--	--	94	100	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

PARTICLE SIZE OF BED MATERIAL, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	NUMBER OF SAM- PLING POINTS (00063)	DIS- CHARGE (CFS) (00060)	BED MAT. FALL DIAM. % FINER THAN (00158)	BED MAT. FALL DIAM. % FINER THAN (00159)	BED MAT. FALL DIAM. % FINER THAN (00160)	BED MAT. FALL DIAM. % FINER THAN (00161)	BED MAT. FALL DIAM. % FINER THAN (00162)	BED MAT. FALL DIAM. % FINER THAN (00169)	BED MAT. FALL DIAM. % FINER THAN (00170)	BED MAT. FALL DIAM. % FINER THAN (00171)
PLATTE RIVER BASIN											
06798500 - ELKHORN RIVER AT NELIGH, NEBR. (LAT 42 07 20 LONG 098 01 40)											
MAR., 1973	1245	12	1530	0	2	36	88	98	99	100	--
06799000 - ELKHORN RIVER NEAR NORFOLK, NEBR. (LAT 42 00 20 LONG 097 28 40)											
MAY, 1973	0940	6	1260	0	2	50	92	97	98	99	100
06805499 - MILL CREEK AT LOUISVILLE, NEBR (LAT 41 00 13 LONG 096 09 35)											
SEP., 1973	1110	4	43	46	52	74	95	99	100	--	--
06805525 - CEDAR CREEK NEAR LOUISVILLE, NEBR (LAT 41 00 05 LONG 096 07 15)											
SEP., 1973	1215	4	132	63	67	71	78	85	91	98	100
BED MAT. FALL DIAM. % FINER THAN BED MAT. SIEVE DIAM. % FINER THAN BED MAT. SIEVE DIAM. % FINER THAN BED MAT. SIEVE DIAM. % FINER THAN BED MAT. SIEVE DIAM. % FINER THAN BED MAT. SIEVE DIAM. % FINER THAN DATE 1.00 MM 2.00 MM 4.00 MM 8.00 MM 16.0 MM 32.0 MM (00162) (00169) (00170) (00171) (00172) (00173)											
WEEPING WATER CREEK BASIN											
06806460 - WEEPING WATER CR AT WEEPING WATER, NEBR. (LAT 40 51 18 LONG 096 07 10)											
SEP., 1973	26...			31	38	45	50	57	100		
06806495 - S BR WEEPING WATER CREEK NEAR UNION, NEBR (LAT 40 48 45 LONG 095 56 43)											
SEP., 1973	26...			98	98	98	98	100	--		
NUMBER OF SAM-PLING POINTS DIS-CHARGE (CFS) BED MAT. FALL DIAM. % FINER THAN BED MAT. FALL DIAM. % FINER THAN BED MAT. FALL DIAM. % FINER THAN BED MAT. FALL DIAM. % FINER THAN DATE 1.00 MM 2.00 MM 4.00 MM 8.00 MM 16.0 MM 32.0 MM (00063) (00060) (00158) (00159) (00160) (00161)											
06806460 - WEEPING WATER CR AT WEEPING WATER, NEBR. (LAT 40 51 18 LONG 096 07 10)											
SEP., 1973	1425	3	1110			1	1	6	25		
06806495 - S BR WEEPING WATER CREEK NEAR UNION, NEBR (LAT 40 48 45 LONG 095 56 43)											
SEP., 1973	1620	3	1510			82	87	89	97		

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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PARTICLE SIZE OF BED MATERIAL, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	NUMBER OF SAM- PLING POINTS	DIS- CHARGE (CFS)	BED MAT. FALL DIAM.	BED MAT. FALL DIAM.	BED MAT. FALL DIAM.	BED MAT. FALL DIAM.
				% FINER THAN .062 MM (80158)	% FINER THAN .125 MM (80159)	% FINER THAN .250 MM (80160)	% FINER THAN .500 MM (80161)

KANSAS RIVER BASIN

06834000 - FRENCHMAN CREEK AT PALISADE, NEBR. (LAT 40 20 50 LONG 101 07 40)

OCT., 1972							
10...	1145	7	31	5	10	27	68
NOV.							
06...	1040	8	24	2	4	19	62
JULY, 1973							
18...	1240	17	345	0	2	15	49

06835000 - STINKING WATER CREEK NEAR PALISADE, NEBR. (LAT 40 22 10 LONG 101 06 50)

OCT., 1972							
10...	1030	8	26	10	23	30	46
NOV.							
06...	0945	9	51	6	14	22	41
JAN., 1973							
02...	1445	8	37	6	11	20	37
30...	0940	8	30	6	13	24	46
FEB.							
26...	1010	7	51	8	18	32	42
MAR.							
26...	1220	8	53	8	26	35	47
APR.							
24...	1040	8	42	6	21	32	46
MAY							
22...	1215	8	38	6	16	26	48
JUNE							
19...	1430	8	27	5	10	16	33
JULY							
18...	1350	7	18	5	16	23	35
SEP.							
10...	1110	7	24	5	15	25	42

DATE	BED MAT. FALL DIAM.	BED MAT. SIEVE DIAM.	BED MAT. SIEVE DIAM.	BED MAT. SIEVE DIAM.	BED MAT. SIEVE DIAM.	BED MAT. SIEVE DIAM.
	% FINER THAN 1.00 MM (80162)	% FINER THAN 2.00 MM (80169)	% FINER THAN 4.00 MM (80170)	% FINER THAN 8.00 MM (80171)	% FINER THAN 16.0 MM (80172)	% FINER THAN 32.0 MM (80173)

06834000 - FRENCHMAN CREEK AT PALISADE, NEBR. (LAT 40 20 50 LONG 101 07 40)

OCT., 1972						
10...	85	91	98	100	--	--
NOV.						
06...	83	91	96	99	100	--
JULY, 1973						
18...	79	89	97	99	100	--

06835000 - STINKING WATER CREEK NEAR PALISADE, NEBR. (LAT 40 22 10 LONG 101 06 50)

OCT., 1972						
10...	55	66	81	95	100	--
NOV.						
06...	54	63	78	93	100	--
JAN., 1973						
02...	54	64	81	98	100	--
30...	64	72	82	92	95	100
FEB.						
26...	58	65	79	93	98	100
MAR.						
26...	59	70	82	96	100	--
APR.						
24...	56	63	81	97	100	--
MAY						
22...	62	71	85	97	100	--
JUNE						
19...	45	52	75	95	100	--
JULY						
18...	50	61	81	97	100	--
SEP.						
10...	60	72	86	97	100	--

CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

(Local identifier: indicates location by township, range, and section. Geologic unit: 110 SDGV, Quaternary sand and gravel deposits; 112 SDGV, Pleistocene sand and gravel deposits; 121 OGLL, Ogallala Formation; 123 CDRN, Chadron Formation; 211 DKOT, Dakota Formation)

LOCAL IDENT- IFIER	LAT- ITUDE	LONG- ITUDE	SEQ. NO.	GEO- LOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	DIS- SOLVED SILICA (SI02) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)
ADAMS COUNTY										
6N 11W17CB 1	40 29 10	098 35 21	01	112SDGV	210	73-05-30	28	630	430	73
7N 9W11DC 1	40 35 03	098 18 13	01	112SDGV	200	72-12-28	28	--	--	68
				112SDGV	200	73-06-05	--	--	--	--
7N 10W23AB 1	40 34 03	098 24 40	01	112SDGV	155	73-05-30	27	540	10	50
8N 12W34BC 3	40 37 10	098 39 51	03	112SDGV	200	72-12-28	32	--	--	36
	40 37 10	098 39 51	03	112SDGV	200	73-06-05	--	--	--	--
BANNER COUNTY										
20N 53W30DA 1	41 40 33	103 28 03	01	123CDRN	600	73-08-30	78	--	--	4.9
BUFFALO COUNTY										
9N 14W 1DC 1	40 46 18	098 50 44	01	112SDGV	38	73-09-19	41	--	860	210
9N 14W13DB 1	40 44 46	098 50 36	01	112SDGV	55	73-06-13	36	30	10	160
9N 15W34BA 1	40 42 36	098 59 58	01	112SDGV	59	73-07-18	29	20	10	160
9N 16W 6AA 1	40 47 00	099 09 50	01	112SDGV	105	73-06-13	56	9	0	87
9N 18W28AA 1	40 43 34	099 22 16	01	112SDGV	117	73-06-13	66	80	0	100
10N 16W 5DC 1	40 51 37	099 08 52	01	112SDGV	240	73-09-21	50	1600	110	71
BUTLER COUNTY										
15N 1E27DD 1	41 14 20	097 17 30	01	112SDGV	210	73-06-28	1.3	20	0	10
CHASE COUNTY										
7N 41W11DAA 1	40 35 16	101 56 06	01	121OGLL	192	73-09-27	44	50	8	38
6N 41W21CCC 1	40 27 57	101 59 12	01	121OGLL	180	73-03-28	57	20	0	38
CHEYENNE COUNTY										
16N 49W 198BB1	41 21 00	102 59 24	01	121OGLL	360	73-06-21	56	0	10	40
CLAY COUNTY										
6N 8W 8CB 3	40 30 01	098 15 29	03	112SDGV	192	72-12-28	27	--	--	40
				112SDGV	192	73-06-05	--	--	--	--
6N 8W21DD 1	40 28 06	098 13 25	01	112SDGV	205	73-05-31	25	70	60	51
7N 5W 2AA 1	40 36 34	097 50 43	01	112SDGV	215	72-12-28	34	--	--	65
				112SDGV	215	73-06-05	--	--	--	--
8N 7W23BB 1	40 39 10	098 05 14	01	112SDGV	206	73-05-31	30	3200	170	78
8N 7W27DC 1	40 37 39	098 05 48	01	112SDGV	204	72-12-28	34	--	--	87
				112SDGV	204	73-06-04	--	--	--	--
DAWSON COUNTY										
9N 19W19BAC 1	40 44 25	099 32 00	01	112SDGV	42	73-06-13	52	20	50	150
9N 21W 5CB 1	40 46 42	099 44 45	01	112SDGV	180	73-06-13	47	40	10	140
9N 21W 8BB 1	40 46 16	099 44 45	01	112SDGV	58	73-06-13	72	9	0	84
10N 21W18DDD 1	40 52 50	099 44 55	01	112SDGV	120	73-09-20	55	20	700	100
DUNDY COUNTY										
2N 38W10DD 1	40 08 52	101 35 27	01	121OGLL	180	73-03-29	59	40	0	47
4N 38W30BCC 1	40 17 03	101 39 48	01	121OGLL	180	73-03-29	63	70	0	40
FILLMORE COUNTY										
5N 4W12RC 1	40 24 50	097 43 40	01	112SDGV	100	73-07-26	39	--	2000	26
5N 4W12BD 1	40 25 00	097 43 14	01	112SDGV	131	72-12-27	37	--	--	53
				112SDGV	131	73-05-31	--	--	--	--
7N 1W19AA 2	40 33 56	097 27 56	02	112SDGV	255	73-05-16	30	40	10	100
7N 3W36DB 1	40 31 45	097 36 09	01	112SDGV	196	72-12-27	28	--	--	67
				112SDGV	196	73-05-31	--	--	--	--
8N 1W20DB 2	40 38 43	097 27 06	02	112SDGV	306	72-12-27	30	--	--	290
				112SDGV	306	73-05-31	--	--	--	--
8N 2W26AD 1	40 38 00	097 30 07	01	112SDGV	40	73-05-15	26	--	70	390
GAGE COUNTY										
2N 5E RAD 1	40 09 17	096 52 51	01	112SDGV	167	73-05-23	35	590	180	94
HALL COUNTY										
10N 11W19CA 1	40 49 11	098 36 00	01	112SDGV	90	73-06-13	38	9	0	100
11N 10W 4CCB 1	40 56 52	098 27 10	01	112SDGV	64	73-07-17	26	70	60	79
11N 10W14UCCB3	40 55 06	098 24 23	03	112SDGV	90	73-03-20	--	--	--	--
11N 10W15AC 1	40 55 31	098 25 57	01	112SDGV	52	73-06-12	29	60	10	38
11N 10W16C9C 1	40 55 14	098 27 10	01	112SDGV	80	73-06-12	26	690	30	48
11N 11W19CCB 2	40 54 15	098 36 22	02	112SDGV	208	73-07-17	43	460	460	240

CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

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LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CaR- BONATE (CO3) (MG/L) (00445)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	ORGANIC NITRO- GEN (N) (MG/L) (00605)
ADAMS COUNTY										
6N 11W17CB 1	73-05-30	11	17	9.4	243	0	49	8.3	1.0	.17
7N 9W11DC 1	72-12-28	9.4	32	6.8	205	0	43	38	--	--
	73-06-05	--	--	--	--	--	--	--	--	.00
7N 10W23AB 1	73-05-30	7.2	18	6.9	190	0	20	9.4	1.0	.00
8N 12W34BC 3	72-12-28	6.0	9.4	5.6	147	0	18	2.7	--	--
	73-06-05	--	--	--	--	--	--	--	--	.04
BANNER COUNTY										
20N 53W30DA 1	73-08-30	.8	240	.0	550	0	29	48	1.1	--
BUFFALO COUNTY										
9N 14W 1DC 1	73-09-19	38	140	18	515	0	530	37	.2	2.0
9N 14W13DB 1	73-06-13	26	87	15	343	0	280	74	.3	--
9N 15W34BA 1	73-07-18	31	70	11	241	0	310	40	.3	--
9N 16W 6AA 1	73-06-13	11	7.1	5.3	316	0	17	7.0	.2	--
9N 18W28AA 1	73-06-13	22	17	12	358	0	70	17	.4	--
10N 16W 5DC 1	73-09-21	9.0	5.6	4.6	258	0	5.8	9.7	.3	.00
BUTLER COUNTY										
15N 1E27DD 1	73-06-28	5.4	27	12	155	0	2.3	2.4	.2	3.2
CHASE COUNTY										
7N 41W11DAA 1	73-09-27	7.9	16	6.9	162	0	14	5.0	.8	.02
6N 41W21CCC 1	73-03-28	9.2	6.3	8.1	170	0	7.1	1.5	.7	.09
CHEYENNE COUNTY										
16N 49W 19BBR1	73-06-21	9.8	13	6.7	184	0	15	4.5	.6	.08
CLAY COUNTY										
6N 8W 8CB 3	72-12-28	5.7	13	5.2	166	0	14	4.9	--	--
	73-06-05	--	--	--	--	--	--	--	--	.00
6N 8W21DD 1	73-05-31	3.5	11	5.3	180	0	11	3.8	1.0	2.2
7N 5W 2AA 1	72-12-28	9.8	24	5.5	259	0	33	15	--	--
	73-06-05	--	--	--	--	--	--	--	--	.05
8N 7W23BB 1	73-05-31	14	22	7.0	231	0	94	11	1.0	.06
8N 7W27DC 1	72-12-28	14	26	6.6	226	0	130	13	--	--
	73-06-04	--	--	--	--	--	--	--	--	.05
DAWSON COUNTY										
9N 19W19BAC 1	73-06-13	37	130	29	473	0	400	22	.5	--
9N 21W 5CB 1	73-06-13	47	210	38	457	0	570	38	.7	--
9N 21W 8BB 1	73-06-13	17	34	15	307	0	91	13	.4	--
10N 21W18DDO 1	73-09-20	19	19	13	365	0	77	14	.4	.01
DUNDY COUNTY										
2N 38W10DD 1	73-03-29	13	17	12	219	0	18	9.8	1.1	.13
4N 38W30BCC 1	73-03-29	12	16	11	212	0	15	2.1	.9	.09
FILLMORE COUNTY										
5N 4W12BC 1	73-07-26	4.9	44	6.5	123	0	17	23	.7	10
5N 4W12BD 1	72-12-27	7.8	23	7.1	205	0	30	15	--	--
	73-05-31	--	--	--	--	--	--	--	--	.05
7N 1W19AA 2	73-05-16	17	43	5.1	281	0	160	12	.3	.00
7N 3W36DB 1	72-12-27	11	25	4.4	221	0	58	14	--	--
	73-05-31	--	--	--	--	--	--	--	--	.10
8N 1W20DB 2	72-12-27	45	93	7.7	417	0	580	49	--	--
	73-05-31	--	--	--	--	--	--	--	--	.03
8N 2W26AD 1	73-05-15	75	120	18	443	0	1200	6.0	.4	.34
GAGE COUNTY										
2N 5E 8AD 1	73-05-23	15	26	3.4	322	0	58	15	1.0	.20
HALL COUNTY										
10N 11W19CA 1	73-06-13	18	21	6.3	294	0	66	24	.4	--
11N 10W 4CCB 1	73-07-17	12	28	10	258	0	78	16	.2	--
11N 10W14DCCR3	73-03-20	--	--	--	--	--	--	--	--	--
11N 10W15BC 1	73-06-12	6.5	9.9	7.2	110	0	27	9.8	.7	--
11N 10W16CRC 1	73-06-12	7.5	13	9.2	146	0	40	17	.3	--
11N 11W19CCB 2	73-07-17	40	69	18	379	0	580	34	.4	--

CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

LOCAL IDENT- 1- FILE	DATE OF SAMPLE	TOTAL NITRO- GEN (N) (MG/L) (00600)	TOTAL KJEL- NITRO- GEN (N) (MG/L) (00625)	DIS- SOLVED NITRITE (N) (MG/L) (00613)	DIS- SOLVED NITRATE (N) (MG/L) (00618)	DIS- SOLVED PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED MORON (R) (UG/L) (01020)	DIS- SOLVED SOLIDS (REST- DUE AT 180 C) (MG/L) (70300)
ADAMS COUNTY										
6N 11W17CP 1	73-05-30	.30	.25	.01	.05	.06	.26	.06	40	334
7N 9W110C 1	72-12-28	--	--	--	--	3.6	--	.17	--	--
	73-06-05	4.1	.00	--	--	--	.17	--	--	--
7N 10W23AR 1	73-05-30	3.2	.01	.01	2.9	2.9	.13	.09	40	243
8N 12W34BC 3	72-12-28	--	--	--	--	1.3	--	.20	--	--
	73-06-05	1.2	.05	--	--	--	.22	--	--	--
BANNER COUNTY										
20N53W30DA 1	73-08-30	--	--	--	--	.07	--	.06	950	--
BUFFALO COUNTY										
9N 14W 10C 1	73-09-19	2.3	2.3	.01	.00	.01	1.7	.04	90	1250
9N 14W130B 1	73-06-13	--	--	--	--	12	--	.10	160	--
9N 15W34BA 1	73-07-18	--	--	--	--	27	--	.02	120	--
9N 16W 6AA 1	73-06-13	--	--	--	--	.75	--	.07	0	--
9N 18W28AA 1	73-06-13	--	--	--	--	2.2	--	.06	30	--
10N 16W 5DC 1	73-09-21	.85	.01	.02	.75	.77	.14	.04	40	286
BUTLER COUNTY										
15N 1E27DD 1	73-06-28	3.4	3.2	.01	.00	.01	5.2	.05	20	144
CHASE COUNTY										
7N 41W11DAA 1	73-09-27	1.6	.02	.00	1.7	1.7	.11	.05	70	210
6N 41W21CCC 1	73-03-28	1.1	.11	.00	.97	.97	.02	.02	40	229
CHEYENNE COUNTY										
16N 49W 198BR1	73-06-21	1.8	.12	.00	1.7	1.7	.06	.04	60	251
CLAY COUNTY										
6N 8W 8CB 3	72-12-28	--	--	--	--	1.6	--	.26	20	--
	73-06-05	1.5	.00	--	--	--	.23	--	--	--
6N 8-210D 1	73-05-31	2.9	2.5	.00	.32	.32	1.5	.03	40	210
7N 5W 2AA 1	72-12-28	--	--	--	--	1.6	--	.22	--	--
	73-06-05	1.4	.05	--	--	--	.19	--	--	--
8N 7W23HB 1	73-05-31	.12	.12	.00	.03	.03	.15	.02	40	392
8N 7W27DC 1	72-12-28	--	--	--	--	.58	--	.21	--	--
	73-06-04	.28	.05	--	--	--	.17	--	--	--
DAWSON COUNTY										
9N 19W19BAC 1	73-06-13	--	--	--	--	5.7	--	.16	110	--
9N 21W 5CH 1	73-06-13	--	--	--	--	4.3	--	.16	260	--
9N 21W 8HB 1	73-06-13	--	--	--	--	1.3	--	.05	30	--
10N 21W18DDD 1	73-09-20	.14	.04	.01	.03	.04	.12	.11	60	479
DUNDY COUNTY										
2N 38W10DD 1	73-03-29	2.9	.16	.00	2.5	2.5	.05	.03	80	304
4N 38W30BCC 1	73-03-29	1.5	.12	.01	1.3	1.3	.05	.03	70	281
FILLMORE COUNTY										
5N 4W12-C 1	73-07-26	11	11	.00	.05	.05	--	.06	60	360
5N 4W12BD 1	72-12-27	--	--	--	--	2.9	--	.35	--	--
	73-05-31	2.9	.06	--	--	--	.36	--	--	--
7N 1W19AA 2	73-05-16	5.9	.12	.00	6.3	6.3	.36	.24	60	542
7N 3W36DB 1	72-12-27	--	--	--	--	2.0	--	.11	--	--
	73-05-31	.96	.16	--	--	--	.21	--	--	--
8N 1W20NB 2	72-12-27	--	--	--	--	20	--	.10	--	--
	73-05-31	2.7	.04	--	--	--	.27	--	--	--
8N 2W26AD 1	73-05-15	.77	.41	.00	1.0	1.0	.31	.06	180	2170
GAGE COUNTY										
2N 5E 8AD 1	73-05-23	1.3	.29	.01	.93	.94	.30	.01	80	442
HALL COUNTY										
10N 11W19CA 1	73-06-13	--	--	--	--	12	--	.33	770	--
11N 10W 4CCB 1	73-07-17	--	--	--	--	2.5	--	.05	260	--
11N 10W14DCCB3	73-03-20	--	--	--	--	--	--	--	--	--
11N 10W15BC 1	73-06-12	--	--	--	--	4.9	--	.15	0	--
11N 10W16CBC 1	73-06-12	--	--	--	--	.66	--	.04	140	--
11N 11W19CCB 2	73-07-17	--	--	--	--	.64	--	.02	80	--

CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

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LOCAL IDENT- IFIER	DATE OF SAMPLE	DIST- SOLVED (SUM OF CONSTITUENTS) (MG/L) (70301)	HARD- NESS (CA+MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SUMP- TION RATIO (00931)	SPEC- IFIC CON- DUCT- ANCE (MICRO- MOS) (00095)	PH (UNITS) (00400)	COLOR (PLAT- INUM- CUHALT UNITS) (00080)	DIST- SOLVED ALUM- INUM (AL) (UG/L) (01106)	DIST- SOLVED ARSENIC (AS) (UG/L) (01000)
ADAMS COUNTY										
6N 11W17CH 1	73-05-30	319	230	29	.5	520	7.1	2	0	11
7N 9W11DC 1	72-12-28	342	210	40	1.0	579	7.3	--	--	--
	73-06-05	--	--	--	--	568	--	--	0	1
7N 10W23AH 1	73-05-30	260	160	0	.6	385	7.1	2	40	5
8N 12W34BC 3	72-12-28	188	110	0	.4	276	7.3	--	--	--
	73-06-05	--	--	--	--	293	--	--	0	1
BANNER COUNTY										
20N 53W30DA 1	73-08-30	674	16	0	27	1010	8.2	1	--	--
BUFFALO COUNTY										
9N 14W 1DC 1	73-09-19	1270	680	260	2.3	1670	7.1	3	0	13
9N 14W13DB 1	73-06-13	901	510	230	1.7	1340	7.1	4	--	--
9N 15W34BA 1	73-07-18	890	530	330	1.3	1260	7.1	1	--	--
9N 16W 6AA 1	73-06-13	351	260	3	.2	529	7.2	2	--	--
9N 18W28AA 1	73-06-13	491	340	47	.4	722	7.1	2	--	--
10N 16W 5DC 1	73-09-21	289	210	3	.2	431	7.4	4	0	2
BUTLER COUNTY										
15N 1E27DD 1	73-06-28	137	47	0	1.7	243	7.0	3	10	0
CHASE COUNTY										
7N 41W11DAA 1	73-09-27	221	130	0	.6	321	7.6	1	0	39
6N 41W21CCC 1	73-03-28	221	130	0	.2	296	8.0	1	10	8
CHEYENNE COUNTY										
16N 49W 19BBH1	73-06-21	252	140	0	.5	344	7.7	3	10	6
CLAY COUNTY										
6N 8W 8CB 3	72-12-28	199	120	0	.5	300	7.2	--	--	--
	73-06-05	--	--	--	--	313	--	--	0	1
6N 8W21DD 1	73-05-31	204	140	0	.4	317	7.4	2	20	3
7N 5W 2AA 1	72-12-28	321	200	0	.7	498	7.4	--	--	--
	73-06-05	--	--	--	--	513	--	--	0	3
8N 7W23HH 1	73-05-31	375	250	64	.6	594	7.0	20	30	5
8N 7W27DC 1	72-12-28	424	270	89	.7	653	7.1	--	--	--
	73-06-04	--	--	--	--	475	--	--	0	1
DAWSON COUNTY										
9N 19W19BAC 1	73-06-13	1080	530	140	2.5	1510	7.1	3	--	--
9N 21W 5CB 1	73-06-13	1340	540	170	3.9	1840	7.1	3	--	--
9N 21W 8BB 1	73-06-13	484	280	28	.9	687	7.2	2	--	--
10N 21W18DDD 1	73-09-20	479	330	29	.5	697	7.4	2	0	2
DUNDY COUNTY										
2N 38W10DD 1	73-03-29	308	170	0	.6	432	7.8	1	10	11
4N 38W30BCC 1	73-03-29	277	150	0	.6	377	7.8	1	10	12
FILLMORE COUNTY										
5N 4W12BC 1	73-07-26	271	85	0	2.1	423	7.3	9	0	0
5N 4W12BD 1	72-12-27	287	160	0	.8	428	7.2	--	--	--
	73-05-31	--	--	--	--	450	--	--	0	0
7N 1W19AA 2	73-05-16	562	320	90	1.0	806	7.4	8	4	4
7N 3W36DB 1	72-12-27	325	210	31	.7	495	7.3	--	--	--
	73-05-31	--	--	--	--	476	--	--	0	3
8N 1W20DB 2	72-12-27	1390	910	570	1.3	1940	7.4	--	--	--
	73-05-31	--	--	--	--	695	--	--	0	5
8N 2W26AD 1	73-05-15	2070	1300	920	1.5	2410	7.3	10	4	3
GAGE COUNTY										
2N 5E 8AD 1	73-05-23	416	300	33	.7	663	7.1	2	0	6
HALL COUNTY										
10N 11W19CA 1	73-06-13	473	320	83	.5	762	7.0	3	--	--
11N 10W 4CCB 1	73-07-17	388	250	35	.8	620	7.3	1	--	--
11N 10W14DCCB3	73-03-20	--	--	--	--	--	--	--	--	--
11N 10W15BC 1	73-06-12	204	120	31	.4	311	7.1	2	--	--
11N 10W16CBC 1	73-06-12	237	150	31	.5	378	7.1	7	--	--
11N 11W19CCB 2	73-07-17	1220	760	450	1.1	1590	7.0	4	--	--

CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED BARIUM (BA) (UG/L) (01005)	DIS- SOLVED BERYL- LIUM (RE) (UG/L) (01010)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	DIS- SOLVED COBALT (CO) (UG/L) (01035)	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	DIS- SOLVED LITHIUM (LI) (UG/L) (01130)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)
ADAMS COUNTY										
6N 11w17CB 1	73-05-30	400	0	0	0	0	3	1	10	.1
7N 9w11DC 1	72-12-28	--	--	--	--	--	--	--	--	--
	73-06-05	0	0	1	0	0	4	0	20	.3
7N 10w23AB 1	73-05-30	200	0	1	0	0	6	0	10	.1
8N 12w34BC 3	72-12-28	--	--	--	--	--	--	--	--	--
	73-06-05	200	0	0	0	0	14	0	20	.1
BANNER COUNTY										
20N 53W30DA 1	73-08-30	--	--	--	--	--	--	--	--	--
BUFFALO COUNTY										
9N 14w 1DC 1	73-09-19	0	0	2	0	0	2	2	50	2.0
9N 14w13DH 1	73-06-13	--	--	--	--	--	40	--	--	--
9N 15w34BA 1	73-07-18	--	--	--	--	--	10	--	--	--
9N 16w 6AA 1	73-06-13	--	--	--	--	--	70	--	--	--
9N 18w28AA 1	73-06-13	--	--	--	--	--	30	--	--	--
10N 16w 5DC 1	73-09-21	100	0	0	0	0	0	1	20	.0
BUTLER COUNTY										
15N 1E27DD 1	73-06-28	0	0	1	0	0	4	1	20	.1
CHASE COUNTY										
7N 41W11DAA 1	73-09-27	0	0	1	0	0	3	2	20	13
6N 41w21CCC 1	73-03-28	100	0	0	0	1	1	0	20	.0
CHEYENNE COUNTY										
16N 49w 19HRR1	73-06-21	0	0	0	0	1	4	1	20	.3
CLAY COUNTY										
6N 8w 8CB 3	72-12-28	--	--	--	--	--	--	--	--	--
	73-06-05	200	0	0	0	0	8	0	10	.1
6N 8w21DD 1	73-05-31	200	0	2	0	0	8	0	0	.2
7N 5w 2AA 1	72-12-28	--	--	--	--	--	--	--	--	--
	73-06-05	300	0	0	0	0	6	0	20	.1
8N 7w23RB 1	73-05-31	200	0	0	0	1	2	0	10	.0
8N 7w27DC 1	72-12-28	--	--	--	--	--	--	--	--	--
	73-06-04	0	0	0	0	0	6	0	20	.0
DAWSON COUNTY										
9N 19w19BAC 1	73-06-13	--	--	--	--	--	20	--	--	--
9N 21w 5CB 1	73-06-13	--	--	--	--	--	40	--	--	--
9N 21w 8HR 1	73-06-13	--	--	--	--	--	10	--	--	--
10N 21w18DDU 1	73-09-20	0	0	0	0	0	1	1	30	1.6
DUNDY COUNTY										
2N 38w10DD 1	73-03-29	400	0	1	0	2	1	0	30	.0
4N 38w30BCC 1	73-03-29	100	0	1	0	1	2	0	20	.0
FILLMORE COUNTY										
5N 4w12RC 1	73-07-26	200	0	3	0	10	10	2	20	.0
5N 4w12BD 1	72-12-27	--	--	--	--	--	--	--	--	--
	73-05-31	200	0	0	0	1	20	0	20	.1
7N 1w19AA 2	73-05-16	0	0	2	0	1	10	1	20	.0
7N 3w36DB 1	72-12-27	--	--	--	--	--	--	--	--	--
	73-05-31	100	0	0	0	0	3	1	10	.1
8N 1w20DR 2	72-12-27	--	--	--	--	--	--	--	--	--
	73-05-31	100	0	1	0	0	7	1	20	--
8N 2w26AD 1	73-05-15	0	0	2	0	1	5	1	80	.0
GAGE COUNTY										
2N 5E HAD 1	73-05-23	200	0	0	0	1	3	1	20	.1
HALL COUNTY										
10N 11w19CA 1	73-06-13	--	--	--	--	--	10	--	--	--
11N 10w 4CCB 1	73-07-17	--	--	--	--	--	7	--	--	--
11N 10w14DCC-3	73-03-20	--	--	--	--	--	--	--	--	--
11N 10w19BC 1	73-06-12	--	--	--	--	--	20	--	--	--
11N 10-16CBC 1	73-06-12	--	--	--	--	--	10	--	--	--
11N 11w19CCB 2	73-07-17	--	--	--	--	--	10	--	--	--

CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

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LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED MOLYB- DENUM (MO) (UG/L) (01060)	DIS- SOLVED NICKEL (NI) (UG/L) (01065)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)	DIS- SOLVED SILVER (AG) (UG/L) (01075)	DIS- SOLVED STRON- TIUM (SR) (UG/L) (01080)	DIS- SOLVED VANA- DIUM (V) (UG/L) (01085)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
ADAMS COUNTY								
6N 11W17CB 1	73-05-30	3	0	0	0	380	.4	10
7N 9W11DC 1	72-12-28	--	--	--	--	--	--	--
7N 10W23AB 1	73-06-05	3	0	2	0	330	4.0	10
8N 12W34BC 3	73-05-30	2	1	2	0	250	3.1	40
	72-12-28	--	--	--	--	--	--	--
	73-06-05	3	1	0	0	200	5.4	10
BANNER COUNTY								
20N 53W30DA 1	73-08-30	--	--	--	--	--	--	--
BUFFALO COUNTY								
9N 14W 1DC 1	73-09-19	21	0	5	0	1000	.0	--
9N 14W13DB 1	73-06-13	--	--	--	--	--	--	520
9N 15W34BA 1	73-07-18	--	--	--	--	--	--	20
9N 16W 6AA 1	73-06-13	--	--	--	--	--	--	1000
9N 18W28AA 1	73-06-13	--	--	--	--	--	--	30
10N 16W 5DC 1	73-09-21	2	0	4	0	340	3.4	20
BUTLER COUNTY								
15N 1E27DD 1	73-06-28	9	2	3	0	80	1.0	0
CHASE COUNTY								
7N 41W11DAA 1	73-09-27	6	0	12	0	340	1.8	20
6N 41W21CCC 1	73-03-28	1	4	1	1	380	3.8	0
CHEYENNE COUNTY								
16N 49W 19BBB 1	73-06-21	2	5	10	0	380	2.6	10
CLAY COUNTY								
6N 8W 8CB 3	72-12-28	--	--	--	--	--	--	--
	73-06-05	2	0	9	0	180	6.4	10
6N 8W21DD 1	73-05-31	3	1	5	0	180	1.5	20
7N 5W 2AA 1	72-12-28	--	--	--	--	--	--	--
	73-06-05	2	0	20	0	290	1.6	10
8N 7W23BB 1	73-05-31	3	0	4	0	470	.7	10
8N 7W27DC 1	72-12-28	--	--	--	--	--	--	--
	73-06-04	2	1	0	0	310	2.2	10
DAWSON COUNTY								
9N 19W19BAC 1	73-06-13	--	--	--	--	--	--	30
9N 21W 5CB 1	73-06-13	--	--	--	--	--	--	30
9N 21W 8BB 1	73-06-13	--	--	--	--	--	--	20
10N 21W18DDD 1	73-09-20	4	0	2	0	730	6.3	30
DUNDY COUNTY								
2N 38W10DD 1	73-03-29	5	4	1	1	340	35	10
4N 38W30BCC 1	73-03-29	8	4	0	1	410	30	0
FILLMORE COUNTY								
5N 4W12BC 1	73-07-26	4	14	10	0	140	16	--
5N 4W12BD 1	72-12-27	--	--	--	--	--	--	--
	73-05-31	2	2	15	1	190	6.2	110
7N 1W19AA 2	73-05-16	1	5	28	1	400	13	40
7N 3W36DB 1	72-12-27	--	--	--	--	--	--	--
	73-05-31	2	0	4	1	290	1.1	20
8N 1W20DB 2	72-12-27	--	--	--	--	--	--	--
	73-05-31	4	0	4	1	460	7.1	20
8N 2W26AD 1	73-05-15	11	7	4	0	2000	10	--
GAGE COUNTY								
2N 5E 8AD 1	73-05-23	0	1	11	0	680	.3	10
HALL COUNTY								
10N 11W19CA 1	73-07-13	--	--	--	--	--	--	20
11N 10W 4CCB 1	73-07-17	--	--	--	--	--	--	40
11N 10W14DCCR3	73-03-20	--	--	--	--	--	--	--
11N 10W15HC 1	73-06-12	--	--	--	--	--	--	30
11N 10W16CHC 1	73-06-12	--	--	--	--	--	--	40
11N 11W19CCH 2	73-07-17	--	--	--	--	--	--	30

CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

LOCAL IDENT- I- FIELD	LAT- I- TITUDE	LONG- I- TITUDE	SEQ. NO.	GEO- LOGIC UNIT	TOTAL DEPTH OF WELL (FT) (72008)	DATE OF SAMPLE	DIS- SOLVED SILICA (SIOP) (MG/L) (00955)	DIS- SOLVED IRON (FE) (MG/L) (01046)	DIS- SOLVED MANGANESE (MN) (MG/L) (01056)	DIS- SOLVED CALCIUM (CA) (MG/L) (00915)
HALL COUNTY										
11N 11W25CC 1	40 53 15	098 30 43	01	112SDGV	37	73-09-18	9.6	50	40	58
11N 11W35HCC 1	40 52 50	098 31 46	01	112SDGV	69	73-06-12	29	50	0	77
12N 9W 8HCC 1	41 01 32	098 22 32	01	112SDGV	74	73-07-17	50	30	40	42
12N 9W11CC 1	41 01 11	098 19 04	01	112SDGV	58	73-07-18	37	200	370	66
12N 10W31DCD 1	40 57 38	098 28 45	01	112SDGV	50	73-06-12	44	2300	510	110
12N 12W24AB 2	41 00 05	098 36 52	02	112SDGV	118	73-06-13	48	130	470	84
HAMILTON COUNTY										
9N 7W 6DAI 2	40 46 33	098 09 12	02	112SDGV	190	72-12-28	30	--	--	80
				112SDGV	190	73-06-04	--	--	--	--
10N 6W 4CB 1	40 51 47	098 00 45	01	112SDGV	248	72-12-28	28	--	--	50
				112SDGV	248	73-06-01	--	--	--	--
10N 6W26BC 1	40 48 25	097 58 33	01	112SDGV	131	73-06-05	32	270	130	67
12N 5W23CCC 1	40 59 21	097 51 47	01	112SDGV	189	73-06-07	36	3300	360	79
JEFFERSON COUNTY										
4N 1F11AA 1	40 16 26	097 21 07	01	112SDGV	210	73-06-06	29	1100	60	34
4N 3F13DA 1	40 18 37	097 01 53	01	112SDGV	237	73-05-23	32	1100	160	47
KIMBALL COUNTY										
15N 55W 7ABH 1	41 17 39	103 40 15	01	1210GLL	314	73-03-27	46	9	0	37
LANCASTER COUNTY										
8N 7E22BAHH1	40 39 09	096 37 22	01	112TILL	100	72-10-04	28	220	3100	400
10N 6E14CHAD1	40 50 02	096 42 59	01	110SDGV	24	73-07-18	--	110	220	41
10N 6E15DDDA1	40 49 46	096 43 15	01	110SDGV	24	73-07-19	--	70	180	34
10N 7E 4BBBA1	40 52 14	096 38 32	01	110SDGV	25	73-03-21	--	210	20	4.6
10N 7E 4BBDC1	40 52 05	096 38 32	01	110SDGV	33	73-03-21	--	70	320	67
10N 7E 5AAAH1	40 52 14	096 38 42	01	110SDGV	38	73-04-02	--	420	750	63
10N 7E 5AABC1	40 52 13	096 38 53	01	110SDGV	50	73-04-16	--	220	180	8.7
10N 7E 5AACB1	40 52 11	096 38 52	01	110SDGV	23	73-08-23	--	60	17000	220
10N 7E 5AACCC1	40 52 04	096 38 53	01	110SDGV	50	73-03-23	--	280	590	2.5
10N 7E 5AADA1	40 52 10	096 38 39	01	110SDGV	39	73-03-19	--	50	80	71
10N 7E 5AADCC1	40 52 05	096 38 43	01	110SDGV	50	73-04-02	29	260	120	23
				110SDGV	50	73-05-25	29	20	130	24
10N 7E 5AHBA1	40 52 15	096 39 04	01	110SDGV	40	73-04-16	--	340	3500	56
10N 7E 5ABCD1	40 52 04	096 39 04	01	110SDGV	40	73-03-30	--	590	230	85
10N 7E 5ACCA1	40 51 57	096 39 02	01	2110KOT	45	73-03-30	--	150	30	3.0
10N 7E 5ADCB1	40 51 57	096 38 53	01	110SDGV	26	73-03-30	--	80	80	53
10N 7E 5ADDB1	40 51 57	096 38 42	01	110SDGV	35	73-03-30	--	70	370	36
10N 7E 5BADC1	40 52 04	096 39 16	01	110SDGV	33	73-04-03	--	130	730	180
10N 7E 5BBAC1	40 52 11	096 39 33	01	110SDGV	33	73-04-03	24	60	120	60
11N 7E32ACDA1	40 52 48	096 38 53	01	110SDGV	50	73-07-18	--	50	60	27
11N 7E32ADDB1	40 52 47	096 38 42	01	110SDGV	50	73-07-18	--	50	120	71
11N 7E32ADDD1	40 52 45	096 38 38	01	110SDGV	39	73-04-04	--	620	220	40
11N 7E32CACCC1	40 52 33	096 39 23	01	110SDGV	33	73-04-03	--	260	50	12
11N 7E32CADCC1	40 52 32	096 39 15	01	110SDGV	33	73-04-03	--	100	250	33
11N 7E32CCCA1	40 52 21	096 38 32	01	110SDGV	33	73-04-19	--	20	430	9.3
11N 7E32DAAC1	40 52 38	096 38 42	01	110SDGV	40	73-04-04	--	80	50	15
11N 7E32DABC1	40 52 40	096 38 52	01	110SDGV	40	73-04-04	--	70	290	61
11N 7E32DACC1	40 52 30	096 38 53	01	110SDGV	43	73-04-17	27	40	370	44
11N 7E32DBBD1	40 52 39	096 39 03	01	110SDGV	43	73-04-04	--	30	90	44
11N 7E32DBCD1	40 52 31	096 39 04	01	110SDGV	38	73-04-02	--	40	560	91
11N 7E32DCCA1	40 52 23	096 39 03	01	110SDGV	54	73-04-16	--	50	2600	130
11N 7E32DCDA1	40 52 22	096 38 53	01	110SDGV	40	73-04-17	--	230	1200	82
11N 7E32DDAA1	40 52 27	096 38 39	01	110SDGV	39	73-03-19	--	240	90	14
11N 7E32DDAB1	40 52 29	096 38 42	01	110SDGV	27	73-04-02	--	50	1400	83
11N 7E32DDDB1	40 52 22	096 38 44	01	110SDGV	35	73-04-04	--	180	2000	51
11N 7E33CBAB1	40 52 56	096 38 31	01	110SDGV	33	73-04-19	--	1800	6400	370
11N 7E33BCCA1	40 52 47	096 38 31	01	110SDGV	33	73-04-23	--	13000	6600	610
11N 7E33CBBD1	40 52 38	096 38 31	01	110SDGV	33	73-04-19	--	50	110	27
11N 7E33CCBA1	40 52 29	096 38 32	01	110SDGV	33	73-04-18	23	60	560	17
MC PHERSON COUNTY										
19N 31W11BAD 1	41 38 11	100 51 30	01	112SDGV	283	73-07-20	56	0	0	18
19N 31W12CAC 1	41 37 46	100 50 27	01	112SDGV	260	73-07-20	54	0	0	23
MERRICK COUNTY										
12N 8W36BC 1	40 57 55	098 11 13	01	110SDGV	8.0	73-09-14	27	0	10	120
13N 6W 9AC 1	41 06 51	098 00 31	01	112SDGV	45	73-06-12	34	220	630	94
13N 7W 5CR 1	41 07 27	098 08 58	01	112SDGV	105	73-07-17	36	10	0	46
13N 7W27BC 1	41 04 12	098 06 42	01	112SDGV	40	73-07-17	26	20	220	120
14N 5W 1ACC 1	41 12 49	097 50 18	01	112SDGV	26	73-06-12	15	20	560	110
14N 6W 5DA 1	41 12 43	098 01 23	01	112SDGV	49	73-07-17	32	30	0	47

CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

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LOCAL IDENT- I- FIELD	DATE OF SAMPLE	DIS- SOLVED MAG- NE- SIUM (MG) (000925)	DIS- SOLVED SODIUM (NA) (MG/L) (000930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (000935)	BICAR- BONATE (HCO3) (MG/L) (000440)	CAR- BONATE (CO3) (MG/L) (000445)	DIS- SOLVED SULFATE (SO4) (MG/L) (000945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (000940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (000950)	ORGANIC NITRO- GEN (N) (MG/L) (000605)
HALL COUNTY										
11N 11W25CC 1	73-09-18	4.7	33	12	224	0	23	5.8	.5	.97
11N 11W35HCC 1	73-06-12	13	18	5.5	262	0	67	8.6	1.0	--
12N 9W BRCC 1	73-07-17	7.9	7.5	9.1	176	0	15	2.9	.4	--
12N 9W11CC 1	73-07-18	12	18	10	253	0	42	5.3	.6	--
12N 10W31UCU 1	73-06-12	18	31	9.4	352	0	120	6.3	.3	--
12N 12W24AB 2	73-06-13	13	23	9.2	342	0	39	13	.3	--
HAMILTON COUNTY										
9N 7W 6DAD 2	72-12-28	14	27	5.2	241	0	100	12	--	--
	73-06-04	--	--	--	--	--	--	--	--	.10
10N 6W 4CR 1	72-12-28	7.9	19	4.5	201	0	38	7.3	--	--
	73-06-01	--	--	--	--	--	--	--	--	.08
10N 6W26BC 1	73-06-05	11	20	7.6	232	0	28	15	1.0	.48
12N 5W23CCC 1	73-06-07	13	27	7.6	254	0	76	14	1.0	.08
JEFFERSON COUNTY										
4N 1E31AA 1	73-06-06	4.2	16	4.8	140	0	8.4	3.6	1.1	.06
4N 3E13DA 1	73-05-23	7.9	13	5.0	174	0	23	13	1.1	.19
KIMBALL COUNTY										
15N 55W 7ABH 1	73-03-27	8.4	9.6	4.3	150	0	10	3.6	.5	.19
LANCASTER COUNTY										
8N 7E22BABR1	72-10-04	160	110	14	414	0	1400	25	.5	--
10N 6E14CBAD1	73-07-18	16	--	--	--	--	220	1900	--	--
10N 6E15DDDA1	73-07-19	16	--	--	--	--	240	2600	--	--
10N 7E 4BHHAL	73-03-21	.6	--	--	--	--	130	210	--	--
10N 7E 4BHCDA1	73-03-21	18	--	--	--	--	180	67	--	--
10N 7E 5AAAB1	73-04-02	32	--	--	--	--	170	3900	--	--
10N 7E 5AAB1	73-04-16	2.7	--	--	--	--	290	1500	--	--
10N 7E 5AACB1	73-08-23	55	--	--	--	--	14	1100	--	--
10N 7E 5AAC1	73-03-23	.4	--	--	--	--	39	38	--	--
10N 7E 5AADA1	73-03-19	23	--	--	--	--	400	140	--	--
10N 7E 5AAD1	73-04-02	9.3	190	4.4	311	0	100	180	.5	--
	73-05-25	9.8	180	4.7	320	0	92	110	.5	--
10N 7E 5ABBA1	73-04-16	12	--	--	--	--	20	73	--	--
10N 7E 5ABCD1	73-03-30	36	--	--	--	--	1200	7200	--	--
10N 7E 5ACCA1	73-03-30	.4	--	--	--	--	39	95	--	--
10N 7E 5ADCB1	73-03-30	14	--	--	--	--	84	60	--	--
10N 7E 5ADDB1	73-03-30	11	--	--	--	--	100	190	--	--
10N 7E 5BAD1	73-04-03	63	--	--	--	--	1400	9000	--	--
10N 7E 5BBAC1	73-04-03	25	4200	24	1180	0	900	5700	3.0	--
11N 7E32ACDA1	73-07-18	11	--	--	--	--	630	2100	--	--
11N 7E32ADDB1	73-07-18	30	--	--	--	--	630	2800	--	--
11N 7E32ADDD1	73-04-04	14	--	--	--	--	390	1500	--	--
11N 7E32CACC1	73-04-03	2.6	--	--	--	--	350	490	--	--
11N 7E32CAD1	73-04-03	9.6	--	--	--	--	510	2000	--	--
11N 7E32CCCA1	73-04-19	2.6	--	--	--	--	310	900	--	--
11N 7E32DAAC1	73-04-04	3.5	--	--	--	--	130	200	--	--
11N 7E32DAB1	73-04-04	25	--	--	--	--	1200	4700	--	--
11N 7E32DACC1	73-04-17	17	3100	16	1280	0	610	3700	1.8	--
11N 7E32DBBD1	73-04-04	18	--	--	--	--	730	3300	--	--
11N 7E32DBCD1	73-04-02	27	--	--	--	--	830	4200	--	--
11N 7E32DCCA1	73-04-16	25	--	--	--	--	480	2400	--	--
11N 7E32DCCDA1	73-04-17	66	--	--	--	--	720	4900	--	--
11N 7E32DDAA1	73-03-19	5.9	--	--	--	--	450	1600	--	--
11N 7E32DDB1	73-04-02	24	--	--	--	--	150	210	--	--
11N 7E32DDDB1	73-04-04	11	--	--	--	--	230	320	--	--
11N 7E33CB1	73-04-19	74	--	--	--	--	530	2200	--	--
11N 7E33BCCA1	73-04-23	120	--	--	--	--	1100	6000	--	--
11N 7E33CBBD1	73-04-19	9.2	--	--	--	--	340	1900	--	--
11N 7E33CCBA1	73-04-18	4.7	1400	8.2	489	0	280	1600	3.2	--
MC PHERSON COUNTY										
19N 31W11BAD 1	73-07-20	2.4	6.4	3.6	84	0	4.1	1.6	.4	.00
19N 31W12CAC 1	73-07-20	2.7	6.8	3.9	96	0	4.0	1.3	.3	.00
MERRICK COUNTY										
12N 8W36BC 1	73-09-14	27	56	11	360	0	150	17	.5	.00
13N 6W 9AC 1	73-06-12	20	38	8.0	234	0	190	9.8	.3	--
13N 7W 5CB 1	73-07-17	8.5	11	6.1	138	0	27	4.4	.3	--
13N 7W27BC 1	73-07-17	27	52	14	363	0	160	25	.8	--
14N 5W 1ACC 1	73-06-12	28	74	15	387	0	170	34	1.3	--
14N 6W 5DA 1	73-07-17	6.1	6.6	4.6	65	0	28	11	.2	--

CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

LOCAL IDENT- 1- FIELD	DATE OF SAMPLE	TOTAL NITRO- GEN (N) (MG/L) (00600)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L) (00625)	DIS- SOLVED NITRITE (N) (MG/L) (00613)	DIS- SOLVED NITRATE (N) (MG/L) (00618)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)
HALL COUNTY										
11N 11W25CC 1	73-09-18	4.6	1.6	.00	2.9	2.9	.52	.02	70	269
11N 11W35ECC 1	73-06-12	--	--	--	--	1.8	--	.16	0	--
12N 9W 8BCC 1	73-07-17	--	--	--	--	.71	--	.35	20	--
12N 9W11CC 1	73-07-18	--	--	--	--	.05	--	.08	40	--
12N 10W31UCD 1	73-06-12	--	--	--	--	.01	--	.06	0	--
12N 12W24AB 2	73-06-13	--	--	--	--	.04	--	.45	50	--
HAMILTON COUNTY										
9N 7W 6DAD 2	72-12-28	--	--	--	--	1.3	--	.24	--	--
	73-06-04	2.0	.15	--	--	--	.26	--	--	--
10N 6W 4CH 1	72-12-28	--	--	--	--	.89	--	.19	--	--
	73-06-01	.71	.69	--	--	--	.21	--	--	--
10N 6W26BC 1	73-06-05	7.5	.89	.02	6.8	6.8	.34	.18	40	344
12N 5W23CCC 1	73-06-07	.62	.17	.01	.37	.38	.27	.02	50	408
JEFFERSON COUNTY										
4N 1F31AA 1	73-06-06	.42	.09	.00	.20	.20	.35	.08	20	158
4N 3E13DA 1	73-05-23	1.1	.26	.02	.93	.95	.46	.02	30	249
KIMBALL COUNTY										
15N 55W 7ABB 1	73-03-27	3.0	.20	.00	2.7	2.7	.02	.02	50	217
LANCASTER COUNTY										
8N 7E22B4BR1	72-10-04	--	--	--	--	2.4	--	.02	530	--
10N 6E14CBAD1	73-07-18	--	--	--	--	.00	--	.05	--	--
10N 6E15DDDA1	73-07-19	--	--	--	--	.00	--	.02	--	--
10N 7E 4BBBA1	73-03-21	--	--	--	--	.03	--	2.4	--	--
10N 7E 4BBBD1	73-03-21	--	--	--	--	.16	--	.40	--	--
10N 7E 5AAAR1	73-04-02	--	--	--	--	.03	--	.23	--	--
10N 7E 5AABC1	73-04-16	--	--	--	--	.00	--	.08	--	--
10N 7E 5AACR1	73-08-23	--	--	--	--	.01	--	.06	--	--
10N 7E 5AACCL	73-03-23	--	--	--	--	.00	--	2.9	--	--
10N 7E 5AADAL	73-03-19	--	--	--	--	3.8	--	.11	--	--
10N 7E 5AADCL	73-04-02	--	--	--	--	.68	--	.26	140	--
	73-05-25	--	--	--	--	.42	--	.27	140	--
10N 7E 5ABBA1	73-04-16	--	--	--	--	.00	--	2.8	--	--
10N 7E 5ABCD1	73-03-30	--	--	--	--	.01	--	.10	--	--
10N 7E 5ACCA1	73-03-30	--	--	--	--	.06	--	.69	--	--
10N 7E 5ADCR1	73-03-30	--	--	--	--	6.1	--	.25	--	--
10N 7E 5ADDD1	73-03-30	--	--	--	--	1.3	--	.35	--	--
10N 7E 5BADC1	73-04-03	--	--	--	--	.02	--	.42	--	--
10N 7E 5BBAC1	73-04-03	--	--	--	--	.05	--	.18	3500	--
11N 7E32ACDA1	73-07-18	--	--	--	--	.01	--	.01	--	--
11N 7E 32ADDH1	73-07-18	--	--	--	--	.07	--	.03	--	--
11N 7E 32ADDU1	73-04-04	--	--	--	--	.02	--	.38	--	--
11N 7E 32CACC1	73-04-03	--	--	--	--	.01	--	3.3	--	--
11N 7E 32CAUC1	73-04-03	--	--	--	--	.00	--	3.8	--	--
11N 7E32CCCA1	73-04-19	--	--	--	--	.02	--	1.1	--	--
11N 7E 32DAAC1	73-04-04	--	--	--	--	.06	--	1.5	--	--
11N 7E 32DABC1	73-04-04	--	--	--	--	.01	--	.22	--	--
11N 7E 32DAAC1	73-04-17	--	--	--	--	.07	--	2.0	1300	--
11N 7E 32DBBH1	73-04-04	--	--	--	--	.01	--	.09	--	--
11N 7E 32DBCD1	73-04-02	--	--	--	--	.00	--	4.0	--	--
11N 7E 32DCCA1	73-04-16	--	--	--	--	.02	--	1.5	--	--
11N 7E 32DDDA1	73-04-17	--	--	--	--	.03	--	.54	--	--
11N 7E 32DDAA1	73-03-19	--	--	--	--	.01	--	.85	--	--
11N 7E 32DDAH1	73-04-02	--	--	--	--	.00	--	.99	--	--
11N 7E 32DDDH1	73-04-04	--	--	--	--	.05	--	6.4	--	--
11N 7E 33CHCA1	73-04-19	--	--	--	--	.00	--	.04	--	--
11N 7E 33BCCA1	73-04-23	--	--	--	--	.04	--	.04	--	--
11N 7E 33CHBD1	73-04-19	--	--	--	--	.00	--	.67	--	--
11N 7E 33CCHA1	73-04-18	--	--	--	--	.01	--	1.5	1300	--
MC PHERSON COUNTY										
19N 31W11RAD 1	73-07-20	.84	.12	.00	.58	.58	.32	.29	10	151
19N 31W12CAC 1	73-07-20	.34	.64	.00	.29	.29	.15	.12	50	155
MERRICK COUNTY										
12N 8-36HC 1	73-09-14	15	.15	.01	15	15	.07	.06	80	635
13N 6W 9AC 1	73-06-12	--	--	--	--	.04	--	.08	60	--
13N 7W 5CB 1	73-07-17	--	--	--	--	9.1	--	.22	80	--
13N 7W 27HC 1	73-07-17	--	--	--	--	19	--	.26	100	--
14N 5W 1ACC 1	73-06-12	--	--	--	--	2.5	--	.05	770	--
14N 6W 5DA 1	73-07-17	--	--	--	--	17	--	.14	40	--

CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

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LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	HARD- NESS (CA, MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	DIS- SOLVED ALUM- INUM (AL) (UG/L) (01105)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)
HALL COUNTY										
11N 11W25CC 1	73-09-18	286	160	0	1.1	384	7.2	3	0	0
11N 11W358CC 1	73-06-12	357	250	31	.5	570	7.0	2	--	--
12N 9W 88CC 1	73-07-17	225	140	0	.3	320	7.4	1	--	--
12N 9W11CC 1	73-07-18	317	210	7	.5	495	7.2	3	--	--
12N 10W310CD 1	73-06-12	516	350	60	.7	771	7.0	30	--	--
12N 12W24AB 2	73-06-13	399	260	0	.6	617	7.1	4	--	--
HAMILTON COUNTY										
9N 7W 60AD 2	72-12-28	392	260	60	.7	617	7.8	--	--	--
	73-06-04	--	--	--	--	625	--	--	0	5
10N 6W 4CB 1	72-12-28	257	160	0	.7	404	7.5	--	--	--
	73-06-01	--	--	--	--	395	--	--	10	2
10N 6W26BC 1	73-06-05	358	210	23	.6	519	6.9	3	40	10
12N 5W23CCC 1	73-06-07	387	250	43	.7	601	7.1	2	0	6
JEFFERSON COUNTY										
4N 1E31AA 1	73-06-06	174	100	0	.7	247	7.0	10	0	1
4N 3E13DA 1	73-05-23	238	150	8	.5	370	7.0	10	10	3
KIMBALL COUNTY										
15N 55W 7AB 1	73-03-27	218	130	4	.4	291	8.0	1	10	5
LANCASTER COUNTY										
8W 7E22BAB 1	72-10-04	2360	1700	1300	1.2	2730	7.0	0	--	--
10N 6E14CBAD 1	73-07-18	--	168	--	--	8880	--	--	--	--
10N 6E15DDDA 1	73-07-19	--	151	--	--	9610	--	--	--	--
10N 7E 488BA 1	73-03-21	--	14	--	--	1590	--	--	--	--
10N 7E 488CD 1	73-03-21	--	240	--	--	1060	--	--	--	--
10N 7E 5AAAR 1	73-04-02	--	290	--	--	15300	--	--	--	--
10N 7E 5AABC 1	73-04-16	--	32	--	--	5570	--	--	--	--
10N 7E 5AACH 1	73-08-23	--	780	--	--	5680	--	--	--	--
10N 7E 5AACCC 1	73-03-23	--	7	--	--	1040	--	--	--	--
10N 7E 5AADA 1	73-03-19	--	270	--	--	1770	--	--	--	--
10N 7E 5AADCC 1	73-04-02	693	96	0	8.5	1040	7.1	4	--	--
	73-05-25	610	100	0	7.8	1010	7.3	20	--	--
10N 7E 5ABBA 1	73-04-16	--	189	--	--	4030	--	--	--	--
10N 7E 5ABCD 1	73-03-30	--	360	--	--	22700	--	--	--	--
10N 7E 5ACCA 1	73-03-30	--	9	--	--	1250	--	--	--	--
10N 7E 5ADCB 1	73-03-30	--	190	--	--	831	--	--	--	--
10N 7E 5ADDB 1	73-03-30	--	140	--	--	1250	--	--	--	--
10N 7E 5BADC 1	73-04-03	--	710	--	--	28700	--	--	--	--
10N 7E 5BBAC 1	73-04-03	11500	250	0	115	19100	7.9	50	--	--
11N 7E32ACDA 1	73-07-18	--	110	--	--	8720	--	--	--	--
11N 7E32ADD 1	73-07-18	--	300	--	--	10300	--	--	--	--
11N 7E32ADD 1	73-04-04	--	160	--	--	6330	--	--	--	--
11N 7E32ACCC 1	73-04-03	--	41	--	--	4280	--	--	--	--
11N 7E32CACD 1	73-04-03	--	122	--	--	8960	--	--	--	--
11N 7E32CCCA 1	73-04-19	--	36	--	--	3850	--	--	--	--
11N 7E32DAAC 1	73-04-04	--	52	--	--	1760	--	--	--	--
11N 7E32DABC 1	73-04-04	--	260	--	--	17000	--	--	--	--
11N 7E32DACC 1	73-04-17	8150	180	0	101	13100	7.6	30	--	--
11N 7E32DBBD 1	73-04-04	--	180	--	--	12500	--	--	--	--
11N 7E32DBCD 1	73-04-02	--	338	--	--	15200	--	--	--	--
11N 7E32DCCA 1	73-04-16	--	430	--	--	9720	--	--	--	--
11N 7E32DCCA 1	73-04-17	--	480	--	--	18200	--	--	--	--
11N 7E32DDAA 1	73-03-19	--	59	--	--	6510	--	--	--	--
11N 7E32DDAR 1	73-04-02	--	306	--	--	1860	--	--	--	--
11N 7E32DDDR 1	73-04-04	--	170	--	--	3590	--	--	--	--
11N 7E33BCBA 1	73-04-19	--	1229	--	--	7880	--	--	--	--
11N 7E33BCCA 1	73-04-23	--	2000	--	--	19000	--	--	--	--
11N 7E33CBBD 1	73-04-19	--	105	--	--	7200	--	--	--	--
11N 7E33CCBA 1	73-04-18	3580	62	0	78	5510	7.8	20	--	--
MC PHERSON COUNTY										
19N 31W11BAD 1	73-07-20	137	55	0	.4	147	7.7	4	0	8
19N 31W12CAC 1	73-07-20	145	69	0	.4	160	7.7	2	0	8
MERRICK COUNTY										
12N 8W36RC 1	73-09-14	653	410	120	1.2	967	7.3	1	0	4
13N 6W 9AC 1	73-06-12	511	320	130	.9	759	6.9	3	--	--
13N 7W 5CH 1	73-07-17	248	150	37	.4	366	7.0	1	--	--
13N 7W27HC 1	73-07-17	688	410	110	1.1	1060	7.0	4	--	--
14N 5W 1ACC 1	73-06-12	651	390	73	1.6	1020	7.1	7	--	--
14N 6W 5DA 1	73-07-17	243	140	89	.2	356	6.9	1	--	--

CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

LOCAL IDENT- IFIER	DATE OF SAMPLE	DIS- SOLVED BARIUM (BA) (UG/L) (01005)	DIS- SOLVED BERYL- LIUM (BE) (UG/L) (01010)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	DIS- SOLVED COBALT (CO) (UG/L) (01035)	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	DIS- SOLVED LITHIUM (LI) (UG/L) (01130)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)
HALL COUNTY										
11N 11W25CC 1	73-09-18	100	0	6	0	0	10	2	30	.0
11N 11W35BCC 1	73-06-12	--	--	--	--	--	20	--	--	--
12N 9W 8BCC 1	73-07-17	--	--	--	--	--	6	--	--	--
12N 9W11CC 1	73-07-18	--	--	--	--	--	6	--	--	--
12N 10W31DCD 1	73-06-12	--	--	--	--	--	6	--	--	--
12N 12W24AB 2	73-06-13	--	--	--	--	--	8	--	--	--
HAMILTON COUNTY										
9N 7W 6DAD 2	72-12-28	--	--	--	--	--	--	--	--	--
	73-06-04	200	0	0	0	0	11	1	10	.1
10N 6W 4CB 1	72-12-28	--	--	--	--	--	--	--	--	--
	73-06-01	0	0	0	0	0	10	1	20	.2
10N 6W26BC 1	73-06-05	200	0	1	0	0	4	0	10	.1
12N 5W23CCC 1	73-06-07	300	0	3	0	1	4	1	10	.2
JEFFERSON COUNTY										
4N 1E31AA 1	73-06-06	300	0	1	0	1	1	0	10	.0
4N 3E13DA 1	73-05-23	500	0	1	0	1	3	0	10	.1
KIMBALL COUNTY										
15N 55W 7ABB 1	73-03-27	0	0	0	0	1	1	0	0	.1
LANCASTER COUNTY										
8N 7E22BABB1	72-10-04	--	--	--	--	--	--	--	--	--
10N 6E14CBAD1	73-07-18	--	--	--	--	--	--	--	--	--
10N 6E15DDDA1	73-07-19	--	--	--	--	--	--	--	--	--
10N 7E 4BBBA1	73-03-21	--	--	--	--	--	--	--	--	--
10N 7E 4BBBD1	73-03-21	--	--	--	--	--	--	--	--	--
10N 7E 5AAB1	73-04-02	--	--	--	--	--	--	--	--	--
10N 7E 5AABC1	73-04-16	--	--	--	--	--	--	--	--	--
10N 7E 5AACB1	73-08-23	--	--	--	--	--	--	--	--	--
10N 7E 5AACCC1	73-03-23	--	--	--	--	--	--	--	--	--
10N 7E 5AADA1	73-03-19	--	--	--	--	--	--	--	--	--
10N 7E 5AADCC1	73-04-02	--	--	1	0	--	9	0	--	8.3
	73-05-25	--	--	0	--	--	11	0	--	9.0
10N 7E 5ABBA1	73-04-16	--	--	--	--	--	--	--	--	--
10N 7E 5ABCD1	73-03-30	--	--	--	--	--	--	--	--	--
10N 7E 5ACCA1	73-03-30	--	--	--	--	--	--	--	--	--
10N 7E 5ADCB1	73-03-30	--	--	--	--	--	--	--	--	--
10N 7E 5ADDB1	73-03-30	--	--	--	--	--	--	--	--	--
10N 7E 5BADCC1	73-04-03	--	--	--	--	--	--	--	--	--
10N 7E 5BBAC1	73-04-03	--	--	3	--	--	30	1	--	.0
11N 7E32ACDA1	73-07-18	--	--	--	--	--	--	--	--	--
11N 7E32ADDB1	73-07-18	--	--	--	--	--	--	--	--	--
11N 7E32ADDD1	73-04-04	--	--	--	--	--	--	--	--	--
11N 7E32CACC1	73-04-03	--	--	--	--	--	--	--	--	--
11N 7E32CADCC1	73-04-03	--	--	--	--	--	--	--	--	--
11N 7E32CCCA1	73-04-19	--	--	--	--	--	--	--	--	--
11N 7E32DAAC1	73-04-04	--	--	--	--	--	--	--	--	--
11N 7E32DAHC1	73-04-04	--	--	--	--	--	--	--	--	--
11N 7E32DACC1	73-04-17	--	--	2	--	--	20	3	--	6.4
11N 7E32DBBD1	73-04-04	--	--	--	--	--	--	--	--	--
11N 7E32DBCD1	73-04-02	--	--	--	--	--	--	--	--	--
11N 7E32DCCA1	73-04-16	--	--	--	--	--	--	--	--	--
11N 7E32DCDA1	73-04-17	--	--	--	--	--	--	--	--	--
11N 7E32DDAA1	73-03-19	--	--	--	--	--	--	--	--	--
11N 7E32DDAB1	73-04-02	--	--	--	--	--	--	--	--	--
11N 7E32DDDB1	73-04-04	--	--	--	--	--	--	--	--	--
11N 7E33BCBA1	73-04-19	--	--	--	--	--	--	--	--	--
11N 7E33BCCA1	73-04-23	--	--	--	--	--	--	--	--	--
11N 7E33CBBD1	73-04-19	--	--	--	--	--	--	--	--	--
11N 7E33CCBA1	73-04-18	--	--	0	--	--	29	4	--	9.4
MC PHERSON COUNTY										
19N 31W11B4D 1	73-07-20	0	0	0	10	0	1	1	10	.0
19N 31W12CAC 1	73-07-20	0	0	0	0	0	3	2	10	.0
MERRICK COUNTY										
12N 8W36BC 1	73-09-14	0	0	2	0	0	6	1	30	5.8
13N 6W 9AC 1	73-06-12	--	--	--	--	--	10	--	--	--
13N 7W 5CB 1	73-07-17	--	--	--	--	--	6	--	--	--
13N 7W27BC 1	73-07-17	--	--	--	--	--	10	--	--	--
14N 5W 1ACC 1	73-06-12	--	--	--	--	--	10	--	--	--
14N 6W 5DA 1	73-07-17	--	--	--	--	--	10	--	--	--

CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

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LOCAL IDENT- I- FILE	DATE OF SAMPLE	DIS- SOLVED MOLYB- DENUM (MU) (UG/L) (01060)	DIS- SOLVED NICKEL (NI) (UG/L) (01065)	DIS- SOLVED SELFE- NIUM (SE) (UG/L) (01145)	DIS- SOLVED SILVER (AG) (UG/L) (01075)	DIS- SOLVED STRON- TIUM (SR) (UG/L) (01080)	DIS- SOLVED VANAD- NIUM (V) (UG/L) (01085)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
HALL COUNTY								
11N 11W25CC 1	73-09-18	2	5	11	0	260	.0	--
11N 11W35HCC 1	73-06-12	--	--	--	--	--	--	340
12N 9W 8HCC 1	73-07-17	--	--	--	--	--	--	20
12N 9W11CC 1	73-07-18	--	--	--	--	--	--	30
12N 10W31UDC 1	73-06-12	--	--	--	--	--	--	140
12N 12W24AB 2	73-06-13	--	--	--	--	--	--	10
HAMILTON COUNTY								
9N 7W 6DAD 2	72-12-28	--	--	--	--	--	--	--
	73-06-04	2	0	0	0	380	2.1	20
10N 6W 4CB 1	72-12-28	--	--	--	--	--	--	--
	73-06-01	2	0	2	0	290	5.6	0
10N 6W26BC 1	73-06-05	2	1	5	0	310	5.6	--
12N 5W23CCC 1	73-06-07	3	2	2	0	440	4.5	20
JEFFERSON COUNTY								
4N 1E11AA 1	73-06-06	0	1	0	0	150	4.5	260
4N 3E13UA 1	73-05-23	0	2	5	0	250	.8	20
KIMBALL COUNTY								
15N 55W 7AB8 1	73-03-27	1	5	0	1	300	15	0
LANCASTER COUNTY								
8N 7E22HABR1	72-10-04	--	--	--	--	--	--	--
10N 6E14CBAD1	73-07-18	--	--	--	--	--	--	--
10N 6E15DDDA1	73-07-19	--	--	--	--	--	--	--
10N 7E 4BBRA1	73-03-21	--	--	--	--	--	--	--
10N 7E 4BBCD1	73-03-21	--	--	--	--	--	--	--
10N 7E 5AAAB1	73-04-02	--	--	--	--	--	--	--
10N 7E 5AABC1	73-04-16	--	--	--	--	--	--	--
10N 7E 5AACB1	73-04-23	--	--	--	--	--	--	--
10N 7E 5AACC1	73-03-23	--	--	--	--	--	--	--
10N 7E 5AADA1	73-03-19	--	--	--	--	--	--	--
10N 7E 5AADC1	73-04-02	--	4	--	--	--	--	50
	73-05-25	--	21	--	--	--	--	30
10N 7E 5ABRA1	73-04-16	--	--	--	--	--	--	--
10N 7E 5ABCD1	73-03-30	--	--	--	--	--	--	--
10N 7E 5ACCA1	73-03-30	--	--	--	--	--	--	--
10N 7E 5ADC81	73-03-30	--	--	--	--	--	--	--
10N 7E 5ADDB1	73-03-30	--	--	--	--	--	--	--
10N 7E 5BADC1	73-04-03	--	--	--	--	--	--	--
10N 7E 5BBAC1	73-04-03	--	6	--	--	--	--	20
11N 7E32ACDA1	73-07-18	--	--	--	--	--	--	--
11N 7E32ADDB1	73-07-18	--	--	--	--	--	--	--
11N 7E32ADDD1	73-04-04	--	--	--	--	--	--	--
11N 7E32CACC1	73-04-03	--	--	--	--	--	--	--
11N 7E32CADC1	73-04-03	--	--	--	--	--	--	--
11N 7E32CCCA1	73-04-19	--	--	--	--	--	--	--
11N 7E32DAAC1	73-04-04	--	--	--	--	--	--	--
11N 7E32DA8C1	73-04-04	--	--	--	--	--	--	--
11N 7E32DACC1	73-04-17	--	10	--	--	--	--	3000
11N 7E32DB8D1	73-04-04	--	--	--	--	--	--	--
11N 7E32DBCD1	73-04-02	--	--	--	--	--	--	--
11N 7E32DCCA1	73-04-16	--	--	--	--	--	--	--
11N 7E32DCDA1	73-04-17	--	--	--	--	--	--	--
11N 7E32DDAA1	73-03-19	--	--	--	--	--	--	--
11N 7E32DDAB1	73-04-02	--	--	--	--	--	--	--
11N 7E32DDDB1	73-04-04	--	--	--	--	--	--	--
11N 7E33BCBA1	73-04-19	--	--	--	--	--	--	--
11N 7E33BCCA1	73-04-23	--	--	--	--	--	--	--
11N 7E33CB8D1	73-04-19	--	--	--	--	--	--	--
11N 7E33CCBA1	73-04-18	--	6	--	--	--	--	40
MC PHERSON COUNTY								
19N 31W11BAD 1	73-07-20	0	0	0	0	100	8.8	30
19N 31W12CAC 1	73-07-20	0	1	0	0	120	12	10
MERRICK COUNTY								
12N 8W36RC 1	73-09-14	2	2	8	0	740	.0	140
13N 6W 9AC 1	73-06-12	--	--	--	--	--	--	30
13N 7W 5CB 1	73-07-17	--	--	--	--	--	--	10
13N 7W27BC 1	73-07-17	--	--	--	--	--	--	20
14N 5W 1ACC 1	73-06-12	--	--	--	--	--	--	10
14N 6W 5DA 1	73-07-17	--	--	--	--	--	--	50

CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

LOCAL IDENT- I- FIELD	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	GEO- LOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	DIS- SOLVED SILICA (SI02) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)
MERRICK COUNTY										
16N 3W29DC 1	41 19 27	097 40 57	01	112SDGV	41	73-07-17	24	20	220	93
POLK COUNTY										
13N 4W21CCD 2	41 04 34	097 47 11	02	112SDGV	150	72-12-28	36	--	--	86
				112SDGV	150	73-06-01	--	--	--	--
14N 1W 9DCA 1	41 11 45	097 25 46	01	112SDGV	270	72-12-28	42	--	--	70
				112SDGV	270	73-06-01	--	--	--	--
14N 2W21DH 1	41 10 12	097 32 52	01	112SDGV	180	73-05-24	34	40	0	100
SALINE COUNTY										
8N 3E19ADA 1	40 38 55	097 07 25	01	112SDGV	151	73-05-21	39	130	50	61
8N 3E20BAD 1	40 39 02	097 06 49	01	112SDGV	190	72-12-27	32	--	--	74
				112SDGV	190	73-06-05	--	--	--	--
SEWARD COUNTY										
9N 2E13DAD 1	40 44 43	097 08 23	01	211DKOT	493	73-08-06	25	270	170	59
11N 1E29BC 1	40 53 30	097 20 48	01	112SDGV	254	72-12-27	38	--	--	68
				112SDGV	254	73-06-01	--	--	--	--
11N 2E21DD 1	40 54 06	097 11 50	01	112SDGV	123	73-05-17	38	520	20	72
11N 2E26AD 6	40 53 43	097 09 39	06	112SDGV	117	73-06-01	--	--	--	--
11N 2E26AD 9	40 53 43	097 09 39	09	112SDGV	117	72-12-27	35	--	--	75
THAYER COUNTY										
3N 4W 2AA 1	40 15 37	097 43 41	01	112SDGV	195	73-06-08	36	40	10	41
VALLEY COUNTY										
18N 15-13ACD 1	41 31 56	098 59 12	01	121OGLL	340	73-06-27	55	9	20	110
YORK COUNTY										
9N 4- 6AC 1	40 46 46	097 48 51	01	112SDGV	171	72-12-28	34	--	--	67
				112SDGV	171	73-06-04	--	--	--	--
9N 4W 6DD 1	40 46 20	097 48 25	01	112SDGV	171	73-06-05	31	30	10	62
11N 2W31RA 3	40 53 05	097 35 15	03	112SDGV	165	73-06-05	29	220	10	67
11N 2W31CA 1	40 52 42	097 35 24	01	112SDGV	138	72-12-27	41	--	--	68
11N 2W31CA 1	40 52 42	097 35 24	01	112SDGV	138	73-06-04	--	--	--	--
12N 1W11BC 2	41 01 37	097 24 13	02	112SDGV	156	72-12-28	41	--	--	88
				112SDGV	156	73-06-01	--	--	--	--

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LOCAL IDENTIFIER		DATE OF SAMPLE	DIS-SOLVED MAGNE- SIUM (MG) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED POTAS- SIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLORIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUORIDE (F) (MG/L) (00950)	ORGANIC NITROGEN (N) (MG/L) (00605)
MERRICK COUNTY 16N 3W29DC 1		73-07-17	21	52	20	401	0	60	17	.5	--
POLK COUNTY 13N 4W21CCD 2		72-12-28 73-06-01	14 --	31 --	6.5 --	367 --	0 --	30 --	9.7 --	-- --	-- .02
14N 1W 9DOCA 1		72-12-28 73-06-01	11 --	18 --	6.8 --	280 --	0 --	23 --	5.7 --	-- --	-- .00
14N 2W21DB 1		73-05-24	16	44	6.0	425	0	57	8.4	.4	.00
SALINE COUNTY 8N 3E19ADA 1		73-05-21	10	31	4.8	233	0	50	4.8	1.0	.05
8N 3E20BAD 1		72-12-27 73-06-05	11 --	23 --	4.6 --	282 --	0 --	43 --	9.7 --	-- --	-- .03
SEWARD COUNTY 9N 2E13DADD1		73-08-06	10	47	4.9	277	0	40	14	.4	3.8
11N 1E29BC 1		72-12-27 73-06-01	11 --	28 --	5.0 --	277 --	0 --	27 --	8.4 --	-- --	-- .00
11N 2E21DD 1		73-05-17	11	28	7.3	280	0	46	4.2	.3	.03
11N 2E26AD 6		73-06-01	--	--	--	--	--	--	--	--	.00
11N 2E26AD 9		72-12-27	12	32	6.8	251	0	68	5.8	--	--
THAYER COUNTY 3N 4W 2AA 1		73-06-08	6.0	13	4.6	159	0	15	11	1.1	.00
VALLEY COUNTY 18N 15W13ACD 1		73-06-27	15	12	9.8	373	0	35	5.6	.3	.09
YORK COUNTY 9N 4W 6AC 1		72-12-28 73-06-04	10 --	20 --	5.2 --	238 --	0 --	33 --	16 --	-- --	-- .07
9N 4W 6DD 1		73-06-05	9.8	22	5.6	222	0	40	14	1.0	.00
11N 2W31BA 3		73-06-05	9.4	20	6.1	252	0	30	9.1	1.0	.04
11N 2W31CA 1		72-12-27	13	36	6.9	310	0	31	10	--	--
11N 2W31CA 1		73-06-04	--	--	--	--	--	--	--	--	.06
12N 1W11BC 2		72-12-28 73-06-01	13 --	26 --	5.5 --	355 --	0 --	22 --	11 --	-- --	-- .00

CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

LOCAL IDENT- I- FIELD	DATE OF SAMPLE	TOTAL NITRO- GEN (N) (MG/L) (00600)	TOTAL KJHL- DAHL NITRO- GEN (N) (MG/L) (00625)	DIS- SOLVED NITRITE (N) (MG/L) (00613)	DIS- SOLVED NITRATE (N) (MG/L) (00618)	DIS- SOLVED NITRATE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)
MERRICK COUNTY										
16N 3W24DC 1	73-07-17	--	--	--	--	11	--	.13	70	--
POLK COUNTY										
13N 4W21CCD 2	72-12-28	--	--	--	--	4.6	--	.41	--	--
	73-06-01	4.3	.03	--	--	--	.40	--	--	--
14N 1W 40CA 1	72-12-28	--	--	--	--	2.7	--	.30	--	--
	73-06-01	4.8	.01	--	--	--	.35	--	--	--
14N 2W21UH 1	73-05-24	6.1	.00	.00	6.0	6.0	.26	.17	50	514
SALINE COUNTY										
8N 3E19ADA 1	73-05-21	1.8	.08	.04	1.5	1.5	.28	.25	60	357
8N 3E20BAD 1	72-12-27	--	--	--	--	.04	--	.16	--	--
	73-06-05	.07	.65	--	--	--	.26	--	--	--
SEWARD COUNTY										
9N 2E13UADD1	73-08-06	3.9	3.9	.00	.01	.01	.08	.06	150	346
11N 1E29HC 1	72-12-27	--	--	--	--	6.0	--	.30	--	--
	73-06-01	6.4	.01	--	--	--	.21	--	--	--
11N 2E21DD 1	73-05-17	3.4	.07	.00	3.2	3.2	.23	.00	40	368
11N 2E26AD 6	73-06-01	5.3	.00	--	--	--	.28	--	--	--
11N 2E26AD 9	72-12-27	--	--	--	--	5.1	--	.29	--	--
THAYER COUNTY										
3N 4W 2AA 1	73-06-08	2.2	.01	.00	2.0	2.0	.19	.17	30	232
VALLEY COUNTY										
18N 15W13ACD 1	73-06-27	4.3	.09	.00	4.0	4.0	.10	.10	40	442
YORK COUNTY										
9N 4W 6AC 1	72-12-28	--	--	--	--	4.5	--	.31	--	--
	73-06-04	2.6	.18	--	--	--	.25	--	--	--
9N 4W 6UD 1	73-06-05	1.3	.01	.00	1.2	1.2	.21	.21	30	305
11N 2W31BA 3	73-06-05	.05	.65	.00	.01	.01	.23	.19	50	309
11N 2W31CA 1	72-12-27	--	--	--	--	5.1	--	.49	--	--
11N 2W31CA 1	73-06-04	5.1	.07	--	--	--	.44	--	--	--
12N 1W11BC 2	72-12-28	--	--	--	--	3.8	--	.26	--	--
	73-06-01	1.3	.05	--	--	--	.22	--	--	--

CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

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LOCAL IDENT- IFIER	DATE OF SAMPLE	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	HARD- NESS (CA+MG) (MG/L) (00400)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00431)	SPE- CIFIC CAP- ACITY ANCF (MICRO- MOLES) (00095)	PH (UNITS) (00400)	COLOR (PLAT- INUM- COBALT UNITS) (00040)	DIS- SOLVED ALUM- INUM (AL) (UG/L) (01106)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)
MERRICK COUNTY										
16N 3W29DC 1	73-07-17	534	320	0	1.3	854	7.1	1	--	--
POLK COUNTY										
13N 4W21CCU 2	72-12-28	414	270	0	.8	645	7.3	--	--	--
	73-06-01	--	--	--	--	657	--	--	0	6
14N 1W 9DCA 1	72-12-28	326	220	0	.5	496	7.3	--	--	--
	73-06-01	--	--	--	--	483	--	--	0	8
14N 2W21DB 1	73-05-24	531	320	0	1.1	769	7.1	4	10	4
SALINE COUNTY										
8N 3E19ADA 1	73-05-21	332	190	3	1.6	508	7.0	1	10	7
8N 3E20BAD 1	72-12-27	336	230	0	.7	523	7.5	--	--	--
	73-06-05	--	--	--	--	527	--	--	0	3
SEWARD COUNTY										
9N 2E13DADD1	73-08-06	338	190	0	1.5	543	7.5	1	20	2
11N 1E29BC 1	72-12-27	348	220	0	.8	538	7.6	--	--	--
	73-06-01	--	--	--	--	551	--	--	0	2
11N 2E21DD 1	73-05-17	374	230	0	.8	544	7.3	5	10	5
11N 2E26AD 6	73-06-01	--	--	--	--	614	--	--	0	1
11N 2E26AD 9	72-12-27	381	240	31	.9	593	7.2	--	--	--
THAYER COUNTY										
3N 4W 2AA 1	73-06-08	224	130	0	.5	331	7.0	2	10	1
VALLEY COUNTY										
18N 15W13ACD 1	73-06-27	445	340	31	.3	677	6.9	3	0	17
YORK COUNTY										
9N 4W 6AC 1	72-12-28	322	210	13	.6	505	7.3	--	--	--
	73-06-04	--	--	--	--	506	--	--	10	2
9N 4W 6DD 1	73-06-05	306	200	14	.7	474	7.2	1	0	3
11N 2W31BA 3	73-06-05	297	210	0	.6	479	7.3	2	20	6
11N 2W31CA 1	72-12-27	381	220	0	1.0	566	7.2	--	--	--
11N 2W31CA 1	73-06-04	--	--	--	--	599	--	--	0	4
12N 1W11BC 2	72-12-28	398	270	0	.7	613	7.4	--	--	--
	73-06-01	--	--	--	--	607	--	--	0	2

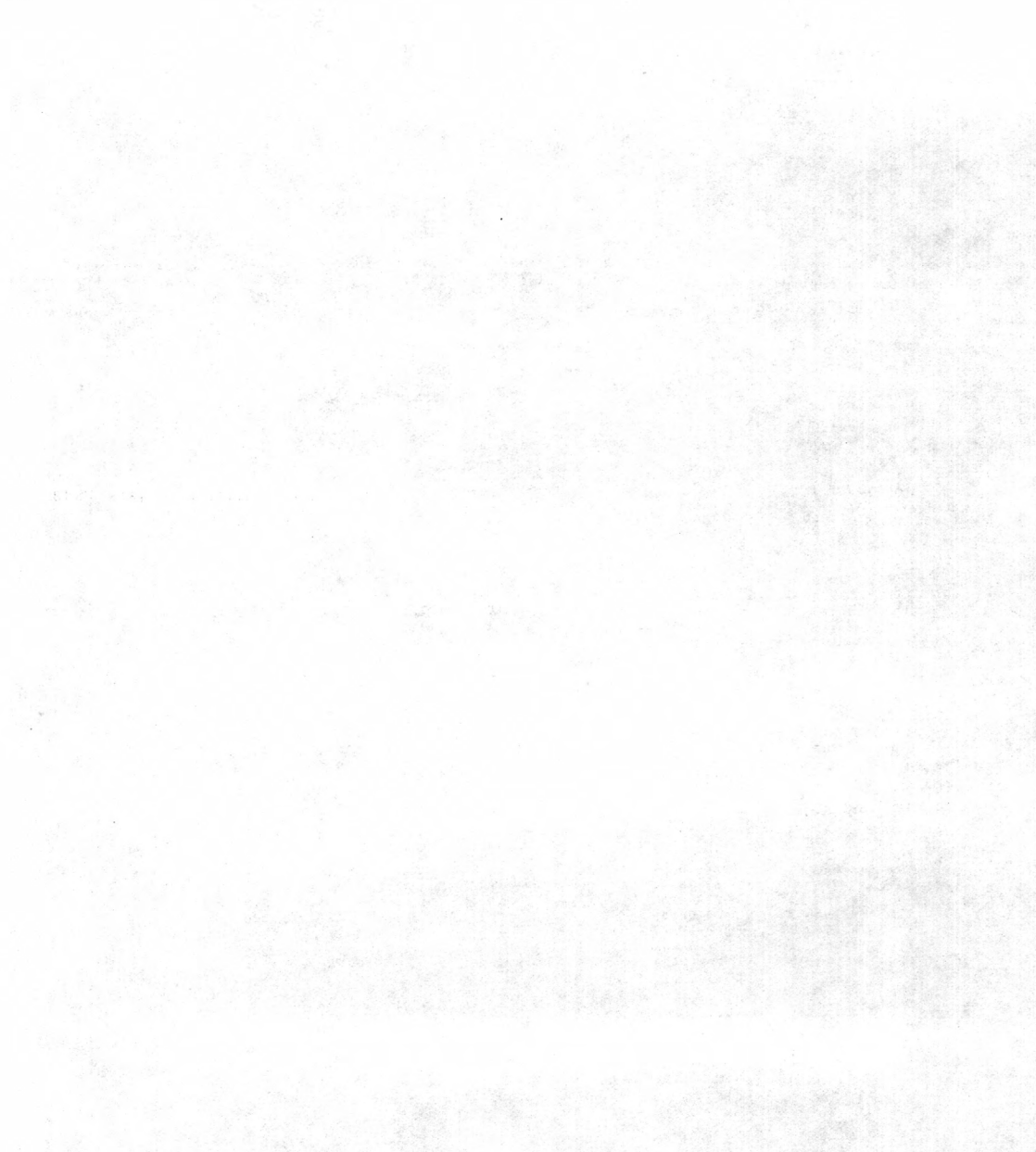
CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED BARIUM (BA) (UG/L) (01005)	DIS- SOLVED BERYL- LIUM (BE) (UG/L) (01016)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	DIS- SOLVED COBALT (CO) (UG/L) (01035)	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	DIS- SOLVED LITHIUM (LI) (UG/L) (01130)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)
MERRICK COUNTY										
16N 3W29DC 1	73-07-17	--	--	--	--	--	10	--	--	--
POLK COUNTY										
13N 4W21CCD 2	72-12-28	--	--	--	--	--	--	--	--	--
	73-06-01	200	0	1	0	0	14	0	10	.1
14N 1W 9DCA 1	72-12-28	--	--	--	--	--	--	--	--	--
	73-06-01	300	0	0	0	0	10	3	20	.2
14N 2W21DB 1	73-05-24	300	0	1	0	0	7	1	20	.1
SALINE COUNTY										
8N 3E19ADA 1	73-05-21	100	0	1	0	0	3	0	10	.2
8N 3E20BAU 1	72-12-27	--	--	--	--	--	--	--	--	--
	73-06-05	200	0	0	0	0	12	0	20	.1
SEWARD COUNTY										
9N 2E13DADN1	73-08-06	200	0	0	0	1	6	0	20	.0
11N 1E29BC 1	72-12-27	--	--	--	--	--	--	--	--	--
	73-06-01	300	0	0	0	0	50	0	10	.2
11N 2E21DD 1	73-05-17	200	0	0	0	0	1	0	20	.0
11N 2E26AD 6	73-06-01	300	0	1	0	0	6	0	20	.3
11N 2E26AD 9	72-12-27	--	--	--	--	--	--	--	--	--
THAYER COUNTY										
3N 4W 2AA 1	73-06-08	200	0	0	0	0	5	0	10	.1
VALLEY COUNTY										
16N 15W13ACD 1	73-06-27	100	0	1	0	0	8	0	30	.1
YORK COUNTY										
9N 4W 6AC 1	72-12-28	--	--	--	--	--	--	--	--	--
	73-06-04	200	0	1	0	0	19	1	10	.2
9N 4W 6DD 1	73-06-05	200	0	0	0	0	2	1	10	.1
11N 2W31RA 3	73-06-05	200	0	0	0	0	2	0	10	.1
11N 2W31CA 1	72-12-27	--	--	--	--	--	--	--	--	--
11N 2W31CA 1	73-06-04	300	0	0	0	0	40	0	20	.0
12N 1W11HC 2	72-12-28	--	--	--	--	--	--	--	--	--
	73-06-01	500	0	0	0	1	10	1	20	.1

CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

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LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED MOLYB- DENUM (MO) (UG/L) (01060)	DIS- SOLVED NICKEL (NI) (UG/L) (01065)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)	DIS- SOLVED SILVER (AG) (UG/L) (01075)	DIS- SOLVED STRON- TIUM (SR) (UG/L) (01080)	DIS- SOLVED VANA- DIUM (V) (UG/L) (01065)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
MERRICK COUNTY								
16N 3W29DC 1	73-07-17	--	--	--	--	--	--	40
POLK COUNTY								
13N 4W21CCD 2	72-12-28	--	--	--	--	--	--	--
	73-06-01	2	4	9	1	370	13	20
14N 1W 9DCA 1	72-12-28	--	--	--	--	--	--	--
	73-06-01	2	0	8	0	330	7.2	10
14N 2W21DB 1	73-05-24	0	8	20	0	410	5.5	880
SALINE COUNTY								
8N 3E19ADA 1	73-05-21	2	1	12	0	300	6.7	1200
8N 3E20BAD 1	72-12-27	--	--	--	--	--	--	--
	73-06-05	2	1	3	0	320	.0	10
SEWARD COUNTY								
9N 2E13DADD1	73-08-06	3	2	4	0	360	1.6	10
11N 1E29BC 1	72-12-27	--	--	--	--	--	--	--
	73-06-01	1	1	6	1	300	8.2	20
11N 2E21DD 1	73-05-17	1	13	20	0	280	7.3	140
11N 2E26AD 6	73-06-01	1	0	27	0	340	2.6	10
11N 2E26AD 9	72-12-27	--	--	--	--	--	--	--
THAYER COUNTY								
3N 4W 2AA 1	73-06-08	1	1	0	0	220	4.7	10
VALLEY COUNTY								
18N 15W13ACD 1	73-06-27	4	0	5	1	520	12	10
YORK COUNTY								
9N 4W 6AC 1	72-12-28	--	--	--	--	--	--	--
	73-06-04	2	1	8	1	300	7.3	40
9N 4W 6DD 1	73-06-05	1	0	0	0	310	6.3	10
11N 2W31BA 3	73-06-05	2	0	0	0	320	5.1	0
11N 2W31CA 1	72-12-27	--	--	--	--	--	--	--
11N 2W31CA 1	73-06-04	2	3	3	1	320	7.7	10
12N 1W11BC 2	72-12-28	--	--	--	--	--	--	--
	73-06-01	1	1	8	0	390	8.4	10



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