

LODGEPOLE CREEK INTEGRATED
GROUND WATER MANAGEMENT SUBAREA
RULES AND REGULATIONS

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**SOUTH PLATTE NATURAL RESOURCES DISTRICT
LODGEPOLE CREEK INTEGRATED GROUND WATER MANAGEMENT SUBAREA
RULES AND REGULATIONS**

1. **AUTHORITY** - These rules and regulations are adopted pursuant to the authority granted in Neb. Rev. Stat. §§ 46-701 to 46-753, the Nebraska Ground Water Management and Protection Act, (“the Act”).
2. **PURPOSE** - The purpose of these rules and regulations is to implement the South Platte Natural Resources District’s Ground Water Management Plan (“the Plan”). The Act provides authority for the Plan and the rules and regulations. The objective of the rules and regulations is to maintain flow in Lodgepole Creek and to protect the creek and the surrounding subarea from further diminution of water resources.

The decreases in the stream flow of Lodgepole Creek and the declining ground water levels of the surrounding subarea have created the necessity for the implementation of the rules and regulations. The stream flow in Lodgepole Creek, located in western Kimball County, has declined. This decline has been calculated by a gauging station west of Oliver Reservoir. The stream flow calculation showed an average of 17 cubic feet per second (cfs) per day in 1932, compared to approximately 2.1 cfs per day in 1999. A gauging station at Ralton, just southeast of Chappell in Deuel County, exhibited similar declines as shown by calculations made by the Nebraska Department of Natural Resources. Flow in the creek averaged 19.8 cfs per day in 1952, compared to 8 cfs in the 1960s and 1970s, and ran dry in 1975. The decline in the stream flow occurred between the early 1960s and the mid 1970s. Because of the decline, the Department of Water Resources closed Lodgepole Creek to appropriations on February 27, 1979. These dates correlate closely with a period of extensive irrigation development in the subarea. The decline of ground water levels within the subarea has also been well documented by the collection of data. Of the 41 observation wells in the subarea with not less than 15 years of reporting data, 8 wells showed a decline of 5 feet or less, 16 wells showed a decline of at least 5 feet, and 12 wells showed a decline of at least 10 feet.

3. **APPLICABILITY - Creation of Subarea:** These rules and regulations apply to certain lands of the District which have been designated as the Lodgepole Creek Integrated Ground Water Management Subarea (“Management Subarea”). A legal description of the lands subject to these rules and regulations is set forth in Appendix A and a map showing the location of such lands in Appendix B of these rules and regulations. The Management Subarea and these rules and regulations became effective on Nov 7, 2002 and applied initially to the 2003 growing season. The controls adopted pursuant to the authority in the Act are set forth beginning with Rule 14 of these rules and regulations.
4. **DEFINITIONS** - The following definitions shall apply to these rules and regulations:
 - a. Acre-inch - shall mean the amount of water necessary to cover an acre of land one inch deep.
 - b. Act - shall mean the Nebraska Groundwater Management and Protection Act, Neb. Rev. Stat. §§ 46-701 to 46-753, and may be referred to as “the Act”.
 - c. Alleged Violator - shall mean the Ground Water User, Landowner or Operator of the land who has allegedly failed to comply with any of these rules and regulations.
 - d. Application for a Permit - shall mean an application on a written form supplied by the District for the construction of a water well in accordance with Neb. Rev. Stat. §§ 46-735 through 46-738.

- e. Application for a Late Permit - shall mean an application for a permit that was not timely filed. Such permit shall be reviewed by the District in accordance with Neb. Rev. Stat. § 46-736.
- f. Average Allocation - shall mean an average number of acre-inches of irrigation water per irrigated acre over any reasonable period of time not to exceed five years.
- g. Best Management Practices - shall mean the schedules of activities, maintenance procedures and other management practices utilized to prevent or reduce present and future contamination of ground water, which may include irrigation scheduling, proper rate and timing of fertilizer application, and other fertilizer and pesticide management programs. In determining the rate of fertilizer application, the District shall consult with the University of Nebraska or a crop adviser by the American Society of Agronomy.
- h. Board or Board of Directors - shall mean the Board of Directors of the South Platte Natural Resources District.
- i. Certified Irrigated Parcel – shall mean a parcel of land in the Lodgepole Creek Integrated Ground Water Management Subarea that has been certified by the District to allow the use of ground water for irrigation according to the process described in these rules and regulations.
- j. Compliance Officer - shall mean an employee or agent of the District authorized by the District Manager to perform the functions assigned to him or her by these rules and regulations.
- k. Commingled Wells - shall mean water wells that are commingled, combined, clustered, or joined with any other water well or wells from any water source. Such wells shall be considered one water well and the combined capacity of all wells shall be used as the rated capacity. Such wells with a combined capacity of more than 50 gallons per minute shall require a permit according to these rules and regulations and be subject to controls on permits designated within a subarea of the District.
- l. Consumptive Use - shall mean the total amount of water used for vegetative growth, transpiration (building plant tissue), plus the evaporation of soil moisture, snow, and intercepted precipitation associated with plant growth for any specified time. Consumptive use is sometimes referred to as evapotranspiration (ET).
- m. Controls - shall mean any requirement, obligation, duty, or restriction placed upon a Ground Water User, Landowner or Operator of the land. Controls are set forth beginning with Rule 14 of these rules and regulations.
- n. District, SPNRD or NRD - shall mean South Platte Natural Resources District.
- o. Director - Shall mean the Director of the Department of Natural Resources.
- p. Educational Programs - shall mean information and educational training programs designed to educate a landowner and/or operator of the land with best management practices in the operation of irrigation and cropping systems.
- q. Ground Water - shall mean that water which occurs or moves, seeps, filters or percolates through the ground under the surface of the land.

- r. Ground Water User - shall mean any person who pumps, extracts, withdraws or confines ground water at a rate in excess of 50 gallons per minute for any use by any person. Whenever the Landowner or Operator are different persons or entities, the term Ground Water User shall include both the Landowner and Operator.
- s. Illegal Water Well - shall mean:
 1. Any water well operated or constructed without or in violation of a permit required by the Nebraska Ground Water Management and Protection Act;
 2. Any water well not in compliance with rules and regulations adopted and promulgated pursuant to the Nebraska Ground Water Management and Protection Act;
 3. Any water well not properly registered in accordance with Neb. Rev. Stat. §§ 46-602 to 46-604;
 4. Any water well not in compliance with any other applicable law of the State of Nebraska or with rules and regulations adopted and promulgated pursuant to such laws.
- t. Industrial Wells - shall mean wells used in manufacturing and commerce operations, and/or watering and maintenance of golf courses.
- u. Irrigated Acre - shall mean an acre that is certified as such pursuant to rules and regulations of the District and that is actually capable of being supplied water through irrigation works, mechanisms, or facilities existing at the time the acre is certified.
- v. Irrigation System - shall mean the necessary appurtenances to a well(s), including the pump, or other water source to convey irrigation water to a certified parcel(s) of irrigated land. This includes any combination of set-move, solid-set, traveler, center pivot, or linear move sprinkler system(s) and gravity, furrow, and border or flood irrigation utilizing water from a ditch, canal, or pipe.
- w. Landowner - shall mean any person who owns real estate or has contracted to purchase or otherwise acquire title to real estate.
- x. Livestock Well - shall mean a well with pumping capacity of 50 gallons per minute or less which is used for the watering of livestock and other uses of water directly related to the operation of a pasture, range, feedlot or other confined livestock or dairy operation.
- y. Management Area - shall mean any area so designated by the District pursuant to Neb. Rev. Stat. § 46-712 and the Districtwide Ground Water Management Area as designated by the South Platte NRD Board of Directors pursuant to the Act.
- z. Management Plan - shall mean a ground water management plan developed by a District and submitted to the Director of the Department of Natural Resources for review pursuant to Neb. Rev. Stat. § 46-709 through 46-711.
- aa. Management Subarea - shall mean the Lodgepole Creek Integrated Ground Water Management Subarea as designated by the South Platte NRD Board of Directors.
- bb. Nonpoint Source Contamination - shall mean any source of pollution resulting from the dissolution and disbursement of widespread, relatively uniform contaminants of a nonspecific origin.
- cc. Operator - shall mean any person who has control over the day-to-day operations of the

land in question, which shall include any landowner and/or any tenant.

- dd. Permit - shall mean an approval document that must be obtained from the District in accordance with Neb. Rev. Stat. §§ 46-735 through 46-738, and the South Platte Natural Resources District's rules and regulations for the enforcement of the Act.
- ee. Person - shall mean a natural person, a partnership, a limited liability company, an association, a corporation, a municipality, an irrigation district, an agency or political subdivision of the state, or a bureau of the United States.
- ff. Range Livestock - shall mean livestock that are kept in pastures, on rangeland, or on other grazing lands and allowed to feed on vegetation growing therein. Range livestock shall not mean (1) livestock kept in buildings, lots or pens which normally are not used for the growing of crops or vegetation, or (2) any livestock kept in any livestock operation that is required by the Livestock Waste Management Act or state livestock waste regulations to obtain a permit from the Department of Environmental Quality. Livestock, which are confined for fewer than 90 days per year, may be considered range livestock if they meet the other conditions in this definition.
- gg. Replacement Well - shall mean a water well which (1) replaces an abandoned water well within three years of the last operation of the abandoned water well or replaces a water well that will not be used after construction of the new water well and (2) is constructed to provide water to the same parcel of land served by the water well being replaced; PROVIDED that (i) such replacement well is not designed or constructed to pump more water than the well it replaces; (ii) no more than one replacement well may be used to replace the original well; (iii) the replacement well must be used for the same purpose as the original water well; (iv) that a well is an illegal well if, after having been replaced, it has not been decommissioned within six-months of completion of construction of the new water well; and (v) no replacement irrigation well may be installed for any well irrigating acres that have not been certified according to Rule 17 of these rules and regulations.
- hh. Sawing a well - shall mean enhancing or maintaining the production of a well developed in the Brule aquifer by making lateral cuts outward from the center of the borehole of an existing well or laterally cutting between the borehole of an existing well and a new borehole to intercept a subsurface fracture in order to enhance the capacity of the well.
- ii. Specific Allocation - shall mean the allotment of a specified number of acre-inches of irrigation water to an irrigated acre for a specific year.
- jj. Sprinkler – shall mean an irrigation system that uses pressure energy to form and distribute water droplets over the land surface. This includes permanent, semi-permanent, or moveable sprinkler systems such as set-move, solid-set, traveler, center pivot, and linear move sprinkler systems.
- kk. Surface Irrigation - shall mean irrigation by gravity, furrow, or flood utilizing water from a ditch, canal, pipe, or other conveyance directly to the surface of the ground. Such water is distributed across the field through a channel, furrow, or border by the force of gravity.
- ll. Training Certification - shall mean a current certificate of completion issued by the District to the operator for completion of the necessary educational programs specified by the District.

mm. Water Well - shall mean any excavation that is drilled, cored, bored, washed, driven, dug, jetted or otherwise constructed for the purpose of exploring for ground water, monitoring ground water, utilizing the geothermal properties of the ground, obtaining hydrogeologic information or extracting water from or injecting water into the underground water reservoir. Water well does not include any excavation made for obtaining or prospecting for oil or natural gas or for inserting media to repressure oil or natural gas bearing formation regulated by the Nebraska Oil and Gas Commission.

5. **ENFORCEMENT**

The District shall enforce the Ground Water Management and Protection Act and all rules and regulations adopted pursuant thereto by the issuance of cease and desist orders in accordance with the procedures hereinafter specified and by bringing appropriate actions in the District Court of the county in which any violation occurs for the enforcement of such orders. Cease and desist orders may be issued for the following reasons:

- a. To enforce any of the provisions of the Act or of orders or permits issued pursuant to the Act or these rules and regulations;
- b. To initiate suits to enforce the provisions of the Act or order or permits issued pursuant to the Act or these rules and regulations;
- c. To restrain the construction or operation of an illegal well as defined in these rules and regulations or the withdrawal or use of water from such illegal well;
- d. Operation of an irrigation system in the Management Subarea that is in non-compliance with the allocable use of ground water as set forth in these rules and regulations;
- e. Operation of a cropping system in the Management Subarea in violation of the controls provided for in these rules and regulations;
- f. Operation of a cropping system in the designated Management Subarea without a completion of certification in the education programs required by the District pursuant to Rule 15 of these rules and regulations;
- g. Operation of a cropping system in the Management Subarea without submitting the analyses, reports or forms as may be required by the District pursuant to Rules 14 - 20 of these rules and regulations; and
- h. Operation of a cropping system in the designated Management Subarea without completing the certification of irrigated acres required by the District pursuant to Rule 17 of these rules and regulations.

6. **INSPECTIONS** - A compliance officer may conduct an inspection to confirm compliance with or investigate the alleged violation of these rules and regulations. A compliance officer may conduct a field inspection upon showing proper identification and after informing the Ground Water User, Landowner, or Operator, either in person, by certified return receipt request mail, or by leaving notice posted at the Ground Water User, Landowner, or Operators' last known address of the suspected violation(s) and the purpose of the inspection. A compliance officer shall be authorized to enter upon the land if necessary for the purpose of making an investigation of the alleged violation pursuant to these rules and regulations. Upon completion of the investigation of records or field activities, the compliance officer shall file a written report of his or her findings in the District office and shall deliver a copy of the report to the Ground Water User, Landowner, or Operator.

7. **SUBMISSION OF INSPECTION REPORT ALLEGING VIOLATION AND ALLEGED VIOLATOR'S ALTERNATIVES** - If the compliance officer finds that there is reasonable cause to believe that the Ground Water User, Landowner or Operator is in violation of these rules and regulations, then the compliance officer's report shall be accompanied by a formal notice to the Ground Water User, Landowner, or Operator of the alternative actions available to the alleged violator. Alternative actions include the following:
- a. Agree with and accept as true and correct the compliance officer's findings that the alleged violation(s) has in fact occurred or is occurring and consent in writing to cease and desist from continuing or allowing the recurrence of such violation; and submit a schedule for corrective action pursuant to Rule 8; or
 - b. Reject the findings of the compliance officer's report and request in writing within seven (7) days (excluding Saturdays, Sundays, and legal holidays) of receipt of said report that a formal hearing be scheduled and conducted in accordance with the rules and regulations of the District.
8. **SCHEDULE OF COMPLIANCE** - If the alleged violator agrees with the compliance officer's findings and further agrees to submit a plan to conform with these rules and regulations, the Ground Water User, Landowner, or Operator shall submit a plan within ten (10) days (excluding Saturdays, Sundays, and legal holidays) following the notification provided by the District. Failure to submit a plan within ten (10) days shall be deemed a rejection of the findings and shall be deemed a request for a formal hearing.
9. **VOLUNTARY COMPLIANCE** - Subsequent to the submission of a plan to take corrective action, the District shall review the investigation report, the plan, and any other related or pertinent document necessary to evaluate the plan.

The District within its sole discretion shall determine whether the actions agreed to by the Ground Water User, Landowner or Operator will, when implemented, bring the Ground Water User, Landowner or Operator into compliance with these rules and regulations. If the District determines that the proposed actions of the ground water user, landowner, or operator are adequate and will prevent future violations within a reasonable time period, such action or plan will be approved and the District shall notify the Ground Water User, Landowner, or Operator of the District's approval and provide a schedule of compliance to complete the plan.

If the District within its sole discretion determines that implementation of the proposed plan or schedule of compliance would be inadequate to prevent further violation of the rules and regulations, then the District shall inform the Ground Water User, Landowner or Operator of its disapproval and shall make proposed changes or additions to the plan to obtain conformance with these rules and regulations. An alleged violator shall have five (5) days (excluding Saturdays, Sundays, and legal holidays) from the receipt of the proposed changes from the District to consent to such additions or changes, agree to negotiate appropriate changes, or reject such changes and request a formal hearing.

10. **FORMAL HEARING** - If voluntary measures cannot be agreed upon between the compliance officer and the Ground Water User, Landowner or Operator, or if the Ground Water User, Landowner or Operator rejects the findings of the compliance officer's report set forth in Rule 7, Part (b), then the alleged Ground Water User, Landowner or Operator shall be given an opportunity to contest the investigation report, or the schedule of compliance required by the District, at a Board hearing or formal public hearing to be held no sooner than fifteen (15) days and not more than forty-five (45) days after receipt of the initial notice provided pursuant to Rule 7. Notice of the hearing shall be provided to the Ground Water User, Landowner or Operator and any other necessary persons. The District's rules for Formal Hearings shall govern the conduct of

all such hearings. The Ground Water User, Landowner or Operator shall be further notified that if he or she fails to respond to any notice and fails to appear at the scheduled hearing, the Board shall proceed to make a final determination as to the alleged violation of these rule and regulations and shall determine if a formal cease and desist order shall be issued and enforced against the Ground Water User, Landowner or Operator.

The Board may take any and all actions as it deems necessary to cause the Ground Water User, Landowner or Operator to comply with these rules and regulations. A cease and desist order may be issued at the conclusion of the hearing if deemed necessary and appropriate by the Board.

11. **ACTION OF GROUND WATER USER, LANDOWNER, OR OPERATOR FOLLOWING ISSUANCE OF CEASE AND DESIST ORDER** - A Ground Water User, Landowner or Operator who has been served with a cease and desist order for a violation of these rules and regulations shall be allowed seven (7) days (excluding Saturdays, Sundays, and legal holidays) following receipt of such order, to submit a schedule of compliance. The District will review the schedule of compliance and within its sole discretion shall determine if such plan satisfies these rules and regulations. If the plan fails to comply with these rules and regulations, the District shall proceed with the enforcement of the cease and desist order.
12. **BOARD AUTHORIZATION TO INITIATE COURT ACTION** - The Board may initiate appropriate legal actions to enforce any action or orders of the District.
13. **CEASE AND DESIST ORDER; VIOLATION: PENALTY** - As provided by the Act, any violation of a cease and desist order issued by the District pursuant to the Act may be subject to a civil penalty assessed pursuant to Neb. Rev. Stat, § 46-745.
14. **CONTROLS IN THE INTEGRATED GROUND WATER MANAGEMENT SUBAREA** - The controls specified in Rules 15 through 19 apply to Ground Water Users, Landowners or Operators in the Lodgepole Creek Integrated Ground Water Management Subarea.
15. **CERTIFICATION TRAINING: EDUCATION IN IRRIGATION AND NITROGEN MANAGEMENT** - All operators of irrigated land within the Management Subarea shall obtain necessary training and education certification in the Ground Water Quality Management Subarea (GWQMSA) Certification Program. The required training and education may be accomplished through the participation in approved training and education programs. Certification requires the successful completion of the program. The educational program is more fully set forth in the Ground Water Management Plan.
16. **MORATORIUM ON PERMITS FOR NEW WELLS**
 - a. No permits for wells with a capacity of more than 50 gpm will be granted in the Management Subarea for a period of five years following the effective date of these rules and regulations unless sooner rescinded by the District (“Moratorium”). The District may further extend the moratorium.
 - b. Commingled wells as defined under Rule 4 shall be considered one well and are subject to the Moratorium.
 - c. Wells exempt from moratorium - The following wells shall be exempt from the moratorium: (1) Replacement wells as defined by these rules and regulations, provided that (a) such replacement well meets all conditions listed in Rule 4; and (b) such replacement well complies with all rules and regulations established by the District, and (c) the proper well-drilling permit application, as supplied by the District has been submitted. Any replacement well shall be subject to the same rules and regulations and

any restrictions imposed on the well it replaces; (2) Wells less than or equal to 50 gpm including; domestic, aquaculture, livestock (as defined in Rule 4), ground heat exchanger, ground water source heat pump, injection, monitoring, observation, and recovery wells.

- d. The practice of sawing a well will be permitted in the subarea to enhance production so long as the irrigated acres are not increased beyond those certified to be supplied by such well. Such a practice will be permitted upon the approval of a completed "Application for Well Permit" from a Ground Water User, Landowner, or Operator.
- e. Permits issued and not exercised prior to the effective date of the subarea shall be considered void after November 7, 2002. These rules supercede all previous rules drafted in regard to well permits and apply to all previously approved well permits.

17. **CERTIFICATION AND RESTRICTED EXPANSION OF IRRIGATED ACRES**

- a. Certification of Irrigated Acres - The District will certify those acres irrigated up to the crop year 2002. Effective February 1, 2003, no Ground Water User, Landowner, or Operator may irrigate with ground water in the Management Subarea until such certification is complete. The application process for certification is as follows:

Any person who uses ground water to irrigate must obtain certification for each irrigated parcel by completion of the necessary forms provided by the District. All persons shall furnish the following information with his or her application:

1. Location of each irrigated parcel by legal description to the nearest quarter section.
2. An aerial photo or map of the parcel.
3. The size of each irrigated parcel, in acres.
4. The registration number(s) of any wells used to irrigate each parcel.
5. Identification of any sources of irrigation water other than ground water; and
6. Historical documentation of irrigated acres.

Ground Water Users, Landowners or Operators of land with a registered irrigation well, which has been idle for an unspecified period of time due to enrollment in the Conservation Reserve Program (or other long term agreement) or other reasons for inactivity such as economics, and has no recent irrigated crop history, may certify such acres as irrigated by providing documents proving an irrigated crop history. This may include, but is not limited to, crop insurance, Farm Service Agency records, or well registration records. The Ground Water User, Landowner, or Operator may also certify the use of the well if the intended use is not for irrigation.

- b. Modification of Certified Irrigated Acres - A Ground Water User, Landowner, or Operator of land that intends to make changes to an irrigation system subsequent to the effective date of the Management Subarea may make an application to modify the irrigation system subsequent to the effective date. Any Ground Water User, Landowner, or Operator shall make an application to the District to modify previously certified irrigated acres on the forms provided by the District in the same manner as described in 17.a. and 17.c. of these rules and regulations.

A majority vote by the members of the board of directors present at an open meeting of the board shall be necessary for approval of an application to modify certified irrigated acres. The board, at its discretion, may grant temporary certification if there is not enough time or information for final determination. The board may re-evaluate any determination on certification as necessary.

- c. Consideration of Applications and Decision on Certification - All applications for certification must be submitted to the District's office.

In considering each application, the District may take into consideration the following:

1. Information submitted with the application;
2. Records of the U.S. Department of Agriculture;
3. Records of the county assessor;
4. Evidence submitted by the applicant or the District's staff;
5. Any other information deemed relevant by the District.

The District may request additional information from an applicant. Certification will be based on the size and location of irrigated parcel(s), or on the amount and purpose of other uses in calendar year 2002. Applicants who feel that information for the year 2002 does not reflect normal circumstances for that ground water use may produce evidence to support their circumstances. The District shall take this evidence into consideration in considering applications for certification.

A majority vote by the members of the board of directors present at a public meeting of the board shall be required for approval of an application for certification. The board may, in its sole discretion, grant temporary certification if there is not enough time or information for final determination. The board, in its sole discretion, may re-evaluate any determination on certification.

18. **REPORTING REQUIREMENTS FOR CITIES AND VILLAGES** - Each city or village within the Management Subarea that owns, operates, or controls a municipal water system, shall provide to the District a water use report to establish a baseline water use for each person within such city or village. Such information shall be provided on forms supplied by the District. Each city or village shall annually report to the District the water pumped by municipal water wells and the amount of water discharged from any sewage treatment plant. The basic information required to be provided shall include, but not be limited to: the total water pumped by each municipal well, the total population served with municipal water, and a total amount of all water discharged from any sewage treatment plant.
19. **REPORTING REQUIREMENTS FOR INDUSTRIAL USES** - To establish a baseline for water use by industries, each industrial user of water that does not obtain its water from a city or village shall be required to report on an annual basis to the District the source of the water used, amount of water pumped, and the total amount of all water discharged.
20. **VARIANCES** - Unless otherwise provided by law or these rules and regulations, the Board may grant a variance from these rules and regulations upon good cause shown, provided; however, that variances may only be granted if third parties are not harmed or

prejudiced, and if such variance comports with the goals and objectives of these regulations.

APPENDIX A

GWMA Designations and Delineation

The legal descriptions for the Management Subarea are listed below. A map of the area is included in Appendix B. This area includes the communities of Bushnell, Kimball, Dix, Potter, Brownson, Sidney, Sunol, Lodgepole, and Chappell. The following is a list of sections by county then by township of land included in the subarea.

Lodgepole Creek Integrated Management Subarea (Cheyenne County)

Sections: 1, 2, 3, 4, 5, 6 T13N, R49W, Cheyenne County, Nebraska.

Sections: 13, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, T14N, R49W, Cheyenne County, Nebraska.

Sections: 18, 19, 20, 21, 22, 23, 24,25,26,27,28,29,30,31,32,33,34,35,36, T14N, R48W, Cheyenne County, Nebraska.

Sections: 11, 13, 14, 19, 20, 21, 22, 23, 24, 25,26,27,28,29,30,31,32,33,34,35,36, T14N, R47W, Cheyenne County, Nebraska.

Sections: 30, 31, 32, T14N, R46W, Cheyenne County, Nebraska.

Sections: 5, 6, 7, 8, T13N, R46W, Cheyenne County, Nebraska.

Sections: 1, 2, 3, 4, 5, 6, T13N, R48W, Cheyenne County, Nebraska.

Section: 1, T13N, R47W, Cheyenne County, Nebraska.

- Sections: 7, 17, 18, 19, 20, 21, 25, 26, 27, 28, 29, 30, 31, 3233, 34, 35, 36, T14N, R50W, Cheyenne County, Nebraska.
- Sections: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 18, 19, T13N, R50W, Cheyenne County, Nebraska.
- Sections: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 28, 29, 30, 31, 32, T13N, R51W, Cheyenne County, Nebraska.
- Sections: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 24, 25, 36, T14N, R51W, Cheyenne County, Nebraska.
- Sections: 32, 33, T15N, R51W, Cheyenne County, Nebraska.
- Sections: 1, 2, 3, 4, 5, 6, 7, 8, 9, 17, 18, T12N, R52W, Cheyenne County, Nebraska.
- Sections: 1, 2, 3, 4, 9, 10, 11, 12, 13, 14, 22, 23, 24, 25, 26, 27, 28, 31, 32, 33, 34, 35, 36, T13N, R52W, Cheyenne County, Nebraska.
- Sections: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 33, 34, 35, 36, T14N, R52W, Cheyenne County, Nebraska.
- Sections: 31, 32, 33, T15N, R52W, Cheyenne County, Nebraska.
- Sections: 1, 2, 3, 4, 9, 10, 11, 12, T12N, R53W, Cheyenne County, Nebraska.
- Sections: 1, 2, 11, 12, T14N, R53W, Cheyenne County, Nebraska.
- Sections: 35, 36, T15N, R53W, Cheyenne County, Nebraska.

Lodgepole Creek Integrated Management Subarea (Deuel County)

- Sections: 6, 7, 8, 9, 15, 16, 17, 18; and portions of 19, 20, 21, 22 T12N, R44W, Deuel County, Nebraska.
- Sections: 1, 2, 10, 11, 12, 13, 14, 15; and portions of 22, 23, 24, T12N, R45W, Deuel County, Nebraska.
- Section: 19, 30, 31, 32, T13N, R44W, Deuel County, Nebraska.
- Sections: 7, 8, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 35, 36, T13N, R45W, Deuel County, Nebraska.
- Sections: 1, 2, 3, 4, 9, 10, 11, 12, 13, T13N, R46W, Deuel County, Nebraska.
- Section: 33, 34 T14N, R46W, Deuel County, Nebraska.

Lodgepole Creek Integrated Management Subarea (Kimball County)

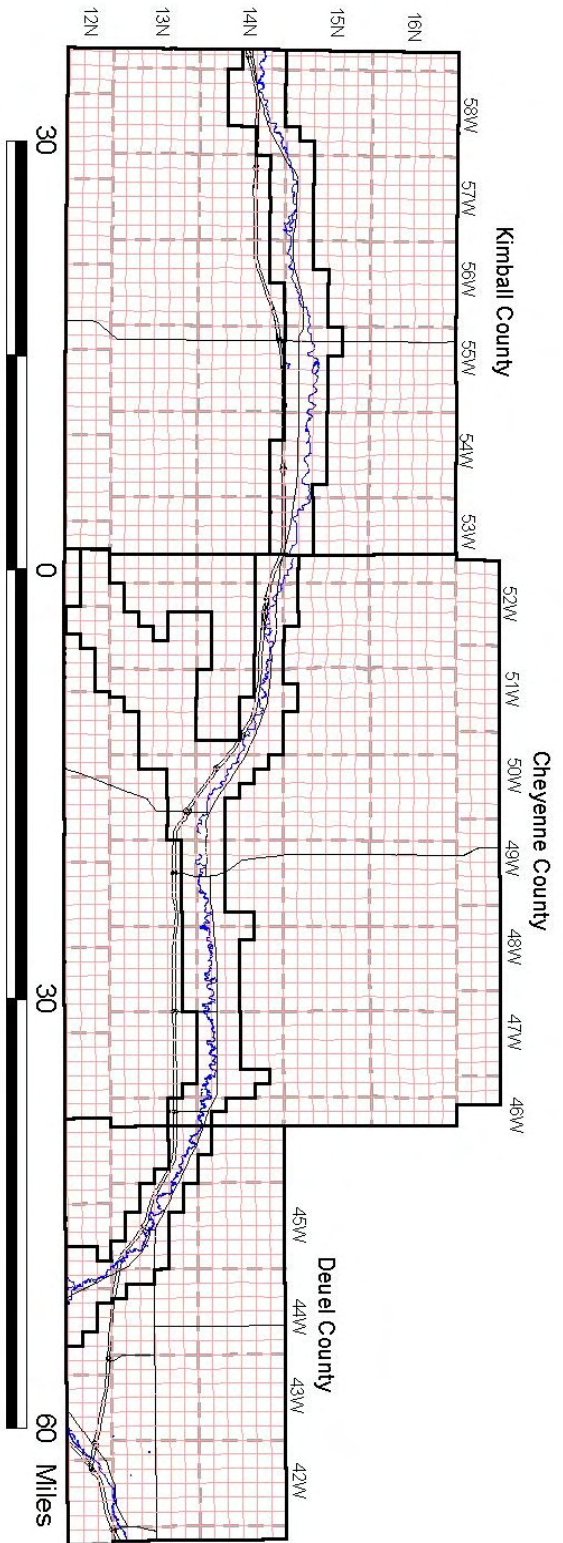
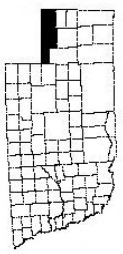
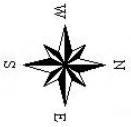
- Sections: 3, 4, 5, 6, T14N, R53W, Kimball County, Nebraska.
- Sections: 27, 28, 29, 30, 31, 32, 33, 34, T15N, R53W, Kimball County, Nebraska.
- Sections: 1, 2, 3, 4, T14N, R54W, Kimball County, Nebraska.

- Sections: 19, 20, 21, 22, 23, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, T15N, R54W, Kimball County, Nebraska.
- Sections: 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, T15N, R55W, Kimball County, Nebraska.
- Sections: 4, 5, 6, T14N, R56W, Kimball County, Nebraska.
- Sections: 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, T15N, R56W, Kimball County, Nebraska.
- Sections: 1, 2, 3, 4, 5, 6, T14N, R57W, Kimball County, Nebraska.
- Sections: 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, T15N, R57W, Kimball County, Nebraska.
- Sections: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 15, 16, 17, 18, 19, 20, 21, 22 T14N, R58W, Kimball County, Nebraska.
- Sections: 25, 35, 36, T15N, R58W, Kimball County, Nebraska.
- Sections: 1, 12, 13, and portions of 2, 11, 14, T14N, R59W, Kimball County, Nebraska.

Stratigraphic Extent:

The Management Subarea will include all geologic strata within the boundaries, beginning with the sediments from ground surface downward through all aquifer units supplying potable water. This includes Quaternary and Tertiary deposits as defined by the CSD-UNL.

Lodgepole Creek Integrated Ground Water Management Subarea South Platte Natural Resources District



Legend

State Highways	Proposed Boundary	Lodgepole Creek
Township Boundaries	Section Lines	