

APPENDIX A – MARY JANE RANCH SITE PLAN



MARY JANE RANCH SUBDIVISION

EL PASO COUNTY, COLORADO

WATER RESOURCES REPORT

MARCH 11, 2025

Prepared by:

Kimley»Horn

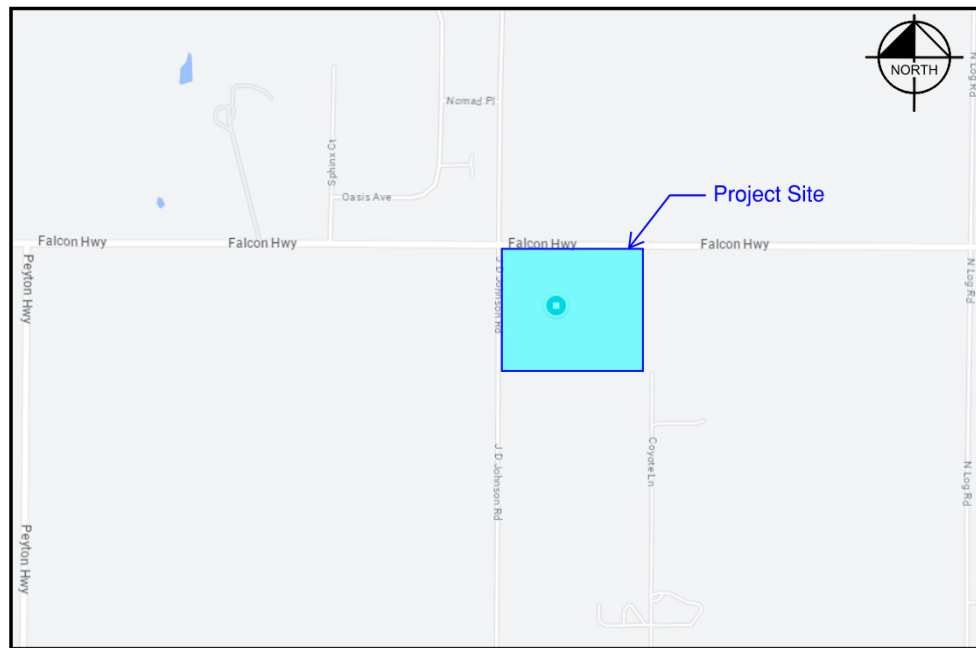
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SUMMARY OF THE PROPOSED SUBDIVISION

SITE LOCATION

This Water Resources Report has been prepared for Mary Jane Ranch (the “Project/Site”) located at the southeast corner of Falcon Highway and J D Johnson Road at 6425 J D Johnson Road, Peyton, CO. More specifically, the Site is located in the northwest ¼ of the northwest ¼ of Section 15, Township 13 South, Range 63 West of the 6th P.M., County of El Paso, State of Colorado. The property is bounded by J D Johnson Road to the west, Falcon Highway to the north, a ±40-acre single-family residence with gravel lot to the east, and privately owned ±9-acre single-family lots to the south. A vicinity map is provided below for reference:



Vicinity Map
(N.T.S)

DESCRIPTION OF PROPERTY

The Project Site is approximately 40 acres of mostly undeveloped land. The Site contains a garage with a gravel drive and accessory structures with existing access off J D Johnson Road via a private driveway. A modular single-family residence is located adjacent to the garage but will be removed from the site prior to the development of the Project. Development of Mary Jane Ranch will consist of subdividing the 40-acre section into four (4) single-family lots (Lots 1-4) ranging between 9.149 and 9.841 acres along with the addition of a private drive from J D Johnson Road to service Lots 1-3 of the Project. The location of the existing garage and single-family residence will make up Lot 4 of the Project, which is proposed to contain a new single-family residence while maintaining its existing access via J D Johnson Road. Refer to **Appendix A** for a site plan for the Project.

The existing single-family residence in Lot 4 has received potable water service through an existing well (Permit No. 228255) that will be plugged and abandoned as part of this Project. All lots will receive potable water service via the installation of new wells. Sanitary sewer service will be provided by the installation of

individual septic systems for Lots 1-3 and retaining the existing septic system for Lot 4. It is not anticipated that the Project will utilize any existing and/or construct any water or sewer mains as part of this Project.

The water system information presented herein will focus on the water supply needs anticipated with proposed development of the Project.

INFORMATION REGARDING SUFFICIENT QUANTITY OF WATER

WATER SYSTEM LAYOUT AND DEMANDS

The Project Site has an existing well (Permit No. 228255) that withdraws from the Denver aquifer and provides potable water service to the existing single-family residence located in Lot 4. It's anticipated that the existing well will be abandoned and new individual wells will be installed for Lots 1-4. The Water Information Summary sheet required by El Paso County can be found in **Appendix B**.

Estimated water demands for Lots 1-4 were calculated per the El Paso County Land Development Code. A conservative estimate of 0.5 AC-FT/Yr/Lot for irrigation demand was used due to the size of each lot and historical higher irrigation needs for similar developments with the same owner. Table 1, shown below, highlights the calculated estimated water use for Lots 1-4 of the Project.

Table 1: Estimation of Water Demand (Lots 1-4)

User Type	Unit Count	Unit Demand	Total Demand		
	(Lots)	(AC-FT/Yr/Lot)	(AC-FT/Yr)	(AC-FT/Day)	(GPD)
Household	4	0.26	1.04	0.003	928.59
Irrigation	4	0.50	2.00	0.005	1,785.75
Total:			3.04	0.008	2,714.34

The Ellicott Fire Protection District (EFPD) will provide fire protection services for the Project. Information on fire protection for Mary Jane Ranch has been included in **Appendix C**. The proposed and existing wells for the Project are not anticipated to provide fire protection capacity.

AVAILABLE QUANTITY AND DEPENDABILITY OF WATER SUPPLY

As previously discussed in the **Description of Property** section of this report, the Project Site will be subdivided into Lots 1-4. Water service for all four lots will be provided through the installation or retention of individual wells. Detailed water rights information for the Project Site can be found in **Appendix D**.

Water right determinations for the Project Site highlight available groundwater allocations from three aquifers: Laramie-Fox, Arapahoe, and Denver. Groundwater allocation from the Laramie-Fox aquifer is nontributary (NT) with an available water volume of 1,260 acre-feet for the Project Site. Allocations from the Arapahoe aquifer are not-nontributary (NNT) consisting of a required 4% replacement with an available water volume of 1,530 acre-feet. The Denver aquifer is NNT consisting of a required actual impact replacement with an available water volume of 950 acre-feet. Use of the NNT aquifers will require a commission approved replacement plan. Table 2, shown below, details the available water rights for the Project Site.

Table 2: Water Rights

Aquifer	Classification	Volume of Available Water	100-Yr Life	300-Yr Life
		(AC-FT)	(AC-FT/Yr)	(AC-FT/Yr)
Laramie-Fox	NT	1,260	12.60	4.20
Arapahoe	NNT	1,530	15.30	5.10
Denver*	NNT	950	9.50	3.17

(*) Available water in the Denver aquifer includes a reduction for the existing well (No. 228255)

El Paso County requires sufficient quantity of water to be based on the 300-year life of the available water supply. Per Tables 1-2, the Project's estimated water use of 3.04 AC-FT/Yr is below the total 300-year life of all three aquifers. The eventual homeowners will be responsible for well permitting and drilling and will utilize the Denver aquifer for water service.

The Denver aquifer has ample capacity available to support all proposed lots. As previously noted, the NNT water right to the Denver aquifer requires a commission approved required actual impact replacement plan with an available water volume of 950 acre-feet. Establishment of the proposed wells and replacement plan coordination to obtain the well permit(s) will be the responsibility of the future lot owner(s).

It is anticipated that water rights for this property will be equally divided amongst the eventual lot owners during the sale process for each individual lot.

If the Laramie-Fox or Arapahoe aquifers were to be utilized, per the obtained water decree, additional review and approval by the County will be required for the water supply source change.

INFORMATION REGARDING SUFFICIENT WATER QUALITY

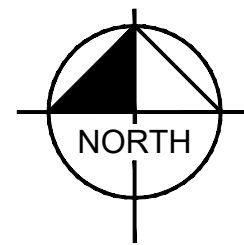
Water quality tests were performed at the existing well at 6425 JD Johnson Road that pulls from the Denver aquifer. Water samples were tested by the El Paso County Public Health Laboratory. The Standard Bacteriological and Inorganic Anions tests were both within acceptable limits recommended by the Environmental Protection Agency. Additional tests were performed at the same well by Colorado Analytical and Hazen Research Inc. All results fall within the limits set by the El Paso County Development Code. Water Quality results are included in **Appendix E**.

Water quality testing on the alternative aquifer was deemed cost prohibitive and was not performed at this time. If the Laramie-Fox or Arapahoe aquifers were to be utilized, per the obtained water decree, additional water quality testing will need to be performed to ensure the supply meets El Paso County Quality standards.

PUBLIC AND PRIVATE COMMERCIAL WATER PROVIDERS

Each home within the Project Site will be supplied water from individual on-site wells. Commercial water providers are not involved or responsible for the water system discussed in this report.

APPENDIX A – MARY JANE RANCH SITE PLAN



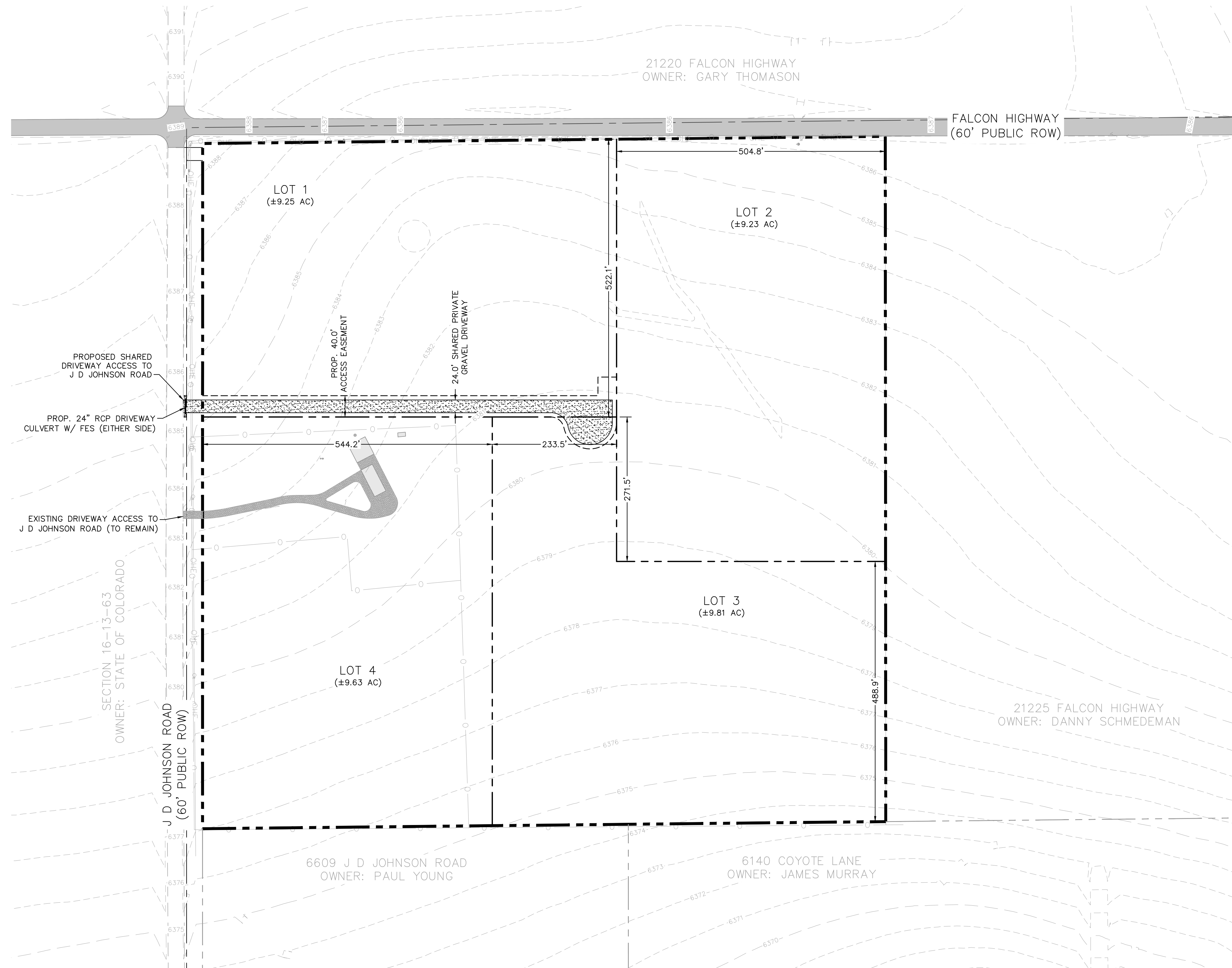
GRAPHIC SCALE IN FEET
0 50 100 200

MARY JANE RANCH - MINOR SUBDIVISION

EL PASO COUNTY, CO

LEGEND

- PROPERTY LINE
- NEIGHBORING LOT LINE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- GRAVEL DRIVE



MARY JANE RANCH
SITE PLAN EXHIBIT
10/15/2024

Kimley»Horn

© 2024 KIMLEY-HORN AND ASSOCIATES, INC.
2 N NEVADA AVE., SUITE 900, COLORADO SPRINGS, 80903
PHONE: 719-453-0180

APPENDIX B – MARY JANE RANCH WATER INFORMATION SUMMARY SHEET

WATER SUPPLY INFORMATION SUMMARY

Section 30-28-133(d), C.R.S. requires that the applicant submit to the County, "Adequate evidence that a Water supply that is sufficient in terms of quantity, quality, and dependability will be available to ensure an adequate supply of water"

1. NAME OF DEVELOPMENT AS PROPOSED MARY JANE RANCH			
2. LAND USE ACTION REZONE/MINOR PLAT			
3. NAME OF EXISTING PARCEL AS RECORDED 6425 J D JOHNSON ROAD			
SUBDIVISION	FILING	BLOCK	Lot
4. TOTAL ACERAGE 40+/-	5. NUMBER OF LOTS PROPOSED 4	PLAT MAPS ENCLOSED YES <input type="checkbox"/>	
6. PARCEL HISTORY - Please attach copies of deeds, plats, or other evidence or documentation. (In submittal package)			
A. Was parcel recorded with county prior to June 1, 1972? <input type="checkbox"/> YES <input type="checkbox"/> NO			
B. Has the parcel ever been part of a division of land action since June 1, 1972? <input type="checkbox"/> YES <input type="checkbox"/> NO			
If yes, describe the previous action			
7. LOCATION OF PARCEL - Include a map delineating the project area and tie to a section corner.			
NW 1/4 SECTION 15 and TOWNSHIP 13 <input type="checkbox"/> N <input checked="" type="checkbox"/> S RANGE 63 <input type="checkbox"/> E <input checked="" type="checkbox"/> W			
PRINCIPAL MERIDIAN: <input checked="" type="checkbox"/> 6TH <input type="checkbox"/> N.M. <input type="checkbox"/> UTE <input type="checkbox"/> COSTILLA			
8. PLAT - Location of all wells on property must be plotted and permit numbers provided. - no wells have been drilled at this time, and no existing wells are located on the property.			
Surveyors plat <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If not, scaled hand -drawn sketch Y <input type="checkbox"/> NO			
9. ESTIMATED WATER REQUIREMENTS - Gallons per Day or Acre Foot per Year		10. WATER SUPPLY SOURCE	
HOUSEHOLD USE # * 4 of units _____ AF/SFE/YR 1.04 AF		<input type="checkbox"/> EXISTING <input checked="" type="checkbox"/> DEVELOPED <input type="checkbox"/> NEW WELLS	
COMMERCIAL USE # _____ SF _____ GPD _____ AF		WELLS SPRING WELL PERMIT NUMBERS	
IRRIGATION # ** .5 AF/lot/year _____ GPD 2.0 AF		Proposed Aquifers - (Check One) <input type="checkbox"/> Alluvial <input checked="" type="checkbox"/> Upper Arapahoe <input type="checkbox"/> Upper Dawson <input type="checkbox"/> Lower Arapahoe <input type="checkbox"/> Lower Dawson <input type="checkbox"/> Laramie Fox Hills <input type="checkbox"/> Denver <input type="checkbox"/> Dakota <input type="checkbox"/> Other	
ANIMAL WATERING # *** _____ 244 _____ AF/Horse/Year _____ AF		<input type="checkbox"/> MUNICIPAL	
_____ GPD _____ AF		<input type="checkbox"/> ASSOCIATION	
TOTAL 2,714 GPD 3.04 AF *		<input type="checkbox"/> COMPANY	
* Per Part 10 of the Findings from Rep. Plan No. 2 and Part 11 of Rep. Plan No. 3		<input type="checkbox"/> DISTRICT	
** Assuming 0.25 AF/year/res. lot and 2.46 AF/acre/year for commercial irrigation		NAME:	
*** Per Part 2.c. Rep. Plan No. 2, Appendix C of Report (assuming 4 horses/SFE)		LETTER OF COMMITMENT FOR	
		SERVICE <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
11. ENGINEER'S WATER SUPPLY REPORT <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If yes, please forward with this form. (This may be required before our review is completed)			
12. TYPE OF SEWAGE DISPOSAL SYSTEM			
<input checked="" type="checkbox"/> SEPTIC TANK/LEACH FIELD		<input type="checkbox"/> CENTRAL SYSTEM - DISTRICT NAME:	
<input type="checkbox"/> LAGOON		<input type="checkbox"/> VAULT - LOCATION SEWAGE HAULED TO:	
<input type="checkbox"/> ENGINEERED SYSTEM (Attach a copy of engineering design)		<input type="checkbox"/> OTHER:	

APPENDIX C – MARY JANE RANCH FIRE PROTECTION REPORT



MARY JANE RANCH
FIRE PROTECTION REPORT 2023

OWNER/APPLICANT:

Robert S. & Wendy K. Williams
16975 Falcon Highway,
Peyton, CO 80831

CONSULTANT:

Kimley-Horn and Associates
2 N. Nevada Avenue, Suite 900
Colorado Springs, Colorado 80903

Mary Jane Ranch is within the Ellicott Fire Protection District (EFPD). The proposed subdivision lies approximately 7 miles from Station No. 3 at 25850 M.

Ellicott Fire Protection District (EFPD), founded in 1984, covers an estimated 276 square miles in El Paso County including the towns and areas of Mayberry Communities, Amerald Acres, Antelope Acres, Antelope Park Ranchettes, Black Squirrel Creek, Calhan, Eaglecrest, Langness Wilderness, Grand View, Range View, Silver Bonnett, Viewpoint & Western Horizons. The district is mostly a residential community with some small business and light commercial.

The EFPD is a local district supported by property taxes. It operates through an elected board which in turn contracts with the Volunteer Department for the operation and maintenance of the District and its equipment. The EFPD maintains 11 vehicles including 3 ambulance and has present membership of 34 active volunteers and 2 full time fire fighters.

The department responds to about 774 calls a year in the Ellicott area. And also provides Advanced Life Support transport of the sick and injured to area hospitals. Response time is currently unstudied. The department operates from four stations.

- Fire Station 1 is located at 23650 State Hwy. 94.
- Fire Station 2 is located at 75 N. Ellicott Hwy.
- Fire Station 3 (Sub-Station) is located at 25850 Mid Jones Rd. at Baggett Rd.

Service is available at an ISO (Insurance Safety Office) level 9 service rating. The low rating is a result of lack of fire hydrants and distance from the fire station to the potential emergency. Any building within 1,000 ft of a fire hydrant will receive ISO class 6 protection. In the case of this development, the subject property is within one mile of the fire station and the development will provide a central water system with fire hydrants at five hundred feet spacing. The central water system is anticipated to raise the ISO rating of the development. The applicant plans to work with the local fire district on future facility needs as the project develops.

FACILITIES

Station 1: 23650 State Hwy. 94

Equipment at Station 1 includes:

- Engine 3310 (Freightliner FL80 / American LaFrance / Becker)
- Engine 3311 (American LaFrance)
- Ambulance 3381 (Advanced Life Support)
- Brush 3341 (Brush truck)
- Tender 3363 (Tactical Tender)
- Tender 3364 (Tactical Tender)
- Tender 3366 (Tactical Tender)
- Chiefs' vehicle

Station 2: 75 N. Ellicott Hwy.

Equipment at Station 2 includes:

- Engine 3312 (Ford/E-one)
- Engine 3313 (GMC Brigadier / Fire Cat)
- Rescue 3382 (Chevy / Wheeled Coach)
- Brush 3342 (Brush Truck)
- Tender 3368 (Tactical Tender)

Station 3: 25850 Mid Jones Rd. at Baggett Rd. (Sub-Station).

Equipment at Station 3 includes:

- Engine 3320 (International)
- Tanker 3361 (Ford F-series)

Station 4: 3525 Private Rd. 112 (Sub-Station).

Equipment at Station 4 includes:

- Engine 3355 (Ford F-Series 4x4)
- Tender 3344 (Tactical Tender)

APPENDIX D –WATER RIGHTS INFORMATION

**COLORADO GROUND WATER COMMISSION
FINDINGS AND ORDER**

IN THE MATTER OF AN APPLICATION FOR A DETERMINATION OF A RIGHT TO AN ALLOCATION OF GROUNDWATER IN THE UPPER BLACK SQUIRREL CREEK DESIGNATED GROUNDWATER BASIN

DETERMINATION NO.: 4473-BD

AQUIFER: Arapahoe

APPLICANT: Mountains Reign Ranch Trust

In compliance with section 37-90-107(7), C.R.S., and the Designated Basin Rules, 2 CCR 410-1, Mountains Reign Ranch Trust (Applicant) submitted an application to the Colorado Ground Water Commission (Commission) for a determination of a right to an allocation of designated groundwater from the Arapahoe Aquifer.

FINDINGS

1. The application was received by the Commission on August 2, 2022.
2. The Applicant requests a determination of right to an allocation of designated groundwater (Determination) in the Arapahoe aquifer (Aquifer) underlying 40 acres, described as the NW 1/4 of the NW 1/4 of Section 15, Township 13 South, Range 63 West of the 6th P.M., in El Paso County (Overlying Land). According to a Nontributary Groundwater Landownership Statement dated July 31, 2022, attached hereto as Exhibit A, the Applicant owns the 40 acres of land, which are further described in said Ownership Statement, and claims control of the right to the groundwater in the Aquifer underlying the land.
3. The Overlying Land is located within the boundaries of the Upper Black Squirrel Creek Designated Groundwater Basin and within the Upper Black Squirrel Creek Ground Water Management District. The Commission has jurisdiction over the designated groundwater that is the subject of this Determination.
4. The Commission's Staff has evaluated the application relying on the claims to control of the groundwater in the Aquifer underlying the Overlying Land made by the Applicant.
5. The Applicant intends to apply the groundwater in the Aquifer underlying the Overlying Land to the following beneficial uses: domestic in-house; irrigation of lawn, garden, and greenhouse; domestic animal and stock watering; commercial; firefighting; and replacement; either directly or after temporary storage in a cistern. The Applicant's proposed place of use of the groundwater in the Aquifer underlying the Overlying Land is the above described 40 acres of Overlying Land.
6. Pursuant to section 37-90-107(7)(a), and in accordance with the Designated Basin Rules, the Commission shall allocate the groundwater in the Aquifer underlying the Overlying Land on the basis of the ownership of the Overlying Land.
7. The amount of water in storage in the Aquifer underlying the 40 acres of Overlying Land claimed by the Applicant is 1,530 acre-feet. This determination was based on the following as specified in the Designated Basin Rules.
 - a. The average specific yield of those saturated aquifer materials containing sufficient water that can be drained by gravity and placed to beneficial use is 17 percent.

- b. The average thickness of those saturated aquifer materials containing sufficient water that can be drained by gravity and placed to beneficial use is 225 feet.
8. A review of the records in the Office of the State Engineer has disclosed that none of the groundwater in the Aquifer underlying the Overlying Land has been either previously determined to be allocated by the Commission, has been permitted for withdrawal by large capacity wells that have rights that were initiated prior to November 19, 1973 that are subject to section 37-90-107(7)(b), or has been permitted for withdrawal by existing small capacity wells withdrawing water under permits issued pursuant to section 37-90-105, C.R.S. The amount of designated groundwater in the Aquifer underlying the Overlying Land that is available for allocation in this Determination is 1,530 acre-feet.
9. Pursuant to section 37-90-107(7)(c)(III), an approved determination of a right to an allocation shall be considered a final determination of the amount of groundwater so determined; except that the Commission shall retain jurisdiction for subsequent adjustment of such amount to conform to the actual local aquifer characteristics from adequate information obtained from well drilling or test holes.
10. Pursuant to section 37-90-107(7)(d), the Commission has authority to issue well permits pursuant to subsection 107(7) (i.e. permits for large capacity wells) for the withdrawal of designated groundwater from the Aquifer. Pursuant to section 37-90-107(7)(a) the Commission shall adopt the necessary rules to carry out the provisions of subsection (7). Pursuant to section 37-90-111(h), C.R.S., the Commission is empowered to adopt rules necessary to carry out the provisions of Article 90 of Title 37. In accordance with that authority, the Commission has adopted the Rules and Regulations for the Management and Control of Designated Ground Water (2 CCR 410-1) ("Designated Basin Rules", or "Rules").
11. Large capacity well permits issued pursuant to section 37-90-107(7) are subject to the following provisions of statute and the Designated Basin Rules.
 - a. Pursuant to section 37-90-107(7)(a) well permits issued pursuant to subsection 107(7) shall allow withdrawals on the basis of an aquifer life of one hundred years. The 1,530 acre-feet of water in the Aquifer underlying the Overlying Land available for allocation in this Determination, if permitted for withdrawal by large capacity wells on the basis of an aquifer life of one hundred years, would result in an allowed average annual amount of withdrawal of 15.3 acre-feet per year.
 - b. Any amounts of groundwater in the Aquifer allocated in this Determination that are permitted for withdrawal pursuant to section 37-90-105, by small capacity well permits issued after the issuance of this Determination reduce the amount of water, and the allowed average annual amount of withdrawal, that may be withdrawn by wells permitted pursuant to section 37-90-107(7).
 - c. In accordance with Rule 5.3.6 of the Designated Basin Rules, it has been determined that withdrawal of groundwater from the Aquifer underlying the Overlying Land will, within one hundred years, deplete the flow of a natural stream or an alluvial aquifer at an annual rate greater than one-tenth of one percent of the annual rate of withdrawal and, therefore, the groundwater in the Aquifer underlying the Overlying Land is considered to be not-nontributary groundwater as defined in Rule 4.2.23 of the Designated Basin Rules. Also, the location of the land claimed by the Applicant is farther than one mile from the

Aquifer contact with the alluvium. Pursuant to the Rules, at least four percent (4%) of the amount of the underlying water withdrawn annually must be returned to the alluvial aquifer in the vicinity of the permitted point or points of withdrawal, unless other locations are approved by the Commission. Pursuant to the Rules the Applicant may at any time be required to identify the proposed, or actual, location of the delivery of the replacement water and how the required four percent (4%) of water diverted will be, or is being, delivered into the alluvial aquifer.

12. Pursuant to section 37-90-105(1), the State Engineer has the authority to approve small capacity well permits. While water withdrawn from the Aquifer from beneath the Overlying Land by small capacity wells may consist of the groundwater allocated herein, the Commission recognizes that in approving small capacity permits the State Engineer is not bound by the terms and conditions of this Determination, and may approve small capacity permits based on standards and with such conditions as the State Engineer considers appropriate.
13. The ability of wells permitted to withdraw the authorized amount of water from this nonrenewable Aquifer may be less than the one hundred years upon which the amount of water in the Aquifer is allocated, due to anticipated water level declines.
14. On September 2, 2022, in accordance with Rule 9.1 of the Designated Basin Rules, written recommendations concerning this application were requested from the Upper Black Squirrel Creek Ground Water Management District. Written recommendations from the District were received on September 21, 2022.
15. In accordance with sections 37-90-107(7)(c)(II) and 37-90-112, C.R.S., the application was published in the Ranchland News newspaper on September 15, 2022 and September 22, 2022.
 - a. Objections to the application were submitted by Upper Black Squirrel Creek Ground Water Management District on September 22, 2022.
 - b. The application and objections were forwarded to the Hearing Officer and assigned case no. 22-GW-22.
 - c. The Hearing Officer entered an order dated January 23, 2023 dismissing the case and remanding the application to Staff for administrative processing.

ORDER

In accordance with section 37-90-107(7) and the Designated Basin Rules, the Commission hereby determines a right to an allocation of designated groundwater in the Arapahoe Aquifer underlying 40 acres of land, described as the NW 1/4 of the NW 1/4 of Section 15, Township 13 South, Range 63 West of the 6th P.M., further described in Exhibit A, subject to the following conditions.

16. The amount (i.e. volume) of water in the Aquifer underlying the 40 acres of Overlying Land allocated herein is 1,530 acre-feet (Underlying Groundwater).
17. The amount (i.e. volume) of Underlying Groundwater allocated herein shall be considered final, except that the Commission shall retain jurisdiction for subsequent adjustment of such amount to conform to the actual local aquifer characteristics from adequate information

obtained from well drilling or test holes, if such information indicates that the initial estimate of the amount of Underlying Groundwater in the Aquifer was incorrect.

18. Approval of this Determination meets the requirements of section 37-90-107(7)(d)(II), that requires a determination of groundwater to be withdrawn by a well be made prior to the granting of a well permit pursuant to section 37-90-107(7).
19. Well permits issued pursuant to section 37-90-107(7), (i.e. large capacity wells) and this Determination are subject to the following conditions.
 - a. The total amount of Underlying Groundwater that may be withdrawn from the Aquifer by all large capacity wells permitted pursuant to this Determination may not exceed a volume of 1,530 acre-feet, less any amount of the Underlying Groundwater allocated herein permitted to be withdrawn by small capacity wells issued permits pursuant to section 37-90-105 after the issuance of this Determination. The amounts of water permitted to be withdrawn by such small capacity wells shall be considered to be one-hundred times the annual withdrawals permitted to be withdrawn by those wells.
 - b. The allowed average annual amount of withdrawal by any large capacity well (or well field) permitted to withdraw the allocated water shall be equal to the volume of water permitted to be withdrawn by that well (or well field) divided by one-hundred years.
 - c. The allowed maximum annual amount of withdrawal by any large capacity well (or well field) permitted to withdraw the allocated water may exceed the allowed average annual amount of withdrawal allowed by the well permit(s) as long as the total volume of water withdrawn by such well(s) does not exceed the product of the number of years since the date(s) of issuance of the well permit(s) times the allowed average annual amount of withdrawal allowed by the well permit(s).
 - d. The Applicant may pump the allowed average annual amount of withdrawal and the allowed maximum annual amount of withdrawal from one or more wells of a well field in any combination, so long as the total combined withdrawal of the wells does not exceed the amounts described in this Order.
 - e. At least four percent (4%) of the amount of Underlying Groundwater withdrawn annually must be returned to the alluvial aquifer in the vicinity of the permitted point or points of withdrawal, unless other locations are approved by the Commission. The Applicant may at any time be required to identify the proposed, or actual, location of the delivery of the replacement water and how the required four percent (4%) of water diverted will be, or is being, delivered into the alluvial aquifer.
 - f. The use of the Underlying Groundwater shall be limited to the following beneficial uses: domestic in-house; irrigation of lawn, garden, and greenhouse; domestic animal and stock watering; commercial; firefighting; and replacement; either directly or after temporary storage in a cistern. The place of use of the Underlying Groundwater shall be limited to the above described 40 acres of Overlying Land. The Underlying Groundwater that is the subject of this Determination may be reused and successively used to extinction to the extent dominion and control over the water is maintained and its volume can be distinguished from the volume of any stream system into which it is introduced to the satisfaction of the Commission. The Underlying Groundwater is located within the Upper

Aquifer: Arapahoe

Applicant: Mountains Reign Ranch Trust

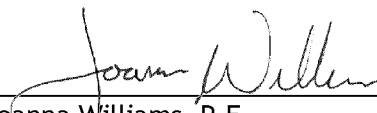
Black Squirrel Creek Ground Water Management District where local District rules apply which may further limit the withdrawal and use of the subject designated groundwater.

- g. The wells must be located on the above described 40 acres of Overlying Land.
 - h. No well shall be located within 600 feet of any existing large-capacity well in the same Aquifer unless a Waiver of Claim of Injury is obtained from the owner of the existing well or unless the Commission, after a hearing, finds that circumstances in a particular instance warrant that a well may be permitted without regard to this limitation.
 - i. The wells must be constructed to withdraw water from only the Arapahoe Aquifer.
 - j. The entire depth of each well must be geophysically logged prior to installing the casing in the same manner as set forth in Rule 9 of the Statewide Nontributary Ground Water Rules, 2 CCR 402-7.
 - k. A totalizing flow meter or other Commission approved measuring device shall be installed on each well and maintained in good working order by the well owner. Annual diversion records shall be collected and permanently maintained by the well owner and submitted to the Commission and the Upper Black Squirrel Creek Ground Water Management District upon request.
 - l. The well shall be marked in a conspicuous place with this determination number, the well permit number, and the name of the Aquifer. The well owner shall take necessary means and precautions to preserve these markings.
20. A copy of this Determination shall be recorded by the Applicant in the public records of the county in which the Overlying Land is located so that a title examination of the above described 40 acres of Overlying Land area, or any part thereof, shall reveal the existence of this Determination.
21. The right to an allocation of designated groundwater determined herein is a vested property right with specific ownership. Some or all of the water right may be transferred independent of the land under which the right originated. Any action taken that is intended to convey, transfer, and/or sell the subject water right shall explicitly identify this Determination number, the specific Aquifer, and the total amount (i.e. volume) of the right that is being conveyed.

Dated this 25th day of January, 2023.



Kevin G. Rein, P.E.
Executive Director
Colorado Ground Water Commission

By: 
Joanna Williams, P.E.
Chief of Water Supply, Designated Basins

Form no. **DIVISION OF WATER RESOURCES**
GWS-1 **DEPARTMENT OF NATURAL RESOURCES**
(1/2020) **1313 Sherman St, Room 821, Denver, CO 80203**
(303) 866-3581, www.colorado.gov/water, dwrpermitsonline@state.co.us

NONTRIBUTARY GROUNDWATER LANDOWNERSHIP STATEMENT

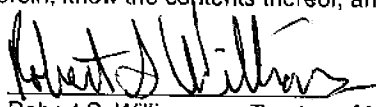
RCVD DWR
08/02/2022

This form is to be submitted with applications for the following, when the applicant is the owner of the overlying land.

1) A well permit to withdraw groundwater from the Dawson, Denver, Arapahoe or Laramie-Fox Hills aquifers, or other aquifer the applicant claims contains nontributary groundwater, outside of a Designated Groundwater Basin subject to section 37-90-137(4), C.R.S., except when the right to withdraw the groundwater has been determined by a valid decree; OR

2) A determination of water right in the Dawson, Denver, Arapahoe or Laramie-Fox Hills aquifers, or a well permit to withdraw groundwater from those aquifers that are subject to Designated Basin Rule 5.4, within a Designated Groundwater Basin.

NOTE: Form submittal instructions can be found on our website Colorado.gov/water. See instructions on the reverse of this form. Type or print in black or blue ink.

1. APPLICANT INFORMATION			
Name of Applicant Mountains Reign Ranch Trust			
Mailing Address 16975 Falcon Hwy	City Peyton	State CO	Zip Code 80831
Telephone Number (include area code) 406-438-1874		Email stuing@protonmail.com; stm@cowaterlaw.com	
2. AQUIFER Arapahoe			
3. CLAIM OF OWNERSHIP – I hereby claim that I am the owner of the following described property, as evidenced by the attached copy of a deed recorded in the county in which the property is located. Number of acres: 40 in the county of: El Paso described as follows (insert legal description). The NW 1/4 NW 1/4 of Section 15, Township 13 South, Range 63 West of the 6th P.M. - I further claim that the right to withdraw the groundwater in the aquifer underlying the above described property has not been reserved by another, nor has consent been given to another for the right to its withdrawal.			
4. THE APPLICANT MUST PROVIDE – a Verification of Notice of Application (form no. GWS-43) (see instructions for exceptions). Please see attached.			
5. SIGNATURE – Sign or enter name(s) of applicant(s) or authorized agent. The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104(13)(a). I have read the statements herein, know the contents thereof, and state that they are true to my knowledge. Signature:  Robert S. Williams, as Trustee of Mountains Reign Ranch Trust Date: 31 July, 2022 Print name and title:			

**COLORADO GROUND WATER COMMISSION
FINDINGS AND ORDER**

IN THE MATTER OF AN APPLICATION FOR A DETERMINATION OF A RIGHT TO AN ALLOCATION OF
GROUNDWATER IN THE UPPER BLACK SQUIRREL CREEK DESIGNATED GROUNDWATER BASIN

DETERMINATION NO.: 4474-BD

AQUIFER: Denver

APPLICANT: Mountains Reign Ranch Trust

In compliance with section 37-90-107(7), C.R.S., and the Designated Basin Rules, 2 CCR 410-1, Mountains Reign Ranch Trust (Applicant) submitted an application to the Colorado Ground Water Commission (Commission) for a determination of a right to an allocation of designated groundwater from the Denver Aquifer.

FINDINGS

1. The application was received by the Commission on August 2, 2022.
2. The Applicant requests a determination of right to an allocation of designated groundwater (Determination) in the Denver aquifer (Aquifer) underlying 40 acres, described as the NW 1/4 of the NW 1/4 of Section 15, Township 13 South, Range 63 West of the 6th P.M., in El Paso County (Overlying Land). According to a Nontributary Groundwater Landownership Statement dated July 31, 2022, attached hereto as Exhibit A, the Applicant owns the 40 acres of land, which are further described in said Ownership Statement, and claims control of the right to the groundwater in the Aquifer underlying the land.
3. The Overlying Land is located within the boundaries of the Upper Black Squirrel Creek Designated Groundwater Basin and within the Upper Black Squirrel Creek Ground Water Management District. The Commission has jurisdiction over the designated groundwater that is the subject of this Determination.
4. The Commission's Staff has evaluated the application relying on the claims to control of the groundwater in the Aquifer underlying the Overlying Land made by the Applicant.
5. The Applicant intends to apply the groundwater in the Aquifer underlying the Overlying Land to the following beneficial uses: domestic in-house; irrigation of lawn, garden, and greenhouse; domestic animal and stock watering; commercial; firefighting; and replacement; either directly or after temporary storage in a cistern. The Applicant's proposed place of use of the groundwater in the Aquifer underlying the Overlying Land is the above described 40 acres of Overlying Land.
6. Pursuant to section 37-90-107(7)(a), and in accordance with the Designated Basin Rules, the Commission shall allocate the groundwater in the Aquifer underlying the Overlying Land on the basis of the ownership of the Overlying Land.
7. The amount of water in storage in the Aquifer underlying the 40 acres of Overlying Land claimed by the Applicant is 1,050 acre-feet. This determination was based on the following as specified in the Designated Basin Rules.
 - a. The average specific yield of those saturated aquifer materials containing sufficient water that can be drained by gravity and placed to beneficial use is 17 percent.

- b. The average thickness of those saturated aquifer materials containing sufficient water that can be drained by gravity and placed to beneficial use is 155 feet.
8. A review of the records in the Office of the State Engineer has disclosed that a well operating pursuant to section 37-90-105, C.R.S., (i.e. a small-capacity well), permit no. 228255, is located on the Overlying Land and is permitted to withdraw 1 acre-foot per year of groundwater from the Aquifer from and beneath the Overlying Land. The amount of water considered to be withdrawn from the aquifer by this well over a period equal to an aquifer life of one hundred years is 100 acre-feet. In applying Rule 5.3.2.5 of the Designated Basin Rules to computing the amount of water available for allocation in this Determination, the amount of groundwater in the Aquifer underlying the Overlying Land available for allocation in this Determination is reduced by 100 acre-feet to 950 acre-feet. Except for that well, review of the records in the Office of the State Engineer finds no other previous allocations or permitted withdrawals from the Aquifer underlying the Overlying Land.
9. Pursuant to section 37-90-107(7)(c)(III), an approved determination of a right to an allocation shall be considered a final determination of the amount of groundwater so determined; except that the Commission shall retain jurisdiction for subsequent adjustment of such amount to conform to the actual local aquifer characteristics from adequate information obtained from well drilling or test holes.
10. Pursuant to section 37-90-107(7)(d), the Commission has authority to issue well permits pursuant to subsection 107(7) (i.e. permits for large capacity wells) for the withdrawal of designated groundwater from the Aquifer. Pursuant to section 37-90-107(7)(a) the Commission shall adopt the necessary rules to carry out the provisions of subsection (7). Pursuant to section 37-90-111(h), C.R.S., the Commission is empowered to adopt rules necessary to carry out the provisions of Article 90 of Title 37. In accordance with that authority, the Commission has adopted the Rules and Regulations for the Management and Control of Designated Ground Water (2 CCR 410-1) ("Designated Basin Rules", or "Rules").
11. Large capacity well permits issued pursuant to section 37-90-107(7) are subject to the following provisions of statute and the Designated Basin Rules.
 - a. Pursuant to section 37-90-107(7)(a) well permits issued pursuant to subsection 107(7) shall allow withdrawals on the basis of an aquifer life of one hundred years. The 950 acre-feet of water in the Aquifer underlying the Overlying Land available for allocation in this Determination, if permitted for withdrawal by large capacity wells on the basis of an aquifer life of one hundred years, would result in an allowed average annual amount of withdrawal of 9.5 acre-feet per year.
 - b. Any amounts of groundwater in the Aquifer allocated in this Determination that are permitted for withdrawal pursuant to section 37-90-105, by small capacity well permits issued after the issuance of this Determination reduce the amount of water, and the allowed average annual amount of withdrawal, that may be withdrawn by wells permitted pursuant to section 37-90-107(7).
 - c. In accordance with Rule 5.3.6 of the Designated Basin Rules, it has been determined that withdrawal of groundwater from the Aquifer underlying the Overlying Land will, within one hundred years, deplete the flow of a natural stream or an alluvial aquifer at an annual rate greater than one-tenth of one percent of the annual rate of withdrawal and,

therefore, the groundwater in the Aquifer underlying the Overlying Land is considered to be not-nontributary groundwater as defined in Rule 4.2.23 of the Designated Basin Rules. Also, the location of the land claimed by the Applicant is closer than one mile from the Aquifer contact with the alluvium. Withdrawal of water from the Aquifer underlying the Overlying Land would impact the alluvial aquifer of the Upper Black Squirrel Creek Designated Groundwater Basin, which has been determined to be over-appropriated. Commission approval of a replacement plan pursuant to section 37-90-107.5, C.R.S. and Rule 5.6 of the Designated Basin Rules, that provides for the replacement of the actual depletion to the alluvial aquifer and is adequate to prevent any material injury to existing water rights of other appropriators, is required prior to approval of well permits for wells to be located on this land area to withdraw the groundwater in the Aquifer underlying the Overlying Land. Pursuant to the Rules the replacement plan shall provide for the depletion of the alluvial water for the first 100 years due to all previous pumping, and if pumping continues beyond 100 years shall replace actual impact until pumping ceases, assuming water table conditions in the Aquifer.

12. Pursuant to section 37-90-105(1), the State Engineer has the authority to approve small capacity well permits. While water withdrawn from the Aquifer from beneath the Overlying Land by small capacity wells may consist of the groundwater allocated herein, the Commission recognizes that in approving small capacity permits the State Engineer is not bound by the terms and conditions of this Determination, and may approve small capacity permits based on standards and with such conditions as the State Engineer considers appropriate.
13. The ability of wells permitted to withdraw the authorized amount of water from this nonrenewable Aquifer may be less than the one hundred years upon which the amount of water in the Aquifer is allocated, due to anticipated water level declines.
14. On September 2, 2022, in accordance with Rule 9.1 of the Designated Basin Rules, written recommendations concerning this application were requested from the Upper Black Squirrel Creek Ground Water Management District. Written recommendations from the District were received on September 21, 2022.
15. In accordance with sections 37-90-107(7)(c)(II) and 37-90-112, C.R.S., the application was published in the Ranchland News newspaper on September 15, 2022 and September 22, 2022.
 - a. Objections to the application were submitted by Upper Black Squirrel Creek Ground Water Management District on September 22, 2022.
 - b. The application and objections were forwarded to the Hearing Officer and assigned case no. 22-GW-22.
 - c. The Hearing Officer entered an order dated January 23, 2023 dismissing the case and remanding the application to Staff for administrative processing.

ORDER

In accordance with section 37-90-107(7) and the Designated Basin Rules, the Commission hereby determines a right to an allocation of designated groundwater in the Denver Aquifer

underlying 40 acres of land, described as the NW 1/4 of the NW 1/4 of Section 15, Township 13 South, Range 63 West of the 6th P.M., further described in Exhibit A, subject to the following conditions.

16. The amount (i.e. volume) of water in the Aquifer underlying the 40 acres of Overlying Land allocated herein is 950 acre-feet (Underlying Groundwater).
17. The amount (i.e. volume) of Underlying Groundwater allocated herein shall be considered final, except that the Commission shall retain jurisdiction for subsequent adjustment of such amount to conform to the actual local aquifer characteristics from adequate information obtained from well drilling or test holes, if such information indicates that the initial estimate of the amount of Underlying Groundwater in the Aquifer was incorrect.
18. Approval of this Determination meets the requirements of section 37-90-107(7)(d)(II), that requires a determination of groundwater to be withdrawn by a well be made prior to the granting of a well permit pursuant to section 37-90-107(7).
19. Well permits issued pursuant to section 37-90-107(7), (i.e. large capacity wells) and this Determination are subject to the following conditions.
 - a. The total amount of Underlying Groundwater that may be withdrawn from the Aquifer by all large capacity wells permitted pursuant to this Determination may not exceed a volume of 950 acre-feet, less any amount of the Underlying Groundwater allocated herein permitted to be withdrawn by small capacity wells issued permits pursuant to section 37-90-105 after the issuance of this Determination. The amounts of water permitted to be withdrawn by such small capacity wells shall be considered to be one-hundred times the annual withdrawals permitted to be withdrawn by those wells.
 - b. The allowed average annual amount of withdrawal by any large capacity well (or well field) permitted to withdraw the allocated water shall be equal to the volume of water permitted to be withdrawn by that well (or well field) divided by one-hundred years.
 - c. The allowed maximum annual amount of withdrawal by any large capacity well (or well field) permitted to withdraw the allocated water may exceed the allowed average annual amount of withdrawal allowed by the well permit(s) as long as the total volume of water withdrawn by such well(s) does not exceed the product of the number of years since the date(s) of issuance of the well permit(s) times the allowed average annual amount of withdrawal allowed by the well permit(s).
 - d. The Applicant may pump the allowed average annual amount of withdrawal and the allowed maximum annual amount of withdrawal from one or more wells of a well field in any combination, so long as the total combined withdrawal of the wells does not exceed the amounts described in this Order.
 - e. Commission approval of a replacement plan, that provides for the replacement of the actual depletion to the alluvial aquifer and is adequate to prevent any material injury to existing water rights of other appropriators in the alluvial aquifer, is required prior to approval of well permits that allow the withdrawal of the Underlying Groundwater. The replacement plan shall provide for the depletion of the alluvial water for the first 100 years due to all previous pumping, and if pumping continues beyond 100 years shall replace actual impact until pumping ceases, assuming water table conditions in the Aquifer.

- f. The use of the Underlying Groundwater shall be limited to the following beneficial uses: domestic in-house; irrigation of lawn, garden, and greenhouse; domestic animal and stock watering; commercial; firefighting; and replacement; either directly or after temporary storage in a cistern. The place of use of the Underlying Groundwater shall be limited to the above described 40 acres of Overlying Land. The Underlying Groundwater that is the subject of this Determination may be reused and successively used to extinction to the extent dominion and control over the water is maintained and its volume can be distinguished from the volume of any stream system into which it is introduced to the satisfaction of the Commission. The Underlying Groundwater is located within the Upper Black Squirrel Creek Ground Water Management District where local District rules apply which may further limit the withdrawal and use of the subject designated groundwater.
 - g. The wells must be located on the above described 40 acres of Overlying Land.
 - h. No well shall be located within 600 feet of any existing large-capacity well in the same Aquifer unless a Waiver of Claim of Injury is obtained from the owner of the existing well or unless the Commission, after a hearing, finds that circumstances in a particular instance warrant that a well may be permitted without regard to this limitation.
 - i. The wells must be constructed to withdraw water from only the Denver Aquifer.
 - j. The entire depth of each well must be geophysically logged prior to installing the casing in the same manner as set forth in Rule 9 of the Statewide Nontributary Ground Water Rules, 2 CCR 402-7.
 - k. A totalizing flow meter or other Commission approved measuring device shall be installed on each well and maintained in good working order by the well owner. Annual diversion records shall be collected and permanently maintained by the well owner and submitted to the Commission and the Upper Black Squirrel Creek Ground Water Management District upon request.
 - l. The well shall be marked in a conspicuous place with this determination number, the well permit number, and the name of the Aquifer. The well owner shall take necessary means and precautions to preserve these markings.
20. A copy of this Determination shall be recorded by the Applicant in the public records of the county in which the Overlying Land is located so that a title examination of the above described 40 acres of Overlying Land area, or any part thereof, shall reveal the existence of this Determination.
21. The right to an allocation of designated groundwater determined herein is a vested property right with specific ownership. Some or all of the water right may be transferred independent of the land under which the right originated. Any action taken that is intended to convey, transfer, and/or sell the subject water right shall explicitly identify this Determination number, the specific Aquifer, and the total amount (i.e. volume) of the right that is being conveyed.

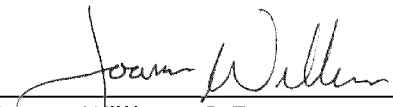
Determination No.: 4474-BD
Aquifer: Denver
Applicant: Mountains Reign Ranch Trust

Page 6

Dated this 25th day of January, 2023.



Kevin G. Rein, P.E.
Executive Director
Colorado Ground Water Commission

By: 
Joanna Williams, P.E.
Chief of Water Supply, Designated Basins

Prepared by: wad
F&O4474-BD.doc

Exhibit A

Determination no. 4474-BD

Page 1 of 1

Form no. **DIVISION OF WATER RESOURCES**

GWS-1 **DEPARTMENT OF NATURAL RESOURCES**

(1/2020) **1313 Sherman St, Room 821, Denver, CO 80203**

(303) 866-3581, www.colorado.gov/water, dwrpermitsonline@state.co.us

NONTRIBUTARY GROUNDWATER LANDOWNERSHIP STATEMENT

RCVD DWR

08/02/2022

This form is to be submitted with applications for the following, when the applicant is the owner of the overlying land.

1) A well permit to withdraw groundwater from the Dawson, Denver, Arapahoe or Laramie-Fox Hills aquifers, or other aquifer the applicant claims contains nontributary groundwater, outside of a Designated Groundwater Basin subject to section 37-90-137(4), C.R.S., except when the right to withdraw the groundwater has been determined by a valid decree; OR

2) A determination of water right in the Dawson, Denver, Arapahoe or Laramie-Fox Hills aquifers, or a well permit to withdraw groundwater from those aquifers that are subject to Designated Basin Rule 5.4, within a Designated Groundwater Basin.

NOTE: Form submittal instructions can be found on our website Colorado.gov/water. See instructions on the reverse of this form. Type or print in black or blue ink.

1. APPLICANT INFORMATION

Name of Applicant

Mountains Reign Ranch Trust

Mailing Address

16975 Falcon Hwy

City

Peyton

State

CO

Zip Code

80831

Telephone Number (include area code)

406-438-1874

Email

stuimg@protonmail.com; stm@cowaterlaw.com

2. AQUIFER

Denver

3. CLAIM OF OWNERSHIP – I hereby claim that I am the owner of the following described property, as evidenced by the attached copy of a deed recorded in the county in which the property is located.

Number of acres: 40

in the county of: El Paso

described as follows (insert legal description).

The NW 1/4 NW 1/4 of Section 15, Township 13 South, Range 63 West of the 6th P.M.

- I further claim that the right to withdraw the groundwater in the aquifer underlying the above described property has not been reserved by another, nor has consent been given to another for the right to its withdrawal.

4. THE APPLICANT MUST PROVIDE – a Verification of Notice of Application (form no. GWS-43) (see instructions for exceptions). Please see attached.

5. SIGNATURE – Sign or enter name(s) of applicant(s) or authorized agent. The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104(13)(a). I have read the statements herein, know the contents thereof, and state that they are true to my knowledge.

Signature:

Robert S. Williams

Date:

31 July, 2022

Robert S. Williams, as Trustee of Mountains Reign Ranch Trust

Print name and title:

**COLORADO GROUND WATER COMMISSION
FINDINGS AND ORDER**

IN THE MATTER OF AN APPLICATION FOR A DETERMINATION OF A RIGHT TO AN ALLOCATION OF
GROUNDWATER IN THE UPPER BLACK SQUIRREL CREEK DESIGNATED GROUNDWATER BASIN

DETERMINATION NO.: 4472-BD

AQUIFER: Laramie-Fox Hills

APPLICANT: Mountains Reign Ranch Trust

In compliance with section 37-90-107(7), C.R.S., and the Designated Basin Rules, 2 CCR 410-1, Mountains Reign Ranch Trust (Applicant) submitted an application to the Colorado Ground Water Commission (Commission) for a determination of a right to an allocation of designated groundwater from the Laramie-Fox Hills Aquifer.

FINDINGS

1. The application was received by the Commission on August 2, 2022.
2. The Applicant requests a determination of right to an allocation of designated groundwater (Determination) in the Laramie-Fox Hills aquifer (Aquifer) underlying 40 acres, described as the NW 1/4 of the NW 1/4 of Section 15, Township 13 South, Range 63 West of the 6th P.M., in El Paso County (Overlying Land). According to a Nontributary Groundwater Landownership Statement dated July 31, 2022, attached hereto as Exhibit A, the Applicant owns the 40 acres of land, which are further described in said Ownership Statement, and claims control of the right to the groundwater in the Aquifer underlying the land.
3. The Overlying Land is located within the boundaries of the Upper Black Squirrel Creek Designated Groundwater Basin and within the Upper Black Squirrel Creek Ground Water Management District. The Commission has jurisdiction over the designated groundwater that is the subject of this Determination.
4. The Commission's Staff has evaluated the application relying on the claims to control of the groundwater in the Aquifer underlying the Overlying Land made by the Applicant.
5. The Applicant intends to apply the groundwater in the Aquifer underlying the Overlying Land to the following beneficial uses: domestic in-house; irrigation of lawn, garden, and greenhouse; domestic animal and stock watering; commercial; firefighting; and replacement; either directly or after temporary storage in a cistern. The Applicant's proposed place of use of the groundwater in the Aquifer underlying the Overlying Land is the above described 40 acres of Overlying Land.
6. Pursuant to section 37-90-107(7)(a), and in accordance with the Designated Basin Rules, the Commission shall allocate the groundwater in the Aquifer underlying the Overlying Land on the basis of the ownership of the Overlying Land.
7. The amount of water in storage in the Aquifer underlying the 40 acres of Overlying Land claimed by the Applicant is 1,260 acre-feet. This determination was based on the following as specified in the Designated Basin Rules.
 - a. The average specific yield of those saturated aquifer materials containing sufficient water that can be drained by gravity and placed to beneficial use is 15 percent.

- b. The average thickness of those saturated aquifer materials containing sufficient water that can be drained by gravity and placed to beneficial use is 210 feet.
8. A review of the records in the Office of the State Engineer has disclosed that none of the groundwater in the Aquifer underlying the Overlying Land has been either previously determined to be allocated by the Commission, has been permitted for withdrawal by large capacity wells that have rights that were initiated prior to November 19, 1973 that are subject to section 37-90-107(7)(b), or has been permitted for withdrawal by existing small capacity wells withdrawing water under permits issued pursuant to section 37-90-105, C.R.S. The amount of designated groundwater in the Aquifer underlying the Overlying Land that is available for allocation in this Determination is 1,260 acre-feet.
9. Pursuant to section 37-90-107(7)(c)(III), an approved determination of a right to an allocation shall be considered a final determination of the amount of groundwater so determined; except that the Commission shall retain jurisdiction for subsequent adjustment of such amount to conform to the actual local aquifer characteristics from adequate information obtained from well drilling or test holes.
10. Pursuant to section 37-90-107(7)(d), the Commission has authority to issue well permits pursuant to subsection 107(7) (i.e. permits for large capacity wells) for the withdrawal of designated groundwater from the Aquifer. Pursuant to section 37-90-107(7)(a) the Commission shall adopt the necessary rules to carry out the provisions of subsection (7). Pursuant to section 37-90-111(h), C.R.S., the Commission is empowered to adopt rules necessary to carry out the provisions of Article 90 of Title 37. In accordance with that authority, the Commission has adopted the Rules and Regulations for the Management and Control of Designated Ground Water (2 CCR 410-1) ("Designated Basin Rules", or "Rules").
11. Large capacity well permits issued pursuant to section 37-90-107(7) are subject to the following provisions of statute and the Designated Basin Rules.
- a. Pursuant to section 37-90-107(7)(a) well permits issued pursuant to subsection 107(7) shall allow withdrawals on the basis of an aquifer life of one hundred years. The 1,260 acre-feet of water in the Aquifer underlying the Overlying Land available for allocation in this Determination, if permitted for withdrawal by large capacity wells on the basis of an aquifer life of one hundred years, would result in an allowed average annual amount of withdrawal of 12.6 acre-feet per year.
 - b. Any amounts of groundwater in the Aquifer allocated in this Determination that are permitted for withdrawal pursuant to section 37-90-105, by small capacity well permits issued after the issuance of this Determination reduce the amount of water, and the allowed average annual amount of withdrawal, that may be withdrawn by wells permitted pursuant to section 37-90-107(7).
 - c. In accordance with Rule 5.3.6 of the Designated Basin Rules, it has been determined that withdrawal of groundwater from the Aquifer underlying the Overlying Land will not, within one hundred years, deplete the flow of a natural stream or its alluvial aquifer at an annual rate greater than one-tenth of one percent of the annual rate of withdrawal and, therefore, the groundwater in the Aquifer underlying the Overlying Land is nontributary groundwater as defined in Rule 4.2.22 of the Designated Basin Rules.

Pursuant to the Rules, no more than 98% of the amount of the groundwater in the Aquifer underlying the Overlying Land withdrawn annually shall be consumed.

12. Pursuant to section 37-90-105(1), the State Engineer has the authority to approve small capacity well permits. While water withdrawn from the Aquifer from beneath the Overlying Land by small capacity wells may consist of the groundwater allocated herein, the Commission recognizes that in approving small capacity permits the State Engineer is not bound by the terms and conditions of this Determination, and may approve small capacity permits based on standards and with such conditions as the State Engineer considers appropriate.
13. The ability of wells permitted to withdraw the authorized amount of water from this nonrenewable Aquifer may be less than the one hundred years upon which the amount of water in the Aquifer is allocated, due to anticipated water level declines.
14. On September 2, 2022, in accordance with Rule 9.1 of the Designated Basin Rules, written recommendations concerning this application were requested from the Upper Black Squirrel Creek Ground Water Management District. Written recommendations from the District were received on September 21, 2022.
15. In accordance with sections 37-90-107(7)(c)(II) and 37-90-112, C.R.S., the application was published in the Ranchland News newspaper on September 15, 2022 and September 22, 2022.
 - a. Objections to the application were submitted by Upper Black Squirrel Creek Ground Water Management District on September 22, 2022.
 - b. The application and objections were forwarded to the Hearing Officer and assigned case no. 22-GW-22.
 - c. The Hearing Officer entered an order dated January 23, 2023 dismissing the case and remanding the application to Staff for administrative processing.

ORDER

In accordance with section 37-90-107(7) and the Designated Basin Rules, the Commission hereby determines a right to an allocation of designated groundwater in the Laramie-Fox Hills Aquifer underlying 40 acres of land, described as the NW 1/4 of the NW 1/4 of Section 15, Township 13 South, Range 63 West of the 6th P.M., further described in Exhibit A, subject to the following conditions.

16. The amount (i.e. volume) of water in the Aquifer underlying the 40 acres of Overlying Land allocated herein is 1,260 acre-feet (Underlying Groundwater).
17. The amount (i.e. volume) of Underlying Groundwater allocated herein shall be considered final, except that the Commission shall retain jurisdiction for subsequent adjustment of such amount to conform to the actual local aquifer characteristics from adequate information obtained from well drilling or test holes, if such information indicates that the initial estimate of the amount of Underlying Groundwater in the Aquifer was incorrect.

18. Approval of this Determination meets the requirements of section 37-90-107(7)(d)(II), that requires a determination of groundwater to be withdrawn by a well be made prior to the granting of a well permit pursuant to section 37-90-107(7).
19. Well permits issued pursuant to section 37-90-107(7), (i.e. large capacity wells) and this Determination are subject to the following conditions.
 - a. The total amount of Underlying Groundwater that may be withdrawn from the Aquifer by all large capacity wells permitted pursuant to this Determination may not exceed a volume of 1,260 acre-feet, less any amount of the Underlying Groundwater allocated herein permitted to be withdrawn by small capacity wells issued permits pursuant to section 37-90-105 after the issuance of this Determination. The amounts of water permitted to be withdrawn by such small capacity wells shall be considered to be one-hundred times the annual withdrawals permitted to be withdrawn by those wells.
 - b. The allowed average annual amount of withdrawal by any large capacity well (or well field) permitted to withdraw the allocated water shall be equal to the volume of water permitted to be withdrawn by that well (or well field) divided by one-hundred years.
 - c. The allowed maximum annual amount of withdrawal by any large capacity well (or well field) permitted to withdraw the allocated water may exceed the allowed average annual amount of withdrawal allowed by the well permit(s) as long as the total volume of water withdrawn by such well(s) does not exceed the product of the number of years since the date(s) of issuance of the well permit(s) times the allowed average annual amount of withdrawal allowed by the well permit(s).
 - d. The Applicant may pump the allowed average annual amount of withdrawal and the allowed maximum annual amount of withdrawal from one or more wells of a well field in any combination, so long as the total combined withdrawal of the wells does not exceed the amounts described in this Order.
 - e. No more than 98% of the amount of Underlying Groundwater withdrawn annually shall be consumed. The Commission may require well owners to demonstrate periodically that no more than 98% of the Underlying Groundwater withdrawn annually is being consumed.
 - f. The use of the Underlying Groundwater shall be limited to the following beneficial uses: domestic in-house; irrigation of lawn, garden, and greenhouse; domestic animal and stock watering; commercial; firefighting; and replacement; either directly or after temporary storage in a cistern. The place of use of the Underlying Groundwater shall be limited to the above described 40 acres of Overlying Land. The Underlying Groundwater that is the subject of this Determination may be reused and successively used to extinction to the extent dominion and control over the water is maintained and its volume can be distinguished from the volume of any stream system into which it is introduced to the satisfaction of the Commission. The Underlying Groundwater is located within the Upper Black Squirrel Creek Ground Water Management District where local District rules apply which may further limit the withdrawal and use of the subject designated groundwater.
 - g. The wells must be located on the above described 40 acres of Overlying Land.
 - h. No well shall be located within 600 feet of any existing large-capacity well in the same Aquifer unless a Waiver of Claim of Injury is obtained from the owner of the existing well

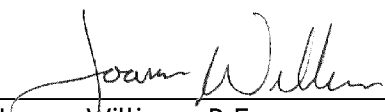
or unless the Commission, after a hearing, finds that circumstances in a particular instance warrant that a well may be permitted without regard to this limitation.

- i. The wells must be constructed to withdraw water from only the Laramie-Fox Hills Aquifer.
 - j. The entire depth of each well must be geophysically logged prior to installing the casing in the same manner as set forth in Rule 9 of the Statewide Nontributary Ground Water Rules, 2 CCR 402-7.
 - k. A totalizing flow meter or other Commission approved measuring device shall be installed on each well and maintained in good working order by the well owner. Annual diversion records shall be collected and permanently maintained by the well owner and submitted to the Commission and the Upper Black Squirrel Creek Ground Water Management District upon request.
 - l. The well shall be marked in a conspicuous place with this determination number, the well permit number, and the name of the Aquifer. The well owner shall take necessary means and precautions to preserve these markings.
20. A copy of this Determination shall be recorded by the Applicant in the public records of the county in which the Overlying Land is located so that a title examination of the above described 40 acres of Overlying Land area, or any part thereof, shall reveal the existence of this Determination.
21. The right to an allocation of designated groundwater determined herein is a vested property right with specific ownership. Some or all of the water right may be transferred independent of the land under which the right originated. Any action taken that is intended to convey, transfer, and/or sell the subject water right shall explicitly identify this Determination number, the specific Aquifer, and the total amount (i.e. volume) of the right that is being conveyed.

Dated this 25th day of January, 2023.



Kevin G. Rein, P.E.
Executive Director
Colorado Ground Water Commission

By: 
Joanna Williams, P.E.
Chief of Water Supply, Designated Basins

Form no. **DIVISION OF WATER RESOURCES**
GWS-1 **DEPARTMENT OF NATURAL RESOURCES**
(1/2020) **1313 Sherman St, Room 821, Denver, CO 80203**
(303) 866-3581, www.colorado.gov/water, dwrpermitsonline@state.co.us

RCVD DWR
08/02/2022

NONTRIBUTARY GROUNDWATER LANDOWNERSHIP STATEMENT

This form is to be submitted with applications for the following, when the applicant is the owner of the overlying land.

1) A well permit to withdraw groundwater from the Dawson, Denver, Arapahoe or Laramie-Fox Hills aquifers, or other aquifer the applicant claims contains nontributary groundwater, outside of a Designated Groundwater Basin subject to section 37-90-137(4), C.R.S., except when the right to withdraw the groundwater has been determined by a valid decree; OR

2) A determination of water right in the Dawson, Denver, Arapahoe or Laramie-Fox Hills aquifers, or a well permit to withdraw groundwater from those aquifers that are subject to Designated Basin Rule 5.4, within a Designated Groundwater Basin.

NOTE: Form submittal instructions can be found on our website Colorado.gov/water. See instructions on the reverse of this form.
Type or print in black or blue ink.

1. APPLICANT INFORMATION

Name of Applicant
Mountains Reign Ranch Trust

Mailing Address
16975 Falcon Hwy

City
Peyton

State
CO

Zip Code
80831

Telephone Number (include area code)
406-438-1874

Email
stuing@protonmail.com; stm@cowaterlaw.com

2. AQUIFER

Laramie-Fox Hills

3. CLAIM OF OWNERSHIP – I hereby claim that I am the owner of the following described property, as evidenced by the attached copy of a deed recorded in the county in which the property is located.

Number of acres: 40 in the county of: El Paso
described as follows (insert legal description).

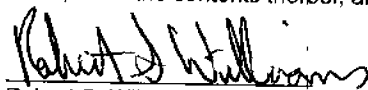
The NW 1/4 NW 1/4 of Section 15, Township 13 South, Range 63 West of the 6th P.M.

- I further claim that the right to withdraw the groundwater in the aquifer underlying the above described property has not been reserved by another, nor has consent been given to another for the right to its withdrawal.

4. THE APPLICANT MUST PROVIDE – a Verification of Notice of Application (form no. GWS-43) (see instructions for exceptions). Please see attached.

5. SIGNATURE – Sign or enter name(s) of applicant(s) or authorized agent. The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104(13)(a). I have read the statements herein, know the contents thereof, and state that they are true to my knowledge.

Signature:



Robert S. Williams, as Trustee of Mountains Reign Ranch Trust

Date: 31 July, 2022

Print name and title:

APPENDIX E –WATER QUALITY TEST RESULTS

El Paso County Public Health Laboratory EPA ID# CO00025
1675 West Garden of the Gods Road, Suite 2044, Colorado Springs, CO 80907 - (719) 578-3120

PWSID

Sample Point ID: RTOR

Sample Taken Date: 02/26/2024 Time: 1400

Address where sample was taken: 6425 JD Johnson Rd Peyton CO 80831

Sample site location: Faucet

Collector Name: Meagan Farrell Chlorine: mg/L

☐ Well ☐ City ☐ Recreational

☐ Surface/Spring ☐ Cistern ☐ Wastewater

Results to: Jim Houk

Phone: (719) 284-7280

Mailing address: 6425 J D JOHNSON RD

City/State/Zip: PEYTON, CO 80831-7301

Fax/Email: jim.houk@kimley-horn.com

Comments:

- ☐ Raw
- ☐ Finished
- ☐ LT2
- ☐ Quantitative

Date 02/26/2024 Time 1455 Rc'd 850

Date 02/26/2024 Time 1607 Tested 728

Date 02/27/2024 Time 1012 Comp 860

Lab Sample # 16165

Colilert Results Per 100ml

■ Absence: Absence of coliform bacteria

☐ Presence: Presence of coliform bacteria & non-compliance with drinking water standards.

MPN/100 ml:

■ Absence: E. Coli: Escherichia coli bacteria

☐ Presence: E. Coli: Escherichia coli bacteria

MPN/100 ml:



1675 W. Garden of the Gods Road Suite 2044
Colorado Springs, CO 80907 (719) 578-3120

REPORTING FORM FOR INORGANIC ANIONS IN WATER
EPA ID # CO00025

PWSID# -		RESULTS TO: Jim Houk			
SAMPLE INFORMATION: 6425 JD Johnson Road Peyton, CO 80831		PHONE: (719) 284-7280			
		FAX/EMAIL: jim.houk@kimley-horn.com			
		COLLECTED BY: Meaghan Farrell			
		SAMPLE COLLECTION DATE: 02/20/2024			
SITE DESCRIPTION: <input type="checkbox"/> Public System <input type="checkbox"/> Private <input type="checkbox"/> Surface <input type="checkbox"/> Stream <input type="checkbox"/> GWUDI <input type="checkbox"/> Other		SAMPLE COLLECTION TIME: 1521			
		MATRIX: Groundwater			
		RESIDUAL CHLORINE:			
CUSTOMER: Jim Houk 6425 J D JOHNSON RD PEYTON, CO 80831-7301		SAMPLE RECEIVED DATE: 02/21/2024			
		RECEIVED TIME: 1005 TECH: 850			
		RECEIVED TEMP: 9.4 °C			
		DILUTIONS: 1:1, 1:10			
COMMENTS: Mary Jane Ranch,					
TESTED		COMPLETED		TECH	
DATE: 02/21/2024		DATE: 02/21/2024			
TIME: 1108		TIME: 1654		ID: 850	
LAB SAMPLE #: 16078		SAMPLE POINT NAME:			
SAMPLE POINT ID: RTOR		FACILITY TYPE:			
FACILITY ID: DS001		FACILITY NAME:			

ANALYTE	RESULTS	MCL	MSL	STANDARD	LAB MRL
Nitrite	BDL mg/L	1.0		300.0	0.2
Nitrate	BDL mg/L	10.0		300.0	0.2

BDL - Below Detection Limit
MRL - Minimum Reporting Limit

MCL - Maximum Contamination Unit per EPA
MSL - Maximum Secondary Unit per EPA
Q - Quality Control Limit Exceeded

H - Holding Time Exceeded
NT - No Test

Analytical Results

TASK NO: 250128042

Report To: Larry Salazar

Company: Kimley-Horn Colorado Springs
2 N Nevada Ave
Suite 900
Colorado Springs CO 80903

Bill To: Larry Salazar

Company: Kimley-Horn Colorado Springs
2 N Nevada Ave
Suite 900
Colorado Springs CO 80903

Task No.: 250128042
Client PO: Paid w/ CC
Client Project: MJR

Date Received: 1/28/25
Date Reported: 2/21/25
Matrix: Water - Drinking

Customer Sample ID MJR

Sample Date/Time: 1/27/25 3:30 PM

Lab Number: 250128042-01

Test	Result	Method	RL	MCL	Date Analyzed	QC Batch ID	Analyzed By
Cyanide-Free	ND mg/L	ASTM D4282-15	0.005 mg/L		1/30/25	QC79242	KRB
Nitrate/ Nitrite Nitrogen	ND mg/L	Calculation	0.05 mg/L		1/31/25	-	NRP
Total Nitrogen	ND mg/L	Calculation	0.1 mg/L		2/4/25	-	TAB
Chloride	6.1 mg/L	EPA 300.0	0.1 mg/L	250	1/29/25	QC79273	NRP
Fluoride	0.38 mg/L	EPA 300.0	0.10 mg/L	4	1/29/25	QC79274	NRP
Nitrate Nitrogen	ND mg/L	EPA 300.0	0.05 mg/L	10	1/29/25	QC79275	NRP
Nitrite Nitrogen	ND mg/L	EPA 300.0	0.03 mg/L	1	1/29/25	QC79276	NRP
Sulfate	31.9 mg/L	EPA 300.0	0.1 mg/L	250	1/29/25	QC79278	NRP
Cyanide-Total	ND mg/L	EPA 335.4	0.005 mg/L		1/30/25	QC79244	KRB
Dibromochloropropane	ND ug/L	EPA 504.1	0.02 ug/L	0.2	1/30/25	QC79236	TRT
Ethylene dibromide	ND ug/L	EPA 504.1	0.01 ug/L	0.05	1/30/25	QC79236	TRT
Aldrin	ND ug/L	EPA 505	0.05 ug/L		2/6/25	QC79237	LLM
Chlordane	ND ug/L	EPA 505	0.2 ug/L	2	2/6/25	QC79237	LLM
Dieldrin	ND ug/L	EPA 505	0.05 ug/L		2/6/25	QC79237	LLM
Endrin	ND ug/L	EPA 505	0.01 ug/L	2	2/6/25	QC79237	LLM
Heptachlor epoxide	ND ug/L	EPA 505	0.02 ug/L	0.2	2/6/25	QC79237	LLM
Hexachlorobenzene	ND ug/L	EPA 505	0.1 ug/L	1	2/6/25	QC79237	LLM
Hexachlorocyclopentadiene	ND ug/L	EPA 505	0.1 ug/L	50	2/6/25	QC79237	LLM
Lindane	ND ug/L	EPA 505	0.02 ug/L	0.2	2/6/25	QC79237	LLM
Methoxychlor	ND ug/L	EPA 505	0.1 ug/L	40	2/6/25	QC79237	LLM
Polychlorinated biphenyl's	ND ug/L	EPA 505	0.1 ug/L	0.5	2/6/25	QC79237	LLM
Toxaphene	ND ug/L	EPA 505	1 ug/L	3	2/6/25	QC79237	LLM

Abbreviations/ References:

RL = Reporting Limit = Minimum Level
mg/L = Milligrams Per Liter or PPM
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Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

MCL = Maximum contaminant level per the EPA
ND = Not Detected at Reporting Limit.

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Lab Number: 250128042-01

Test	Result	Method	RL	MCL	Date Analyzed	QC Batch ID	Analyzed By
Alachlor	ND ug/L	EPA 525.2	0.2 ug/L	2	2/3/25	QC79294	AJP
Atrazine	ND ug/L	EPA 525.2	0.1 ug/L	3	2/3/25	QC79294	AJP
Benzo(a)pyrene	ND ug/L	EPA 525.2	0.02 ug/L	0.2	2/3/25	QC79294	AJP
Butachlor	ND ug/L	EPA 525.2	0.25 ug/L		2/3/25	QC79294	AJP
Di(2-ethylhexyl)adipate	ND ug/L	EPA 525.2	0.6 ug/L	400	2/3/25	QC79294	AJP
Di(2-ethylhexyl)phthalate	ND ug/L	EPA 525.2	0.6 ug/L	6	2/3/25	QC79294	AJP
Heptachlor	ND ug/L	EPA 525.2	0.04 ug/L	0.4	2/3/25	QC79294	AJP
Metolachlor	ND ug/L	EPA 525.2	0.25 ug/L		2/3/25	QC79294	AJP
Metribuzin	ND ug/L	EPA 525.2	0.25 ug/L		2/3/25	QC79294	AJP
Propachlor	ND ug/L	EPA 525.2	0.25 ug/L		2/3/25	QC79294	AJP
Simazine	ND ug/L	EPA 525.2	0.07 ug/L	4	2/3/25	QC79294	AJP
3-Hydroxycarbofuran	ND ug/L	EPA 531.1	0.5 ug/L		2/5/25	QC79359	LLM
Aldicarb	ND ug/L	EPA 531.1	0.6 ug/L		2/5/25	QC79359	LLM
Aldicarb sulfone	ND ug/L	EPA 531.1	1.0 ug/L		2/5/25	QC79359	LLM
Aldicarb sulfoxide	ND ug/L	EPA 531.1	0.7 ug/L		2/5/25	QC79359	LLM
Carbaryl	ND ug/L	EPA 531.1	0.5 ug/L		2/5/25	QC79359	LLM
Carbofuran	ND ug/L	EPA 531.1	0.9 ug/L	40	2/5/25	QC79359	LLM
Methomyl	ND ug/L	EPA 531.1	0.5 ug/L		2/5/25	QC79359	LLM
Oxamyl	ND ug/L	EPA 531.1	1.0 ug/L	200	2/5/25	QC79359	LLM
Glyphosate	ND ug/L	EPA 547	6.0 ug/L	700	2/4/25	-	OUTSIDE LAI
Diquat	ND ug/L	EPA 549.2	0.4 ug/L	20	2/4/25	QC79304	AJP
1,1,1,2-Tetrachloroethane	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF

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Matrix: Water - Drinking

Customer Sample ID MJR

Sample Date/Time: 1/27/25 3:30 PM

Lab Number: 250128042-01

Test	Result	Method	RL	MCL	Date Analyzed	QC Batch ID	Analyzed By
1,1,1-Trichloroethane	ND ug/L	EPA-524.2	0.5 ug/L	200	1/30/25	QC79240	SPF
1,1,2,2-Tetrachloroethane	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
1,1,2-Trichloroethane	ND ug/L	EPA-524.2	0.5 ug/L	5	1/30/25	QC79240	SPF
1,1-Dichloroethane	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
1,1-Dichloroethylene	ND ug/L	EPA-524.2	0.5 ug/L	7	1/30/25	QC79240	SPF
1,1-Dichloropropene	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
1,2,3-Trichlorobenzene	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
1,2,3-Trichloropropane	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
1,2,4-Trichlorobenzene	ND ug/L	EPA-524.2	0.5 ug/L	70	1/30/25	QC79240	SPF
1,2,4-Trimethylbenzene	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
1,2-Dichloroethane	ND ug/L	EPA-524.2	0.5 ug/L	5	1/30/25	QC79240	SPF
1,2-Dichloropropane	ND ug/L	EPA-524.2	0.5 ug/L	5	1/30/25	QC79240	SPF
1,3,5-Trimethylbenzene	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
1,3-Dichloropropane	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
1,3-Dichloropropene	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
Benzene	ND ug/L	EPA-524.2	0.5 ug/L	5	1/30/25	QC79240	SPF
Bromobenzene	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
Bromochloromethane	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
Bromodichloromethane	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
Bromoform	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
Bromomethane	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
Carbon Tetrachloride	ND ug/L	EPA-524.2	0.5 ug/L	5	1/30/25	QC79240	SPF
Chlorodibromomethane	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
Chloroethane	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF

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Analytical Results

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Task No.: 250128042
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Client Project: MJR

Date Received: 1/28/25
Date Reported: 2/21/25
Matrix: Water - Drinking

Customer Sample ID MJR

Sample Date/Time: 1/27/25 3:30 PM

Lab Number: 250128042-01

Test	Result	Method	RL	MCL	Date Analyzed	QC Batch ID	Analyzed By
Chloroform	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
Chloromethane	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
cis-1,2-Dichloroethylene	ND ug/L	EPA-524.2	0.5 ug/L	70	1/30/25	QC79240	SPF
Dibromomethane	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
Dichlorodifluoromethane	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
Dichloromethane	ND ug/L	EPA-524.2	0.5 ug/L	5	1/30/25	QC79240	SPF
Ethylbenzene	ND ug/L	EPA-524.2	0.5 ug/L	700	1/30/25	QC79240	SPF
Fluorotrichloromethane	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
Hexachlorobutadiene	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
Isopropylbenzene	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
m-Dichlorobenzene	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
Monochlorobenzene	ND ug/L	EPA-524.2	0.5 ug/L	100	1/30/25	QC79240	SPF
Naphthalene	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
n-Butylbenzene	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
n-Propylbenzene	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
o-Chlorotoluene	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
o-Dichlorobenzene	ND ug/L	EPA-524.2	0.5 ug/L	600	1/30/25	QC79240	SPF
Para-Dichlorobenzene	ND ug/L	EPA-524.2	0.5 ug/L	75	1/30/25	QC79240	SPF
p-Chlorotoluene	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
p-Isopropyltoluene	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
sec-Butylbenzene	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
Styrene	ND ug/L	EPA-524.2	0.5 ug/L	100	1/30/25	QC79240	SPF
tert-Butylbenzene	ND ug/L	EPA-524.2	0.5 ug/L		1/30/25	QC79240	SPF
Tetrachloroethylene	ND ug/L	EPA-524.2	0.5 ug/L	5	1/30/25	QC79240	SPF

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Lab Number: 250128042-01

Test	Result	Method	RL	MCL	Date Analyzed	QC Batch ID	Analyzed By
Toluene	ND ug/L	EPA-524.2	0.5 ug/L	1000	1/30/25	QC79240	SPF
Total Trihalomethanes	ND ug/L	EPA-524.2	0.5 ug/L	80	1/30/25	QC79240	SPF
trans-1,2-Dichloroethylene	ND ug/L	EPA-524.2	0.5 ug/L	100	1/30/25	QC79240	SPF
Trichloroethylene	ND ug/L	EPA-524.2	0.5 ug/L	5	1/30/25	QC79240	SPF
Vinyl chloride	ND ug/L	EPA-524.2	0.5 ug/L	2	1/30/25	QC79240	SPF
Xylenes (total)	ND ug/L	EPA-524.2	0.5 ug/L	10000	1/30/25	QC79240	SPF
Total Kjeldahl Nitrogen	ND mg/L	SM 4500-Norg-B	0.1 mg/L		1/31/25	QC79245	MBN
Total							
Iron	0.255 mg/L	EPA 200.7	0.005 mg/L	0.3	1/31/25	QC79268	JJA
Total							
Aluminum	0.007 mg/L	EPA 200.8	0.001 mg/L	0.05	1/30/25	QC79238	AMJ
Antimony	ND mg/L	EPA 200.8	0.0012 mg/L	0.006	1/30/25	QC79238	AMJ
Arsenic	ND mg/L	EPA 200.8	0.0006 mg/L	0.01	1/30/25	QC79238	AMJ
Barium	0.0008 mg/L	EPA 200.8	0.0007 mg/L	2	1/30/25	QC79238	AMJ
Beryllium	ND mg/L	EPA 200.8	0.0001 mg/L	0.004	1/30/25	QC79238	AMJ
Cadmium	ND mg/L	EPA 200.8	0.0001 mg/L	0.005	1/30/25	QC79238	AMJ
Chromium	ND mg/L	EPA 200.8	0.0015 mg/L	0.1	1/30/25	QC79238	AMJ
Manganese	0.0371 mg/L	EPA 200.8	0.0008 mg/L	0.05	1/30/25	QC79238	AMJ
Mercury	ND mg/L	EPA 200.8	0.0001 mg/L	0.002	1/30/25	QC79238	AMJ
Selenium	ND mg/L	EPA 200.8	0.0008 mg/L	0.05	1/30/25	QC79238	AMJ
Silver	ND mg/L	EPA 200.8	0.0005 mg/L	0.1	1/30/25	QC79238	AMJ
Thallium	ND mg/L	EPA 200.8	0.0002 mg/L	0.002	1/30/25	QC79238	AMJ
Zinc	0.039 mg/L	EPA 200.8	0.001 mg/L	5	1/30/25	QC79238	AMJ

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Analytical Results

TASK NO: 250128042

Report To: Larry Salazar

Company: Kimley-Horn Colorado Springs
2 N Nevada Ave
Suite 900
Colorado Springs CO 80903

Bill To: Larry Salazar

Company: Kimley-Horn Colorado Springs
2 N Nevada Ave
Suite 900
Colorado Springs CO 80903

Task No.: 250128042
Client PO: Paid w/ CC
Client Project: MJR

Date Received: 1/28/25
Date Reported: 2/21/25
Matrix: Water - Drinking

Customer Sample ID MJR

Sample Date/Time: 1/27/25 3:30 PM

Lab Number: 250128042-01

Test	Result	Method	RL	MCL	Date Analyzed	QC Batch ID	Analyzed By
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Method	Surrogate	PercentRecovery	Acceptance Limits
EPA-524.2	1-Chloro-2-Bromopropane	94.6	70 - 130
EPA-524.2	4-Bromofluorobenzene	100.6	70 - 130
EPA 525.2	1,3-dimethyl-2-nitrobenzene	103.6	70 - 130
EPA 525.2	Perylene-d12	88.0	70 - 130
EPA 525.2	Triphenylphosphate	109.8	70 - 130

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Analytical QC Summary

TASK NO: 250128042

Report To: Larry Salazar
Company: Kimley-Horn Colorado Springs

Receive Date: 1/28/25
Project Name: MJR

Test	QC Batch ID	QC Type	Result	Method	Prep Date
Dibromochloropropane	QC79236	Method Blank	ND	EPA 504.1	1/30/25
Ethylene dibromide	QC79236	Method Blank	ND	EPA 504.1	1/30/25
Aldrin	QC79237	Method Blank	ND	EPA 505	1/30/25
Chlordane	QC79237	Method Blank	ND	EPA 505	1/30/25
Dieldrin	QC79237	Method Blank	ND	EPA 505	1/30/25
Endrin	QC79237	Method Blank	ND	EPA 505	1/30/25
Heptachlor epoxide	QC79237	Method Blank	ND	EPA 505	1/30/25
Hexachlorobenzene	QC79237	Method Blank	ND	EPA 505	1/30/25
Hexachlorocyclopentadiene	QC79237	Method Blank	ND	EPA 505	1/30/25
Lindane	QC79237	Method Blank	ND	EPA 505	1/30/25
Methoxychlor	QC79237	Method Blank	ND	EPA 505	1/30/25
Polychlorinated biphenyl's	QC79237	Method Blank	ND	EPA 505	1/30/25
Toxaphene	QC79237	Method Blank	ND	EPA 505	1/30/25
1,1,1,2-Tetrachloroethane	QC79240	Method Blank	ND	EPA-524.2	1/30/25
1,1,1-Trichloroethane	QC79240	Method Blank	ND	EPA-524.2	1/30/25
1,1,2,2-Tetrachloroethane	QC79240	Method Blank	ND	EPA-524.2	1/30/25
1,1,2-Trichloroethane	QC79240	Method Blank	ND	EPA-524.2	1/30/25
1,1-Dichloroethane	QC79240	Method Blank	ND	EPA-524.2	1/30/25
1,1-Dichloroethylene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
1,1-Dichloropropene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
1,2,3-Trichlorobenzene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
1,2,3-Trichloropropane	QC79240	Method Blank	ND	EPA-524.2	1/30/25
1,2,4-Trichlorobenzene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
1,2,4-Trimethylbenzene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
1,2-Dichloroethane	QC79240	Method Blank	ND	EPA-524.2	1/30/25
1,2-Dichloropropane	QC79240	Method Blank	ND	EPA-524.2	1/30/25
1,3,5-Trimethylbenzene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
1,3-Dichloropropane	QC79240	Method Blank	ND	EPA-524.2	1/30/25
1,3-Dichloropropene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
Benzene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
Bromobenzene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
Bromochloromethane	QC79240	Method Blank	ND	EPA-524.2	1/30/25
Bromodichloromethane	QC79240	Method Blank	ND	EPA-524.2	1/30/25
Bromoform	QC79240	Method Blank	ND	EPA-524.2	1/30/25
Bromomethane	QC79240	Method Blank	ND	EPA-524.2	1/30/25
Carbon Tetrachloride	QC79240	Method Blank	ND	EPA-524.2	1/30/25
Chlorodibromomethane	QC79240	Method Blank	ND	EPA-524.2	1/30/25
Chloroethane	QC79240	Method Blank	ND	EPA-524.2	1/30/25
Chloroform	QC79240	Method Blank	ND	EPA-524.2	1/30/25
Chloromethane	QC79240	Method Blank	ND	EPA-524.2	1/30/25
cis-1,2-Dichloroethylene	QC79240	Method Blank	ND	EPA-524.2	1/30/25

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Dibromomethane	QC79240	Method Blank	ND	EPA-524.2	1/30/25
Dichlorodifluoromethane	QC79240	Method Blank	ND	EPA-524.2	1/30/25
Dichloromethane	QC79240	Method Blank	ND	EPA-524.2	1/30/25
Ethylbenzene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
Fluorotrichloromethane	QC79240	Method Blank	ND	EPA-524.2	1/30/25
Hexachlorobutadiene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
Isopropylbenzene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
m-Dichlorobenzene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
Monochlorobenzene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
Naphthalene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
n-Butylbenzene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
n-Propylbenzene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
o-Chlorotoluene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
o-Dichlorobenzene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
Para-Dichlorobenzene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
p-Chlorotoluene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
p-Isopropyltoluene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
sec-Butylbenzene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
Styrene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
tert-Butylbenzene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
Tetrachloroethylene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
Toluene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
Total Trihalomethanes	QC79240	Method Blank	ND	EPA-524.2	1/30/25
trans-1,2-Dichloroethylene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
Trichloroethylene	QC79240	Method Blank	ND	EPA-524.2	1/30/25
Vinyl chloride	QC79240	Method Blank	ND	EPA-524.2	1/30/25
Xylenes (total)	QC79240	Method Blank	ND	EPA-524.2	1/30/25
Alachlor	QC79294	Method Blank	ND	EPA 525.2	2/3/25
Atrazine	QC79294	Method Blank	ND	EPA 525.2	2/3/25
Benzo(a)pyrene	QC79294	Method Blank	ND	EPA 525.2	2/3/25
Butachlor	QC79294	Method Blank	ND	EPA 525.2	2/3/25
Di(2-ethylhexyl)adipate	QC79294	Method Blank	ND	EPA 525.2	2/3/25
Di(2-ethylhexyl)phthalate	QC79294	Method Blank	ND	EPA 525.2	2/3/25
Heptachlor	QC79294	Method Blank	ND	EPA 525.2	2/3/25
Metolachlor	QC79294	Method Blank	ND	EPA 525.2	2/3/25
Metribuzin	QC79294	Method Blank	ND	EPA 525.2	2/3/25
Propachlor	QC79294	Method Blank	ND	EPA 525.2	2/3/25
Simazine	QC79294	Method Blank	ND	EPA 525.2	2/3/25
3-Hydroxycarbofuran	QC79359	Method Blank	ND	EPA 531.1	2/5/25
Aldicarb	QC79359	Method Blank	ND	EPA 531.1	2/5/25
Aldicarb sulfone	QC79359	Method Blank	ND	EPA 531.1	2/5/25
Aldicarb sulfoxide	QC79359	Method Blank	ND	EPA 531.1	2/5/25
Carbaryl	QC79359	Method Blank	ND	EPA 531.1	2/5/25
Carbofuran	QC79359	Method Blank	ND	EPA 531.1	2/5/25
Methomyl	QC79359	Method Blank	ND	EPA 531.1	2/5/25
Oxamyl	QC79359	Method Blank	ND	EPA 531.1	2/5/25
Diquat	QC79304	Method Blank	ND	EPA 549.2	2/3/25
Chloride	QC79273	Blank	ND	EPA 300.0	1/29/25
Cyanide-Free	QC79242	Blank	ND	ASTM D4282-15	1/30/25
Cyanide-Total	QC79244	Blank	ND	EPA 335.4	1/30/25
Fluoride	QC79274	Blank	ND	EPA 300.0	1/29/25
Aluminum	QC79238	Method Blank	ND	EPA 200.8	1/28/25

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Antimony	QC79238	Method Blank	ND	EPA 200.8	1/28/25
Arsenic	QC79238	Method Blank	ND	EPA 200.8	1/28/25
Barium	QC79238	Method Blank	ND	EPA 200.8	1/28/25
Beryllium	QC79238	Method Blank	ND	EPA 200.8	1/28/25
Cadmium	QC79238	Method Blank	ND	EPA 200.8	1/28/25
Chromium	QC79238	Method Blank	ND	EPA 200.8	1/28/25
Manganese	QC79238	Method Blank	ND	EPA 200.8	1/28/25
Mercury	QC79238	Method Blank	ND	EPA 200.8	1/28/25
Selenium	QC79238	Method Blank	ND	EPA 200.8	1/28/25
Silver	QC79238	Method Blank	ND	EPA 200.8	1/28/25
Thallium	QC79238	Method Blank	ND	EPA 200.8	1/28/25
Zinc	QC79238	Method Blank	ND	EPA 200.8	1/28/25
Iron	QC79268	Method Blank	ND	EPA 200.7	1/28/25
Nitrate Nitrogen	QC79275	Blank	ND	EPA 300.0	1/29/25
Nitrite Nitrogen	QC79276	Blank	ND	EPA 300.0	1/29/25
Sulfate	QC79278	Blank	ND	EPA 300.0	1/29/25
Total Kjeldahl Nitrogen	QC79245	Blank	ND	SM 4500-Norg-B	1/30/25

Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
Dibromochloropropane	QC79236	LCS	70 - 130	92.0	-	EPA 504.1
		MS -250128042-01B	65 - 135	93.2	-	
Ethylene dibromide	QC79236	LCS	70 - 130	94.4	-	EPA 504.1
		MS -250128042-01B	65 - 135	96.0	-	
Aldrin	QC79237	LCS	70 - 130	115.2	-	EPA 505
		MS -250130040-01A	65 - 135	98.4	-	
Chlordane	QC79237	LCS	70 - 130	0.0	-	EPA 505
		EPA 505 multicomponent analytes include: Chlordane, Toxaphene, and PCB aroclors 1016, 1221, 1232, 1242, 1248, 1254, 1260. Batch QC includes one multicomponent; continually rotating analytes. Samples with apparent patterns are confirmed prior to reporting.				
		MS -250130040-01A	65 - 135	-	-	
Dieldrin	QC79237	LCS	70 - 130	113.2	-	EPA 505
		MS -250130040-01A	65 - 135	103.4	-	
Endrin	QC79237	LCS	70 - 130	93.4	-	EPA 505
		MS -250130040-01A	65 - 135	87.4	-	
Heptachlor epoxide	QC79237	LCS	70 - 130	110.8	-	EPA 505
		MS -250130040-01A	65 - 135	100.6	-	
Hexachlorobenzene	QC79237	LCS	70 - 130	108.2	-	EPA 505
		MS -250130040-01A	65 - 135	100.8	-	
Hexachlorocyclopentadiene	QC79237	LCS	70 - 130	106.0	-	EPA 505
		MS -250130040-01A	65 - 135	98.6	-	
Lindane	QC79237	LCS	70 - 130	109.4	-	EPA 505
		MS -250130040-01A	65 - 135	101.8	-	
Methoxychlor	QC79237	LCS	70 - 130	93.0	-	EPA 505
		MS -250130040-01A	65 - 135	89.6	-	
Toxaphene	QC79237	LCS	70 - 130	0.0	-	EPA 505
		EPA 505 multicomponent analytes include: Chlordane, Toxaphene, and PCB aroclors 1016, 1221, 1232, 1242, 1248, 1254, 1260. Batch QC includes one multicomponent; continually rotating analytes. Samples with apparent patterns are confirmed prior to reporting.				
		MS -250130040-01A	65 - 135	-	-	
1,1,1,2-Tetrachloroethane	QC79240	LCS	70 - 130	93.8	-	EPA-524.2
		LCS Dup	0 - 20	-	7.8	
1,1,1-Trichloroethane	QC79240	LCS	70 - 130	92.0	-	EPA-524.2
		LCS Dup	0 - 20	-	10.0	
1,1,2,2-Tetrachloroethane	QC79240	LCS	70 - 130	101.8	-	EPA-524.2

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Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
		LCS Dup	0 - 20	-	6.7	
1,1,2-Trichloroethane	QC79240	LCS	70 - 130	111.2	-	EPA-524.2
		LCS Dup	0 - 20	-	3.7	
1,1-Dichloroethane	QC79240	LCS	70 - 130	98.6	-	EPA-524.2
		LCS Dup	0 - 20	-	10.0	
1,1-Dichloroethylene	QC79240	LCS	70 - 130	96.0	-	EPA-524.2
		LCS Dup	0 - 20	-	6.5	
1,1-Dichloropropene	QC79240	LCS	70 - 130	107.2	-	EPA-524.2
		LCS Dup	0 - 20	-	9.2	
1,2,3-Trichlorobenzene	QC79240	LCS	70 - 130	99.0	-	EPA-524.2
		LCS Dup	0 - 20	-	8.4	
1,2,3-Trichloropropane	QC79240	LCS	70 - 130	103.4	-	EPA-524.2
		LCS Dup	0 - 20	-	5.6	
1,2,4-Trichlorobenzene	QC79240	LCS	70 - 130	97.4	-	EPA-524.2
		LCS Dup	0 - 20	-	6.1	
1,2,4-Trimethylbenzene	QC79240	LCS	70 - 130	101.4	-	EPA-524.2
		LCS Dup	0 - 20	-	8.4	
1,2-Dichloroethane	QC79240	LCS	70 - 130	107.2	-	EPA-524.2
		LCS Dup	0 - 20	-	8.8	
1,2-Dichloropropane	QC79240	LCS	70 - 130	106.2	-	EPA-524.2
		LCS Dup	0 - 20	-	9.5	
1,3,5-Trimethylbenzene	QC79240	LCS	70 - 130	104.6	-	EPA-524.2
		LCS Dup	0 - 20	-	8.6	
1,3-Dichloropropane	QC79240	LCS	70 - 130	116.0	-	EPA-524.2
		LCS Dup	0 - 20	-	3.9	
Benzene	QC79240	LCS	70 - 130	102.4	-	EPA-524.2
		LCS Dup	0 - 20	-	8.3	
Bromobenzene	QC79240	LCS	70 - 130	108.0	-	EPA-524.2
		LCS Dup	0 - 20	-	7.3	
Bromochloromethane	QC79240	LCS	70 - 130	93.4	-	EPA-524.2
		LCS Dup	0 - 20	-	3.9	
Bromodichloromethane	QC79240	LCS	70 - 130	88.6	-	EPA-524.2
		LCS Dup	0 - 20	-	9.2	
Bromoform	QC79240	LCS	70 - 130	88.6	-	EPA-524.2
		LCS Dup	0 - 20	-	4.9	
Bromomethane	QC79240	LCS	70 - 130	87.4	-	EPA-524.2
		LCS Dup	0 - 20	-	15.0	
Carbon Tetrachloride	QC79240	LCS	70 - 130	88.2	-	EPA-524.2
		LCS Dup	0 - 20	-	15.1	
Chlorodibromomethane	QC79240	LCS	70 - 130	87.2	-	EPA-524.2
		LCS Dup	0 - 20	-	7.4	
Chloroethane	QC79240	LCS	70 - 130	88.0	-	EPA-524.2
		LCS Dup	0 - 20	-	13.1	
Chloroform	QC79240	LCS	70 - 130	94.4	-	EPA-524.2
		LCS Dup	0 - 20	-	8.8	
Chloromethane	QC79240	LCS	70 - 130	89.6	-	EPA-524.2
		LCS Dup	0 - 20	-	10.3	
cis-1,2-Dichloroethylene	QC79240	LCS	70 - 130	95.2	-	EPA-524.2
		LCS Dup	0 - 20	-	9.9	
Dibromomethane	QC79240	LCS	70 - 130	106.8	-	EPA-524.2

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Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
		LCS Dup	0 - 20	-	5.6	
Dichlorodifluoromethane	QC79240	LCS	70 - 130	103.4	-	EPA-524.2
		LCS Dup	0 - 20	-	13.0	
Dichloromethane	QC79240	LCS	70 - 130	94.8	-	EPA-524.2
		LCS Dup	0 - 20	-	9.7	
Ethylbenzene	QC79240	LCS	70 - 130	105.6	-	EPA-524.2
		LCS Dup	0 - 20	-	9.7	
Fluorotrichloromethane	QC79240	LCS	70 - 130	92.8	-	EPA-524.2
		LCS Dup	0 - 20	-	14.8	
Hexachlorobutadiene	QC79240	LCS	70 - 130	103.2	-	EPA-524.2
		LCS Dup	0 - 20	-	10.4	
Isopropylbenzene	QC79240	LCS	70 - 130	94.4	-	EPA-524.2
		LCS Dup	0 - 20	-	9.8	
m-Dichlorobenzene	QC79240	LCS	70 - 130	109.4	-	EPA-524.2
		LCS Dup	0 - 20	-	10.0	
Monochlorobenzene	QC79240	LCS	70 - 130	111.8	-	EPA-524.2
		LCS Dup	0 - 20	-	8.0	
Naphthalene	QC79240	LCS	70 - 130	93.6	-	EPA-524.2
		LCS Dup	0 - 20	-	5.3	
n-Butylbenzene	QC79240	LCS	70 - 130	102.0	-	EPA-524.2
		LCS Dup	0 - 20	-	9.9	
n-Propylbenzene	QC79240	LCS	70 - 130	103.8	-	EPA-524.2
		LCS Dup	0 - 20	-	9.5	
o-Chlorotoluene	QC79240	LCS	70 - 130	103.2	-	EPA-524.2
		LCS Dup	0 - 20	-	8.9	
o-Dichlorobenzene	QC79240	LCS	70 - 130	105.0	-	EPA-524.2
		LCS Dup	0 - 20	-	6.9	
Para-Dichlorobenzene	QC79240	LCS	70 - 130	107.8	-	EPA-524.2
		LCS Dup	0 - 20	-	8.3	
p-Chlorotoluene	QC79240	LCS	70 - 130	105.2	-	EPA-524.2
		LCS Dup	0 - 20	-	9.1	
p-Isopropyltoluene	QC79240	LCS	70 - 130	109.2	-	EPA-524.2
		LCS Dup	0 - 20	-	7.6	
sec-Butylbenzene	QC79240	LCS	70 - 130	113.0	-	EPA-524.2
		LCS Dup	0 - 20	-	9.8	
Styrene	QC79240	LCS	70 - 130	107.4	-	EPA-524.2
		LCS Dup	0 - 20	-	7.9	
tert-Butylbenzene	QC79240	LCS	70 - 130	111.0	-	EPA-524.2
		LCS Dup	0 - 20	-	10.2	
Tetrachloroethylene	QC79240	LCS	70 - 130	114.8	-	EPA-524.2
		LCS Dup	0 - 20	-	12.2	
Toluene	QC79240	LCS	70 - 130	106.4	-	EPA-524.2
		LCS Dup	0 - 20	-	10.7	
trans-1,2-Dichloroethylene	QC79240	LCS	70 - 130	93.8	-	EPA-524.2
		LCS Dup	0 - 20	-	10.5	
Trichloroethylene	QC79240	LCS	70 - 130	114.4	-	EPA-524.2
		LCS Dup	0 - 20	-	13.0	
Vinyl chloride	QC79240	LCS	70 - 130	85.4	-	EPA-524.2
		LCS Dup	0 - 20	-	9.3	
Alachlor	QC79294	LCS	70 - 130	96.0	-	EPA 525.2

Abbreviations/ References:

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ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

MCL = Maximum contaminant level per the EPA
ND = Not Detected at Reporting Limit.

Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
		MS -250128136-01E	70 - 130	113.0	-	
Atrazine	QC79294	LCS	70 - 130	111.0	-	EPA 525.2
		MS -250128136-01E	70 - 130	110.0	-	
Benzo(a)pyrene	QC79294	LCS	70 - 130	94.0	-	EPA 525.2
		MS -250128136-01E	70 - 130	88.0	-	
Butachlor	QC79294	LCS	70 - 130	96.0	-	EPA 525.2
		MS -250128136-01E	70 - 130	108.0	-	
Di(2-ethylhexyl)adipate	QC79294	LCS	70 - 130	98.0	-	EPA 525.2
		MS -250128136-01E	70 - 130	90.0	-	
Di(2-ethylhexyl)phthalate	QC79294	LCS	70 - 130	102.0	-	EPA 525.2
		MS -250128136-01E	70 - 130	99.0	-	
Heptachlor	QC79294	LCS	70 - 130	86.0	-	EPA 525.2
		MS -250128136-01E	70 - 130	103.0	-	
Metolachlor	QC79294	LCS	70 - 130	99.0	-	EPA 525.2
		MS -250128136-01E	70 - 130	116.0	-	
Metribuzin	QC79294	LCS	70 - 130	64.0	-	EPA 525.2
Analyte recovery below lower QC limits. Analyte within QC limits in MRL and CCVs. No corrective action required. AJP 2/5/25						
		MS -250128136-01E	70 - 130	94.0	-	
Propachlor	QC79294	LCS	70 - 130	108.0	-	EPA 525.2
		MS -250128136-01E	70 - 130	107.0	-	
Simazine	QC79294	LCS	70 - 130	97.0	-	EPA 525.2
		MS -250128136-01E	70 - 130	102.0	-	
3-Hydroxycarbofuran	QC79359	LCS	80 - 120	97.8	-	EPA 531.1
		MS -250128042-01F	65 - 135	108.3	-	
Aldicarb	QC79359	LCS	80 - 120	104.6	-	EPA 531.1
		MS -250128042-01F	65 - 135	116.6	-	
Aldicarb sulfone	QC79359	LCS	80 - 120	106.8	-	EPA 531.1
		MS -250128042-01F	65 - 135	118.8	-	
Aldicarb sulfoxide	QC79359	LCS	80 - 120	99.1	-	EPA 531.1
		MS -250128042-01F	65 - 135	111.4	-	
Carbaryl	QC79359	LCS	80 - 120	93.9	-	EPA 531.1
		MS -250128042-01F	65 - 135	103.7	-	
Carbofuran	QC79359	LCS	80 - 120	96.7	-	EPA 531.1
		MS -250128042-01F	65 - 135	107.4	-	
Methomyl	QC79359	LCS	80 - 120	103.1	-	EPA 531.1
		MS -250128042-01F	65 - 135	114.4	-	
Oxamyl	QC79359	LCS	80 - 120	97.3	-	EPA 531.1
		MS -250128042-01F	65 - 135	106.8	-	
Diquat	QC79304	LCS	70 - 130	93.2	-	EPA 549.2
		MS -250128136-01H	70 - 130	92.8	-	
Chloride	QC79273	Duplicate -250128077-01	0 - 20	-	0.0	EPA 300.0
		LCS	90 - 110	103.6	-	
		MS -250128077-01	75 - 125	78.3	-	
Cyanide-Free	QC79242	Duplicate -250129108-01	0 - 20	-	0.0	ASTM D4282-15
		LCS	90 - 110	98.1	-	
		MS -250129108-03R	75 - 125	95.5	-	
		MS -250129108-03R	90 - 110	95.5	-	
Cyanide-Total	QC79244	Duplicate -250128132-01	0 - 20	-	11.8	EPA 335.4
		LCS	90 - 110	93.0	-	
		MS -250129042-07	90 - 110	94.0	-	

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Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
		MS -250129042-07	75 - 125	94.0	-	
Fluoride	QC79274	Duplicate -250128077-01	0 - 20	-	1.9	EPA 300.0
		LCS	90 - 110	97.2	-	
		MS -250128077-01	75 - 125	90.9	-	
Aluminum	QC79238	LCS	90 - 110	105.1	-	EPA 200.8
		MS -250128008-01	70 - 130	91.3	-	
		MSD -250128008-01	0 - 10	-	4.6	
Antimony	QC79238	LCS	90 - 110	98.9	-	EPA 200.8
		MS -250128008-01	70 - 130	100.1	-	
		MSD -250128008-01	0 - 10	-	2.5	
Arsenic	QC79238	LCS	90 - 110	97.9	-	EPA 200.8
		MS -250128008-01	70 - 130	108.4	-	
		MSD -250128008-01	0 - 10	-	0.1	
Barium	QC79238	LCS	90 - 110	91.1	-	EPA 200.8
		MS -250128008-01	70 - 130	93.0	-	
		MSD -250128008-01	0 - 10	-	0.3	
Beryllium	QC79238	LCS	90 - 110	99.4	-	EPA 200.8
		MS -250128008-01	70 - 130	100.1	-	
		MSD -250128008-01	0 - 10	-	2.1	
Cadmium	QC79238	LCS	90 - 110	94.8	-	EPA 200.8
		MS -250128008-01	70 - 130	104.2	-	
		MSD -250128008-01	0 - 10	-	0.4	
Chromium	QC79238	LCS	90 - 110	104.1	-	EPA 200.8
		MS -250128008-01	70 - 130	100.6	-	
		MSD -250128008-01	0 - 10	-	0.3	
Manganese	QC79238	LCS	90 - 110	101.5	-	EPA 200.8
		MS -250128008-01	70 - 130	101.3	-	
		MSD -250128008-01	0 - 10	-	0.3	
Mercury	QC79238	LCS	90 - 110	105.3	-	EPA 200.8
		MS -250128008-01	70 - 130	94.8	-	
		MSD -250128008-01	0 - 10	-	3.8	
Selenium	QC79238	LCS	90 - 110	96.9	-	EPA 200.8
		MS -250128008-01	70 - 130	117.3	-	
		MSD -250128008-01	0 - 10	-	0.5	
Silver	QC79238	LCS	90 - 110	103.8	-	EPA 200.8
		MS -250128008-01	70 - 130	84.3	-	
		MSD -250128008-01	0 - 10	-	4.2	
Thallium	QC79238	LCS	90 - 110	99.5	-	EPA 200.8
		MS -250128008-01	70 - 130	95.8	-	
		MSD -250128008-01	0 - 10	-	0.5	
Zinc	QC79238	LCS	90 - 110	101.6	-	EPA 200.8
		MS -250128008-01	70 - 130	108.3	-	
		MSD -250128008-01	0 - 10	-	1.1	
Iron	QC79268	Duplicate -250128020-01	0 - 20	-	2.0	EPA 200.7
		LCS	90 - 110	96.4	-	
		MS -250128042-01A	75 - 125	94.2	-	
Nitrate Nitrogen	QC79275	Duplicate -250128077-01	0 - 20	-	0.1	EPA 300.0
		LCS	90 - 110	98.5	-	
		MS -250128077-01	75 - 125	84.4	-	
Nitrite Nitrogen	QC79276	Duplicate -250128077-01	0 - 20	-	0.0	EPA 300.0

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Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
		LCS	90 - 110	99.1	-	
		MS -250128077-01	75 - 125	95.1	-	
Sulfate	QC79278	Duplicate -250128077-01	0 - 20	-	0.3	EPA 300.0
		LCS	90 - 110	100.6	-	
		MS -250128077-01	75 - 125	92.2	-	
Total Kjeldahl Nitrogen	QC79245	Duplicate -250127064-01	0 - 20	-	5.7	SM 4500-Norg-B
		LCS	89 - 113	102.1	-	
		MS -250127064-02B	75 - 125	104.6	-	

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DATA APPROVED FOR RELEASE BY

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MCL = Maximum contaminant level per the EPA
ND = Not Detected at Reporting Limit.

Analytical Results

TASK NO: 250130100

Report To: Larry Salazar

Company: Kimley-Horn Colorado Springs
2 N Nevada Ave
Suite 900
Colorado Springs CO 80903

Bill To: Larry Salazar

Company: Kimley-Horn Colorado Springs
2 N Nevada Ave
Suite 900
Colorado Springs CO 80903

Task No.: 250130100
Client PO: Paid w/ CC
Client Project: MJR

Date Received: 1/30/25
Date Reported: 2/14/25
Matrix: Water - Drinking

Customer Sample ID MJR

Sample Date/Time: 1/29/25 3:30 PM

Lab Number: 250130100-01

Test	Result	Method	RL	MCL	Date Analyzed	QC Batch ID	Analyzed By
2,4,5-TP	ND ug/L	EPA 515.4	0.2 ug/L	50	2/7/25	QC79398	LLM
2,4,-D	ND ug/L	EPA 515.4	0.1 ug/L	70	2/7/25	QC79398	LLM
Dalapon	ND ug/L	EPA 515.4	1.0 ug/L	200	2/7/25	QC79398	LLM
Dicamba	ND ug/L	EPA 515.4	0.5 ug/L		2/7/25	QC79398	LLM
Dinoseb	ND ug/L	EPA 515.4	0.2 ug/L	7	2/7/25	QC79398	LLM
Pentachlorophenol	ND ug/L	EPA 515.4	0.04 ug/L	1	2/7/25	QC79398	LLM
Picloram	ND ug/L	EPA 515.4	0.1 ug/L	500	2/7/25	QC79398	LLM
Endothall	ND ug/L	EPA 548.1	9 ug/L	100	2/4/25	QC79332	AJP

Method	Surrogate	PercentRecovery	Acceptance Limits
EPA 515.4	DCAA	100.6	70 - 130

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ND = Not Detected at Reporting Limit.

Report To: Larry Salazar
Company: Kimley-Horn Colorado Springs

Receive Date: 1/30/25
Project Name: MJR

Test	QC Batch ID	QC Type	Result	Method	Prep Date
2,4,5-TP	QC79398	Method Blank	ND	EPA 515.4	2/6/25
2,4,-D	QC79398	Method Blank	ND	EPA 515.4	2/6/25
Dalapon	QC79398	Method Blank	ND	EPA 515.4	2/6/25
Dicamba	QC79398	Method Blank	ND	EPA 515.4	2/6/25
Dinoseb	QC79398	Method Blank	ND	EPA 515.4	2/6/25
Pentachlorophenol	QC79398	Method Blank	ND	EPA 515.4	2/6/25
Picloram	QC79398	Method Blank	ND	EPA 515.4	2/6/25
Endothall	QC79332	Method Blank	ND	EPA 548.1	2/4/25

Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
2,4,5-TP	QC79398	LCS	70 - 130	105.4	-	EPA 515.4
		MS -250130038-01D	70 - 130	97.5	-	
		MSD -250130038-01D	0 - 30	-	1.6	
2,4,-D	QC79398	LCS	70 - 130	105.5	-	EPA 515.4
		MS -250130038-01D	70 - 130	95.5	-	
		MSD -250130038-01D	0 - 30	-	1.2	
Dalapon	QC79398	LCS	70 - 130	97.9	-	EPA 515.4
		MS -250130038-01D	70 - 130	97.8	-	
		MSD -250130038-01D	0 - 30	-	10.4	
Dicamba	QC79398	LCS	70 - 130	95.2	-	EPA 515.4
		MS -250130038-01D	70 - 130	84.6	-	
		MSD -250130038-01D	0 - 30	-	0.9	
Dinoseb	QC79398	LCS	70 - 130	97.0	-	EPA 515.4
		MS -250130038-01D	70 - 130	100.4	-	
		MSD -250130038-01D	0 - 30	-	11.4	
Pentachlorophenol	QC79398	LCS	70 - 130	90.7	-	EPA 515.4
		MS -250130038-01D	70 - 130	80.4	-	
		MSD -250130038-01D	0 - 30	-	0.9	
Picloram	QC79398	LCS	70 - 130	93.2	-	EPA 515.4
		MS -250130038-01D	70 - 130	98.0	-	
		MSD -250130038-01D	0 - 30	-	9.2	
Endothall	QC79332	LCS	52 - 137	88.8	-	EPA 548.1
		MS -250128136-01G	39 - 133	33.0	-	

Analyte recovery below lower QC limits. This is likely due to sample matrix interference. Analyte within QC criteria in LCS.
No corrective action required. AJP 2/7/25

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(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

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ND = Not Detected at Reporting Limit.



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ND = Not Detected at Reporting Limit.

Analytical Results

TASK NO: 250128042

Report To: Larry Salazar

Company: Kimley-Horn Colorado Springs
2 N Nevada Ave
Suite 900
Colorado Springs CO 80903

Bill To: Larry Salazar

Company: Kimley-Horn Colorado Springs
2 N Nevada Ave
Suite 900
Colorado Springs CO 80903

Task No.: 250128042
Client PO: Paid w/ CC
Client Project: MJR

Date Received: 1/28/25
Date Reported: 2/21/25
Matrix: Water - Drinking

Lab Number	Customer Sample ID	Sample Date/Time	Test	Result	Method	Date Analyzed
250128042-01J	MJR	1/27/25 3:30 PM	Total Coliform	Absent	SM 9223	1/29/25
			E-Coli	Absent	SM 9223	1/29/25

Abbreviations/ References:

Absent = Coliform Not Detected

Present = Coliform Detected - Chlorination Recommended

Date Analyzed = Date Test Completed

SM = "Standard Methods for the Examination of Water and Wastewater"; APHA; 19th Edition; 1995



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Colorado Analytical Laboratory • 10411 Heinz Way, Commerce City, CO 80640

www.coloradolab.com • 303-659-2313

250128042

Analytical Results

TASK NO: 250128042

Report To: Larry Salazar

Company: Kimley-Horn Colorado Springs
2 N Nevada Ave
Suite 900
Colorado Springs CO 80903

Bill To: Larry Salazar

Company: Kimley-Horn Colorado Springs
2 N Nevada Ave
Suite 900
Colorado Springs CO 80903

Task No.: 250128042
Client PO: Paid w/ CC
Client Project: MJR

Date Received: 1/28/25
Date Reported: 2/21/25
Matrix: Water - Drinking

Customer Sample ID MJR

Sample Date/Time: 1/27/25 3:30 PM

Lab Number: 250128042-01

Test	Result	Method	RL	Date Analyzed	QC Batch ID	Analyzed By
Bicarbonate	164.3 mg/L as CaCO ₃	SM 2320-B	0.2 mg/L as CaCO ₃	1/29/25	-	TAB
Calcium as CaCO ₃	18.2 mg/L	EPA 200.7	0.1 mg/L	1/31/25	-	JJA
Carbonate	10.2 mg/L as CaCO ₃	SM 2320-B	0.2 mg/L as CaCO ₃	1/29/25	-	TAB
Hydroxide	ND mg/L as CaCO ₃	SM 2320-B	0.2 mg/L as CaCO ₃	1/29/25	-	TAB
Langelier Index	-0.14 units	SM 2330-B	units	2/5/25	-	DPL
pH	8.20 units	SM 4500-H-B	0.01 units	1/28/25	-	KJP
Temperature	20 °C	SM 4500-H-B	1 °C	1/28/25	-	KJP
Total Alkalinity	174.4 mg/L as CaCO ₃	SM 2320-B	4.0 mg/L as CaCO ₃	1/29/25	QC79223	TAB
Total Dissolved Solids	279 mg/L	SM 2540-C	5 mg/L	1/30/25	QC79226	ISG

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(d) RPD acceptable due to low duplicate and sample concentrations.
(s) Spike amount low relative to the sample amount.
ND = Not Detected at Reporting Limit.

Analytical QC Summary

TASK NO: 250128042

Report To: Larry Salazar
Company: Kimley-Horn Colorado Springs

Receive Date: 1/28/25

Project Name: MJR

Test	QC Batch ID	QC Type	Result	Method	Prep Date
Total Alkalinity	QC79223	Blank	ND	SM 2320-B	1/29/25
Total Dissolved Solids	QC79226	Blank	ND	SM 2540-C	1/29/25

Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
Total Alkalinity	QC79223	Duplicate -250123102-01	0 - 20	-	1.8	SM 2320-B
		LCS	90 - 110	98.9	-	
		LCS-2	90 - 110	99.7	-	
Total Dissolved Solids	QC79226	Duplicate -250129044-02	0 - 10	-	1.1	SM 2540-C
		LCS	85 - 115	99.1	-	

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Date Analyzed = Date Test Completed

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(s) Spike amount low relative to the sample amount.
ND = Not Detected at Reporting Limit.



Hazen Research, Inc.
4601 Indiana Street
Golden, CO 80403 USA
Tel: (303) 279-4501
Fax: (303) 278-1528

Lab Control ID: 25H01218
Received: Jan 30, 2025
Reported: Feb 28, 2025
Purchase Order No.
None Received

Customer ID: 05377Z
Account ID: Z01034

ANALYTICAL REPORT

Rebecca Manzanares
Colorado Analytical Laboratories, Inc.

Lab Sample ID		25H01218-001						
Customer Sample ID		250128042-01L - MJR						
		sampled on 01/27/25 @ 1530						
Parameter	Units	Code	Result	Precision* +/-	Detection Limit	Method	Analysis Date / Time	Analyst
Gross Alpha	pCi/L	T	<2.1^	1.9	2.1	SM 7110 B	02/18/25 @ 0758	JR
Gross Beta	pCi/L	T	<2.2^	2.6	2.2	SM 7110 B	02/18/25 @ 0758	JR

Lab Sample ID		25H01218-002						
Customer Sample ID		250128042-01M - MJR						
		sampled on 01/27/25 @ 1530						
Parameter	Units	Code	Result	Precision* +/-	Detection Limit	Method	Analysis Date / Time	Analyst
Radium-226	pCi/L	T	<0.2	0.1	0.2	SM 7500-Ra B	02/14/25 @ 0915	KT
Radium-228	pCi/L	T	<0.2	0.5	0.2	EPA pg.19	02/20/25 @ 0954	KR

Certification ID's: CO/EPA CO00008

*Variability of the radioactive decay process (counting error) at the 95% confidence level, 1.96 sigma.

Codes: (T) = Total (D) = Dissolved (S) = Suspended (R) = Replicate Sample (AR) = As Received < = Less Than

^ Due to the large amount of total or dissolved solids in the sample, reduced aliquots were used for the gross alpha and beta analysis.

HAZEN RESEARCH, INC.
RADIOCHEMISTRY LABORATORY

Date: 02/18/2025

Batch QC Summary Form

Analyte: Gross Alpha

Control Standard/LFB: ID: C11-006 pCi/mL: 57.4 (use 1 diluted)

Spike Solution: ID: C11-006 pCi/mL: 57.4 (use 1 mL)

Spike Recovery Calculation: Sample: Tap

$$\text{Calculation: } \frac{(269.1) - (0.200)}{57.4} \times 100 = 93.5\%$$

Batch QC Evaluation:

Parameter	Criteria	Pass	Fail	N/A
Control Std./LFB	+/- 30 %	x		
Spike Recovery	70 - 130 %	x		
Blank	< or = 3 x Uncertainty	x		
Duplicate 1	95% confidence interval overlap	x		
Duplicate 2 *	95% confidence interval overlap	x		

* Required for batch size greater than 10 samples.

Conclusions:

 x Batch QC Passes**
 Batch QC Fails
 Batch QC Passes, with exceptions**:

Reruns Required: _____


Narrative:

**All QC data provided in this section of the report met the acceptance criteria specified in the analytical methods and procedures. State Maximum Contamination Levels (MCLs) are not evaluated in this report.

Batch Listing by Lab Control Number:

25M01201	25H01228
25H01202	25H01231
25H01213	25H01232
25H01214	24H03528
25H01215	24H01036
25H01216	24H01058
25H01217	_____
25H01218	_____
25H01219	_____
25H01227	_____

Evaluator:

 _____

02/21/2025

Date

HAZEN RESEARCH, INC.
RADIOCHEMISTRY LABORATORY

Date: 02/18/2025

Batch QC Summary Form

Analyte: Gross Beta

Control Standard/LFB: ID: C11-006 pCi/mL: 44 (use 1 diluted)

Spike Solution: ID: C11-006 pCi/mL: 44 (use 1 mL)

Spike Recovery Calculation: Sample: Tap

$$\text{Calculation: } \frac{(207.1) - (0.200)}{44} - \frac{(0.9) - (0.200)}{44} \times 100 = 93.7\%$$

Batch QC Evaluation:

Parameter	Criteria	Pass	Fail	N/A
Control Std./LFB	+/- 30 %	x		
Spike Recovery	70 - 130 %	x		
Blank	< or = 3 x Uncertainty	x		
Duplicate 1	95% confidence interval overlap	x		
Duplicate 2 *	95% confidence interval overlap	x		

* Required for batch size greater than 10 samples.

Conclusions:

 x Batch QC Passes**
 Batch QC Fails
 Batch QC Passes, with exceptions**:

Reruns Required: _____

Narrative:

**All QC data provided in this section of the report met the acceptance criteria specified in the analytical methods and procedures. State Maximum Contamination Levels (MCLs) are not evaluated in this report.

Batch Listing by Lab Control Number:

<u>25M01201</u>	<u>25H01228</u>
<u>25H01202</u>	<u>25H01231</u>
<u>25H01213</u>	<u>25H01232</u>
<u>25H01214</u>	<u>24H03528</u>
<u>25H01215</u>	<u>24H01036</u>
<u>25H01216</u>	<u>24H01058</u>
<u>25H01217</u>	_____
<u>25H01218</u>	_____
<u>25H01219</u>	_____
<u>25H01227</u>	_____

Evaluator:

 _____

02/21/2025

Date

HAZEN RESEARCH, INC.
RADIOCHEMISTRY LABORATORY

Date: 02/13/2025

Batch QC Summary Form

Analyte: Radium-226

Control Standard/LFB: ID: C73-008 pCi/mL: 10.55 (use 2 diluted)

Spike Solution: ID: C73-008 pCi/mL: 10.55 (use 2 mL)

Spike Recovery Calculation: Sample: 25H01218-02b

Calculation: $\frac{(19.4) (1.000) - (0.1) (1.000)}{21.1} \times 100 = 91\%$

Batch QC Evaluation:

Parameter	Criteria	Pass	Fail	N/A
Control Std./LFB	+/- 20 %	x		
Spike Recovery	80 - 120 %	x		
Blank	< or = 3 x Uncertainty	x		
Duplicate 1	95% confidence interval overlap	x		
Duplicate 2 *	95% confidence interval overlap			x

* Required for batch size greater than 10 samples.

Conclusions:

 x Batch QC Passes**
 Batch QC Fails
 Batch QC Passes, with exceptions**:

Reruns Required: _____


Narrative:

**All QC data provided in this section of the report met the acceptance criteria specified in the analytical methods and procedures. State Maximum Contamination Levels (MCLs) are not evaluated in this report.

Batch Listing by Lab Control Number:

25H01218	_____
25H01219	_____
25H01231	_____
25H01232	_____
25H01240	_____
25H01241	_____
25H01250	_____
_____	_____
_____	_____
_____	_____

Evaluator:

 _____

02/20/2025

Date

HAZEN RESEARCH, INC.
RADIOCHEMISTRY LABORATORY

Date: 02/20/2025

Batch QC Summary Form

Analyte: Radium-228

Control Standard/LFB: ID: C6-009 pCi/mL: 14.2 (use 5 diluted)

Spike Solution: ID: C6-009 pCi/mL: 14.2 (use 5 mL)

Spike Recovery Calculation: Sample: 25H01231-1d

Calculation: $\frac{(79.0) (1.000) - (9.6) (1.000)}{71} \times 100 = 97.7\%$

Batch QC Evaluation:

Parameter	Criteria	Pass	Fail	N/A
Control Std./LFB	+/- 20 %	x		
Spike Recovery	80 - 120 %	x		
Blank	< or = 3 x Uncertainty	x		
Duplicate 1	95% confidence interval overlap	x		
Duplicate 2 *	95% confidence interval overlap			x

* Required for batch size greater than 10 samples.

Conclusions:

 x Batch QC Passes**
 Batch QC Fails
 Batch QC Passes, with exceptions**:

Reruns Required: _____

Narrative:

**All QC data provided in this section of the report met the acceptance criteria specified in the analytical methods and procedures. State Maximum Contamination Levels (MCLs) are not evaluated in this report.

Batch Listing by Lab Control Number:

25H01214 _____
25H01215 _____
25H01216 _____
25H01217 _____
25H01218 _____
25H01219 _____
25H01231 _____

Evaluator:

Roxanne Sullivan _____

02/28/2025

Date