A. Permit Certificate

MUNICIPAL
WASTEWATER REUSE PERMIT
LA-000070-04

North Lake Recreational Sewer & Water District, P.O. Box 729, Donnelly, Idaho 83615 WITH FACILITIES IN **Township 16 North, Range 3 East, Section 9 (Rapid Infiltration Site) and Section 15 (Wastewater Treatment Facilities and Slow Rate Application Sites)** IS HEREBY AUTHORIZED TO CONSTRUCT, INSTALL, AND OPERATE A WASTEWATER REUSE SYSTEM IN ACCORDANCE WITH THE WASTEWATER REUSE RULES (IDAPA 58.01.17) AND THE WASTEWATER RULES (IDAPA 58.01.16), THE GROUND WATER QUALITY RULE (IDAPA 58.01.11), AND ACCOMPANYING PERMIT, APPENDICES, AND REFERENCE DOCUMENTS. THIS PERMIT IS EFFECTIVE FROM THE DATE OF SIGNATURE AND EXPIRES ON **DECEMBER 20, 2015**.

Pete Wagner
Boise Regional Office Administrator

12/20/2010
Date

DEPARTMENT OF ENVIRONMENTAL QUALITY
Boise Regional Office
1445 N. Orchard
Boise, ID 83706-2239
(208) 373-0550

POSTING ON SITE RECOMMENDED

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1. Environmental Monitoring Serial Numbers
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1. Plan of Operation (Operation and Maintenance Manual) for Slow Rate System
2. Plan of Operation (Operation and Maintenance Manual) for Rapid Infiltration System
3. Waste Solids Management Plan – CA-070-03
4. Grazing Management Plan (contained in Permit Application, Appendix E)

The Sections, Appendices, and Reference Documents listed on this page are all elements of Wastewater Reuse Permit LA-000070-04 and are enforceable as such. This permit does not relieve North Lake Recreational Sewer & Water District, hereafter referred to as the permittee, from responsibility for compliance with other applicable federal, state or local laws, rules, standards or ordinances.

C. Abbreviations, Definitions

BMP or BMPs	Best Management Practices
BOD or COD	Biological or Chemical Oxygen Demand
DEQ or the Department	Idaho Department of Environmental Quality
Director	Director of the Idaho Department of Environmental Quality, or the Directors Designee, i.e. Regional Administrator
GS	Growing Season – May 1 through October 15 (168 days).
GW	Ground Water
GWQR	IDAPA 58.01.11 "Ground Water Quality Rule"
Handbook or Guidelines	"Guidance for Reclamation and Reuse of Municipal and Industrial Wastewater ", on DEQ website: http://www.deq.idaho.gov/water/permits_forms/permitting/guidance.cfm
HLRgs	Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to land application hydraulic management units during the growing season. The HLRgs limit is specified in Section F. Permit Limits and Conditions.
HLRngs	Non-Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to each hydraulic management unit during the non-growing season. The HLRngs limit is specified in Section F. Permit Limits and Conditions.
HMU	Hydraulic Management Unit (Serial Number designation is MU)
IWR	Irrigation Water Requirement – Any combination of wastewater and supplemental irrigation water applied at rates commensurate to the moisture requirements of the crop, and calculated monthly during the growing season (GS). Calculation methodology for the IWR can be found at the following website: http://www.kimberly.uidaho.edu/water/appndxet/index.shtml. The equation used to calculate the IWR at this website is: $IWR = (CU - P_e) / E_i$ CU is the monthly consumptive use for a given crop in a given climatic area. CU is synonymous with crop evapotranspiration P_e is the effective precipitation. CU minus Pe is synonymous with the net irrigation requirement (IR) E_i is the irrigation system efficiency. To obtain the gross irrigation water requirement (IWR), divide the IR by the irrigation system efficiency.
IDAPA	Idaho Administrative Procedures Act.
LG	Lagoon
lb/ac-day	Pounds (of constituent) per acre per day
MBR	Membrane Bio-Reactor
MG	Million Gallons (1 MG = 36.827 acre-inches)
MGA	Million Gallons Annually (per WRP Reporting Year)
NGS	Non-Growing Season – October 16 through April 30.
O&M manual	Operation and Maintenance Manual, also referred to as the Plan of Operation
RI	Rapid Infiltration
SMU	Soil Monitoring Unit (Serial Number designation is SU)
TDS	Total Dissolved Solids or Total Filterable Residue
Typical Crop Uptake	The median constituent crop uptake from the three (3) most recent years the crop has been grown. Typical Crop Uptake is determined for each hydraulic management unit. For new crops having less than three years of on-site crop uptake data, regional crop yield data and typical nutrient content values, or other values approved by DEQ may be used.
WRP	Wastewater Reuse Permit (or Program)
WRP Reporting Year	The reporting year begins with the non-growing season and extends through the growing season of the following year, typically November 1 through October 31. For example, the 2000 Reporting Year was November 1, 1999 through October 31, 2000.
WW	Wastewater applied to the land application treatment site

D. Facility Information

Legal Name of Permittee	North Lake Recreational Sewer & Water District (District)
Type of Wastewater	Class C Municipal Wastewater
Method of Treatment	• Slow rate system: Lagoon treatment, chlorine disinfection, and slow rate land application on private property owned by Eld and Stevens. • Rapid infiltration (RI) system: Membrane bioreactor (MBR) system, enhanced phosphorus removal, ultraviolet disinfection, and discharge to RI basin system or the lagoon system.
Type of Facility	Public
Facility Location	• Lagoon treatment and slow rate land application sites located on west side of Eld Lane, southwest of the City of Donnelly. • RI basin site located on the east side of Norwood Road between Nisula and West Roseberry Roads on the west side of the Lake Fork arm of Cascade Lake.
Legal Location	• Wastewater Treatment Facilities and Slow Rate Application Sites: Township 16N, Range 3E, Section 15 • RI Site: Township 16N, Range 3E, Section 9
County	Valley
USGS Quad	Donnelly
Soils on Site	• Slow Rate Sites: Donnel sandy loam, Melton loam, Roseberry coarse sandy loam • RI Site: Donnel sand loam, Kangas fine gravelly loamy coarse sand
Depth to Ground Water	• Slow Rate Sites: Depth to seasonal high ground water is 1 to 4 feet, depth to regional aquifer is approximately 100 feet. • RI Site: Depth to seasonal high ground water is 3 to 25 feet, depth of unconfined aquifer system 244 feet or less, confined aquifer deeper than 244 feet.
Beneficial Uses of Ground Water	Agriculture, Domestic
Nearest Surface Water	• Slow Rate Sites: Lake Fork arm of Cascade Lake, Boulder Creek, un-named drainage runs through site • RI Site: Mud Creek, Lake Fork arm of Cascade Lake
Beneficial Uses of Surface Water	Agricultural Water Supply, Wildlife Habitat, Industrial Water Supply, Primary Contact Recreation, Cold Water Aquatic Life, Salmonid Spawning
Facility Contact **Mailing Address** **Phone**	Ronald Zarbnisky, District Chairman (Responsible Official) Bill Eddy, District Manager (Facility Contact) 435 South Eld Lane, P.O. Box 729, Donnelly, Idaho 83615 (208) 325-8958

E. Compliance Schedule for Required Activities

The Activities in the following table shall be completed on or before the Completion Date unless modified by the Department in writing.

Compliance Activity Number Completion Date	Compliance Activity Description
CA-070-01 **District Agreement for Stevens Property** Draft for review due prior to January 1, 2013	Submit for DEQ review and approval, a draft version of the renewal Agreement with the property owner for the slow rate application system on the Stevens property. The Agreement shall be revised as necessary to make it consistent with the requirements of this permit. A copy of the final, executed Agreement shall be submitted to DEQ within 30 days of the execution date.
CA-070-02 **Waste Solids Management Plan** Prior to removal of any solids off site	Submit a Waste Solids Management Plan for the treatment and disposal of biosolids from the wastewater treatment facilities for DEQ review and approval. The Plan shall describe how waste solids generated by the wastewater treatment system (lagoon sludge and MBR generated sludge) will be treated and disposed of to meet the requirements of Item No. 5 in Section I of this permit and EPA regulation 40 CFR 503.
CA-070-03 **Flow Rate Monitoring** Six (6) months after permit issuance	Install effluent flow measuring devices for the slow rate system to determine the volume of effluent discharged to each hydraulic management unit (HMU). Reporting of the volume of supplemental irrigation water applied to each HMU is also required, but may be based on pump curves and run time if the calculation procedures are submitted to and approved by DEQ.
CA-070-04 **Runoff Management Plan** As specified	1. No runoff is allowed from any site or fields used for wastewater slow rate irrigation, except after a 25-year, 24-hour storm event or greater. The permittee shall evaluate the Eld and Stevens properties for compliance with this requirement and submit the evaluation to DEQ for review and approval. Complete within six (6) months of permit issuance. 2. If evaluation in Item No. 1 finds that the slow rate fields are not in compliance with the runoff prevention criteria, the permittee shall submit plans for the construction of control structures and other BMPs to contain the design storm event for DEQ review and approval. Complete within six (6) months of determination in Item No. 1. 3. Complete installation of runoff prevention facilities approved by DEQ in Item No. 2. Complete within six (6) months of DEQ approval date.

E. Compliance Schedule for Required Activities

Compliance Activity Number Completion Date	Compliance Activity Description
CA-070-05 **Cells 1-4 Seepage Test** Seepage Testing Protocol due January 1, 2013 Testing completed prior to December 2013	Submit a Seepage Testing Protocol that defines the approach and testing procedures to be used to conduct seepage testing on Lagoon Cells 1, 2, 3 and 4. The protocol shall be based upon methods approved for use by DEQ. Upon approval of the protocol, conduct testing in accordance with the approved protocol and submit results for DEQ review. The performance standard is 0.25 inches per day. If a properly tested lagoon leaks more than 0.25 inches per day, the permittee shall either 1) submit a plan and schedule to either retest, repair, replace or decommission structures not meeting this standard, or 2) develop a plan based on ground water sampling and analyses and/or modeling to determine the effect of the lagoon leakage on the local ground water. If actual or predicted impacts do not comply with IDAPA 58.01.11 as determined by DEQ, the permittee shall comply with 1) above.

F. Permit Limits and Conditions

The permittee is allowed to reuse reclaimed wastewater at locations prescribed in the tables below and in accordance with all other applicable permit conditions and schedules.

Category	Permit Limits and Conditions	
	Slow Rate System	**Rapid Infiltration System**
Type of Wastewater	Class C Municipal Wastewater	Class C Municipal Wastewater
Application Site Area	• Eld Field 1: 104 acres • Stevens Field 2: 65 acres	• Rapid Infiltration (RI) Site No. 1
Application Season	May 1 through October 15	Year-round
Reporting Year for Annual Report	January 1 through December 31	January 1 through December 31
Maximum Application Volume of Water, each HMU	The Growing Season (GS) Hydraulic Loading Rate shall generally follow the Irrigation Water Requirement (IWR) using data from the tables contained in the following University of Idaho web site: http://www.kimberly.uidaho.edu/water/appndxet/index.shtml. IWR is equal to the Mean IR data from these tables divided by the irrigation system efficiency. In lieu of these tables, current climatic and evaporation data, or 30-year average data may be used to calculate the IWR, as defined in the Guidelines. **This limit applies to reclaimed wastewater and supplemental irrigation water, if used.** **Non-growing season (NGS) application of water is not allowed.**	No limit
Maximum Nitrogen Loading Rate, pounds/acre-year, each HMU	150% of typical crop uptake from all sources including manure from grazing and supplemental fertilizers, or UI Fertility Guide – combined total for Growing and Non-Growing Season.	Not applicable
Maximum COD Loading, Growing Season Average in pounds/acre-day, each HMU	50 pounds/acre-day	Not applicable

F. Permit Limits and Conditions

Category	Permit Limits and Conditions	
	Slow Rate System	**Rapid Infiltration System**
Effluent, Total Nitrogen, mg/L	No limit	10 mg/L or less
Effluent, Total Phosphorus, kg/month	No limit	8.3 kg/month or less, based on the average monthly phosphorus concentration in the effluent
Effluent, Total Suspended Solids, mg/L	No limit	100 mg/L or less, as a 30-day average concentration
Buffer Zones	The following minimum distances shall be provided between the buffer objects listed below and reclaimed wastewater reuse areas: Homes: 300 feet Areas of Public Access: 50 feet Domestic Water Wells: 500 feet Municipal Water Wells: 1,000 feet Natural Surface water: 100 feet Irrigation ditches/canals: 50 feet	The following minimum distances shall be provided between the buffer objects listed below and the perimeter of the RI basin site: Domestic Water Wells: 500 feet Municipal Water Wells: 1,000 feet
Grazing Requirements	Grazing shall be managed in accordance with the DEQ-approved grazing management plan.	Not allowed.

Category	Permit Limits and Conditions Applicable to both the Slow Rate System and the Rapid Infiltration System
Wastewater Treatment System Effluent, Total Coliform Limit	The median number of total coliform organisms shall not exceed 23 per 100 milliliters, as determined from the results of the last five (5) days for which analyses have been completed. In addition, the number of total coliform organisms shall not exceed 230 per 100 milliliters in any confirmed sample.
Posting/Restricting Access	• Fencing is required around the perimeter of the land application sites and the RI Basin site. • Warning signs stating "Reclaimed Wastewater Facility, Do Not Drink" or equivalent every 500 feet around the perimeter of the land application sites and the RI Basin site.
Wastewater Treatment and Reuse System Operation	The wastewater treatment facilities and reuse systems shall be operated by personnel certified and licensed in the State of Idaho wastewater operator training program at the operator class level specified in IDAPA 58.01.16.203 of the *Wastewater Rules*, and properly trained to operate and maintain the system. Operation of the wastewater treatment system shall be monitored on a 24-hour basis for alarm conditions, including notification of the qualified operating personnel under alarm conditions.

F. Permit Limits and Conditions

Category	Permit Limits and Conditions Applicable to both the Slow Rate System and the Rapid Infiltration System
Waste Solids Management Plan	Waste solids shall be managed in accordance with the DEQ-approved Waste Solids Management Plan. See Compliance Activity CA-070-03 in Section E of this WRP.
Odor Management	The wastewater treatment plant, reuse facilities, and other operations associated with the facility shall not create a public health hazard or nuisance conditions, including odors.
Construction Plans	Prior to construction or modification of facilities associated with the wastewater treatment or reuse systems, plans and specifications shall be submitted to DEQ for review and approval. Within 30 days of completion of construction, the permittee shall submit as-built plans for review and approval.
Supplemental Irrigation Water Protection	For systems with reclaimed wastewater and fresh irrigation water interconnections, DEQ-approved backflow prevention devices are required for protection of fresh irrigation water sources.

G. Monitoring Requirements

1. The permittee shall monitor and measure parameters as stated in the Facility Monitoring Tables in this section. Unless otherwise agreed to in writing by the DEQ, data collected and submitted shall include, but not be limited to, the parameters and frequencies in the Facility Monitoring Tables.
2. Samples shall be collected at times and locations that represent typical environmental and process parameters being monitored.
3. Appropriate analytical methods, as approved by DEQ, shall be employed. An up-to-date description of sample collection methods, appropriate analytical methods, and QA/QC protocols shall be included in the Plan of Operation manual.
4. A Hydraulic Management Unit (HMU) is a pre-defined area or field(s) that, in as much as possible, have similar cropping practices, irrigation practices, and other management characteristics. The HMUs are defined in Appendix 1, "Environmental Monitoring Serial Numbers".
5. Ten (10) soil sample locations shall be selected for each Soil Monitoring Unit (SMU). Three (3) soil samples shall be collected at each sample location, one at 0-12 inches, one at 12-24 inches, and one at 24-36 inches. The soil samples collected at each depth shall be composited to yield three (3) samples for analysis from each soil monitoring unit.
6. The static water level in each ground water monitoring well shall be measured prior to purging and/or sampling ground water. Ground water monitoring wells shall be purged a minimum of three (3) casing volumes prior to obtaining a sample of ground water. Alternately, wells shall be continually purged until field measurements satisfy each of the following conditions: two consecutive temperature values measured at least five minutes apart are within one degree Celsius of each other, two consecutive pH measurements taken at least five minutes apart are within 0.2 units of each other, and two consecutive specific conductance values measured at least five minutes apart are within 10% of each other. Alternate procedures, such as low flow sampling, shall be submitted to DEQ for review and approval prior to implementation.
7. Annual reporting of monitoring requirements is described in Section H, Standard Reporting Requirements.
8. Monitoring locations are defined in Appendix 1, "Environmental Monitoring Serial Numbers".

Facility Monitoring Table, Slow Rate System

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Influent Sewage			
Daily	Flow Meter	Sewer influent flow rate to lagoon system	Gallons per day
Reclaimed Wastewater			
Daily (when irrigating with reclaimed wastewater)	Flow Meter	Volume of Reclaimed Wastewater to slow rate irrigation	Gallon per day, gallons per month, and acre-inches/month applied, each HMU. See Note 4 above.
Weekly (each week when reclaimed wastewater is applied)	Following Disinfection Process	Grab Sample of Reclaimed Wastewater	Total Coliform

G. Monitoring Requirements

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Monthly (each month when reclaimed wastewater is applied)	Following Disinfection Process	Grab Sample of Reclaimed Wastewater	Total Kjeldahl Nitrogen, Nitrate-Nitrogen, Total Phosphorus, Chemical Oxygen Demand
Supplemental Irrigation Water			
Daily (when using supplemental irrigation water)	Flow Meter or DEQ-approved equivalent	Volume of Supplemental Irrigation Water	Gallon per day, gallons per month, and acre-inches/month applied, each HMU
Ground Water			
Twice per year, April and October	Ground water monitoring wells GW-07001, 07002, 07003, and 07004	See Note 6 above.	Depth to Ground Water, Ground Water Elevation, Nitrate Nitrogen, Total Coliform, Total Phosphorus, Total Dissolved Solids, Chloride
Soil			
Annually (following completion of reclaimed wastewater application season)	Each SMU	Composite Soil Sample See Note 5 above.	Electrical Conductivity, Nitrate-N, Ammonium-N, pH, Plant Available Phosphorous Note: Use the Olsen method for soils with pH 6.5 or greater, use the Bray method if soil pH is less than 6.5
Miscellaneous Data and Calculations			
Annually	Each HMU	Acres used for the reuse of reclaimed wastewater	1. If all acres of a HMU are used, no site plan submittal is required. 2. If a portion of the HMU acreage is utilized, submit a site plan showing the areas used within the HMU and quantify the acres.
Annually	Each HMU	Calculate Irrigation Water Requirement	Volume (inches/acre and total gallons) for each month during application season.
Annually	Each HMU	Calculate total nitrogen loading from reclaimed wastewater	Pounds /acre-year
Annually	Each HMU	Calculate phosphorus loading from reclaimed wastewater	Pounds /acre-year
Annually	Each HMU	Calculate COD loading from reclaimed wastewater, growing season average	Pounds /acre-day
Annually	Each HMU	Calculate crop nitrogen and phosphorus removal	Total pounds/HMU and pounds/acre and provide basis for calculations

G. Monitoring Requirements

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Annually	At Reclaimed Wastewater/ Supplemental Irrigation Water interconnections with the potential for contaminating the supplemental water supply	Backflow Prevention Device testing	Provide documentation of the testing of all backflow prevention devices.
Every two years, starting with first year of permit	Flow measurement devices	Calibration of flow meters used to measure flow rates to reuse areas.	Provide documentation for the calibration of all flow meters and pumps used directly or indirectly to measure all reclaimed wastewater and supplemental irrigation water flows applied to reuse areas.

Facility Monitoring Table, Rapid Infiltration System

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Influent Sewage			
Daily	Flow Meter	Sewer influent flow rate to Membrane Bioreactor treatment system	Gallons per day
Reclaimed Wastewater System			
Daily	Flow Meter	Volume of Reclaimed Wastewater to rapid infiltration system	Gallons per day, rapid infiltration basin(s) used for discharge, total gallons per month
Daily	Flow Meter	Volume of Reclaimed Wastewater diverted	Gallons per day, diversion point, total gallons per year
Weekly, when producing reclaimed wastewater for delivery to RI Basins	Sample point following UV disinfection process	Grab Sample of Reclaimed Wastewater	Total Coliform, Total Phosphorus, Total Suspended Solids
Monthly	Sample point following UV disinfection process	Grab Sample of Reclaimed Wastewater	Total Kjeldahl Nitrogen, Nitrate - Nitrogen

G. Monitoring Requirements

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Ground Water			
Monthly, for the twelve months after RI basins are put into operation	Ground water monitoring wells GW-07005, 07006, and 07007	See Note 6.	Depth to Ground Water, Ground Water Elevation, Nitrate Nitrogen, Total Coliform, Total Phosphorus, Total Dissolved Solids, Chloride
Quarterly, after initial monthly monitoring is completed	Ground water monitoring wells GW-07005, 07006, and 07007	See Note 6.	Depth to Ground Water, Ground Water Elevation, Nitrate Nitrogen, Total Coliform, Total Phosphorus, Total Dissolved Solids, Chloride
Miscellaneous Data and Calculations			
Annually	Each rapid infiltration basin (14 basins)	Calculation of volume of reclaimed wastewater to each basin	Gallons per year
Annually	Rapid infiltration system	Calculation of phosphorus mass discharged to the system	Mass of phosphorus per year
Every two years, starting with first year of permit	At flow measurement locations	Calibration of flow meter	Provide documentation for the calibration of the flow meter used to measure reclaimed wastewater production from the MBR system

H. Standard Reporting Requirements

1. The permittee shall submit an Annual Wastewater Reuse Site Performance Report ("Annual Report") prepared by a competent environmental professional no later than March 31 of each year which shall cover the previous year (see section F for reuse reporting period). The Annual Report shall include results for monitoring required in Section G, status of compliance activities, and an interpretive discussion of monitoring data (ground water, vadose zone, hydraulic loading, wastewater etc.) with particular respect to environmental impacts by the facility.

2. The annual report shall contain the results of the required monitoring as described in Section G. Monitoring Requirements. If the permittee monitors any parameter more frequently than required by this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the annual report.

3. The annual report shall be submitted to the Engineering Manager at the following address:

   Boise Regional Office
   1445 N. Orchard
   Boise, ID 83706-2239
   (208) 373-0550

4. Notice of completion of any work described in Section E. Compliance Schedule for Required Activities shall be submitted to the Department within 30 days of activity completion. The status of all other work described in Section E shall be submitted with the Annual Report.

5. All laboratory reports containing the sample results for monitoring required by Section G. Monitoring Requirements of this permit shall be submitted with the Annual Report.

I. Standard Permit Conditions: Procedures and Reporting

1. The permittee shall at all times properly maintain and operate all structures, systems, and equipment for treatment, operational controls and monitoring, which are installed or used by the permittee to comply with all conditions of the permit or the Wastewater Reuse Permit Regulations, in conformance with a DEQ approved, current Plan of Operations (Operations and Maintenance Manual) which describes in detail the operation, maintenance, and management of the wastewater treatment system. This Plan of Operations shall be updated as necessary to reflect current operations.

2. Wastewater(s) or recharge waters applied to the land surface must be restricted to the premises of the application site. Wastewater discharges to surface water that require a permit under the Clean Water Act must be authorized by the U.S. Environmental Protection Agency.

3. Wastewater must not create a public health hazard or nuisance condition as stated in IDAPA 58.01.16.600.03. In order to prevent public health hazards and nuisance conditions the permittee shall:

   a. Apply wastewater as evenly as practicable to the treatment area;
   b. Prevent organic solids (contained in the wastewater) from accumulating on the ground surface to the point where the solids putrefy or support vectors or insects; and
   c. Prevent wastewater from ponding in the fields to the point where the ponded wastewater putrefies or supports vectors or insects.

4. The permittee shall:

   a. Manage the wastewater reuse treatment site as an agronomic operation where vegetative cover is grown and harvested or grazed to utilize the nutrients and minerals in the wastewater, and,
   b. Not hydraulically overload any particular areas of the wastewater reuse treatment site.

5. All waste solids, including dredgings and sludges, shall be utilized or disposed in a manner which will prevent their entry, or the entry of contaminated drainage or leachate therefrom, into the waters of the state such that health hazards and nuisance conditions are not created; and to prevent impacts on designated beneficial uses of the ground water and surface water. The permittee's management of waste solids shall be governed by the terms of the DEQ approved Waste Solids Management Plan, which upon approval shall be an enforceable portion of this permit.

6. If the permittee intends to continue operation of the permitted facility after the expiration of an existing permit, the permittee shall apply for a new permit at least six months prior to the expiration date of the existing permit in accordance with the Wastewater Reuse Permit Regulations and include seepage tests on all lagoons per latest DEQ procedures.

7. The permittee shall allow the Director of the Idaho Department of Environmental Quality or the Director's designee (hereinafter referred to as Director), consistent with Title 39, Chapter 1, Idaho Code, to:

   a. Enter the permitted facility,
   b. Inspect any records that must be kept under the conditions of the permit.
   c. Inspect any facility, equipment, practice, or operation permitted or required by the permit.
   d. Sample or monitor for the purpose of assuring permit compliance, any substance or any parameter at the facility.

8. The permittee shall report to the Director under the circumstances and in the manner specified in this section:

   a. In writing thirty (30) days before any planned physical alteration or addition to the permitted facility or activity if that alteration or addition would result in any significant change in information that was submitted during the permit application process.
   b. In writing thirty (30) days before any anticipated change which would result in non-compliance with any permit condition or these regulations.

c. Orally within twenty-four (24) hours from the time the permittee became aware of any non-compliance which may endanger the public health or the environment at telephone numbers provided in the permit by the Director (see below)

DEQ Regional Office: see Permit Certification Page
Emergency 24 Hour Number 1-800-632-8000

d. In writing as soon as possible but within five (5) days of the date the permittee knows or should know of any non-compliance unless extended by the DEQ. This report shall contain:

i. A description of the non-compliance and its cause;
ii. The period of non-compliance including to the extent possible, times and dates and, if the non-compliance has not been corrected, the anticipated time it is expected to continue; and
iii. Steps taken or planned to reduce or eliminate reoccurrence of the non-compliance.

e. In writing as soon as possible after the permittee becomes aware of relevant facts not submitted or incorrect information submitted, in a permit application or any report to the Director. Those facts or the correct information shall be included as a part of this report.

9. The permittee shall take all necessary actions to prevent or eliminate any adverse impact on the public health or the environment resulting from permit noncompliance.

10. The permittee shall determine (on an on-going basis) if any noxious weed problems relate to the permitted sites. If problems are present, coordinate with the Idaho Department of Agriculture or the local County authority regarding their requirements for noxious weed control. Also address these control operations in an update to the Operations and Maintenance Manual.

J. Standard Permit Conditions: Modifications, Violations, and Revocations

1. The permittee shall furnish to the Director within reasonable time, any information including copies of records, which may be requested by the Director to determine whether cause exists for modifying, revoking, re-issuing, or terminating the permit, or to determine compliance with the permit or these regulations.

2. Both minor and major modifications may be made to this permit as stated in IDAPA 58.01.17.700.01 and 02 with respect to any conditions stated in this permit upon review and approval of the DEQ.

3. Whenever a facility expansion, production increase or process modification is anticipated which will result in a change in the character of pollutants to be discharged or which will result in a new or increased discharge that will exceed the conditions of this permit, or if it is determined by the DEQ that the terms or conditions of the permit must be modified in order to adequately protect the public health or environment, a request for either major or minor modifications must be submitted together with the reports as described in I. *Standard Reporting Requirements*, and plans and specifications for the proposed changes. No such facility expansion, production increase or process modification shall be made until plans have been reviewed and approved by the DEQ and a new permit or permit modification has been issued.

4. Permits shall be transferable to a new owner or operator provided that the permittee notifies the Director by requesting a minor modification of the permit before the date of transfer.

5. Any person violating any provision of the Waste Water Reuse Permit Regulations, or any permit or order issued thereunder shall be liable for a civil penalty not to exceed ten thousand dollars ($10,000) or one thousand dollars ($1,000) for each day of a continuing violation, whichever is greater. In addition, pursuant to Title 39, Chapter 1, Idaho Code, any willful or negligent violation may constitute a misdemeanor.

6. The Director may revoke a permit if the permittee violates any permit condition or the Wastewater Reuse Permit Regulations.

7. Except in cases of emergency, the Director shall issue a written notice of intent to revoke to the permittee prior to final revocation. Revocation shall become final within thirty-five (35) days of receipt of the notice by the permittee, unless within that time the permittee request an administrative hearing in writing to the Board of the Department of Environmental Quality pursuant to the Rules of Administrative Procedures contained in IDAPA 58.01.23.

8. If, pursuant to Idaho Code 67-5247, the Director finds the public health, safety or welfare requires emergency action, the Director shall incorporate findings in support of such action in a written notice of emergency revocation issued to the permittee. Emergency revocation shall be effective upon receipt by the permittee. Thereafter, if requested by the permittee in writing, a revocation hearing before the Board of the Department of Environmental Quality shall be provided. Such hearings shall be conducted in accordance with the Rules of Administrative Procedures contained in IDAPA 58.01.23.

9. The provisions of this permit are severable and if a provision or its application is declared invalid or unenforceable for any reason, that declaration will not affect the validity or enforceability of the remaining provisions.

10. The permittee shall notify the DEQ at least six (6) months prior to permanently removing any permitted reuse facility from service, including any treatment, storage, or other facilities or equipment associated with the reuse site. Prior to commencing closure activities, the permittee shall: a) participate in a pre-site closure meeting with the DEQ; b) develop a site closure plan that identifies specific closure, site characterization, or cleanup tasks with scheduled task completion dates in accordance with agreements made at the pre-site closure meeting; and c) submit the completed site closure plan to the DEQ for review and approval within forty-five (45) days of the pre-site closure meeting. The permittee must complete the DEQ approved site closure plan.

Appendix 1
Environmental Monitoring Serial Numbers

HYDRAULIC MANAGEMENT UNITS

Serial Number	Description	Area (Acres)
MU-07001	Eld Field 1 (slow rate system)	104
MU-07002	Stevens Field 2 (slow rate system)	65
MU-07003	Rapid Infiltration Basins (14 cells)	NA

SOIL MONITORING UNITS

Serial Number	Description	Area (Acres)
SU-07001	Eld Field 1	104
SU-07002	Stevens Field 2	65

WASTEWATER SAMPLING POINTS

Serial Number	Description
WW-07001	Influent sewage to wastewater treatment systems
WW-07002	Disinfected effluent from lagoon treatment system
WW-07003	MBR effluent prior to disinfection
WW-07004	MBR effluent after disinfection

GROUND WATER MONITORING WELLS

Serial Number	Description	Location
GW-07001	MW-1, north boundary of Stevens Field 2	Upgradient well for Stevens property
GW-07002	MW-2, SW corner of Stevens Field 2	Downgradient well for Stevens property
GW-07003	MW-3, NE corner of Eld Field 1	Upgradient well for Eld property
GW-07004	MW-4, SW corner of Eld Field 1	Downgradient well for Eld property
GW-07005	MW-5, West of RI Basin site	Upgradient well for RI basin site
GW-07006	MW-6, East of RI Basin site	Downgradient well for RI basin site
GW-07007	MW-7, SE of RI Basin site	Downgradient well for RI basin site

LAGOONS

Serial Number	Description	Volume (MG)
LG-07001	Aerated Lagoon 1, Complete Mix	2.80
LG-07002	Aerated Lagoon 2, Complete Mix (aeration added in 2006)	1.40
LG-07003	Polishing Lagoon 3	1.54
LG-07004	Effluent Storage Lagoon 4	8.20
LG-07005	Effluent Storage Lagoon 5	52.6

Appendix 2
Site Maps

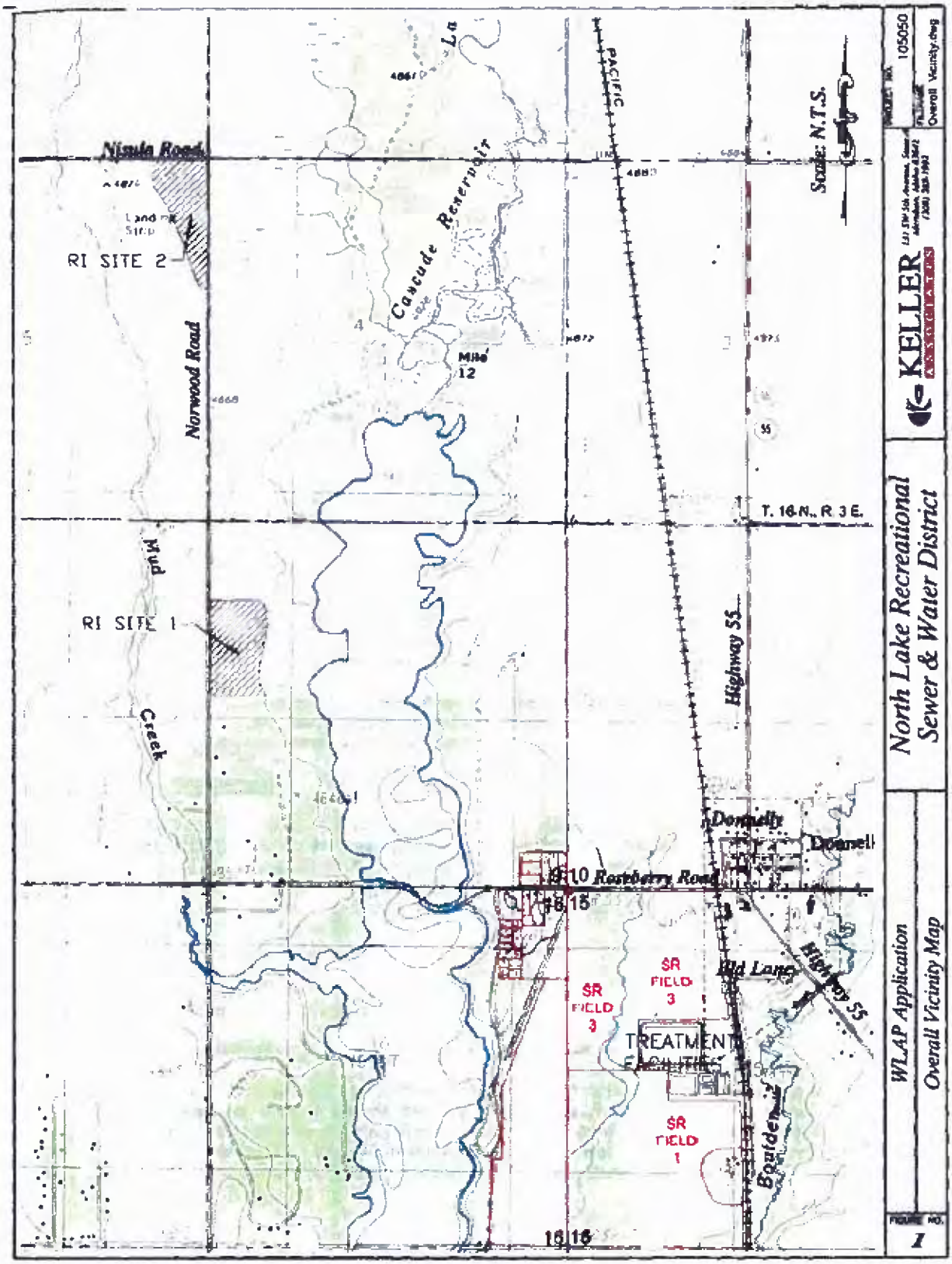


Figure A.1: Vicinity Map

Appendix 2
Site Maps

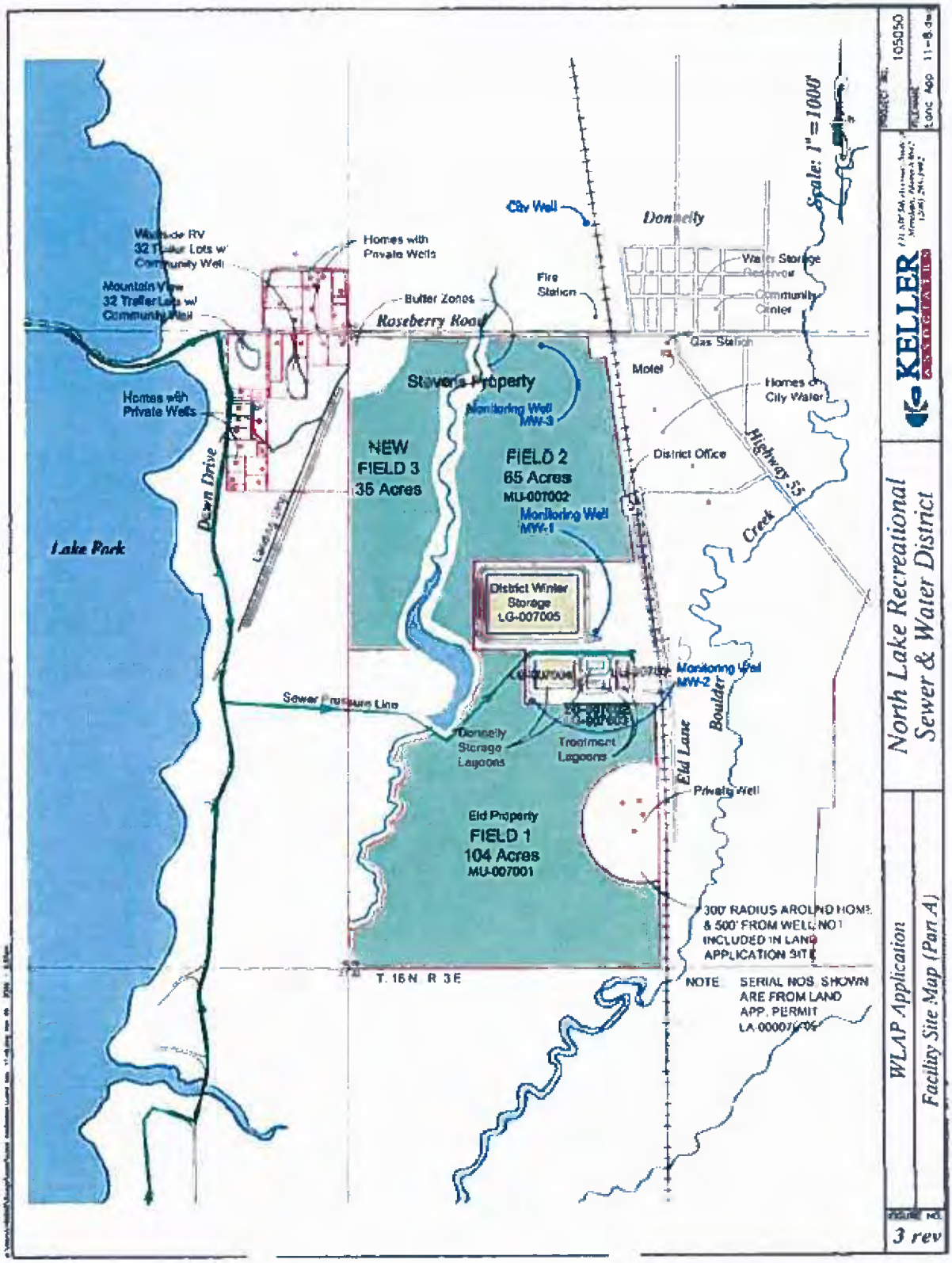


Figure A.2: Slow Rate Land Application Sites*
***Note: Field 3 is not currently permitted for use.**

Appendix 2
Site Maps

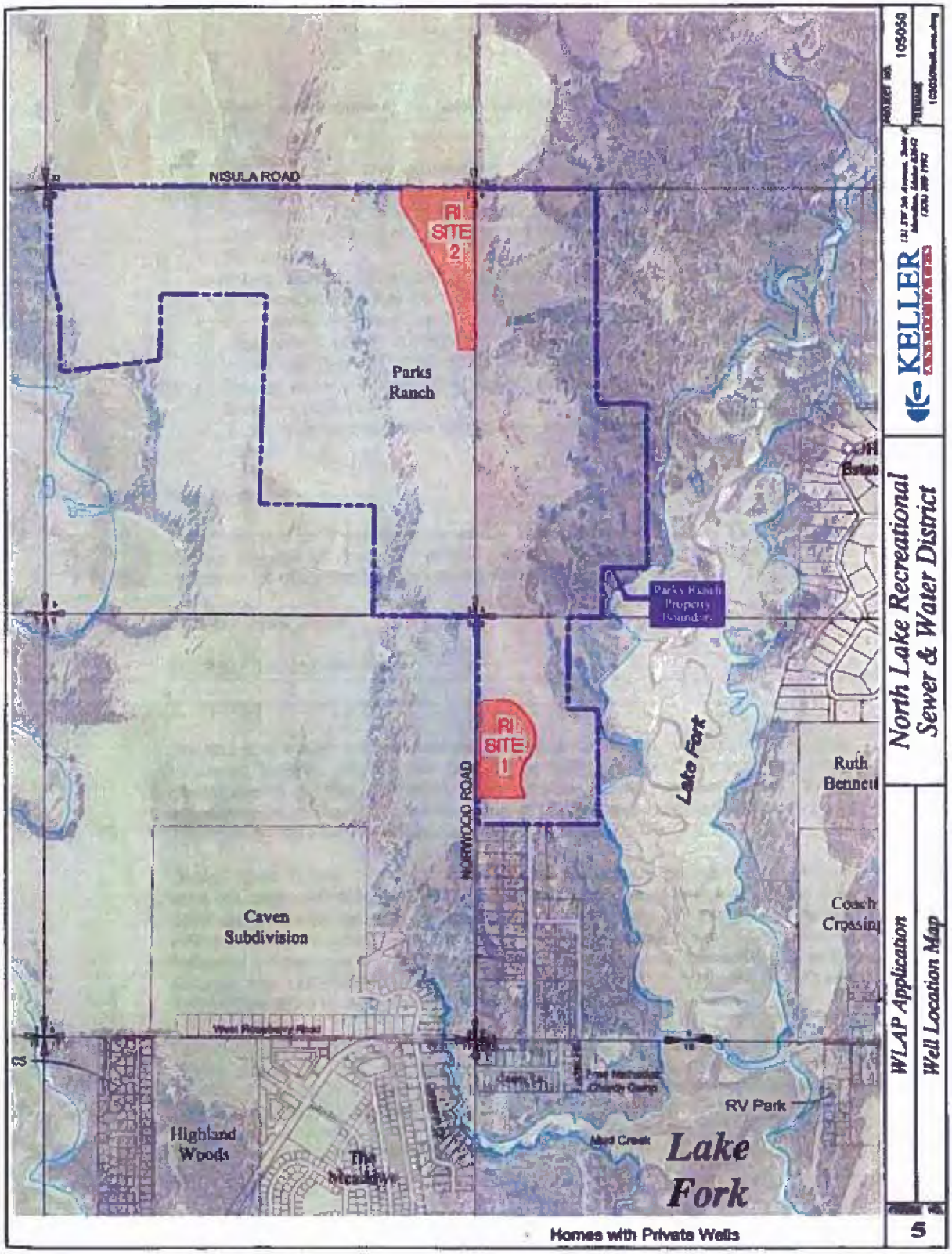


Figure A.3: Rapid Infiltration Basin Sites*
***Note: RI Site 2 is not currently permitted for use.**