

TCEQ Interoffice Memorandum

TO: Office of the Chief Clerk
Texas Commission on Environmental Quality

THRU: Chris Kozlowski, Team Leader
Water Rights Permitting Team

FROM: Sarah Henderson, Project Manager
Water Rights Permitting Team

DATE: December 12, 2023

SUBJECT: JDS RR LLC
WRPERM 13931
CN606006823, RN111798641
Application No. 13931 for a Water Use Permit
Texas Water Code § 11.121, Requiring Published and Mailed Notice
Unnamed Tributary of the North Fork San Gabriel River, Brazos River
Basin
Williamson County

The application was received on August 25, 2023. Additional information and fees were received on November 27 and December 1, 2023. The application was declared administratively complete and accepted for filing with the Office of the Chief Clerk on December 12, 2023. Published and mailed notice to the water right holders of record in the Brazos River Basin is required pursuant to Title 30 Texas Administrative Code §§ 295.152(a) and 295.153(b).

All fees have been paid and the application is sufficient for filing.

Sarah Henderson

Sarah Henderson, Project Manager
Water Rights Permitting Team
Water Rights Permitting and Availability Section

OCC Mailed Notice Required X YES NO

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Kelly Keel, *Interim Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 12, 2023

Mr. Brad Pickering, P.E., CFM
Kimley-Horn & Associates
1400 Woodloch Forest Drive, Suite 225
The Woodlands, Texas 77380-1337

VIA E-MAIL

RE: JDS RR LLC
WRPERM 13931
CN606006823, RN111798641
Application No. 13931 for a Water Use Permit
Texas Water Code § 11.121, Requiring Published and Mailed Notice
Unnamed Tributary of the North Fork San Gabriel River, Brazos River Basin
Williamson County

Dear Mr. Pickering:

This acknowledges receipt, on November 27 and December 1, 2023, of additional information and fees in the amount of \$1,145.64 (Receipt No. M406024, copy attached).

The application was declared administratively complete and filed with the Office of the Chief Clerk on December 12, 2023. Staff will continue processing the application for consideration by the Executive Director.

Please be advised that additional information may be requested during the technical review phase of the application process.

If you have any questions concerning this matter, please contact me via email at sarah.henderson@tceq.texas.gov or by telephone at (512) 239-2535.

Sincerely,

Sarah Henderson

Sarah Henderson, Project Manager
Water Rights Permitting Team
Water Rights Permitting and Availability Section

Attachment



04-DEC-23 10:21 AM

TCEQ - A/R RECEIPT REPORT BY ACCOUNT NUMBER

| <u>Fee Description</u> | <u>Fee Code</u> <u>Account#</u> <u>Account Name</u> | <u>Ref#1</u> <u>Ref#2</u> <u>Paid In By</u> | <u>Check Number</u> <u>Card Auth.</u> <u>User Data</u> | <u>CC Type</u> <u>Tran Code</u> <u>Rec Code</u> | <u>Slip Key</u> <u>Document#</u> | <u>Tran Date</u> | <u>Tran Amount</u> |
|------------------------|---|---|--|---|-------------------------------------|------------------|--------------------|
| WTR USE PERMITS | WUP | M406024 | 5246 | | BS00106512 | 04-DEC-23 | -\$1,145.64 |
| | WUP | | 120423 | N | D4801030 | | |
| | WATER USE PERMITS | JDS RR LLC | RHDAVIS | CK | | | |
| | | | | | Total (Fee Code): | | -\$1,145.64 |
| | | | | | Grand Total: | | -\$6,154.00 |

Sarah Henderson

From: Pickering, Brad <[REDACTED]>
Sent: Monday, November 27, 2023 12:05 PM
To: Sarah Henderson
Cc: Chris Kozlowski; Humberto Galvan
Subject: RE: JDS RR LLC WRPERM No. 13931 - Request for Information
Attachments: 20231127_JDS RR LLC WRPERM No 13931_Additional Information.pdf

Hi Sarah. Please see the attached comment response for the requested additional information. A hardcopy is also being sent via overnight delivery, which will include the check. Let me know if you have any questions, or need anything else.

Thanks,
Brad

Brad W. Pickering, P.E. (TX), CFM

Kimley-Horn | 1400 Woodloch Forest Drive, Suite 225, The Woodlands, TX 77380
Direct: 281 475 2831 | Mobile: 903 335 9158

Celebrating 16 years as one of FORTUNE's 100 Best Companies to Work For

From: Sarah Henderson <sarah.henderson@tceq.texas.gov>
Sent: Monday, October 30, 2023 11:53 AM
To: Pickering, Brad <[REDACTED]>
Cc: Chris Kozlowski <chris.kozlowski@tceq.texas.gov>; Humberto Galvan <Humberto.Galvan@tceq.texas.gov>
Subject: JDS RR LLC WRPERM No. 13931 - Request for Information

Mr. Pickering,
Please find the attached letter regarding the referenced water use permit application.
A response is requested by November 29, 2023.

Feel free to contact me with any questions.
Sincerely,
Sarah

Sarah Henderson
Water Rights Permitting Team
Water Availability Division
Texas Commission on Environmental Quality
P.O. Box 13087/MC-160
Austin, TX 78711-3087
(P) 512.239.2535
(F) 512.239.4770



November 27, 2023

Ms. Sarah Henderson, Project Manager
Water Rights Permitting Team
Water Availability Division
Texas Commission on Environmental Quality
P.O. Box 13087/MC-160
Austin, TX 78711-3087

**RE: *Comment Response
Benton Water Rights Permit Application
JDS RR LLC Water Rights Permit No. 13931***

Dear Ms. Henderson:

Kimley-Horn is in receipt of your comments, sent October 30, 2023, for the above referenced project. Kimley-Horn has revised the Water Rights Permit Application per these comments and offers the following in response. For reference, TCEQ comments are provided in *italics* before each response.

General Comments:

1. *Provide the Applicant's mailing address as recognized by the US Postal Service.*

Response: The Applicant's mailing address is provided below:

JDS RR LLC
5005 Riverway, Suite 500
Houston, TX 77056

2. *Confirm the requested place of use is Williamson County, Brazos River Basin.*

Response: Per the TCEQ Texas River Basins map, dated 12/30/2016, the requested place of use is in Williamson County, Brazos River Basin.

3. *Submit a copy of the notice, with certified mail proof of delivery, sent to each governmental body of each county and municipality in which the proposed reservoirs, or any part of the reservoir, will be located, as per Title 30 Texas Administrative Code (TAC) § 295.42.
Staff acknowledges receipt of the draft notice; however, the final notice and certified mail proof of delivery is required.*

Response: A copy of the notice sent to the Williamson County Judge and Precinct Three County Commissioner and certified mail receipts are attached. The delivery receipt for Williamson County Judge has not been received as of the date of this letter.

4. Provide the Survey Name, Original Survey number, and Abstract number for a point on the centerline of the dam of the existing North Pond and the proposed South Pond.

Response: The survey name, original survey number and abstract number for a point on the centerline of the existing North Pond and proposed South Pond dams are below:

North Pond Existing Dam

James Northcross Survey
Original Survey Number Not Available
Abstract 478

South Pond Proposed Dam

AJ Hayherst Survey
Original Survey Number Not Available
Abstract 305

5. Provide the Survey Name, Original Survey number, and Abstract number for the location of the two requested discharge points.

Response: The survey name, original survey number and abstract number for the two discharge points are below:

North Pond Existing Dam

James Northcross Survey
Original Survey Number Not Available
Abstract 478

South Pond Proposed Dam

AJ Hayherst Survey
Original Survey Number Not Available
Abstract 305

6. Provide temperature data in degrees Celsius for groundwater from the reference well identified as State Well No. 58-18-507. Resource Protection staff note historical water quality data was submitted by the Applicant for State Well No. 58-18-507 drawing from the Trinity aquifer; however, temperature data was not included. If temperature data is not available for the reference well, provide water chemistry information for the groundwater to be discharged from the existing onsite well that will be used in support of the application, including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. Provide the well number or identifier, depth of well, and name of the aquifer and formation from which the water is withdrawn. Complete the information below for each well.

| Parameter | Average Conc. | Max Conc. | No. of Samples | Sample Type | Sample Date/Time |
|-------------------------------|---------------|-----------|----------------|-------------|------------------|
| Sulfate, mg/L | | | | | |
| Chloride, mg/L | | | | | |
| Total Dissolved Solids, mg/L | | | | | |
| pH, standard units | | | | | |
| Temperature*, degrees Celsius | | | | | |

*Temperature must be measured on site at the time the groundwater sample is collected

Response: The reference well was changed to 58-10-805, since it included the requested information. The requested information in tabular format, as well as printouts of the water quality sample results obtained from the state are attached to this letter.

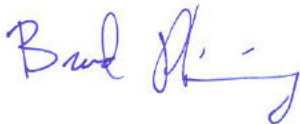
7. *Remit fees in the amount of \$1,145.64 as described below. Please make checks payable to the TCEQ or Texas Commission on Environmental Quality.*

| | |
|--|-------------------|
| <i>Filing Fee (Less than 100 acre-feet)</i> | <i>\$100.00</i> |
| <i>Recording Fee</i> | <i>\$25.00</i> |
| <i>Storage Fee (\$1.00 x 23.3 acre-feet)</i> | <i>\$23.30</i> |
| <i>Notice Fee (Brazos River Basin)</i> | <i>\$997.34</i> |
| <hr/> | |
| <i>Total Fees</i> | <i>\$1,145.64</i> |
| <i>Fees Received</i> | <i>\$0.00</i> |
| <hr/> | |
| <i>Fees Due</i> | <i>\$1,145.64</i> |

Response: An application check is included with this letter.

I trust the above responses and revised submittal is sufficient to address the comments regarding this case. Please feel free to contact me at 281.475.2816 or [REDACTED] if you have any questions.

Sincerely,



Brad Pickering, P.E., CFM

Attachments:

Notice Letters

Certified Mail Receipts

Received Delivery Receipt

Reference Well 58-10-805 - Summary Table

Reference Well 58-10-805 - Water Quality Sample Results

November 8, 2023

Ms. Valerie Covey
Precinct Three Commissioner
100 Wilco Way, CO201
Georgetown, TX 78626

Subject: Benton Tract
Application for Permit to Appropriate State Water
Williamson County, Texas

Dear Ms. Covey:

JDS RR, LLC has proposed the development of Benton Tract, a single family residential development located north of Ronald Reagan Boulevard in Williamson County, Texas. As part of the plan for the development, JDS RR, LLC has applied for a Water Rights Permit to repurpose an existing pond on the property in addition to proposing a new pond for in-place recreation as part of the drainage conveyance system on an unnamed tributary to North Fork San Gabriel River, in the Brazos Watershed in Williamson County.

The proposed plan for the development includes the reuse of an existing pond on site, and a proposed pond which will be used for recreation. The water lost due to evaporation will be replaced using a groundwater well.

JDS RR, LLC is pursuing this application to appropriate State Water with the Texas Commission on Environmental Quality (TCEQ). Notification of the application is being sent to all Water Rights holders in the Brazos River Watershed. If you have any questions regarding this application, please do not hesitate to call our offices.

Sincerely,

JDS RR, LLC

November 8, 2023

Mr. Bill Gravell Jr.
County Judge
710 S. Main Street, Ste. 101
Georgetown, TX 78626

Subject: Benton Tract
Application for Permit to Appropriate State Water
Williamson County, Texas

Dear Mr. Gravell Jr.:

JDS RR, LLC has proposed the development of Benton Tract, a single family residential development located north of Ronald Reagan Boulevard in Williamson County, Texas. As part of the plan for the development, JDS RR, LLC has applied for a Water Rights Permit to repurpose an existing pond on the property in addition to proposing a new pond for in-place recreation as part of the drainage conveyance system on an unnamed tributary to North Fork San Gabriel River, in the Brazos Watershed in Williamson County.

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JDS RR, LLC is pursuing this application to appropriate State Water with the Texas Commission on Environmental Quality (TCEQ). Notification of the application is being sent to all Water Rights holders in the Brazos River Watershed. If you have any questions regarding this application, please do not hesitate to call our offices.

Sincerely,

JDS RR, LLC

9589 0710 5270 1115 7537 72

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT

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Georgetown, TX 78626

| | |
|--|---------|
| Certified Mail Fee | \$14.35 |
| Extra Services & Fees (check box, add fees as appropriate) | |
| <input type="checkbox"/> Return Receipt (hardcopy) | \$0.00 |
| <input type="checkbox"/> Return Receipt (electronic) | \$0.00 |
| <input type="checkbox"/> Certified Mail Restricted Delivery | \$0.00 |
| <input type="checkbox"/> Adult Signature Required | \$0.00 |
| <input type="checkbox"/> Adult Signature Restricted Delivery | \$0.00 |

Postage \$0.66

Total Postage and Fees \$18.56



Sent To: Ms. Valerie Covey
 Street and Apt. No., or PO Box No.: 100 Wilco Way, CO201
 City, State, ZIP+4®: Georgetown, TX 78626

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Commissioner
 Wilco Way, CO201
 Georgetown, TX 78626



9589 02 8497 3186 9448 12

2. Article Number (Transfer from service label)

9589 0710 5270 1115 7537 72

COMPLETE THIS SECTION ON DELIVERY

- A. Signature Agent
 Addressee
- B. Received by (Printed Name) C. Date of Delivery
- D. Is delivery address different from 1? Yes
 If YES, enter delivery address below. No

3. Service Type
- | | |
|---|---|
| <input type="checkbox"/> Adult Signature | <input type="checkbox"/> Priority Mail Express® |
| <input type="checkbox"/> Adult Signature Restricted Delivery | <input type="checkbox"/> Registered Mail™ |
| <input type="checkbox"/> Certified Mail® | <input type="checkbox"/> Registered Mail Restricted Delivery |
| <input type="checkbox"/> Certified Mail Restricted Delivery | <input type="checkbox"/> Signature Confirmation™ |
| <input type="checkbox"/> Collect on Delivery | <input type="checkbox"/> Signature Confirmation Restricted Delivery |
| <input type="checkbox"/> Collect on Delivery Restricted Delivery | |
| <input type="checkbox"/> Insured Mail | |
| <input type="checkbox"/> Registered Mail Restricted Delivery (over \$500) | |

PS Form 3811, July 2020 PSN 7530-02-000-9053

Domestic Return Receipt

9589 0710 5270 1115 7537 89

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For delivery information, visit our website at www.usps.com®.

Georgetown, TX 78626

OFFICIAL USE

| | | |
|--|---------------|------|
| Certified Mail Fee | \$4.35 | 0381 |
| Extra Services & Fees (check box, add fee as appropriate) | | |
| <input type="checkbox"/> Return Receipt (hardcopy) | \$0.00 | |
| <input type="checkbox"/> Return Receipt (electronic) | \$0.00 | |
| <input type="checkbox"/> Certified Mail Restricted Delivery | \$0.00 | |
| <input type="checkbox"/> Adult Signature Required | \$0.00 | |
| <input type="checkbox"/> Adult Signature Restricted Delivery | \$0.00 | |
| Postage | \$0.66 | |
| Total Postage and Fees | \$8.56 | |



Sent To **Mr. Bill Gravelle Jr**
 Street and Apt. No., or PO Box No. **710 S. Main St, SE 101**
 City, State, ZIP+4® **Georgetown, TX 78626**

Reference Well 58-10-805 - Summary Table

| Parameter | Average Conc. | Max Conc. | No. of Samples | Sample Type | Sample Date/Time |
|-------------------------------|---------------|-----------|----------------|-------------|--|
| Sulfate, mg/L | 475 | 550 | 3 | | 7/26/1995, 12:10 5/11/2007, 13:00 6/20/2011, 09:25 |
| Chloride, mg/L | 206 | 220 | 3 | | 7/26/1995, 12:10 5/11/2007, 13:00 6/20/2011, 09:25 |
| Total Dissolved Solids, mg/L | 1245 | 1262 | 2 | | 7/26/1995, 12:10 5/11/2007, 13:00 6/20/2011, 09:25 |
| pH, standard units | 7.11 | 7.27 | 3 | | 7/26/1995, 12:10 5/11/2007, 13:00 6/20/2011, 09:25 |
| Temperature*, degrees Celsius | 22.7 | 24 | 3 | | 7/26/1995, 12:10 5/11/2007, 13:00 6/20/2011, 09:25 |

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

| | |
|---|---------------------------------|
| State Well Number | 5810805 |
| County | Williamson |
| River Basin | Brazos |
| Groundwater Management Area | 8 |
| Regional Water Planning Area | G - Brazos G |
| Groundwater Conservation District | GCD Does Not Exist |
| Latitude (decimal degrees) | 30.768889 |
| Latitude (degrees minutes seconds) | 30° 46' 08" N |
| Longitude (decimal degrees) | -97.8275 |
| Longitude (degrees minutes seconds) | 097° 49' 39" W |
| Coordinate Source | Global Positioning System - GPS |
| Aquifer Code | 218TRNT - Trinity Group |
| Aquifer | Trinity |
| Aquifer Pick Method | |
| Land Surface Elevation (feet above sea level) | 1034 |
| Land Surface Elevation Method | Digital Elevation Model -DEM |
| Well Depth (feet below land surface) | 673 |
| Well Depth Source | Geophysical Log |
| Drilling Start Date | |
| Drilling End Date | 5/0/1985 |
| Drilling Method | Air Rotary |
| Borehole Completion | Open Hole |

| | |
|---|--|
| Well Type | Withdrawal of Water |
| Well Use | Domestic |
| Water Level Observation | Historical |
| Water Quality Available | Yes |
| Pump | Submersible |
| Pump Depth (feet below land surface) | |
| Power Type | Electric Motor |
| Annular Seal Method | |
| Surface Completion | |
| Owner | Oak Grove Cumberland Presbyterian Church |
| Driller | Kyle Harrison |
| Other Data Available | Electric Log |
| Well Report Tracking Number | |
| Plugging Report Tracking Number | |
| U.S. Geological Survey Site Number | |
| Texas Commission on Environmental Quality Source Id | |
| Groundwater Conservation District Well Number | |
| Owner Well Number | |
| Other Well Number | |
| Previous State Well Number | |
| Reporting Agency | Texas Water Development Board |
| Created Date | 1/8/2007 |
| Last Update Date | 3/4/2020 |

Remarks Geophysical log.

| Casing | | | | | | |
|----------------|-------------|-----------------|----------|-------|-----------------|--------------------|
| Diameter (in.) | Casing Type | Casing Material | Schedule | Gauge | Top Depth (ft.) | Bottom Depth (ft.) |
| 8 | Blank | Plastic (PVC) | | | 0 | 40 |
| | Open Hole | | | | 40 | 673 |

Well Tests - No Data

Lithology - No Data

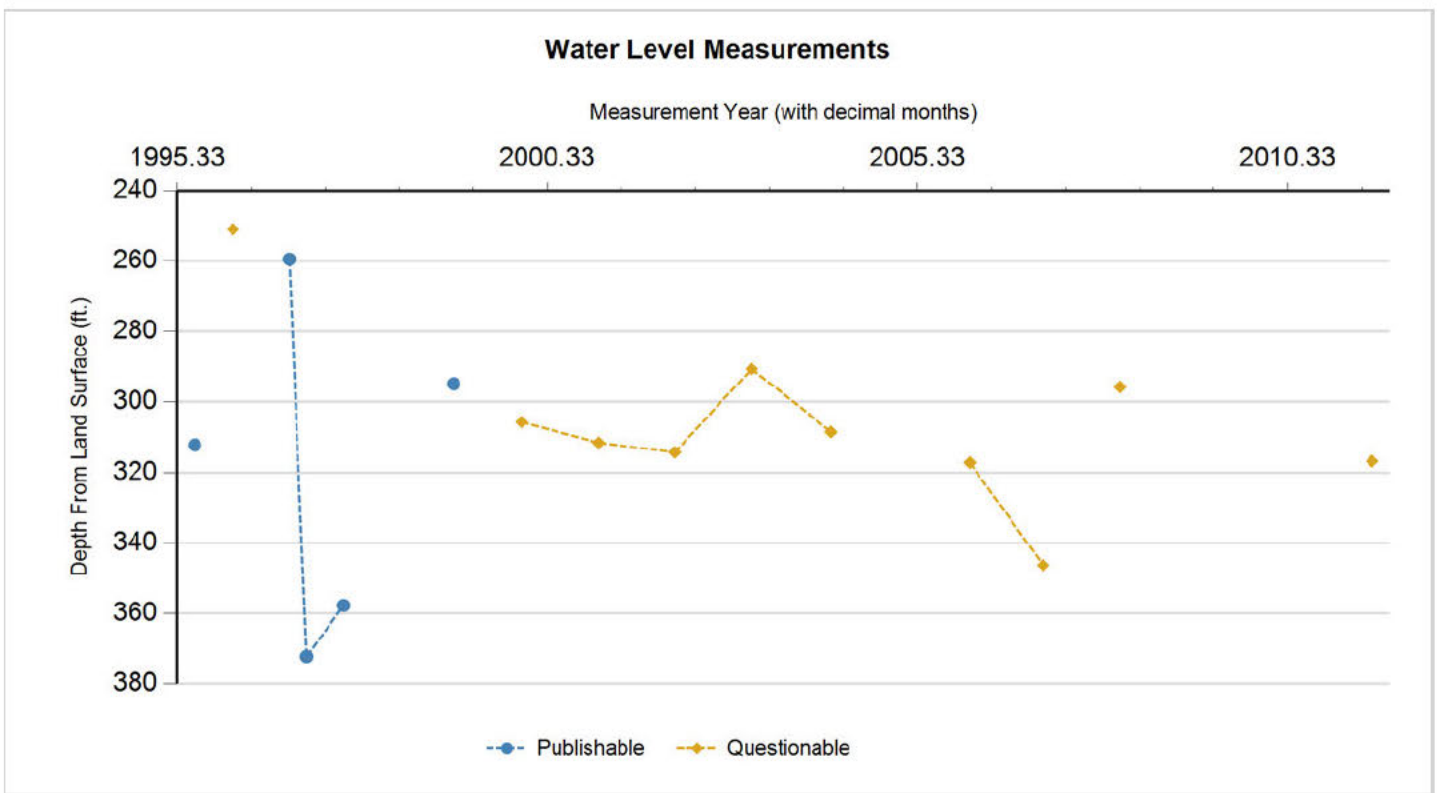
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



| Status Code | Date | Time | Water Level (ft. below land surface) | Change value in () indicates rise in level | Water Elevation (ft. above sea level) | Meas # | Measuring Agency | Method | Remark ID | Comments |
|-------------|------------|------|--------------------------------------|---|---------------------------------------|--------|-------------------------------|---------------|-----------|----------|
| P | 7/25/1995 | | 312.1 | | 721.9 | 1 | Texas Water Development Board | Steel Tape | | |
| Q | 1/29/1996 | | 251 | (61.10) | 783 | 1 | Texas Water Development Board | Steel Tape | 10 | |
| X | 8/5/1996 | | | | | 1 | Texas Water Development Board | Steel Tape | 25 | |
| P | 11/6/1996 | | 259.5 | | 774.5 | 1 | Texas Water Development Board | Steel Tape | | |
| P | 1/27/1997 | | 372.2 | 112.70 | 661.8 | 1 | Texas Water Development Board | Electric Line | | |
| P | 7/29/1997 | | 357.7 | (14.50) | 676.3 | 1 | Texas Water Development Board | Steel Tape | | |
| X | 1/8/1998 | | | | | 1 | Texas Water Development Board | Steel Tape | 25 | |
| P | 1/21/1999 | | 294.9 | | 739.1 | 1 | Texas Water Development Board | Steel Tape | | |
| Q | 12/27/1999 | | 305.6 | 10.70 | 728.4 | 1 | Texas Water Development Board | Steel Tape | 10 | |
| Q | 1/8/2001 | | 311.5 | 5.90 | 722.5 | 1 | Texas Water Development Board | Steel Tape | 10 | |
| Q | 1/16/2002 | | 314.2 | 2.70 | 719.8 | 1 | Texas Water Development Board | Steel Tape | 10 | |
| Q | 1/31/2003 | | 290.68 | (23.52) | 743.32 | 1 | Texas Water Development Board | Steel Tape | 10 | |
| Q | 2/27/2004 | | 308.41 | 17.73 | 725.59 | 1 | Texas Water Development Board | Steel Tape | 10 | |
| X | 1/28/2005 | | | | | 1 | Texas Water Development Board | Steel Tape | 22 | |
| Q | 1/11/2006 | | 317.11 | | 716.89 | 1 | Texas Water Development Board | Steel Tape | 10 | |
| Q | 1/8/2007 | | 346.25 | 29.14 | 687.75 | 1 | Texas Water Development Board | Steel Tape | 10 | |
| X | 5/11/2007 | | | | | 1 | Texas Water Development Board | Steel Tape | 22 | |
| Q | 1/23/2008 | | 295.79 | | 738.21 | 1 | Texas Water Development Board | Steel Tape | 10 | |
| X | 1/7/2009 | | | | | 1 | Texas Water Development Board | Steel Tape | 25 | |
| X | 3/26/2010 | | | | | 1 | Texas Water Development Board | Steel Tape | 25 | |
| X | 2/24/2011 | | | | | 1 | Texas Water Development Board | Steel Tape | 25 | |

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number
58-10-805

| Status Code | Date | Time | Water Level (ft. below land surface) | Change value in () indicates rise in level | Water Elevation (ft. above sea level) | Meas # | Measuring Agency | Method | Remark ID | Comments |
|-------------|-----------|------|--------------------------------------|---|---------------------------------------|--------|-------------------------------|------------|-----------|----------|
| Q | 6/20/2011 | | 316.69 | | 717.31 | 1 | Texas Water Development Board | Steel Tape | 10 | |

Code Descriptions

| Status Code | Status Description |
|-------------|--------------------|
| P | Publishable |
| Q | Questionable |
| X | No Measurement |

| Remark ID | Remark Description |
|-----------|--|
| 10 | Inconsistent or spotty tape mark due to wet or leaking casing |
| 22 | Unable to measure because tape hangs before reaching water level |
| 25 | Unable to measure due to wet or leaking casing |

Water Quality Analysis

Sample Date: 7/26/1995 **Sample Time:** 1210 **Sample Number:** 1 **Collection Entity:** Texas Water Development Board

Sampled Aquifer: Trinity Group

Analyzed Lab: TWDB Field Analysis

Reliability: Sampled using TWDB protocols but through Hach DR-2000 lab

Collection Remarks: No Data

| Parameter Code | Parameter Description | Flag | Value* | Units | Plus/Minus |
|----------------|---|------|--------|-------|------------|
| 39086 | ALKALINITY FIELD DISSOLVED AS CaCO3 | | 288 | mg/L | |
| 00415 | ALKALINITY, PHENOLPHTHALEIN (MG/L) | | 0 | mg/L | |
| 00410 | ALKALINITY, TOTAL (MG/L AS CaCO3) | | 288 | mg/L | |
| 00440 | BICARBONATE ION, CALCULATED (MG/L AS HCO3) | | 351.46 | mg/L | |
| 00910 | CALCIUM (MG/L) | | 76 | mg/L | |
| 00445 | CARBONATE ION, CALCULATED (MG/L AS CO3) | | 0 | mg/L | |
| 00940 | CHLORIDE, TOTAL (MG/L AS CL) | | 190 | mg/L | |
| 00950 | FLUORIDE, DISSOLVED (MG/L AS F) | | 2.74 | mg/L | |
| 00900 | HARDNESS, TOTAL, CALCULATED (MG/L AS CaCO3) | | 518 | mg/L | |
| 00920 | MAGNESIUM (MG/L) | | 80 | mg/L | |
| 00090 | OXIDATION REDUCTION POTENTIAL (ORP), MILLIVOLTS | | 115.3 | MV | |
| 00400 | PH (STANDARD UNITS), FIELD | | 7.27 | SU | |
| 71860 | RESIDUAL SODIUM CARBONATE, CALCULATED | | 0 | | |
| 00955 | SILICA, DISSOLVED (MG/L AS SiO2) | | 0.3 | mg/L | |
| 00094 | SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C) | | 1187 | MICR | |
| 00945 | SULFATE, TOTAL (MG/L AS SO4) | | 550 | mg/L | |
| 00010 | TEMPERATURE, WATER (CELSIUS) | | 24 | C | |

Water Quality Analysis

Sample Date: 5/11/2007 **Sample Time:** 1300 **Sample Number:** 1 **Collection Entity:** Texas Water Development Board

Sampled Aquifer: Trinity Group

Analyzed Lab: Energy Labs Inc.

Reliability: Sampled using TWDB protocols

Collection Remarks: No Data

| Parameter Code | Parameter Description | Flag | Value* | Units | Plus/Minus |
|----------------|---|------|--------|-------|------------|
| 39086 | ALKALINITY FIELD DISSOLVED AS CaCO3 | | 265 | mg/L | |
| 00415 | ALKALINITY, PHENOLPHTHALEIN (MG/L) | < | 1 | mg/L | |
| 00410 | ALKALINITY, TOTAL (MG/L AS CaCO3) | | 270 | mg/L | |
| 01106 | ALUMINUM, DISSOLVED (UG/L AS AL) | < | 1 | ug/L | |
| 01095 | ANTIMONY, DISSOLVED (UG/L AS SB) | < | 1 | ug/L | |
| 01000 | ARSENIC, DISSOLVED (UG/L AS AS) | < | 1 | ug/L | |
| 01005 | BARIUM, DISSOLVED (UG/L AS BA) | | 20 | ug/L | |
| 01010 | BERYLLIUM, DISSOLVED (UG/L AS BE) | < | 1 | ug/L | |
| 00440 | BICARBONATE ION, CALCULATED (MG/L AS HCO3) | | 329.49 | mg/L | |
| 01020 | BORON, DISSOLVED (UG/L AS B) | | 6080 | ug/L | |
| 71870 | BROMIDE, DISSOLVED, (MG/L AS BR) | | 2.01 | mg/L | |
| 01025 | CADMIUM, DISSOLVED (UG/L AS CD) | < | 1 | ug/L | |
| 00915 | CALCIUM, DISSOLVED (MG/L AS CA) | | 66.9 | mg/L | |
| 00445 | CARBONATE ION, CALCULATED (MG/L AS CO3) | | 0 | mg/L | |
| 00941 | CHLORIDE, DISSOLVED (MG/L AS CL) | | 208 | mg/L | |
| 01030 | CHROMIUM, DISSOLVED (UG/L AS CR) | | 1 | ug/L | |
| 01035 | COBALT, DISSOLVED (UG/L AS CO) | < | 1 | ug/L | |
| 01040 | COPPER, DISSOLVED (UG/L AS CU) | < | 1 | ug/L | |
| 00950 | FLUORIDE, DISSOLVED (MG/L AS F) | | 3.8 | mg/L | |
| 00900 | HARDNESS, TOTAL, CALCULATED (MG/L AS CaCO3) | | 509 | mg/L | |
| 01046 | IRON, DISSOLVED (UG/L AS FE) | < | 30 | ug/L | |
| 01049 | LEAD, DISSOLVED (UG/L AS PB) | < | 1 | ug/L | |
| 01130 | LITHIUM, DISSOLVED (UG/L AS LI) | | 184 | ug/L | |
| 00925 | MAGNESIUM, DISSOLVED (MG/L AS MG) | | 77.7 | mg/L | |
| 01056 | MANGANESE, DISSOLVED (UG/L AS MN) | | 2 | ug/L | |
| 01060 | MOLYBDENUM, DISSOLVED (UG/L AS MO) | < | 1 | ug/L | |
| 71851 | NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3) | | 3.1 | mg/L | |
| 00631 | NITRITE PLUS NITRATE, DISSOLVED (MG/L AS N) | | 0.7 | mg/L | |
| 00400 | PH (STANDARD UNITS), FIELD | | 7.15 | SU | |
| 00935 | POTASSIUM, DISSOLVED (MG/L AS K) | | 34.8 | mg/L | |
| 71860 | RESIDUAL SODIUM CARBONATE, CALCULATED | | 0 | | |
| 01145 | SELENIUM, DISSOLVED (UG/L AS SE) | | 3 | ug/L | |
| 00955 | SILICA, DISSOLVED (MG/L AS SiO2) | | 11.4 | mg/L | |
| 00931 | SODIUM ADSORPTION RATIO, CALCULATED (SAR) | | 4.47 | | |
| 00932 | SODIUM, CALCULATED, PERCENT | | 50 | PCT | |
| 00930 | SODIUM, DISSOLVED (MG/L AS NA) | | 227 | mg/L | |

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number
58-10-805

| Parameter Code | Parameter Description | Flag | Value* | Units | Plus/Minus |
|----------------|---|------|--------|-------|------------|
| 00094 | SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C) | | 1985 | MICR | |
| 01080 | STRONTIUM, DISSOLVED (UG/L AS SR) | | 18900 | ug/L | |
| 00946 | SULFATE, DISSOLVED (MG/L AS SO4) | | 448 | mg/L | |
| 00010 | TEMPERATURE, WATER (CELSIUS) | | 21.2 | C | |
| 01057 | THALLIUM, DISSOLVED (UG/L AS TL) | < | 1 | ug/L | |
| 70301 | TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L) | | 1262 | mg/L | |
| 01085 | VANADIUM, DISSOLVED (UG/L AS V) | < | 1 | ug/L | |
| 01090 | ZINC, DISSOLVED (UG/L AS ZN) | | 223 | ug/L | |

Water Quality Analysis

Sample Date: 6/20/2011 **Sample Time:** 0925 **Sample Number:** 1 **Collection Entity:** Texas Water Development Board

Sampled Aquifer: Trinity Group

Analyzed Lab: LCRA - Lower Colorado River Authority

Reliability: Sampled using TWDB protocols

Collection Remarks: Lab Calculated Anion/Cation Chg Bal set to TWDB Calculated Value due to an error in the lab calculated formula

| Parameter Code | Parameter Description | Flag | Value* | Units | Plus/Minus |
|----------------|---|------|--------|-------|------------|
| 39086 | ALKALINITY FIELD DISSOLVED AS CaCO3 | | 266 | mg/L | |
| 00415 | ALKALINITY, PHENOLPHTHALEIN (MG/L) | < | 2 | mg/L | |
| 00410 | ALKALINITY, TOTAL (MG/L AS CaCO3) | | 273 | mg/L | |
| 01503 | ALPHA, DISSOLVED (PC/L) | < | 15 | PC/L | 8.3 |
| 01106 | ALUMINUM, DISSOLVED (UG/L AS AL) | < | 4 | ug/L | |
| 50938 | ANION/CATION CHG BAL, PERCENT | | -3.39 | PCT | |
| 01095 | ANTIMONY, DISSOLVED (UG/L AS SB) | < | 1 | ug/L | |
| 01000 | ARSENIC, DISSOLVED (UG/L AS AS) | < | 2 | ug/L | |
| 01005 | BARIUM, DISSOLVED (UG/L AS BA) | | 19.7 | ug/L | |
| 01010 | BERYLLIUM, DISSOLVED (UG/L AS BE) | < | 1 | ug/L | |
| 00440 | BICARBONATE ION, CALCULATED (MG/L AS HCO3) | | 333.15 | mg/L | |
| 01020 | BORON, DISSOLVED (UG/L AS B) | | 5330 | ug/L | |
| 71870 | BROMIDE, DISSOLVED, (MG/L AS BR) | | 1.32 | mg/L | |
| 01025 | CADMIUM, DISSOLVED (UG/L AS CD) | < | 1 | ug/L | |
| 00915 | CALCIUM, DISSOLVED (MG/L AS CA) | | 61.3 | mg/L | |
| 00445 | CARBONATE ION, CALCULATED (MG/L AS CO3) | | 0 | mg/L | |
| 00941 | CHLORIDE, DISSOLVED (MG/L AS CL) | | 220 | mg/L | |
| 01030 | CHROMIUM, DISSOLVED (UG/L AS CR) | | 2.2 | ug/L | |
| 01035 | COBALT, DISSOLVED (UG/L AS CO) | < | 1 | ug/L | |
| 01040 | COPPER, DISSOLVED (UG/L AS CU) | | 3.3 | ug/L | |
| 00950 | FLUORIDE, DISSOLVED (MG/L AS F) | | 3.78 | mg/L | |
| 00900 | HARDNESS, TOTAL, CALCULATED (MG/L AS CaCO3) | | 454 | mg/L | |
| 01046 | IRON, DISSOLVED (UG/L AS FE) | | 63 | ug/L | |
| 01049 | LEAD, DISSOLVED (UG/L AS PB) | < | 1 | ug/L | |
| 01130 | LITHIUM, DISSOLVED (UG/L AS LI) | | 323 | ug/L | |
| 00925 | MAGNESIUM, DISSOLVED (MG/L AS MG) | | 67 | mg/L | |
| 01056 | MANGANESE, DISSOLVED (UG/L AS MN) | | 3.3 | ug/L | |
| 71890 | MERCURY, DISSOLVED (UG/L AS HG) | < | 0.2 | ug/L | |
| 01060 | MOLYBDENUM, DISSOLVED (UG/L AS MO) | < | 1 | ug/L | |
| 71851 | NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3) | | 2.01 | mg/L | |
| 00631 | NITRITE PLUS NITRATE, DISSOLVED (MG/L AS N) | | 0.454 | mg/L | |
| 00400 | PH (STANDARD UNITS), FIELD | | 6.91 | SU | |
| 00666 | PHOSPHORUS, DISSOLVED (MG/L AS P) | < | 0.02 | mg/L | |
| 00935 | POTASSIUM, DISSOLVED (MG/L AS K) | | 32.9 | mg/L | |
| 09511 | RADIUM 226, DISSOLVED, RADON METHOD, PC/L | | 1.1 | PC/L | 0.19 |
| 81366 | RADIUM 228, DISSOLVED (PC/L AS RA-228) | < | 1.1 | PC/L | 0.7 |

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number
58-10-805

| Parameter Code | Parameter Description | Flag | Value* | Units | Plus/Minus |
|----------------|---|------|--------|-------|------------|
| 71860 | RESIDUAL SODIUM CARBONATE, CALCULATED | | 0 | | |
| 01145 | SELENIUM, DISSOLVED (UG/L AS SE) | | 4.5 | ug/L | |
| 00955 | SILICA, DISSOLVED (MG/L AS SI02) | | 11.3 | mg/L | |
| 01075 | SILVER, DISSOLVED (UG/L AS AG) | < | 1 | ug/L | |
| 00931 | SODIUM ADSORPTION RATIO, CALCULATED (SAR) | | 4.58 | | |
| 00932 | SODIUM, CALCULATED, PERCENT | | 53 | PCT | |
| 00930 | SODIUM, DISSOLVED (MG/L AS NA) | | 218 | mg/L | |
| 00094 | SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C) | | 1803 | MICR | |
| 01080 | STRONTIUM, DISSOLVED (UG/L AS SR) | | 22200 | ug/L | |
| 00946 | SULFATE, DISSOLVED (MG/L AS SO4) | | 426 | mg/L | |
| 00010 | TEMPERATURE, WATER (CELSIUS) | | 22.8 | C | |
| 01057 | THALLIUM, DISSOLVED (UG/L AS TL) | < | 1 | ug/L | |
| 70301 | TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L) | | 1228 | mg/L | |
| 22703 | URANIUM, NATURAL, DISSOLVED (UG/L AS U) | < | 1 | ug/L | |
| 01085 | VANADIUM, DISSOLVED (UG/L AS V) | < | 1 | ug/L | |
| 01090 | ZINC, DISSOLVED (UG/L AS ZN) | | 451 | ug/L | |

* Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (<https://www.twdb.texas.gov/groundwater/data/gwdbbrpt.asp>) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

Sarah Henderson

From: Sarah Henderson
Sent: Monday, October 30, 2023 11:53 AM
To: Pickering, Brad
Cc: Chris Kozlowski; Humberto Galvan
Subject: JDS RR LLC WRPERM No. 13931 - Request for Information
Attachments: JDS RR LLC_13931_RFI_30Oct2023.pdf

Mr. Pickering,
Please find the attached letter regarding the referenced water use permit application.
A response is requested by November 29, 2023.

Feel free to contact me with any questions.

Sincerely,

Sarah

Sarah Henderson
Water Rights Permitting Team
Water Availability Division
Texas Commission on Environmental Quality
P.O. Box 13087/MC-160
Austin, TX 78711-3087
(P) 512.239.2535
(F) 512.239.4770

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Kelly Keel, *Interim Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 30, 2023

Mr. Brad Pickering, P.E., CFM
Kimley-Horn & Associates
1400 Woodloch Forest Drive, Suite 225
The Woodlands, TX 77380-1337

VIA E-MAIL

RE: JDS RR LLC
WRPERM 13931
CN606006823, RN111798641
Application No. 13931 for a Water Use Permit
Texas Water Code § 11.121, Requiring Published and Mailed Notice
Unnamed Tributary of the North Fork San Gabriel River, Brazos River Basin
Williamson County

Dear Mr. Pickering:

This acknowledges receipt, on August 25, 2023, of the referenced application.

Additional information and fees are required before the application can be declared administratively complete.

1. Provide the Applicant's mailing address as recognized by the US Postal Service.
2. Confirm the requested place of use is Williamson County, Brazos River Basin.
3. Submit a copy of the notice, with certified mail proof of delivery, sent to each governmental body of each county and municipality in which the proposed reservoirs, or any part of the reservoir, will be located, as per Title 30 Texas Administrative Code (TAC) § 295.42.

Staff acknowledges receipt of the draft notice; however, the final notice and certified mail proof of delivery is required.

4. Provide the Survey Name, Original Survey number, and Abstract number for a point on the centerline of the dam of the existing North Pond and the proposed South Pond.
5. Provide the Survey Name, Original Survey number, and Abstract number for the location of the two requested discharge points.
6. Provide temperature data in degrees Celsius for groundwater from the reference well identified as State Well No. 58-18-507. Resource Protection staff note historical water quality data was submitted by the Applicant for State Well No. 58-18-507 drawing from the Trinity aquifer; however, temperature data was not included. If temperature data is not available for the reference well, provide water chemistry information for the groundwater to be discharged from the existing onsite well that will be used in support of the application, including but not limited to the following parameters in the table below. Additional

parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. Provide the well number or identifier, depth of well, and name of the aquifer and formation from which the water is withdrawn. Complete the information below for each well.

| Parameter | Average Conc. | Max Conc. | No. of Samples | Sample Type | Sample Date/Time |
|-------------------------------|---------------|-----------|----------------|-------------|------------------|
| Sulfate, mg/L | | | | | |
| Chloride, mg/L | | | | | |
| Total Dissolved Solids, mg/L | | | | | |
| pH, standard units | | | | | |
| Temperature*, degrees Celsius | | | | | |

*Temperature must be measured on site at the time the groundwater sample is collected.

7. Remit fees in the amount of \$1,145.64 as described below. Please make checks payable to the TCEQ or Texas Commission on Environmental Quality.

| | |
|--|--------------------|
| Filing Fee (Less than 100 acre-feet) | \$ 100.00 |
| Recording Fee | \$ 25.00 |
| Storage Fee (\$1.00 x 23.3 acre-feet) | \$ 23.30 |
| <u>Notice Fee (Brazos River Basin)</u> | <u>\$ 997.34</u> |
| Total Fees | \$ 1,145.64 |
| <u>Fees Received</u> | <u>\$ 0.00</u> |
| Fees Due | \$ 1,145.64 |

Please provide the requested information and fees by November 29, 2023 or the application may be returned pursuant to Title 30 TAC § 281.18.

Additional information will be required prior to completion of technical review.

Provide a completed *Information Sheet: Proposed New Construction, Modification, Repair, Alteration, or Removal of a Dam*, attached, for the existing North Pond dam (including the proposed modification information) and the proposed South Pond dam.

If you have any questions concerning this matter, please contact me via email at sarah.henderson@tceq.texas.gov or by telephone at (512) 239-2535.

Sincerely,

Sarah Henderson

Sarah Henderson, Project Manager
 Water Rights Permitting Team
 Water Rights Permitting and Availability Section

Attachment



Texas Dam Safety Program, MC 174
 Field Operations Support Division, Office of Compliance and Enforcement
 Texas Commission on Environmental Quality
 P.O. Box 13087
 Austin, TX 78711

INFORMATION SHEET: PROPOSED NEW CONSTRUCTION, MODIFICATION, REPAIR, ALTERATION, OR REMOVAL OF A DAM

(PLEASE PRINT OR TYPE)

Reference 30 Texas Administrative Code, Chapter 299, Dams and Reservoirs

PLEASE CHECK ONE: New Modification Repair Removal Alteration

SECTION 1: OWNER INFORMATION

Owner's Name _____ Title _____

Organization _____

I have authorized the submittal of the final construction plans and specifications to the TCEQ Dam Safety Program according to 30 TAC Chapter 299.

_____ (Signature of Owner) _____ (Date)

Owner's Address _____

City _____ State _____ Zip Code _____

Phone Number () _____ Emergency Contact Phone () _____

Fax Number () _____ E-mail _____

Owner Code (*Please check one*): Federal (F) Local Government (L) Utility (U) Private (P) State (S)
 Other (O) please specify: _____

Dam and Reservoir Use (*Please check one*): Augmentation Diversion Domestic Erosion Control
 Evaporation Flood Control Fire Control Fish Hydroelectric Industrial
 Irrigation Mining Municipal Pollution Control Recreation Stock Water
 Settling Ponds Tailings Waste Disposal Other, please specify: _____

Engineering Firm _____

Project Engineer _____ Texas P.E. License Number _____

Engineering Firm Address _____

City _____ State _____ Zip Code _____

Phone () _____ Fax () _____

E-mail _____

SECTION 2: GENERAL INFORMATION

Name of Dam _____

Other Name(s) of Dam _____

Reservoir Name _____

Location _____ Latitude _____ Longitude _____

County _____ Stream Name _____

River Basin _____ Topographic Map No. _____

Distance and Direction from Nearest City or Town _____

TX Number _____ Water Rights Number _____

If you have questions on how to fill out this form or about the Dam Safety Program, please contact us at 512-239-5195. Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512-239-3282.

SECTION 3: INFORMATION ON DAM

Classification

Size Classification: Large Medium Small
Hazard Classification: High Significant Low
Number of People at Risk _____ Study Year _____

Type of Dam: Concrete Gravity Earthfill Rockfill Masonry Other (specify) _____

Dam Structure (dimensions to nearest tenth of foot, volume to nearest acre-foot or cubic yard, areas to nearest acre):

Spillway Height _____ ft (*natural surface of ground to bottom of emergency spillway at longitudinal centerline*)
Embankment Height _____ ft (*natural surface of ground to crest of dam at centerline*)
Structural Height _____ ft (*bottom of cutoff trench to crest of dam at centerline*)
Length of Dam _____ ft Crest Width _____ ft
Normal Pool Elevation _____ ft-MSL Principal Spillway Elevation _____ ft-MSL
Emergency Spillway Elevation _____ ft-MSL Top of Dam Elevation _____ ft-MSL
Embankment Volume _____ cu yd
Maximum Impoundment Capacity _____ ac-ft (*at top of dam*)
Normal Reservoir Capacity _____ ac-ft (*at normal or conservation pool*)
Reservoir Surface Area _____ acres (*at normal or conservation pool*)

Outlet

Outlet Diameter: _____ in ft (*check one*)
Type: _____

Principal Spillway

Type: Natural Riprap Concrete CMP RCP Other
Width (Diam.): _____ ft Capacity: _____ cfs

Emergency Spillway

Type: Natural Riprap Concrete CMP RCP Other
Width (Diam.): _____ ft Capacity: _____ cfs
Total Spillway Capacity: _____ cfs (*crest of the dam*)

SECTION 4: HYDROLOGIC INFORMATION

Required Hydrologic Criteria (% PMF) _____ % PMF Passing _____
PMF Study Year _____
Drainage Area: _____ acres, or _____ sq mi
Curve Number (AMC III condition) _____
Time of Concentration _____ hr
Peak Discharge _____ cfs
Peak Stage _____ ft-MSL
Storm Duration Causing Peak Stage _____ hr

Kimley»»Horn

August 15, 2022

Texas Commission on Environmental Quality
Water Availability Division, MC-160
12100 Park 35 Circle
Austin, TX 78753

RE: *Benton Tract Water Rights Application*

Dear TCEQ Representative:

Enclosed is an application to obtain a Water Rights Permit for a proposed project in Williamson County, Texas.

JDS RR, LLC ("JDS") is the developer of the Benton Tract residential development on a 523.52-acre property north of Ronald Reagan Boulevard in Williamson County. An existing 2.24-acre pond on the property which, if it is confirmed to be located on-channel, are currently exempt from water rights pursuant to 30 Tex. Admin. Code § 297.21. A proposed 2.43-acre pond is located approximately 750 feet north of Ronald Reagan Boulevard and will be located on-channel. As the Benton Tract development progresses, JDS's intent is to utilize the two ponds for recreation for the residential development.

This submittal package is for a water right to authorize the impoundment of state water in the ponds for recreational use. JDS will utilize a private groundwater well to supply all groundwater water to ensure water levels are maintained so that all state water passes through the impoundment. There will be no consumptive use of state water.

The following items are included with this submittal package.

- Administrative Information Checklist
- Administrative Information Report
- JDS RR, LLC Signature Authority Document
- Technical Information Report
- Worksheets: 1.0, 2.0, 4.0, 4.1, 5.0, 7.0, and 8.0
- Vicinity Map
- USGS Map
- Drainage Area Map
- Photograph Key Map and Photographs
- Property Deed
- TCEQ Dam Safety Contact
- Draft Notice to Governing Bodies
- Evaporation Calculations
- Accounting Plan

If you have any questions, please contact me at [REDACTED] or 281.475.2831.

Sincerely,



Brad Pickering, P.E., CFM

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

TCEQ WATER RIGHTS PERMITTING APPLICATION

ADMINISTRATIVE INFORMATION CHECKLIST

Complete and submit this checklist for each application. See Instructions Page. 5.

APPLICANT(S): JDS RR, LLC

Indicate whether the following items are included in your application by writing either Y (for yes) or N (for no) next to each item (all items are not required for every application).

| Y/N | | Y/N | |
|----------|--|----------|-------------------------------------|
| <u>Y</u> | Administrative Information Report | <u>Y</u> | Worksheet 3.0 |
| <u>N</u> | Additional Co-Applicant Information | <u>Y</u> | Additional W.S 3.0 for each Point |
| <u>N</u> | Additional Co-Applicant Signature Pages | <u>N</u> | Recorded Deeds for Diversion Points |
| <u>Y</u> | Written Evidence of Signature Authority | <u>N</u> | Consent For Diversion Access |
| <u>Y</u> | Technical Information Report | <u>Y</u> | Worksheet 4.0 |
| <u>Y</u> | USGS Map (or equivalent) | <u>N</u> | TPDES Permit(s) |
| <u>Y</u> | Map Showing Project Details | <u>N</u> | WWTP Discharge Data |
| <u>Y</u> | Original Photographs | <u>Y</u> | Groundwater Well Permit |
| <u>N</u> | Water Availability Analysis | <u>N</u> | Signed Water Supply Contract |
| <u>Y</u> | Worksheet 1.0 | <u>Y</u> | Worksheet 4.1 |
| <u>N</u> | Recorded Deeds for Irrigated Land | <u>Y</u> | Worksheet 5.0 |
| <u>N</u> | Consent For Irrigation Land | <u>N</u> | Addendum to Worksheet 5.0 |
| <u>N</u> | Worksheet 1.1 | <u>Y</u> | Worksheet 6.0 |
| <u>N</u> | Addendum to Worksheet 1.1 | <u>Y</u> | Water Conservation Plan(s) |
| <u>Y</u> | Worksheet 1.2 | <u>N</u> | Drought Contingency Plan(s) |
| <u>Y</u> | Additional W.S 2.0 for Each Reservoir | <u>N</u> | Documentation of Adoption |
| <u>Y</u> | Dam Safety Documents | <u>Y</u> | Worksheet 7.0 |
| <u>Y</u> | Notice(s) to Governing Bodies | <u>Y</u> | Accounting Plan |
| <u>Y</u> | Recorded Deeds for Inundated Land | <u>Y</u> | Worksheet 8.0 |
| <u>N</u> | Consent For Inundation Land | <u>Y</u> | Fees |

ADMINISTRATIVE INFORMATION REPORT

The following information is required for all new applications and amendments.

***** Applicants are strongly encouraged to schedule a pre-application meeting with TCEQ Staff to discuss Applicant's needs prior to submitting an application. Call the Water Rights Permitting Team to schedule a meeting at (512) 239-4600.**

1. TYPE OF APPLICATION (Instructions, Page. 6)

Indicate, by marking X, next to the following authorizations you are seeking.

- New Appropriation of State Water
 Amendment to a Water Right *
 Bed and Banks

****If you are seeking an amendment to an existing water rights authorization, you must be the owner of record of the authorization. If the name of the Applicant in Section 2, does not match the name of the current owner(s) of record for the permit or certificate or if any of the co-owners is not included as an applicant in this amendment request, your application could be returned. If you or a co-applicant are a new owner, but ownership is not reflected in the records of the TCEQ, submit a change of ownership request (Form TCEQ-10204) prior to submitting the application for an amendment. See Instructions page. 6. Please note that an amendment application may be returned, and the Applicant may resubmit once the change of ownership is complete.***

Please summarize the authorizations or amendments you are seeking in the space below or attach a narrative description entitled "Summary of Request."

JDS RR, LLC ("JDS") is the developer of the Benton Tract residential development on a 523.52-acre property north of Ronald Reagan Boulevard in Williamson County. An existing 2.24-acre pond on the property which, if it is confirmed to be located on-channel, are currently exempt from water rights pursuant to 30 Tex. Admin. Code § 297.21. A proposed 2.43-acre pond is located approximately 750 feet north of Ronald Reagan Boulevard and will be located on-channel. As the Benton Tract development progresses, JDS's intent is to utilize the two ponds for recreation for the residential development. This submittal package is for a water right to authorize the impoundment of state water in the ponds for recreational use. JDS will utilize a private groundwater well to supply all groundwater water to ensure water levels are maintained so that all state water passes through the impoundment. There will be no consumptive use of state water. In the event groundwater is not available on a temporary basis, all inflows of state water would be passed so that no state water would be impounded.

2. APPLICANT INFORMATION (Instructions, Page. 6)

a. Applicant

Indicate the number of Applicants/Co-Applicants 1
(Include a copy of this section for each Co-Applicant, if any)

What is the Full Legal Name of the individual or entity (applicant) applying for this permit?

(If the Applicant is an entity, the legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal documents forming the entity.)

If the applicant is currently a customer with the TCEQ, what is the Customer Number (CN)?
You may search for your CN on the TCEQ website at

<http://www15.tceq.texas.gov/crpub/index.cfm?fuseaction=cust.CustSearch>

CN : 606006823 (leave blank if you do not yet have a CN).

What is the name and title of the person or persons signing the application? Unless an application is signed by an individual applicant, the person or persons must submit written evidence that they meet the signatory requirements in 30 TAC § 295.14.

First/Last Name: [Redacted]

Title: Authorized Agent

Have you provided written evidence meeting the signatory requirements in 30 TAC § 295.14, as an attachment to this application? Y/N Y

What is the applicant’s mailing address as recognized by the US Postal Service (USPS)? You may verify the address on the USPS website at

<https://tools.usps.com/go/ZipLookupAction!input.action>.

Name: JDS RR, LLC

Mailing Address: [Redacted]

City: [Redacted] State: [Redacted] ZIP Code: [Redacted]

Indicate an X next to the type of Applicant:

- Individual
- Partnership
- Trust
- Federal Government
- County Government
- Other Government
- Sole Proprietorship-D.B.A.
- Corporation
- Estate
- State Government
- City Government
- Other Limited Liability Company

For Corporations or Limited Partnerships, provide:

State Franchise Tax ID Number: [Redacted] SOS Charter (filing) Number: _____

3. APPLICATION CONTACT INFORMATION (Instructions, Page. 9)

If the TCEQ needs additional information during the review of the application, who should be contacted? Applicant may submit their own contact information if Applicant wishes to be the point of contact.

First and Last Name: Brad Pickering

Title: Professional Engineer

Organization Name: Kimley-Horn & Associates

Mailing Address: 1400 Woodloch Forest Drive, Suite 225

City: The Woodlands State: Texas ZIP Code: 77380

Phone Number: 281.475.2831

Fax Number: N/A

E-mail Address: [REDACTED]

**4. WATER RIGHT CONSOLIDATED CONTACT INFORMATION
(Instructions, Page. 9)**

This section applies only if there are multiple Owners of the same authorization. Unless otherwise requested, Co-Owners will each receive future correspondence from the Commission regarding this water right (after a permit has been issued), such as notices and water use reports. Multiple copies will be sent to the same address if Co-Owners share the same address. Complete this section if there will be multiple owners and all owners agree to let one owner receive correspondence from the Commission. Leave this section blank if you would like all future notices to be sent to the address of each of the applicants listed in section 2 above.

I/We authorize all future notices be received on my/our behalf at the following:

First and Last Name: _____

Title: _____

Organization Name: _____

Mailing Address: _____

City: _____ State: _____ ZIP Code: _____

Phone Number: _____

Fax Number: _____

E-mail Address: _____

NOT APPLICABLE - SINGLE OWNER

5. MISCELLANEOUS INFORMATION (Instructions, Page. 9)

a. The application will not be processed unless all delinquent fees and/or penalties owed to the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and Penalty Protocol by all applicants/co-applicants. If you need assistance determining whether you owe delinquent penalties or fees, please call the Water Rights Permitting Team at (512) 239-4600, prior to submitting your application.

1. Does Applicant or Co-Applicant owe any fees to the TCEQ? Yes / No **No**

If **yes**, provide the following information:

Account number: _____ Amount past due: _____

2. Does Applicant or Co-Applicant owe any penalties to the TCEQ? Yes / No **No**

If **yes**, please provide the following information:

Enforcement order number: _____ Amount past due: _____

b. If the Applicant is a taxable entity (corporation or limited partnership), the Applicant must be in good standing with the Comptroller or the right of the entity to transact business in the State may be forfeited. See Texas Tax Code, Subchapter F. Applicants may check their status with the Comptroller at <https://mycpa.cpa.state.tx.us/coa/>

Is the Applicant or Co-Applicant in good standing with the Comptroller? Yes / No **Yes**

c. The commission will not grant an application for a water right unless the applicant has submitted all Texas Water Development Board (TWDB) surveys of groundwater and surface water use - if required. See TWC §16.012(m) and 30 TAC § 297.41(a)(5). Applicants should check survey status on the TWDB website prior to filing:

https://www3.twdb.texas.gov/apps/reports/WU/SurveyStatus_PriorThreeYears

Applicant has submitted all required TWDB surveys of groundwater and surface water?

Yes / No **Yes; not required**

6. SIGNATURE PAGE (Instructions, Page. 11)

Applicant:

I, L. Michael Cox
(Typed or printed name)

Presiden/Authorized Agent
(Title)

certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I further certify that I am authorized under Title 30 Texas Administrative Code §295.14 to sign and submit this document and I have submitted written evidence of my signature authority.

Signature: [Handwritten Signature]
(Use blue ink)

Date: 8/10/23

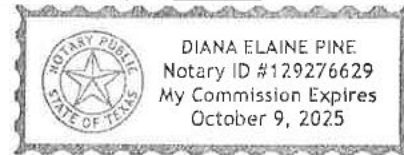
Subscribed and Sworn to before me by the said

on this 10th day of August, 2023.

My commission expires on the 9th day of October, 2025.

Notary Public

Diana Elaine Pine



[SEAL]

Harris
County, Texas

If the Application includes Co-Applicants, each Applicant and Co-Applicant must submit an original, separate signature page

**WRITTEN CONSENT OF THE MANAGER OF
JDS RR LLC**

August 10, 2023

The undersigned, being the sole Manager of JDS RR LLC, a Texas limited liability company (the “**Company**”), hereby waives any and all notice and requirements for the holding of a meeting of the sole Manager and takes the following actions and adopts the following resolutions by signing this written consent (this “**Consent**”).

WHEREAS, the undersigned has been presented with that certain TCEQ Water Rights Permitting Application, together with an Administrative Information Checklist and Administrative Information Report, in connection therewith, and all other applications, reports, consents, agreements, certificates, instruments, and documents related to or in connection therewith (collectively, the “**TCEQ Application**”); and

WHEREAS, the sole Manager of the Company deems it advisable and in the best interests of the Company to complete, execute, deliver, and file, as applicable, the TCEQ Application, substantially in the form presented to the undersigned.

NOW THEREFORE, let it be:

RESOLVED, that the Company be, and hereby is, authorized to complete, execute, deliver, and file, as applicable, the TCEQ Application, and that the form, information, terms, and provisions of the TCEQ Application, including any and all attachments and ancillary documents, be, and hereby are, approved;

RESOLVED, that L. Michael Cox, as Authorized Agent of the Company (the “**Authorized Agent**”) be, and hereby is, authorized, empowered, and directed to complete, execute, deliver, and file, as applicable, the TCEQ Application, including any and all attachments and ancillary documents thereto, in the name of and on behalf of the Company with such additions, deletions or changes therein as the Authorized Agent approves (the execution and delivery thereof by the Authorized Agent to be conclusive evidence of his approval of any such additions, deletions or changes);

RESOLVED, that the Authorized Agent be, and hereby is, authorized, directed, and empowered to take all such further action, complete, execute, deliver, and file, as applicable, all such further applications, reports, consents, agreements, certificates, instruments, and documents, and pay or cause to be paid all expenses, in each case in the name and on behalf of the Company and in each case as the Authorized Agent may deem necessary, desirable, advisable, or appropriate to consummate, effectuate, carry out, or further the intent and purposes of all of the foregoing resolutions; and that the taking of each such action, the completion, execution, delivery, and filing, as applicable, of each such application, report, consent, agreement, certificate, instrument, and document, and the payment of each such expense will be conclusive evidence of its necessity, desirability, advisability, and appropriateness; and

RESOLVED, that the omission from these resolutions of any agreement or other arrangement contemplated by any of the applications, reports, consents, agreements, certificates, instruments, or documents described in the foregoing resolutions or any action to be taken in accordance with any requirements of any of the agreements or instruments described in the foregoing resolutions shall in no manner derogate from the authority of the Authorized Agent to take all actions necessary, desirable, advisable, or appropriate to consummate, effectuate, carry out, or further the intent and purposes of all of the foregoing resolutions.

An executed copy of this Consent shall be filed with the minutes of the proceedings of the sole Manager.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the undersigned sole Manager has duly executed this Consent to be effective as of the date first written above.

SOLE MANAGER:

MEMORIAL DEVELOPMENT SERVICES, INC.
a Texas corporation

By: _____

L. Michael Cox
President



TECHNICAL INFORMATION REPORT

WATER RIGHTS PERMITTING

This Report is required for applications for new or amended water rights. Based on the Applicant's responses below, Applicants are directed to submit additional Worksheets (provided herein). A completed Administrative Information Report is also required for each application.

Applicants are REQUIRED to schedule a pre-application meeting with TCEQ Permitting Staff to discuss Applicant's needs and to confirm information necessary for an application prior to submitting such application. Please contact the Water Availability Division at (512) 239-4600 or WRPT@tceq.texas.gov to schedule a meeting.

Date of pre-application meeting: 06/13/2023

1. New or Additional Appropriations of State Water. Texas Water Code (TWC) § 11.121 (Instructions, Page. 12)

State Water is: *The water of the ordinary flow, underflow, and tides of every flowing river, natural stream, and lake, and of every bay or arm of the Gulf of Mexico, and the storm water, floodwater, and rainwater of every river, natural stream, canyon, ravine, depression, and watershed in the state. TWC § 11.021.*

- a. Applicant requests a new appropriation (diversion or impoundment) of State Water? Y / N Y
- b. Applicant requests an amendment to an existing water right requesting an increase in the appropriation of State Water or an increase of the overall or maximum combined diversion rate? Y / N N (If yes, indicate the Certificate or Permit number: _____)

If Applicant answered yes to (a) or (b) above, does Applicant also wish to be considered for a term permit pursuant to TWC § 11.1381? Y / N N

- c. Applicant requests to extend an existing Term authorization or to make the right permanent? Y / N N (If yes, indicate the Term Certificate or Permit number: _____)

If Applicant answered yes to (a), (b) or (c), the following worksheets and documents are required:

- **Worksheet 1.0 – Quantity, Purpose, and Place of Use Information Worksheet**
- **Worksheet 2.0 - Impoundment/Dam Information Worksheet** (submit one worksheet for each impoundment or reservoir requested in the application)
- **Worksheet 3.0 - Diversion Point Information Worksheet** (submit one worksheet for each diversion point and/or one worksheet for the upstream limit and one worksheet for the downstream limit of each diversion reach requested in the application)
- **Worksheet 5.0 – Environmental Information Worksheet**
- **Worksheet 6.0 – Water Conservation Information Worksheet**
- **Worksheet 7.0 – Accounting Plan Information Worksheet**
- **Worksheet 8.0 – Calculation of Fees**
- **Fees calculated on Worksheet 8.0 – see instructions Page. 34.**
- **Maps – See instructions Page. 15.**
- **Photographs - See instructions Page. 30.**

Additionally, if Applicant wishes to submit an alternate source of water for the project/authorization, see Section 3, Page 3 for Bed and Banks Authorizations (Alternate sources may include groundwater, imported water, contract water or other sources).

Additional Documents and Worksheets may be required (see within).

2. Amendments to Water Rights. TWC § 11.122 (Instructions, Page. 12)

This section should be completed if Applicant owns an existing water right and Applicant requests to amend the water right. *If Applicant is not currently the Owner of Record in the TCEQ Records, Applicant must submit a Change of Ownership Application (TCEQ-10204) prior to submitting the amendment Application or provide consent from the current owner to make the requested amendment. If the application does not contain consent from the current owner to make the requested amendment, TCEQ will not begin processing the amendment application until the Change of Ownership has been completed and will consider the Received Date for the application to be the date the Change of Ownership is completed. See instructions page. 6.*

Water Right (Certificate or Permit) number you are requesting to amend: N/A

Applicant requests to sever and combine existing water rights from one or more Permits or Certificates into another Permit or Certificate? Y / N _____ (if yes, complete chart below):

| List of water rights to sever | Combine into this ONE water right |
|-------------------------------|-----------------------------------|
| | |

a. Applicant requests an amendment to an existing water right to increase the amount of the appropriation of State Water (diversion and/or impoundment)? Y / N _____

If yes, application is a new appropriation for the increased amount, complete Section 1 of this Report (PAGE. 1) regarding New or Additional Appropriations of State Water.

b. Applicant requests to amend existing Term authorization to extend the term or make the water right permanent (remove conditions restricting water right to a term of years)? Y / N _____

If yes, application is a new appropriation for the entire amount, complete Section 1 of this Report (PAGE. 1) regarding New or Additional Appropriations of State Water.

c. Applicant requests an amendment to change the purpose or place of use or to add an additional purpose or place of use to an existing Permit or Certificate? Y / N _____
If yes, submit:

- **Worksheet 1.0 - Quantity, Purpose, and Place of Use Information Worksheet**
- **Worksheet 1.2 - Notice: "Marshall Criteria"**

d. Applicant requests to change: diversion point(s); or reach(es); or diversion rate? Y / N _____
If yes, submit:

- **Worksheet 3.0 - Diversion Point Information Worksheet** (submit one worksheet for each diversion point or one worksheet for the upstream limit and one worksheet for the downstream limit of each diversion reach)
- **Worksheet 5.0 - Environmental Information** (Required for any new diversion points that are not already authorized in a water right)

e. Applicant requests amendment to add or modify an impoundment, reservoir, or dam? Y / N _____

If yes, submit: Worksheet 2.0 - Impoundment/Dam Information Worksheet (submit one worksheet for each impoundment or reservoir)

- f. Other - Applicant requests to change any provision of an authorization not mentioned above? Y / N_____ *If yes, call the Water Availability Division at (512) 239-4600 to discuss.*

Additionally, all amendments require:

- **Worksheet 8.0 – Calculation of Fees; and Fees calculated – see instructions Page. 34**
- **Maps – See instructions Page. 15.**
- **Additional Documents and Worksheets may be required (see within).**

3. Bed and Banks. TWC § 11.042 (Instructions, Page 13)

- a. Pursuant to contract, Applicant requests authorization to convey, stored or conserved water to the place of use or diversion point of purchaser(s) using the bed and banks of a watercourse? TWC § 11.042(a). Y/N_____

If yes, submit a signed copy of the Water Supply Contract pursuant to 30 TAC §§ 295.101 and 297.101. Further, if the underlying Permit or Authorization upon which the Contract is based does not authorize Purchaser's requested Quantity, Purpose or Place of Use, or Purchaser's diversion point(s), then either:

- 1. Purchaser must submit the worksheets required under Section 1 above with the Contract Water identified as an alternate source; or*
- 2. Seller must amend its underlying water right under Section 2.*

- b. Applicant requests to convey water imported into the state from a source located wholly outside the state using the bed and banks of a watercourse? TWC § 11.042(a-1). Y / N_____

If yes, submit worksheets 1.0, 2.0, 3.0, 4.0, 5.0, 7.0, 8.0, Maps and fees from the list below.

- c. Applicant requests to convey Applicant's own return flows derived from privately owned groundwater using the bed and banks of a watercourse? TWC § 11.042(b). Y / N_____

If yes, submit worksheets 1.0, 2.0, 3.0, 4.0, 5.0, 7.0, 8.0, Maps, and fees from the list below.

- d. Applicant requests to convey Applicant's own return flows derived from surface water using the bed and banks of a watercourse? TWC § 11.042(c). Y / N_____

If yes, submit worksheets 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, Maps, and fees from the list below.

****Please note, if Applicant requests the reuse of return flows belonging to others, the Applicant will need to submit the worksheets and documents under Section 1 above, as the application will be treated as a new appropriation subject to termination upon direct or indirect reuse by the return flow discharger/owner.***

- e. Applicant requests to convey water from any other source, other than (a)-(d) above, using the bed and banks of a watercourse? TWC § 11.042(c). Y / N_____

If yes, submit worksheets 1.0, 2.0, 3.0, 4.0, 5.0, 7.0, 8.0, Maps, and fees from the list below.

Worksheets and information:

- **Worksheet 1.0 – Quantity, Purpose, and Place of Use Information Worksheet**
- **Worksheet 2.0 - Impoundment/Dam Information Worksheet** (submit one worksheet for each impoundment or reservoir owned by the applicant through which water will be conveyed or diverted)
- **Worksheet 3.0 - Diversion Point Information Worksheet** (submit one worksheet for the downstream limit of each diversion reach for the proposed conveyances)

- **Worksheet 4.0 – Discharge Information Worksheet** (for each discharge point)
- **Worksheet 5.0 – Environmental Information Worksheet**
- **Worksheet 6.0 – Water Conservation Information Worksheet**
- **Worksheet 7.0 – Accounting Plan Information Worksheet**
- **Worksheet 8.0 – Calculation of Fees; and Fees calculated – see instructions Page. 34**
- **Maps – See instructions Page. 15.**
- **Additional Documents and Worksheets may be required (see within).**

4. **General Information, Response Required for all Water Right Applications (Instructions, Page 15)**

- a. Provide information describing how this application addresses a water supply need in a manner that is consistent with the state water plan or the applicable approved regional water plan for any area in which the proposed appropriation is located or, in the alternative, describe conditions that warrant a waiver of this requirement (*not required for applications to use groundwater-based return flows*). Include citations or page numbers for the State and Regional Water Plans, if applicable. Provide the information in the space below or submit a supplemental sheet entitled “Addendum Regarding the State and Regional Water Plans”:

Williamson County is part of Region G in the State's water plan. The application proposes use of a groundwater well to replace water loss due to evaporation. This approach is consistent with the 2022 State Water Plan which recommends groundwater wells as a way to meet water supply needs (see e.g., Chapter 6, P. 84). In addition, the application is consistent with the State Water Plan and Regional Water Plan because there is nothing in the plans that conflict with the application.

- b. Did the Applicant perform its own Water Availability Analysis? Y / N N

If the Applicant performed its own Water Availability Analysis, provide electronic copies of any modeling files and reports.

- c. Does the application include required Maps? (Instructions Page. 15) Y / N Y

WORKSHEET 1.0

Quantity, Purpose and Place of Use

1. New Authorizations (Instructions, Page. 16)

Submit the following information regarding quantity, purpose and place of use for requests for new or additional appropriations of State Water or Bed and Banks authorizations:

| | Quantity (acre-foot) <i>(Include losses for Bed and Banks)</i> | State Water Source (River Basin) or Alternate Source <i>*each alternate source (and new appropriation based on return flows of others) also requires completion of Worksheet 4.0</i> | Purpose(s) of Use | Place(s) of Use <i>*requests to move state water out of basin also require completion of Worksheet 1.1 Interbasin Transfer</i> |
|-------|---|--|-------------------------------|---|
| North | 11.0 | Trinity Aquifer | Recreation/On-Channel Storage | Proposed Pond |
| South | 12.3 | Trinity Aquifer | Recreation/On-Channel Storage | Proposed Pond |
| | | | | |

23.3 Total amount of water (in acre-feet) to be used annually (*include losses for Bed and Banks applications*)

If the Purpose of Use is Agricultural/Irrigation for any amount of water, provide: **N/A**

a. Location Information Regarding the Lands to be Irrigated

- i) Applicant proposes to irrigate a total of _____ acres in any one year. This acreage is all of or part of a larger tract(s) which is described in a supplement attached to this application and contains a total of _____ acres in _____ County, TX.
- ii) Location of land to be irrigated: In the _____ Original Survey No. _____, Abstract No. _____.

A copy of the deed(s) or other acceptable instrument describing the overall tract(s) with the recording information from the county records must be submitted. Applicant's name must match deeds.

If the Applicant is not currently the sole owner of the lands to be irrigated, Applicant must submit documentation evidencing consent or other documentation supporting Applicant's right to use the land described.

Water Rights for Irrigation may be appurtenant to the land irrigated and convey with the land unless reserved in the conveyance. 30 TAC § 297.81.

2. Amendments - Purpose or Place of Use (Instructions, Page. 12)

- a. Complete this section for each requested amendment changing, adding, or removing Purpose(s) or Place(s) of Use, complete the following: **N/A**

| Quantity (acre-feet) | Existing Purpose(s) of Use | Proposed Purpose(s) of Use* | Existing Place(s) of Use | Proposed Place(s) of Use** |
|----------------------|----------------------------|-----------------------------|--------------------------|----------------------------|
| | | | | |
| | | | | |
| | | | | |

**If the request is to add additional purpose(s) of use, include the existing and new purposes of use under "Proposed Purpose(s) of Use."*

***If the request is to add additional place(s) of use, include the existing and new places of use under "Proposed Place(s) of Use."*

Changes to the purpose of use in the Rio Grande Basin may require conversion. 30 TAC § 303.43.

- b. For any request which adds Agricultural purpose of use or changes the place of use for Agricultural rights, provide the following location information regarding the lands to be irrigated: **N/A**
- i. Applicant proposes to irrigate a total of _____ acres in any one year. This acreage is all of or part of a larger tract(s) which is described in a supplement attached to this application and contains a total of _____ acres in _____ County, TX.
 - ii. Location of land to be irrigated: In the _____ Original Survey No. _____, Abstract No. _____.

A copy of the deed(s) describing the overall tract(s) with the recording information from the county records must be submitted. Applicant's name must match deeds. If the Applicant is not currently the sole owner of the lands to be irrigated, Applicant must submit documentation evidencing consent or other legal right for Applicant to use the land described.

Water Rights for Irrigation may be appurtenant to the land irrigated and convey with the land unless reserved in the conveyance. 30 TAC § 297.81.

- c. Submit Worksheet 1.1, Interbasin Transfers, for any request to change the place of use which moves State Water to another river basin. **N/A**
- d. See Worksheet 1.2, Marshall Criteria, and submit if required. **N/A**
- e. See Worksheet 6.0, Water Conservation/Drought Contingency, and submit if required. **N/A**

WORKSHEET 1.1

INTERBASIN TRANSFERS, TWC § 11.085

N/A

Submit this worksheet for an application for a new or amended water right which requests to transfer State Water from its river basin of origin to use in a different river basin. A river basin is defined and designated by the Texas Water Development Board by rule pursuant to TWC § 16.051.

Applicant requests to transfer State Water to another river basin within the State? Y / N_____

1. Interbasin Transfer Request (Instructions, Page. 20)

- a. Provide the Basin of Origin. _____
- b. Provide the quantity of water to be transferred (acre-feet). _____
- c. Provide the Basin(s) and count(y/ies) where use will occur in the space below:

2. Exemptions (Instructions, Page. 20), TWC § 11.085(v)

Certain interbasin transfers are exempt from further requirements. Answer the following:

- a. The proposed transfer, which in combination with any existing transfers, totals less than 3,000 acre-feet of water per annum from the same water right. Y/N__
- b. The proposed transfer is from a basin to an adjoining coastal basin? Y/N__
- c. The proposed transfer from the part of the geographic area of a county or municipality, or the part of the retail service area of a retail public utility as defined by Section 13.002, that is within the basin of origin for use in that part of the geographic area of the county or municipality, or that contiguous part of the retail service area of the utility, not within the basin of origin? Y/N__
- d. The proposed transfer is for water that is imported from a source located wholly outside the boundaries of Texas, except water that is imported from a source located in the United Mexican States? Y/N__

3. Interbasin Transfer Requirements (Instructions, Page. 20)

For each Interbasin Transfer request that is not exempt under any of the exemptions listed above Section 2, provide the following information in a supplemental attachment titled "Addendum to Worksheet 1.1, Interbasin Transfer":

- a. the contract price of the water to be transferred (if applicable) (also include a copy of the contract or adopted rate for contract water);
- b. a statement of each general category of proposed use of the water to be transferred and a detailed description of the proposed uses and users under each category;
- c. the cost of diverting, conveying, distributing, and supplying the water to, and treating the water for, the proposed users (example - expert plans and/or reports documents may be provided to show the cost);

- d. describe the need for the water in the basin of origin and in the proposed receiving basin based on the period for which the water supply is requested, but not to exceed 50 years (the need can be identified in the most recently approved regional water plans. The state and regional water plans are available for download at this website: (<http://www.twdb.texas.gov/waterplanning/swp/index.asp>);
- e. address the factors identified in the applicable most recently approved regional water plans which address the following:
 - (i) the availability of feasible and practicable alternative supplies in the receiving basin to the water proposed for transfer;
 - (ii) the amount and purposes of use in the receiving basin for which water is needed;
 - (iii) proposed methods and efforts by the receiving basin to avoid waste and implement water conservation and drought contingency measures;
 - (iv) proposed methods and efforts by the receiving basin to put the water proposed for transfer to beneficial use;
 - (v) the projected economic impact that is reasonably expected to occur in each basin as a result of the transfer; and
 - (vi) the projected impacts of the proposed transfer that are reasonably expected to occur on existing water rights, instream uses, water quality, aquatic and riparian habitat, and bays and estuaries that must be assessed under Sections 11.147, 11.150, and 11.152 in each basin (*if applicable*). If the water sought to be transferred is currently authorized to be used under an existing permit, certified filing, or certificate of adjudication, such impacts shall only be considered in relation to that portion of the permit, certified filing, or certificate of adjudication proposed for transfer and shall be based on historical uses of the permit, certified filing, or certificate of adjudication for which amendment is sought;
- f. proposed mitigation or compensation, if any, to the basin of origin by the applicant; and
- g. the continued need to use the water for the purposes authorized under the existing Permit, Certified Filing, or Certificate of Adjudication, if an amendment to an existing water right is sought.

WORKSHEET 1.2 NOTICE. “THE MARSHALL CRITERIA”

N/A

This worksheet assists the Commission in determining notice required for certain **amendments** that do not already have a specific notice requirement in a rule for that type of amendment, and *that do not change the amount of water to be taken or the diversion rate*. The worksheet provides information that Applicant **is required** to submit for amendments such as certain amendments to special conditions or changes to off-channel storage. These criteria address whether the proposed amendment will impact other water right holders or the on-stream environment beyond and irrespective of the fact that the water right can be used to its full authorized amount.

*This worksheet is **not required for Applications in the Rio Grande Basin** requesting changes in the purpose of use, rate of diversion, point of diversion, and place of use for water rights held in and transferred within and between the mainstems of the Lower Rio Grande, Middle Rio Grande, and Amistad Reservoir. See 30 TAC § 303.42.*

*This worksheet is **not required for amendments which are only changing or adding diversion points, or request only a bed and banks authorization or an IBT authorization**. However, Applicants may wish to submit the Marshall Criteria to ensure that the administrative record includes information supporting each of these criteria*

1. The “Marshall Criteria” (Instructions, Page. 21)

Submit responses on a supplemental attachment titled “Marshall Criteria” in a manner that conforms to the paragraphs (a) – (g) below:

- a. Administrative Requirements and Fees. Confirm whether application meets the administrative requirements for an amendment to a water use permit pursuant to TWC Chapter 11 and Title 30 Texas Administrative Code (TAC) Chapters 281, 295, and 297. An amendment application should include, but is not limited to, a sworn application, maps, completed conservation plan, fees, etc.
- b. Beneficial Use. Discuss how proposed amendment is a beneficial use of the water as defined in TWC § 11.002 and listed in TWC § 11.023. Identify the specific proposed use of the water (e.g., road construction, hydrostatic testing, etc.) for which the amendment is requested.
- c. Public Welfare. Explain how proposed amendment is not detrimental to the public welfare. Consider any public welfare matters that might be relevant to a decision on the application. Examples could include concerns related to the well-being of humans and the environment.
- d. Groundwater Effects. Discuss effects of proposed amendment on groundwater or groundwater recharge.

- e. State Water Plan. Describe how proposed amendment addresses a water supply need in a manner that is consistent with the state water plan or the applicable approved regional water plan for any area in which the proposed appropriation is located or, in the alternative, describe conditions that warrant a waiver of this requirement. The state and regional water plans are available for download at:
<http://www.twdb.texas.gov/waterplanning/swp/index.asp>.
- f. Waste Avoidance. Provide evidence that reasonable diligence will be used to avoid waste and achieve water conservation as defined in TWC § 11.002. Examples of evidence could include, but are not limited to, a water conservation plan or, if required, a drought contingency plan, meeting the requirements of 30 TAC Chapter 288.
- g. Impacts on Water Rights or On-stream Environment. Explain how the proposed amendment will not impact other water right holders or the on-stream environment beyond and irrespective of the fact that the water right can be used to its full authorized amount.

WORKSHEET 2.0 Impoundment/Dam Information

This worksheet **is required** for any impoundment, reservoir and/or dam. Submit an additional Worksheet 2.0 for each impoundment or reservoir requested in this application.

If there is more than one structure, the numbering/naming of structures should be consistent throughout the application and on any supplemental documents (e.g., maps).

1. Storage Information (Instructions, Page. 21)

- a. Official USGS name of reservoir, if applicable: N/A
- b. Provide amount of water (in acre-feet) impounded by structure at normal maximum operating level: 11.0.
- c. The impoundment is on-channel X or off-channel _____ (mark one)
- i. Applicant has verified on-channel or off-channel determination by contacting Surface Water Availability Team at (512) 239-4600? Y / N N
 - ii. If on-channel, will the structure have the ability to pass all State Water inflows that Applicant does not have authorization to impound? Y / N Y
- d. Is the impoundment structure already constructed? Y / N N
- i. For already constructed **on-channel** structures:
 1. Date of Construction: Existing structure will be modified
 2. Was it constructed to be an exempt structure under TWC § 11.142? Y / N Y
 - a. If Yes, is Applicant requesting to proceed under TWC § 11.143? Y / N N
 - b. If No, has the structure been issued a notice of violation by TCEQ? Y / N N
 3. Is it a U.S. Natural Resources Conservation Service (NRCS) (formerly Soil Conservation Service (SCS)) floodwater-retarding structure? Y / N N
 - a. If yes, provide the Site No. _____ and watershed project name _____;
 - b. Authorization to close "ports" in the service spillway requested? Y / N N
 - ii. For **any** proposed new structures or modifications to structures:
 1. Applicant **must** contact TCEQ Dam Safety Section at (512) 239-0326, *prior to submitting an Application*. Applicant has contacted the TCEQ Dam Safety Section regarding the submission requirements of 30 TAC, Ch. 299? Y / N Y
Provide the date and the name of the Staff Person June 15, 2023 Ryan Jaecks
 2. As a result of Applicant's consultation with the TCEQ Dam Safety Section, TCEQ has confirmed that:
 - a. No additional dam safety documents required with the Application. Y / N N
 - b. Plans (with engineer's seal) for the structure required. Y / N Y
 - c. Engineer's signed and sealed hazard classification required. Y / N Y
 - d. Engineer's statement that structure complies with 30 TAC, Ch. 299 Rules required. Y / N Y

3. Applicants **shall** give notice by certified mail to each member of the governing body of each county and municipality in which the reservoir, or any part of the reservoir to be constructed, will be located. (30 TAC § 295.42). Applicant must submit a copy of all the notices and certified mailing cards with this Application. Notices and cards are included? Y / N Y

Draft notices included. Will be mailed pending TCEQ approval of the language.

iii. Additional information required for **on-channel** storage:

1. Surface area (in acres) of on-channel reservoir at normal maximum operating level: 2.24.

2. Based on the Application information provided, Staff will calculate the drainage area above the on-channel dam or reservoir. If Applicant wishes to also calculate the drainage area they may do so at their option. Applicant has calculated the drainage area. Y/N Y
If yes, the drainage area is 0.547 sq. miles.
(If assistance is needed, call the Surface Water Availability Team prior to submitting the application, (512) 239-4600).

2. Structure Location (Instructions, Page. 23)

a. On Watercourse (if on-channel) (USGS name): Unnamed Tributary to North Fork San Gabriel River

b. Zip Code: 78633

c. In the _____ Original Survey No. _____, Abstract No. _____,
Williamson County, Texas.

** A copy of the deed(s) with the recording information from the county records must be submitted describing the tract(s) that include the structure and all lands to be inundated.*

***If the Applicant is not currently the sole owner of the land on which the structure is or will be built and sole owner of all lands to be inundated, Applicant must submit documentation evidencing consent or other documentation supporting Applicant's right to use the land described.*

d. A point on the centerline of the dam (on-channel) or anywhere within the impoundment (off-channel) is:

Latitude 30.744730 °N, Longitude 97.826497 °W.

**Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places*

- i. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS
- ii. Map submitted which clearly identifies the Impoundment, dam (where applicable), and the lands to be inundated. See instructions Page. 15. Y / N Y

WORKSHEET 2.0 Impoundment/Dam Information

This worksheet is **required** for any impoundment, reservoir and/or dam. Submit an additional Worksheet 2.0 for each impoundment or reservoir requested in this application.

If there is more than one structure, the numbering/naming of structures should be consistent throughout the application and on any supplemental documents (e.g., maps).

1. Storage Information (Instructions, Page. 21)

- a. Official USGS name of reservoir, if applicable: N/A
- b. Provide amount of water (in acre-feet) impounded by structure at normal maximum operating level: 12.3.
- c. The impoundment is on-channel X or off-channel _____ (mark one)
 - i. Applicant has verified on-channel or off-channel determination by contacting Surface Water Availability Team at (512) 239-4600? Y / N N
 - ii. If on-channel, will the structure have the ability to pass all State Water inflows that Applicant does not have authorization to impound? Y / N Y
- d. Is the impoundment structure already constructed? Y / N N
 - i. For already constructed **on-channel** structures:
 - 1. Date of Construction: _____
 - 2. Was it constructed to be an exempt structure under TWC § 11.142? Y / N _____
 - a. If Yes, is Applicant requesting to proceed under TWC § 11.143? Y / N _____
 - b. If No, has the structure been issued a notice of violation by TCEQ? Y / N _____
 - 3. Is it a U.S. Natural Resources Conservation Service (NRCS) (formerly Soil Conservation Service (SCS)) floodwater-retarding structure? Y / N _____
 - a. If yes, provide the Site No. _____ and watershed project name _____;
 - b. Authorization to close "ports" in the service spillway requested? Y / N _____
 - ii. For **any** proposed new structures or modifications to structures:
 - 1. Applicant **must** contact TCEQ Dam Safety Section at (512) 239-0326, *prior to submitting an Application*. Applicant has contacted the TCEQ Dam Safety Section regarding the submission requirements of 30 TAC, Ch. 299? Y / N Y
Provide the date and the name of the Staff Person June 15, 2023 Ryan Jaecks
 - 2. As a result of Applicant's consultation with the TCEQ Dam Safety Section, TCEQ has confirmed that:
 - a. No additional dam safety documents required with the Application. Y / N N
 - b. Plans (with engineer's seal) for the structure required. Y / N Y
 - c. Engineer's signed and sealed hazard classification required. Y / N Y
 - d. Engineer's statement that structure complies with 30 TAC, Ch. 299 Rules required. Y / N Y

3. Applicants **shall** give notice by certified mail to each member of the governing body of each county and municipality in which the reservoir, or any part of the reservoir to be constructed, will be located. (30 TAC § 295.42). Applicant must submit a copy of all the notices and certified mailing cards with this Application. Notices and cards are included? Y / N Y

Draft notices included. Will be mailed pending TCEQ approval of the language.

iii. Additional information required for **on-channel** storage:

1. Surface area (in acres) of on-channel reservoir at normal maximum operating level: 2.43.

2. Based on the Application information provided, Staff will calculate the drainage area above the on-channel dam or reservoir. If Applicant wishes to also calculate the drainage area they may do so at their option. Applicant has calculated the drainage area. Y/N Y
If yes, the drainage area is 1.389 sq. miles.
(If assistance is needed, call the Surface Water Availability Team prior to submitting the application, (512) 239-4600).

2. Structure Location (Instructions, Page. 23)

a. On Watercourse (if on-channel) (USGS name): Unnamed Tributary to North Fork San Gabriel River

b. Zip Code: 78633

c. In the _____ Original Survey No. _____, Abstract No. _____,
Williamson County, Texas.

** A copy of the deed(s) with the recording information from the county records must be submitted describing the tract(s) that include the structure and all lands to be inundated.*

***If the Applicant is not currently the sole owner of the land on which the structure is or will be built and sole owner of all lands to be inundated, Applicant must submit documentation evidencing consent or other documentation supporting Applicant's right to use the land described.*

d. A point on the centerline of the dam (on-channel) or anywhere within the impoundment (off-channel) is:

Latitude 30.734453 °N, Longitude 97.824539 °W.

**Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places*

- i. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS
- ii. Map submitted which clearly identifies the Impoundment, dam (where applicable), and the lands to be inundated. See instructions Page. 15. Y / N Y

WORKSHEET 3.0 DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g., maps).

1. Diversion Information (Instructions, Page. 24)

- a. This Worksheet is to add new (select 1 of 3 below):
 - 1. ___ Diversion Point No.
 - 2. ___ Upstream Limit of Diversion Reach No.
 - 3. ___ Downstream Limit of Diversion Reach No.
- b. Maximum Rate of Diversion for **this new point** _____ cfs (cubic feet per second)
or _____ gpm (gallons per minute)
- c. Does this point share a diversion rate with other points? **Y / N** _____
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches* _____ cfs or _____ gpm
- d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** _____

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

- e. Check (✓) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed:

| Check one | | Write: Existing or Proposed |
|--------------------------|--|-----------------------------|
| <input type="checkbox"/> | Directly from stream | |
| <input type="checkbox"/> | From an on-channel reservoir | |
| <input type="checkbox"/> | From a stream to an on-channel reservoir | |
| <input type="checkbox"/> | Other method (explain fully, use additional sheets if necessary) | |

- f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** _____

If yes, the drainage area is _____ sq. miles.

(If assistance is needed, call the Surface Water Availability Team at (512) 239-4600, prior to submitting application)

2. Diversion Location (Instructions, Page 25)

- a. On watercourse (USGS name): _____
- b. Zip Code: _____
- c. Location of point: In the _____ Original Survey No. _____, Abstract No. _____, _____ County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure.

For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

- d. Point is at:
Latitude _____°N, Longitude _____°W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places
- e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): _____
- f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 15.
- g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 4.0 DISCHARGE INFORMATION

This worksheet required for any requested authorization to discharge water into a State Watercourse for conveyance and later withdrawal or in-place use. Worksheet 4.1 is also required for each Discharge point location requested. **Instructions Page. 26. Applicant is responsible for obtaining any separate water quality authorizations which may be required and for insuring compliance with TWC, Chapter 26 or any other applicable law.**

- a. The purpose of use for the water being discharged will be for recreation and to replace water lost to evaporation.
- b. Provide the amount of water that will be lost to transportation, evaporation, seepage, channel or other associated carriage losses 10.66 ac-ft (% or amount) and explain the method of calculation: Evaporation calculations were done using historical evaporation data from Texas Water Development Board website; see attached accounting plan.
- c. Is the source of the discharged water return flows? Y / N N If yes, provide the following information:
 1. The TPDES Permit Number(s) _____ (attach a copy of the **current** TPDES permit(s))
 2. Applicant is the owner/holder of each TPDES permit listed above? Y / N _____

PLEASE NOTE: If Applicant is not the discharger of the return flows, or the Applicant is not the water right owner of the underlying surface water right, or the Applicant does not have a contract with the discharger, the application should be submitted under Section 1, New or Additional Appropriation of State Water, as a request for a new appropriation of state water. If Applicant is the discharger, the surface water right holder, or the contract holder, then the application should be submitted under Section 3, Bed and Banks.

3. Monthly WWTP discharge data for the past 5 years in electronic format. (Attach and label as "Supplement to Worksheet 4.0").
 4. The percentage of return flows from groundwater _____, surface water _____?
 5. If any percentage is surface water, provide the base water right number(s) _____.
- d. Is the source of the water being discharged groundwater? Y / N Y If yes, provide the following information:
 1. Source aquifer(s) from which water will be pumped: Trinity
 2. If the well has not been constructed, provide production information for wells in the same aquifer in the area of the application. See <http://www.twdb.texas.gov/groundwater/data/gwdbbrpt.asp>. Additionally, provide well numbers or identifiers There is one existing onsite well, but has yet to be analyzed, and the nearest state well is #58-18-507.
 3. Indicate how the groundwater will be conveyed to the stream or reservoir.
Water will be transported to the reservoir from a sealed and pressure-tested water line not susceptible to leaking, the details of which can be seen in the attached accounting plan.
 4. A copy of the groundwater well permit if it is located in a Groundwater Conservation District (GCD) or evidence that a groundwater well permit is not required.
Williamson County does not have a water quality district, so no permit is required.
 - di. Is the source of the water being discharged a surface water supply contract? Y / N N
If yes, provide the signed contract(s).
 - dii. Identify any other source of the water _____

WORKSHEET 4.0 DISCHARGE INFORMATION

This worksheet required for any requested authorization to discharge water into a State Watercourse for conveyance and later withdrawal or in-place use. Worksheet 4.1 is also required for each Discharge point location requested. **Instructions Page. 26. Applicant is responsible for obtaining any separate water quality authorizations which may be required and for insuring compliance with TWC, Chapter 26 or any other applicable law.**

- a. The purpose of use for the water being discharged will be for recreation and to replace water lost to evaporation.
- b. Provide the amount of water that will be lost to transportation, evaporation, seepage, channel or other associated carriage losses 11.59 ac-ft (% or amount) and explain the method of calculation: Evaporation calculations were done using historical evaporation data from Texas Water Development Board website; see attached accounting plan.
- c. Is the source of the discharged water return flows? Y / N N If yes, provide the following information:
1. The TPDES Permit Number(s). _____ (attach a copy of the **current** TPDES permit(s))
 2. Applicant is the owner/holder of each TPDES permit listed above? Y / N _____

PLEASE NOTE: If Applicant is not the discharger of the return flows, or the Applicant is not the water right owner of the underlying surface water right, or the Applicant does not have a contract with the discharger, the application should be submitted under Section 1, New or Additional Appropriation of State Water, as a request for a new appropriation of state water. If Applicant is the discharger, the surface water right holder, or the contract holder, then the application should be submitted under Section 3, Bed and Banks.

3. Monthly WWTP discharge data for the past 5 years in electronic format. (Attach and label as "Supplement to Worksheet 4.0").
 4. The percentage of return flows from groundwater _____, surface water _____?
 5. If any percentage is surface water, provide the base water right number(s) _____.
- d. Is the source of the water being discharged groundwater? Y / N Y If yes, provide the following information:
1. Source aquifer(s) from which water will be pumped: Trinity
 2. If the well has not been constructed, provide production information for wells in the same aquifer in the area of the application. See <http://www.twdb.texas.gov/groundwater/data/gwdbbrpt.asp>. Additionally, provide well numbers or identifiers There is one existing onsite well, but has yet to be analyzed, and the nearest state well is #58-18-507.
 3. Indicate how the groundwater will be conveyed to the stream or reservoir.
Water will be transported to the reservoir from a sealed and pressure-tested water line not susceptible to leaking, the details of which can be seen in the attached accounting plan.
 4. A copy of the groundwater well permit if it is located in a Groundwater Conservation District (GCD) or evidence that a groundwater well permit is not required.
Williamson County does not have a water quality district, so no permit is required.
- di. Is the source of the water being discharged a surface water supply contract? Y / N N
If yes, provide the signed contract(s).
- dii. Identify any other source of the water _____

WORKSHEET 4.1 DISCHARGE POINT INFORMATION

This worksheet is required for **each** discharge point. Submit one Worksheet 4.1 for each discharge point. If there is more than one discharge point, the numbering of the points should be consistent throughout the application and on any supplemental documents (e.g., maps).
Instructions, Page 27.

For water discharged at this location provide:

- a. The amount of water that will be discharged at this point is 10.66 acre-feet per year. The discharged amount should include the amount needed for use and to compensate for any losses.
- b. Water will be discharged at this point at a maximum rate of _____ cfs or 40 gpm.
- c. Name of Watercourse as shown on Official USGS maps: Unnamed Tributary to North Fork San Gabriel River
- d. Zip Code 78633
- e. Location of point: In the _____ Original Survey No. _____, Abstract No. _____, Williamson County, Texas.
- f. Point is at:
Latitude 30.744730 °N, Longitude 97.826497 °W.
**Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places*
- g. Indicate the method used to calculate the discharge point location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

Map submitted must clearly identify each discharge point. See instructions Page. 15.

WORKSHEET 4.1 DISCHARGE POINT INFORMATION

This worksheet is required for **each** discharge point. Submit one Worksheet 4.1 for each discharge point. If there is more than one discharge point, the numbering of the points should be consistent throughout the application and on any supplemental documents (e.g., maps).
Instructions, Page 27.

For water discharged at this location provide:

- a. The amount of water that will be discharged at this point is 11.59 acre-feet per year. The discharged amount should include the amount needed for use and to compensate for any losses.
- b. Water will be discharged at this point at a maximum rate of _____ cfs or 40 gpm.
- c. Name of Watercourse as shown on Official USGS maps: Unnamed Tributary to North Fork San Gabriel River
- d. Zip Code 78633
- e. Location of point: In the _____ Original Survey No. _____, Abstract No. _____, Williamson County, Texas.
- f. Point is at:
Latitude 30.734453 °N, Longitude 97.824539 °W.
**Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places*
- g. Indicate the method used to calculate the discharge point location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

Map submitted must clearly identify each discharge point. See instructions Page. 15.

WORKSHEET 5.0

ENVIRONMENTAL INFORMATION

1. Impingement and Entrainment

This section is required for any new diversion point that is not already authorized. Indicate the measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on any new diversion structure that is not already authorized in a water right). **Instructions, Page 28.**

2. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

This section is required for new appropriations of water in the Canadian, Red, Sulphur, and Cypress Creek Basins and in all basins for requests to change a diversion point. **Instructions, Page 30.**

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),

a. Identify the appropriate description of the water body.

Stream

Reservoir

Average depth of the entire water body, in feet: _____

Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

Intermittent - dry for at least one week during most years

Intermittent with Perennial Pools - enduring pools

Perennial - normally flowing

Check the method used to characterize the area downstream of the new diversion location.

USGS flow records

Historical observation by adjacent landowners

Personal observation

Other, specify: _____

c. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the stream segments affected by the application and the area surrounding those stream segments.

- Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional
- Natural Area: trees and/or native vegetation common; some development evident (from fields, pastures, dwellings); water clarity discolored
- Common Setting: not offensive; developed but uncluttered; water may be colored or turbid
- Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

d. Waterbody Recreational Uses

Are there any known recreational uses of the stream segments affected by the application?

- Primary contact recreation (swimming or direct contact with water)
- Secondary contact recreation (fishing, canoeing, or limited contact with water)
- Non-contact recreation

e. Submit the following information in a Supplemental Attachment, labeled Addendum to Worksheet 5.0:

1. Photographs of the stream at the diversion point or dam location. Photographs should be in color and show the proposed point or reservoir and upstream and downstream views of the stream, including riparian vegetation along the banks. Include a description of each photograph and reference the photograph to the maps submitted with the application indicating the location of the photograph and the direction of the shot.
2. If the application includes a proposed reservoir, also include:
 - i. A brief description of the area that will be inundated by the reservoir.
 - ii. If a United States Army Corps of Engineers (USACE) 404 permit is required, provide the project number and USACE project manager.
 - iii. A description of how any impacts to wetland habitat, if any, will be mitigated if the reservoir is greater than 5,000 acre-feet.

3. Alternate Sources of Water and/or Bed and Banks Applications

This section is required for applications using an alternate source of water and bed and banks applications in any basins. **Instructions, page 31.**

- a. For all bed and banks applications:
 - i. Submit an assessment of the adequacy of the quantity and quality of flows remaining after the proposed diversion to meet instream uses and bay and estuary freshwater inflow requirements.

b. For all alternate source applications:

- i. If the alternate source is treated return flows, provide the TPDES permit number _____
- ii. If groundwater is the alternate source, or groundwater or other surface water will be discharged into a watercourse provide:
Reasonably current water chemistry information including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. If data for onsite wells are unavailable; historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, onsite data may still be required when it becomes available. Provide the well number or well identifier. Complete the information below for each well and provide the Well Number or identifier. The data for the onsite existing well is currently unavailable, but the information for the well number 58-18-507 is provided below.

| Parameter | Average Conc. | Max Conc. | No. of Samples | Sample Type | Sample Date/Time |
|-------------------------------|---------------|-----------|----------------|-------------|------------------|
| Sulfate, mg/L | 59.2 | | 1 | | 6/7/2018 |
| Chloride, mg/L | 89.3 | | 1 | | 6/7/2018 |
| Total Dissolved Solids, mg/L | 555.641 | | 1 | | 6/7/2018 |
| pH, standard units | 6.81 | | 1 | | 6/7/2018 |
| Temperature*, degrees Celsius | | | 1 | | 6/7/2018 |

* Temperature must be measured onsite at the time the groundwater sample is collected.

- iii. If groundwater will be used, provide the depth of the well 590 feet and the name of the aquifer from which water is withdrawn Trinity.

WORKSHEET 6.0

Water Conservation/Drought Contingency Plans

N/A

This form is intended to assist applicants in determining whether a Water Conservation Plan and/or Drought Contingency Plans is required and to specify the requirements for plans.

Instructions, Page 31.

*The TCEQ has developed guidance and model plans to help applicants prepare plans. Applicants may use the model plan with pertinent information filled in. For assistance submitting a plan call the Resource Protection Team (Water Conservation staff) at 512-239-4600, or e-mail wras@tceq.texas.gov. The model plans can also be downloaded from the TCEQ webpage. **Please use the most up-to-date plan documents available on the webpage.***

1. Water Conservation Plans

a. The following applications must include a completed Water Conservation Plan (30 TAC § 295.9) for each use specified in 30 TAC, Chapter 288 (municipal, industrial or mining, agriculture - including irrigation, wholesale):

1. Request for a new appropriation or use of State Water.
2. Request to amend water right to increase appropriation of State Water.
3. Request to amend water right to extend a term.
4. Request to amend water right to change a place of use.
**does not apply to a request to expand irrigation acreage to adjacent tracts.*
5. Request to amend water right to change the purpose of use.
**applicant need only address new uses.*
6. Request for bed and banks under TWC § 11.042(c), when the source water is State Water.
**including return flows, contract water, or other State Water.*

b. If Applicant is requesting any authorization in section (1)(a) above, indicate each use for which Applicant is submitting a Water Conservation Plan as an attachment:

1. ____Municipal Use. See 30 TAC § 288.2. **
2. ____Industrial or Mining Use. See 30 TAC § 288.3.
3. ____Agricultural Use, including irrigation. See 30 TAC § 288.4.
4. ____Wholesale Water Suppliers. See 30 TAC § 288.5. **

**If Applicant is a water supplier, Applicant must also submit documentation of adoption of the plan. Documentation may include an ordinance, resolution, or tariff, etc. See 30 TAC §§ 288.2(a)(1)(J)(i) and 288.5(1)(H). Applicant has submitted such documentation with each water conservation plan? Y / N____

c. Water conservation plans submitted with an application must also include data and information which: supports applicant's proposed use with consideration of the plan's water conservation goals; evaluates conservation as an alternative to the proposed

appropriation; and evaluates any other feasible alternative to new water development.
See 30 TAC § 288.7.

Applicant has included this information in each applicable plan? Y / N____

2. Drought Contingency Plans

- a. A drought contingency plan is also required for the following entities if Applicant is requesting any of the authorizations in section (1) (a) above - indicate each that applies:
1. ____Municipal Uses by public water suppliers. See 30 TAC § 288.20.
 2. ____Irrigation Use/ Irrigation water suppliers. See 30 TAC § 288.21.
 3. ____Wholesale Water Suppliers. See 30 TAC § 288.22.
- b. If Applicant must submit a plan under section 2(a) above, Applicant has also submitted documentation of adoption of drought contingency plan (*ordinance, resolution, or tariff, etc.* See 30 TAC § 288.30) Y / N____

WORKSHEET 7.0

ACCOUNTING PLAN INFORMATION WORKSHEET

The following information provides guidance on when an Accounting Plan may be required for certain applications and if so, what information should be provided. An accounting plan can either be very simple such as keeping records of gage flows, discharges, and diversions; or, more complex depending on the requests in the application. Contact the Surface Water Availability Team at 512-239-4600 for information about accounting plan requirements, if any, for your application. **Instructions, Page 34.**

Text file attached to the end of the application.
Spreadsheet submitted in .xls format.

1. Is Accounting Plan Required

Accounting Plans are generally required:

- For applications that request authorization to divert large amounts of water from a single point where multiple diversion rates, priority dates, and water rights can also divert from that point;
- For applications for new major water supply reservoirs;
- For applications that amend a water right where an accounting plan is already required, if the amendment would require changes to the accounting plan;
- For applications with complex environmental flow requirements;
- For applications with an alternate source of water where the water is conveyed and diverted; and
- For reuse applications.

2. Accounting Plan Requirements

- a. A **text file** that includes:
1. an introduction explaining the water rights and what they authorize;
 2. an explanation of the fields in the accounting plan spreadsheet including how they are calculated and the source of the data;
 3. for accounting plans that include multiple priority dates and authorizations, a section that discusses how water is accounted for by priority date and which water is subject to a priority call by whom; and
 4. Should provide a summary of all sources of water.
- b. A **spreadsheet** that includes:
1. Basic daily data such as diversions, deliveries, compliance with any instream flow requirements, return flows discharged and diverted and reservoir content;
 2. Method for accounting for inflows if needed;
 3. Reporting of all water use from all authorizations, both existing and proposed;
 4. An accounting for all sources of water;
 5. An accounting of water by priority date;
 6. For bed and banks applications, the accounting plan must track the discharged water from the point of delivery to the final point of diversion;
 7. Accounting for conveyance losses;
 8. Evaporation losses if the water will be stored in or transported through a reservoir. Include changes in evaporation losses and a method for measuring reservoir content resulting from the discharge of additional water into the reservoir;
 9. An accounting for spills of other water added to the reservoir; and
 10. Calculation of the amount of drawdown resulting from diversion by junior rights or diversions of other water discharged into and then stored in the reservoir.

WORKSHEET 8.0 CALCULATION OF FEES

This worksheet is for calculating required application fees. Applications are not Administratively Complete until all required fees are received. **Instructions, Page. 34**

1. NEW APPROPRIATION

| | Description | Amount (\$) | |
|---------------------------------|---|--------------------|------------|
| Filing Fee | Circle fee correlating to the total amount of water* requested for any new appropriation and/or impoundment. Amount should match total on Worksheet 1, Section 1. Enter corresponding fee under Amount (\$) . <u>In Acre-Feet</u> | \$100.0 | |
| | a. Less than 100 | | \$100.00 |
| | b. 100 - 5,000 | | \$250.00 |
| | c. 5,001 - 10,000 | | \$500.00 |
| | d. 10,001 - 250,000 | | \$1,000.00 |
| | e. More than 250,000 | | \$2,000.00 |
| Recording Fee | | \$25.00 | |
| Agriculture Use Fee | <i>Only for those with an Irrigation Use.</i> Multiply 50¢ x <u>0</u> Number of acres that will be irrigated with State Water. ** | \$0.00 | |
| Use Fee | <i>Required for all Use Types, excluding Irrigation Use.</i> Multiply \$1.00 x <u>0</u> Maximum annual diversion of State Water in acre-feet. ** | \$0.00 | |
| Recreational Storage Fee | <i>Only for those with Recreational Storage.</i> Multiply \$1.00 x <u>23.3</u> acre-feet of in-place Recreational Use State Water to be stored at normal max operating level. | \$23.30 | |
| Storage Fee | <i>Only for those with Storage, excluding Recreational Storage.</i> Multiply 50¢ x <u>0</u> acre-feet of State Water to be stored at normal max operating level. | \$0.00 | |
| Mailed Notice | Cost of mailed notice to all water rights in the basin. Contact Staff to determine the amount (512) 239-4600. | | |
| TOTAL | | \$ \$148.30 | |

2. AMENDMENT OR SEVER AND COMBINE

| | Description | Amount (\$) |
|-----------------------|---|-------------|
| Filing Fee | Amendment: \$100 | |
| | OR Sever and Combine: \$100 x <u> </u> of water rights to combine | |
| Recording Fee | | \$12.50 |
| Mailed Notice | Additional notice fee to be determined once application is submitted. | |
| TOTAL INCLUDED | | \$ |

3. BED AND BANKS

| | Description | Amount (\$) |
|-----------------------|---|-------------|
| Filing Fee | | \$100.00 |
| Recording Fee | | \$12.50 |
| Mailed Notice | Additional notice fee to be determined once application is submitted. | |
| TOTAL INCLUDED | | \$ |

LAT: N 30.744730
LONG: W 97.826497

BENTON TRACT DEVELOPMENT

LAT: N 30.734453
LONG: W 97.824539

BENTON TRACT DEVELOPMENT

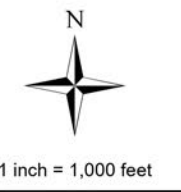
Legend

- STRUCTURE AND DISCHARGE POINT
- ▭ PROPERTY BOUNDARY

| | |
|-----------|-----------|
| PROJ NO.: | 069291601 |
| DATE: | JUNE 2023 |
| DESIGN: | PRF |
| DRAWN: | PRF |
| CHECKED: | BWP |

SHEET
1

Kimley»Horn
1400 Woodloch Forest Drive, Suite 225
The Woodlands, TX 77380
Phone: (281) 475-2816
TBPE FIRM No. 928



BENTON TRACT
WILLIAMSON COUNTY, TX

VICINITY MAP

LAT: N 30.744730
 LONG: W 97.826497

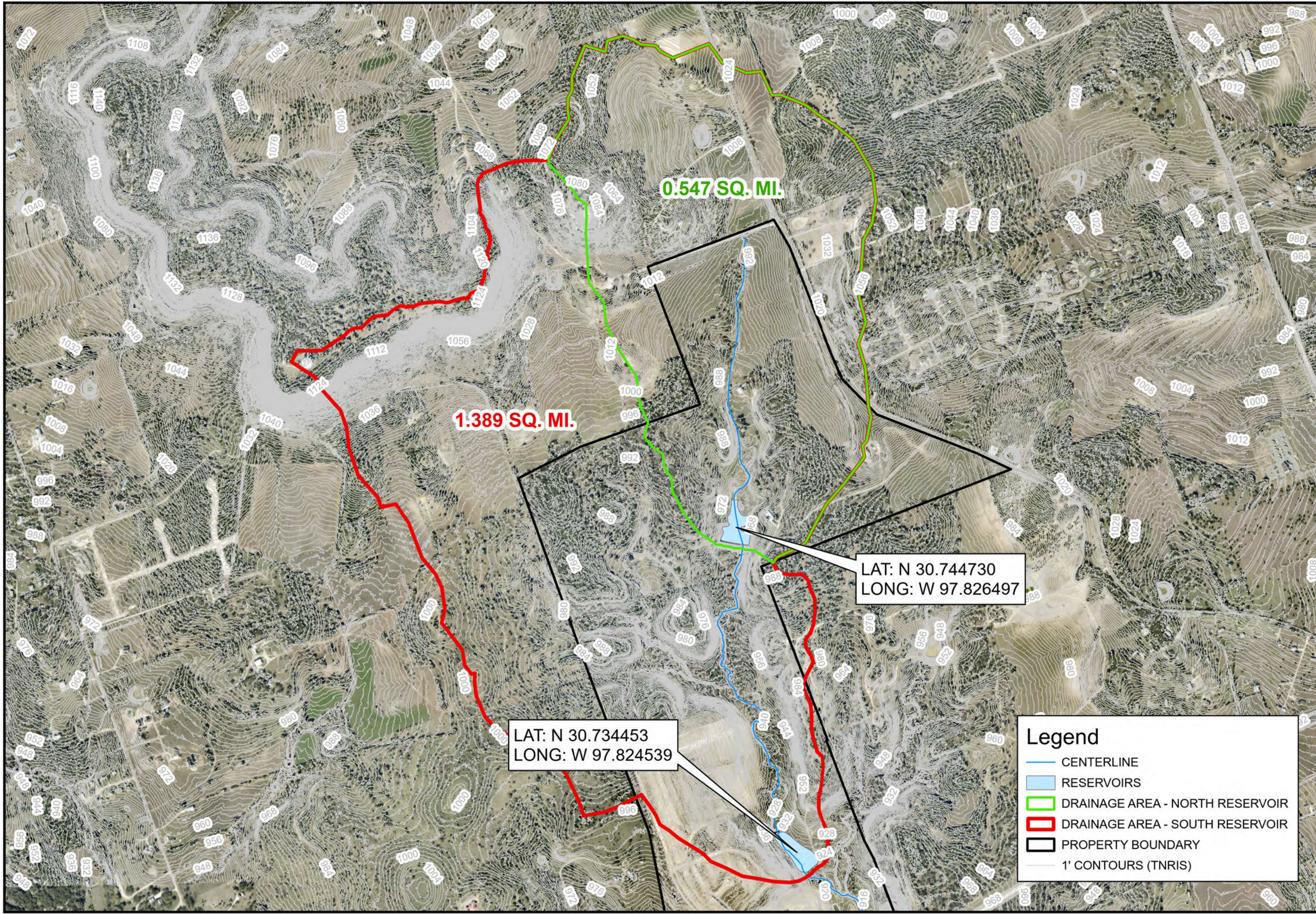
BENTON TRACT DEVELOPMENT

LAT: N 30.734453
 LONG: W 97.824539

Legend

- CENTERLINE
- PROPOSED RESERVOIRS
- PROPERTY BOUNDARY

USGS The National Map: National Boundaries Dataset, National Elevation Dataset, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; U.S. Census Bureau

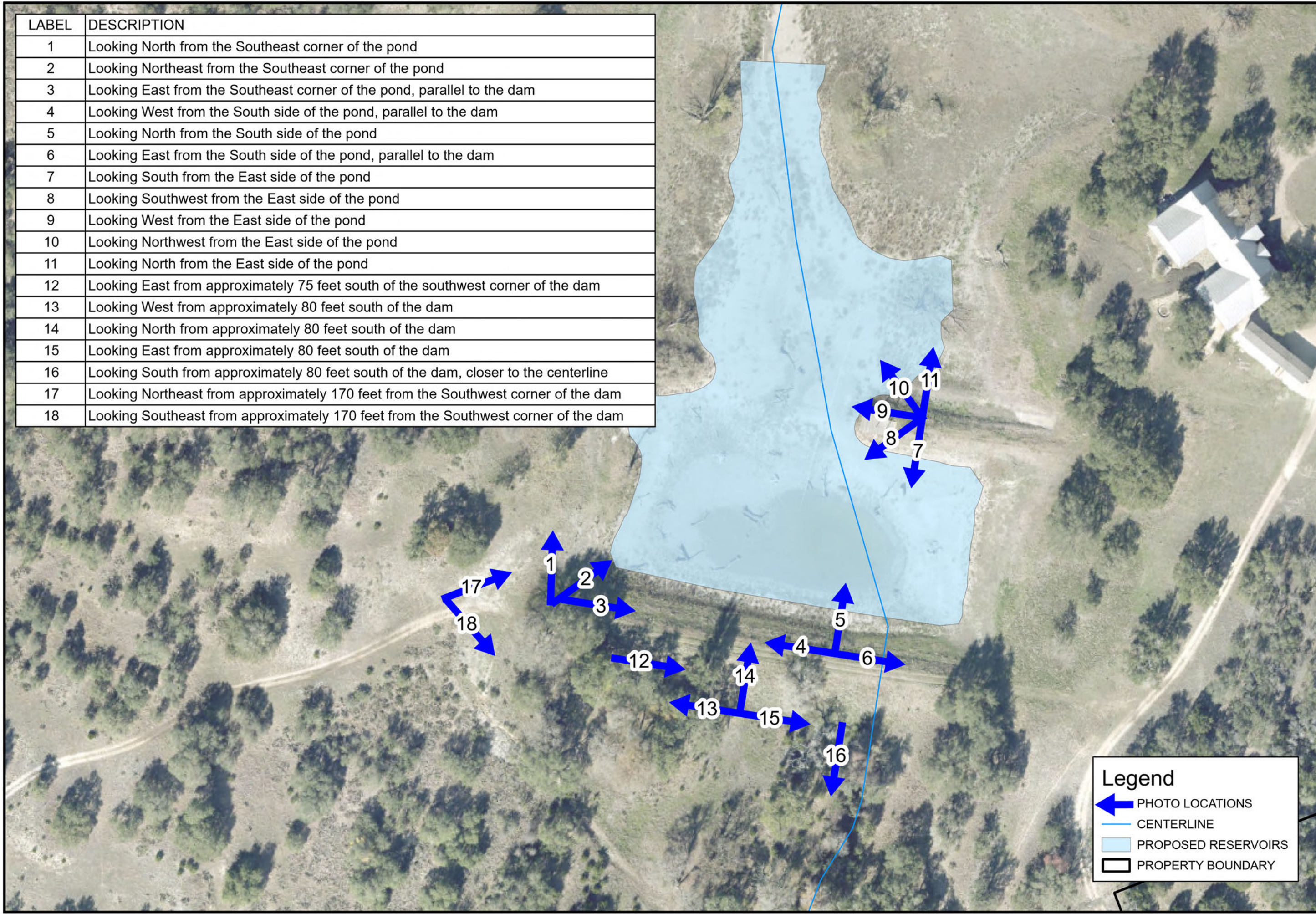


Legend

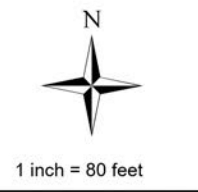
- CENTERLINE
- RESERVOIRS
- DRAINAGE AREA - NORTH RESERVOIR
- DRAINAGE AREA - SOUTH RESERVOIR
- PROPERTY BOUNDARY
- 1' CONTOURS (TNRIS)

| | |
|-----------|-------------|
| PROJ NO.: | 069291601 |
| DATE: | AUGUST 2023 |
| DESIGN: | PRF |
| DRAWN: | PRF |
| CHECKED: | BWP |

| LABEL | DESCRIPTION |
|-------|---|
| 1 | Looking North from the Southeast corner of the pond |
| 2 | Looking Northeast from the Southeast corner of the pond |
| 3 | Looking East from the Southeast corner of the pond, parallel to the dam |
| 4 | Looking West from the South side of the pond, parallel to the dam |
| 5 | Looking North from the South side of the pond |
| 6 | Looking East from the South side of the pond, parallel to the dam |
| 7 | Looking South from the East side of the pond |
| 8 | Looking Southwest from the East side of the pond |
| 9 | Looking West from the East side of the pond |
| 10 | Looking Northwest from the East side of the pond |
| 11 | Looking North from the East side of the pond |
| 12 | Looking East from approximately 75 feet south of the southwest corner of the dam |
| 13 | Looking West from approximately 80 feet south of the dam |
| 14 | Looking North from approximately 80 feet south of the dam |
| 15 | Looking East from approximately 80 feet south of the dam |
| 16 | Looking South from approximately 80 feet south of the dam, closer to the centerline |
| 17 | Looking Northeast from approximately 170 feet from the Southwest corner of the dam |
| 18 | Looking Southeast from approximately 170 feet from the Southwest corner of the dam |



Kimley»Horn
 1400 Woodloch Forest Drive, Suite 225
 The Woodlands, TX 77380
 Phone: (281) 475-2816
 TBPE FIRM No. 928



BENTON TRACT
 WILLIAMSON COUNTY, TX

PHOTOGRAPH KEY MAP
 NORTH DAM

Legend

- PHOTO LOCATIONS
- CENTERLINE
- PROPOSED RESERVOIRS
- PROPERTY BOUNDARY

| | |
|-----------|-----------|
| PROJ NO.: | 069291601 |
| DATE: | JUNE 2023 |
| DESIGN: | PRF |
| DRAWN: | PRF |
| CHECKED: | BWP |

SHEET
4

Photo 1 – Looking North from the Southeast corner of the pond



Photo 2 – Looking Northeast from the Southeast corner of the pond



Photo 3 – Looking East from the Southeast corner of the pond, parallel to the dam



Photo 4 – Looking West from the South side of the pond, parallel to the dam



Photo 5 – Looking North from the South side of the pond



Photo 6 – Looking East from the South side of the pond, parallel to the dam



Photo 7 – Looking South from the East side of the pond



Photo 8 – Looking Southwest from the East side of the pond



Photo 9 – Looking West from the East side of the pond



Photo 10 – Looking Northwest from the East side of the pond



Photo 11 – Looking North from the East side of the pond



Photo 12 – Looking East from approximately 75 feet south of the southwest corner of the dam



Photo 13 – Looking West from approximately 80 feet south of the dam



Photo 14 – Looking North from approximately 80 feet south of the dam



Photo 15 – Looking East from approximately 80 feet south of the dam



Photo 16 – Looking South from approximately 80 feet south of the dam, closer to the centerline



Photo 17 – Looking Northeast from approximately 170 feet from the Southwest corner of the dam



Photo 18 – Looking Southeast from approximately 170 feet from the Southwest corner of the dam





1 inch = 100 feet

**BENTON TRACT
 WILLIAMSON COUNTY, TX**

**PHOTOGRAPH KEY MAP
 SOUTH DAM**

PROJ NO.: 069291601
 DATE: JUNE 2023
 DESIGN: PRF
 DRAWN: PRF
 CHECKED: BWP

SHEET
5

| LABEL | DESCRIPTION |
|-------|--|
| 1 | Looking Northwest from the Southeast corner of the pond |
| 2 | Looking Northeast from the Southeast corner of the pond |
| 3 | Looking South from the southeast corner of the pond |
| 4 | Looking Southwest from the South side of the pond, parallel to the dam |
| 5 | Looking Northwest from the South side of the pond |
| 6 | Looking Northeast from the South side of the pond, parallel to the dam |
| 7 | Looking Southeast from the South side of the pond |
| 8 | Looking Northwest from approximately 140 feet north of the pond |
| 9 | Looking North from approximately 140 feet north of the pond |
| 10 | Looking North from approximately 50 feet north of the pond |
| 11 | Looking Southeast from North side of pond |
| 12 | Looking Northwest from approximately 100 feet south of the pond |
| 13 | Looking Northeast from approximately 100 feet south of the pond |
| 14 | Looking Southwest from East of the pond |
| 15 | Looking South from East of the pond |
| 16 | Looking Southeast from East of the pond |

Legend

- PHOTO LOCATIONS
- CENTERLINE
- PROPOSED RESERVOIRS
- PROPERTY BOUNDARY

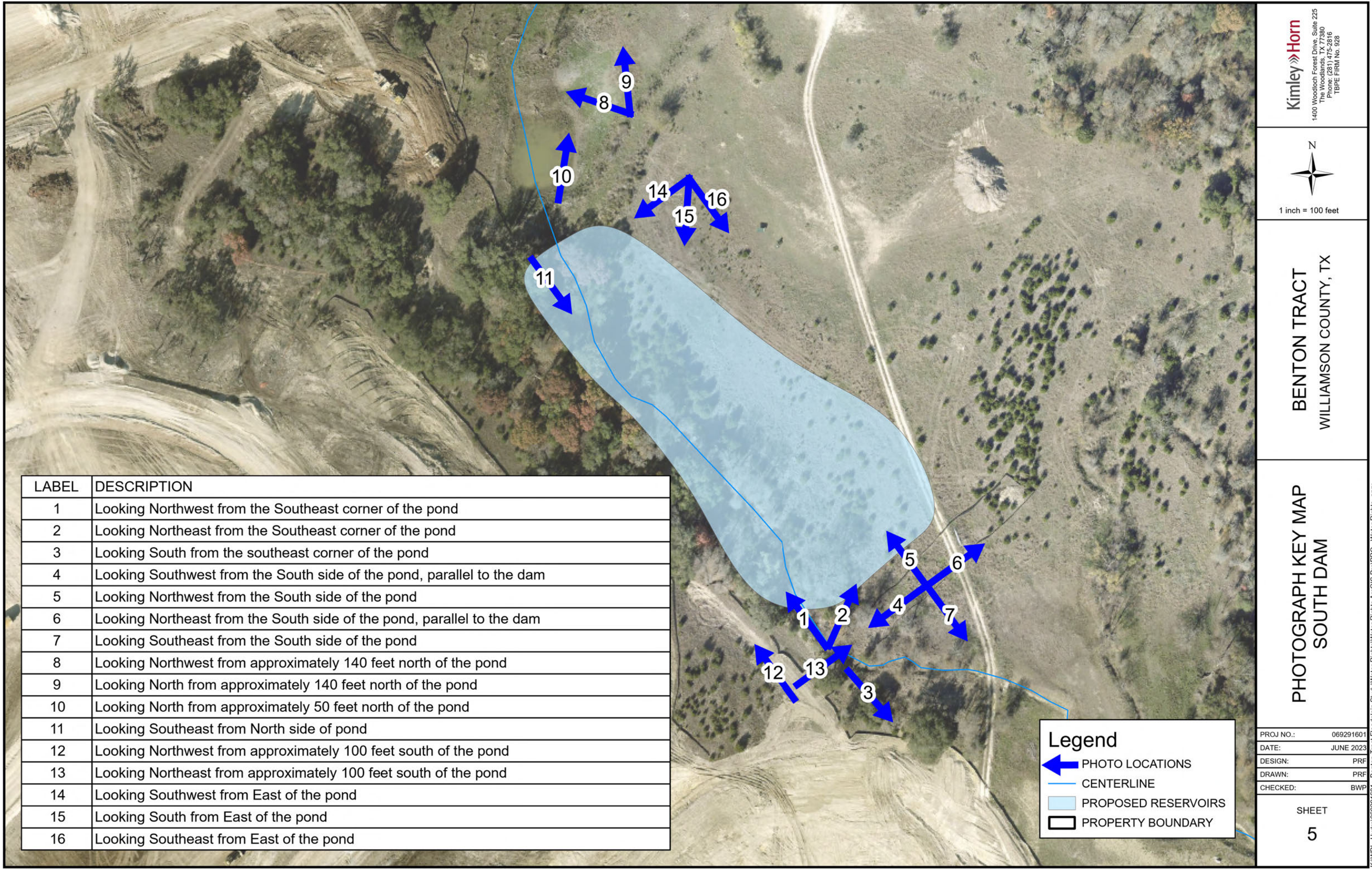


Photo 1 – Looking Northwest from the Southeast corner of the pond



Photo 2 – Looking Northeast from the Southeast corner of the pond



Photo 3 – Looking South from the southeast corner of the pond



Photo 4 – Looking Southwest from the South side of the pond, parallel to the dam



Photo 5 – Looking Northwest from the South side of the pond



Photo 6 – Looking Northeast from the South side of the pond, parallel to the dam



Photo 7 – Looking Southeast from the South side of the pond



Photo 8 – Looking Northwest from approximately 140 feet north of the pond



Photo 9 – Looking North from approximately 140 feet north of the pond



Photo 10 – Looking North from approximately 50 feet north of the pond



Photo 11 – Looking Southeast from North side of pond



Photo 12 – Looking Northwest from approximately 100 feet south of the pond



Photo 13 – Looking Northeast from approximately 100 feet south of the pond



Photo 14 – Looking Southwest from East of the pond



Photo 15 – Looking South from East of the pond



Photo 16 – Looking Southeast from East of the pond



NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OR ALL OF THE FOLLOWING INFORMATION FROM ANY INSTRUMENT THAT TRANSFERS AN INTEREST IN REAL PROPERTY BEFORE IT IS FILED FOR RECORD IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER AND DRIVER'S LICENSE NUMBER

SPECIAL WARRANTY DEED
("Deed")

17# 212329

STATE OF TEXAS §
 §
COUNTY OF WILLIAMSON §

GT LAND HOLDINGS I LLC, a Texas limited liability company, ("**Grantor**"), for and in consideration of the sum of Ten and No/100 Dollars (\$10.00) and other valuable consideration to Grantor in hand paid by JDS RR LLC, a Texas limited liability company, ("**Grantee**") having an address of 5005 Riverway Drive, Suite 500, Houston, Texas 77056, the receipt and sufficiency of which are hereby acknowledged and confessed, has GRANTED, SOLD and CONVEYED, and by these presents does GRANT, SELL and CONVEY unto Grantee (i) all that real property situated in the County of Williamson, State of Texas, and more particularly described on Exhibit A attached hereto and made a part hereof for all purposes (the "**Land**"), (ii) together with all buildings and improvements located thereon (the "**Improvements**"), (iii) all Grantor's right, title and interest in all easements, rights of way, privileges, appurtenances and other rights, pertaining to the Land and Improvements; (iv) all Grantor's rights, title and interest in any land lying in the bed of any street, road or avenue opened or proposed, public or private, in front of or adjoining the Land, and all right, title and interest of Grantor in and to any award made or to be made in lieu thereof and in any unpaid award for damage to the Land or Improvements by reason of change of grade of any street; (v) all Grantor's right, title and interest in all sidewalks, alleys and any strips and gores adjoining or adjacent to the Land (collectively, the "**Property**").

This Deed is made and accepted expressly subject to the matters set forth in Exhibit B attached hereto and made a part hereof for all purposes to the extent valid and subsisting and effecting the Property (the "**Reservations From and Exceptions to Conveyance and Warranty**").

TO HAVE AND TO HOLD the Property, together with all and singular the rights and appurtenances belonging in any way to the Property, unto the said Grantee, its successors and assigns forever, and Grantor binds itself and its successors and assigns to warrant and forever defend all and singular the Property to Grantee, its successors and assigns against every person lawfully claiming or to claim all or any part of the Property, by, through, or under Grantor, but not otherwise, and subject to the Reservations From and Exceptions to Conveyance and Warranty.

GRANTEE, BY ACCEPTANCE OF THIS DEED, ACKNOWLEDGES AND AGREES THAT
(A) EXCEPT FOR THE EXPRESS REPRESENTATIONS AND WARRANTIES OF

GRANTOR SET FORTH IN THAT CERTAIN EARNEST MONEY CONTRACT DATED EFFECTIVE SEPTEMBER 24, 2021 (THE "CONTRACT"), AND EXCEPT AS OTHERWISE COVENANTED BY GRANTOR THEREIN, THE PROPERTY SHALL BE SOLD, AND GRANTEE SHALL ACCEPT POSSESSION OF THE PROPERTY, "AS IS, WHERE IS, WITH ALL FAULTS", WITH NO RIGHT OF SETOFF OR REDUCTION IN THE SALES PRICE, AND (B) EXCEPT FOR THE EXPRESS REPRESENTATIONS AND WARRANTIES OF GRANTOR SET FORTH IN THE CONTRACT AND THE DOCUMENTS TO BE EXECUTED AT CLOSING, NEITHER GRANTOR NOR ANY EMPLOYEE, AGENT OR AFFILIATE OF GRANTOR (COLLECTIVELY, THE "GRANTOR RELATED PARTIES") HAS OR SHALL BE DEEMED TO HAVE MADE ANY VERBAL OR WRITTEN REPRESENTATIONS OR WARRANTIES (WHETHER EXPRESS, IMPLIED, STATUTORY OR OTHERWISE) TO GRANTEE WITH RESPECT TO THE PROPERTY, ANY MATTER SET FORTH, CONTAINED OR ADDRESSED IN ANY DILIGENCE MATERIALS DELIVERED TO GRANTEE OR ANY OTHER MATERIALS REGARDING THE PROPERTY DELIVERED TO OR OBTAINED BY GRANTEE (INCLUDING THE ACCURACY AND COMPLETENESS THEREOF) OR THE RESULTS OF GRANTEE'S DUE DILIGENCE INSPECTIONS. GRANTEE SPECIFICALLY ACKNOWLEDGES THAT, EXCEPT FOR THE EXPRESS REPRESENTATIONS AND WARRANTIES OF GRANTOR SET FORTH IN THE CONTRACT AND THE DOCUMENTS TO BE EXECUTED AT CLOSING, GRANTEE IS NOT RELYING ON (AND GRANTOR HEREBY DISCLAIMS AND RENOUNCES) ANY REPRESENTATIONS, WARRANTIES OR COVENANTS, WHETHER ORAL OR WRITTEN, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE, FROM GRANTOR OR ANY GRANTOR RELATED PARTIES, AS TO (1) THE INCOME POTENTIAL, USES, OR MERCHANTABILITY OF THE PROPERTY FOR A PARTICULAR PURPOSE, (2) THE PHYSICAL CONDITION OF THE PROPERTY, OR THE SUITABILITY OF THE PROPERTY FOR A PARTICULAR PURPOSE, (3) WHETHER THE PROPERTY IS IN COMPLIANCE WITH ANY APPLICABLE LAWS, INCLUDING WITHOUT LIMITATION ENVIRONMENTAL LAWS, (4) THE PRESENCE OR ABSENCE, LOCATION OR SCOPE OF ANY HAZARDOUS MATERIALS AT, UNDER OR AROUND THE PROPERTY, AND (5) THE TITLE TO OR ZONING OF THE PROPERTY OR ANY ENTITLEMENTS WITH RESPECT TO THE PROPERTY. GRANTEE'S ACCEPTANCE OF THIS DEED SHALL BE DEEMED TO CONSTITUTE AN EXPRESS WAIVER OF GRANTEE'S RIGHT TO CAUSE GRANTOR TO BE JOINED IN ANY ACTION BROUGHT UNDER ANY ENVIRONMENTAL LAWS.

All real and personal property taxes and assessments on the Property for the year 2021 have been prorated as of the effective date hereof, and by acceptance of this Deed, Grantee assumes payment of all such taxes and assessments, inclusive of rollback taxes, for the year 2021 and subsequent years.

[Signature Page Follows]

24 IN WITNESS WHEREOF, Grantor has executed this Deed, to be effective as of this day of January, 2022.

GRANTOR: GT LAND HOLDINGS I LLC,
a Texas limited liability company

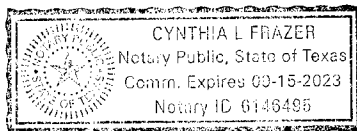
By: SVAG Investments LLC,
a Texas limited liability company,
its Manager

By: SVAG Asset Management LLC,
a Texas limited liability company,
its Manager

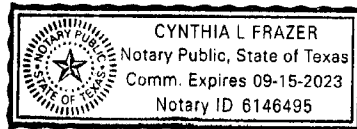
By: [Signature]
Sudharshan Vembutty, Manager

STATE OF TEXAS §
 COUNTY OF Fort Bend §
 §

This instrument was acknowledged before me this 24 day of January, 2022, by Sudharshan Vembutty, Manager of SVAG Asset Management LLC, a Texas limited liability company, Manager of SVAG Investments LLC, a Texas limited liability company, Manager of GT LAND HOLDINGS I LLC, a Texas limited liability company, on behalf of said limited liability companies.



[Signature]
Notary Public, State of Texas



This Deed is hereby accepted by Grantee under the terms and conditions stated herein.

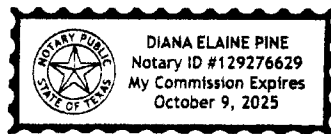
GRANTEE:

JDS RR LLC
a Texas limited liability company

By: [Signature]
Name: L. Michael Cox
Title: President

STATE OF TEXAS §
COUNTY OF HARRIS §

This instrument was acknowledged before me this 24 day of January, 2022, by L. Michael Cox, President of JDS RR LLC, a Texas limited liability company, on behalf of said limited liability company.



Diana Elaine Pine
Notary Public, State of Texas

After Recording
Return to:
Latitude Title, LLC
101 Parklane Blvd.
Suite 193
Sugar Land, TX 77478
Attn: ANDY FRAZER
846.-

EXHIBIT A
To Special Warranty Deed
LEGAL DESCRIPTION
Page 1 of 3

BENTON TRACT - 523.521 ACRES

BEING A 523.521 ACRE (22,804,588 SQUARE FEET) TRACT OF LAND SITUATED IN THE JAMES NORTHROSS SURVEY, ABSTRACT 478, THE CHARLES H. DELANEY SURVEY, ABSTRACT 181, THE A. H. HAYHERST SURVEY, ABSTRACT 305, AND THE DOLORES CASANOVA SURVEY, ABSTRACT 128, SITUATED IN WILLIAMSON COUNTY, TEXAS; BEING COMPRISED OF ALL OF A CALLED 413.839 ACRE TRACT OF LAND AND A CALLED 109.818 ACRE TRACT OF LAND DESCRIBED TO AUSTIN – RONALD REAGAN BOULEVARD LLC, A NORTH CAROLINA LIMITED LIABILITY COMPANY AND JIMMIE JOHNSON AUSTIN INVESTMENTS, LLC, A NORTH CAROLINA LIMITED LIABILITY COMPANY AS SHOWN ON INSTRUMENTS RECORDED IN DOCUMENT NO'S. 2011046995 AND 2011046996 (RESPECTIVELY) OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS; AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING, AT AN IRON ROD FOUND IN THE SOUTHWESTERLY RIGHT-OF-WAY LINE OF COUNTY ROAD 248 (VARIABLE R.O.W. WIDTH), AT A NORTH CORNER OF A CALLED 364.759 ACRE TRACT OF LAND DESCRIBED TO GVM III LLC AS SHOWN ON INSTRUMENT RECORDED IN VOLUME 2553, PAGE 151 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS; FOR THE NORTHERLY EAST CORNER OF SAID 413.839 ACRE TRACT AND THE NORTHERLY EAST CORNER OF THIS TRACT;

THENCE, SOUTH 68°43'44" WEST, ALONG THE NORTHWEST BOUNDARY LINE OF SAID 364.759 ACRE TRACT, AT 2335.66 FEET PASSING A 1/2" IRON ROD WITH PLASTIC SURVEYOR'S CAP STAMPED "BURY & PARTNERS" FOUND FOR A LINE MARKER, IN ALL A DISTANCE OF 3065.40 FEET TO A 1/2" IRON ROD WITH PLASTIC SURVEYOR'S CAP STAMPED "RPLS 5784" FOUND AT A WEST CORNER OF SAID 364.759 ACRE TRACT, FOR AN INTERIOR CORNER OF SAID 413.839 ACRE TRACT AND AN INTERIOR CORNER OF THIS TRACT;

THENCE, FOLLOWING THE COMMON BOUNDARY LINE OF SAID 364.759 ACRE TRACT AND SAID 413.839 ACRE TRACT THE FOLLOWING THREE (3) COURSES AND DISTANCES:

1. SOUTH 21°03'59" EAST, A DISTANCE OF 2127.93 FEET TO A 1/2" IRON ROD WITH PLASTIC SURVEYOR'S CAP STAMPED "KHA" SET FOR AN EXTERIOR CORNER OF THIS TRACT;
2. SOUTH 66°27'51" WEST, A DISTANCE OF 15.93 FEET TO A 1/2" IRON ROD WITH PLASTIC SURVEYOR'S CAP STAMPED "RPLS 5784" FOUND FOR AN INTERIOR CORNER OF THIS TRACT;
3. SOUTH 20°43'41" EAST, A DISTANCE OF 766.59 FEET TO A 1/2" IRON ROD WITH PLASTIC SURVEYOR'S CAP STAMPED "BURY & PARTNERS" FOUND AT THE SOUTHERLY EAST CORNER OF SAID 413.839 ACRE TRACT AND THE NORTH CORNER OF SAID 109.818 ACRE TRACT, FOR AN ANGLE CORNER OF THIS TRACT;

THENCE, FOLLOWING THE COMMON BOUNDARY LINE OF SAID 364.759 ACRE TRACT AND SAID 109.818 ACRE TRACT THE FOLLOWING THREE (3) COURSES AND DISTANCES:

1. SOUTH 20°43'41" EAST, A DISTANCE OF 451.21 FEET TO A 1/2" IRON ROD WITH PLASTIC SURVEYOR'S CAP STAMPED "RPLS 5784" FOUND FOR AN ANGLE CORNER OF THIS TRACT;
2. SOUTH 27°30'49" EAST, A DISTANCE OF 239.33 FEET TO A 1/2" IRON ROD IN THE SIDE OF A 16" LIVE OAK TREE FOUND FOR AN ANGLE CORNER OF THIS TRACT;
3. SOUTH 20°48'45" EAST, A DISTANCE OF 1031.09 FEET TO A 1/2" IRON ROD WITH PLASTIC SURVEYOR'S CAP STAMPED "PBS&J" FOUND IN THE NORTHERLY RIGHT-OF-WAY LINE OF RONALD REAGAN BOULEVARD (VARIABLE R.O.W. WIDTH) AT THE SOUTH CORNER OF SAID 364.759 ACRE TRACT, FOR THE EAST CORNER OF SAID 109.818 ACRE TRACT AND THE SOUTHERLY EAST CORNER OF THIS TRACT;

EXHIBIT A
To Special Warranty Deed
LEGAL DESCRIPTION
Page 2 of 3

THENCE, FOLLOWING THE COMMON RIGHT-OF-WAY LINE OF SAID RONALD REAGAN BOULEVARD AND THE SOUTHEAST BOUNDARY LINE OF SAID 109.818 ACRE TRACT THE FOLLOWING SEVEN (7) COURSES AND DISTANCES:

1. SOUTH 58°37'30" WEST, A DISTANCE OF 249.76 FEET TO A 1/2" IRON ROD WITH PLASTIC SURVEYOR'S CAP STAMPED "PBS&J" FOUND FOR AN ANGLE CORNER OF THIS TRACT;
2. NORTH 31°19'48" WEST, A DISTANCE OF 65.03 FEET TO A 1/2" IRON ROD WITH PLASTIC SURVEYOR'S CAP STAMPED "KHA" SET FOR AN ANGLE CORNER OF THIS TRACT;
3. SOUTH 58°40'03" WEST, A DISTANCE OF 160.38 FEET TO A 1/2" IRON ROD WITH PLASTIC SURVEYOR'S CAP STAMPED "PBS&J" FOUND FOR AN ANGLE CORNER OF THIS TRACT;
4. SOUTH 31°20'37" EAST, A DISTANCE OF 35.00 FEET TO A 1/2" IRON ROD WITH PLASTIC SURVEYOR'S CAP STAMPED "KHA" SET FOR AN ANGLE CORNER OF THIS TRACT;
5. SOUTH 58°38'42" WEST, A DISTANCE OF 1428.72 FEET TO A 1/2" IRON ROD WITH PLASTIC SURVEYOR'S CAP STAMPED "PBS&J" FOUND FOR AN ANGLE CORNER OF THIS TRACT;
6. SOUTH 31°04'40" EAST, A DISTANCE OF 29.78 FEET TO A 1/2" IRON ROD WITH PLASTIC SURVEYOR'S CAP STAMPED "PBS&J" FOUND FOR AN ANGLE CORNER OF THIS TRACT;
7. SOUTH 58°39'23" WEST, A DISTANCE OF 179.61 FEET TO A 1/2" IRON ROD WITH PLASTIC SURVEYOR'S CAP STAMPED "BURY & PARTNERS" FOUND AT THE EAST CORNER OF A CALLED 272.07 ACRE TRACT OF LAND DESCRIBED TO THE MIKE KONLE TRUST AS SHOWN ON INSTRUMENT RECORDED IN VOLUME 499, PAGE 274 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS; FOR AN ANGLE CORNER OF THIS TRACT;

THENCE, SOUTH 74°48'30" WEST, DEPARTING SAID RONALD REAGAN BOULEVARD ALONG THE COMMON BOUNDARY LINE OF SAID 272.07 ACRE TRACT AND SAID 109.818 ACRE TRACT, A DISTANCE OF 572.40 FEET TO A 1/2" IRON ROD FOUND AT THE EAST CORNER OF A CALLED 16.05 ACRE TRACT OF LAND DESCRIBED TO THE MIKE KONLE TRUST AS SHOWN ON INSTRUMENT RECORDED IN DOCUMENT NO. 2000058424 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS; FOR THE SOUTH CORNER OF SAID 109.818 ACRE TRACT AND THE SOUTH CORNER OF THIS TRACT;

THENCE, NORTH 19°24'56" WEST, ALONG THE EAST BOUNDARY LINE OF SAID 16.05 ACRE TRACT, A DISTANCE OF 1212.94 FEET TO A POINT AT AN ANGLE CORNER IN THE EAST BOUNDARY LINE OF A CALLED 24.89 ACRE TRACT OF LAND DESCRIBED TO THE MIKE KONLE TRUST AS SHOWN ON INSTRUMENT RECORDED IN DOCUMENT NO. 2006082693 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS; FOR AN ANGLE CORNER OF THIS TRACT;

THENCE, NORTH 11°05'36" WEST, ALONG THE EAST BOUNDARY LINE OF SAID 24.89 ACRE TRACT, A DISTANCE OF 830.11 FEET TO A 1/2" IRON ROD WITH PLASTIC SURVEYOR'S CAP STAMPED "KHA" SET IN THE EAST BOUNDARY LINE OF A CALLED 19.30 ACRE TRACT OF LAND DESCRIBED TO THE MIKE KONLE TRUST AS SHOWN ON INSTRUMENT RECORDED IN DOCUMENT NO. 2002072070 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS; AT THE WEST CORNER OF SAID 109.818 ACRE TRACT AND THE SOUTH CORNER OF SAID 413.839 ACRE TRACT, FOR AN ANGLE CORNER OF THIS TRACT;

THENCE, NORTH 11°05'36" WEST, ALONG THE EAST BOUNDARY LINE OF SAID 19.30 ACRE TRACT, A DISTANCE OF 514.28 FEET TO A 1/2" IRON ROD FOUND IN CONCRETE AT AN ANGLE CORNER IN THE EAST BOUNDARY LINE OF A CALLED 18.34 ACRE TRACT OF LAND DESCRIBED TO THE MIKE KONLE TRUST AS SHOWN ON INSTRUMENT RECORDED IN DOCUMENT NO. 2001088303 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS; FOR AN ANGLE CORNER OF THIS TRACT;

THENCE, NORTH 20°49'22" WEST, ALONG THE EAST BOUNDARY LINE OF SAID 18.34 ACRE TRACT, A DISTANCE OF 1893.30 FEET TO A 1/2" IRON ROD WITH PLASTIC SURVEYOR'S CAP STAMPED "FOREST 1847" FOUND AT THE NORTH CORNER OF A CALLED 129.95 ACRE TRACT OF LAND DESCRIBED TO ROCKING WILCO LP AS SHOWN ON INSTRUMENT RECORDED IN DOCUMENT NO. 2005007206 OF THE OFFICIAL PUBLIC RECORDS OF

EXHIBIT A
To Special Warranty Deed
LEGAL DESCRIPTION
Page 3 of 3

WILLIAMSON COUNTY, TEXAS; AND AT THE SOUTHERLY EAST CORNER OF A CALLED 206.54 ACRE TRACT OF LAND DESCRIBED TO NORTHVISTA RANCH LLC AS SHOWN ON INSTRUMENT RECORDED IN DOCUMENT NO. 9837159 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS, FOR AN ANGLE CORNER OF THIS TRACT:

THENCE, ALONG THE COMMON BOUNDARY OF SAID 206.54 ACRE TRACT AND SAID 413.839 ACRE TRACT THE FOLLOWING FOUR (4) COURSES AND DISTANCES:

1. NORTH 19°50'11" WEST, A DISTANCE OF 2427.07 FEET TO A PK NAIL FOUND AT AN INTERIOR CORNER OF SAID 206.54 ACRE TRACT, FOR THE SOUTHERLY WEST CORNER OF SAID 413.839 ACRE TRACT AND THE SOUTHERLY WEST CORNER OF THIS TRACT;
2. NORTH 63°07'18" EAST, A DISTANCE OF 800.79 FEET TO A 1/2" IRON ROD WITH PLASTIC SURVEYOR'S CAP STAMPED "BURY & PARTNERS" FOUND FOR AN ANGLE CORNER OF THIS TRACT;
3. NORTH 70°30'18" EAST, A DISTANCE OF 1446.93 FEET TO A 1/2" IRON ROD WITH PLASTIC SURVEYOR'S CAP STAMPED "BURY & PARTNERS" FOUND AT THE NORTHERLY EAST CORNER OF SAID 206.54 ACRE TRACT, FOR AN INTERIOR CORNER OF SAID 413.839 ACRE TRACT AND AN INTERIOR CORNER OF THIS TRACT;
4. NORTH 20°49'09" WEST, AT 1648.33 FEET PASSING 0.75 FEET RIGHT OF A 1/2" IRON ROD WITH PLASTIC SURVEYOR'S CAP STAMPED "BURY & PARTNERS" FOUND FOR A REFERENCE MARKER, IN ALL A DISTANCE OF 1682.34 FEET TO A 1/2" IRON ROD FOUND AT THE SOUTH CORNER OF A CALLED 100.00 ACRE TRACT OF LAND DESCRIBED TO ROSE MARIE ZUROVETZ AS SHOWN ON INSTRUMENT RECORDED IN VOLUME 503, PAGE 481 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS; FOR THE NORTHERLY WEST CORNER OF SAID 413.839 ACRE TRACT AND THE NORTHERLY WEST CORNER OF THIS TRACT;

THENCE, ALONG THE COMMON BOUNDARY LINE OF SAID 100.00 ACRE TRACT AND SAID 413.839 ACRE TRACT THE FOLLOWING TWO (2) COURSES AND DISTANCES

1. NORTH 69°26'41" EAST, A DISTANCE OF 677.70 FEET TO A POINT, FOR AN ANGLE CORNER OF THIS TRACT;
2. NORTH 69°25'39" EAST, A DISTANCE OF 860.69 FEET TO A 1/2" IRON ROD WITH PLASTIC SURVEYOR'S CAP STAMPED "RPLS 5784" FOUND IN THE SOUTHWEST RIGHT-OF-WAY LINE OF SAID COUNTY ROAD 248, AT THE EAST CORNER OF SAID 100.00 ACRE TRACT, FOR A NORTH CORNER OF SAID 413.839 ACRE TRACT AND THE NORTH CORNER OF THIS TRACT;

THENCE, ALONG THE SOUTHWESTERLY RIGHT-OF-WAY LINE OF SAID COUNTY ROAD 248 AND THE NORTHEAST BOUNDARY LINE OF SAID 413.839 ACRE TRACT THE FOLLOWING SIX (6) COURSES AND DISTANCES:

1. SOUTH 30°04'52" EAST, AT 76.71 FEET PASSING 1.99 FEET RIGHT OF A 1/2" IRON ROD FOUND FOR A REFERENCE MARKER, IN ALL A DISTANCE OF 359.95 FEET TO A 1/2" IRON ROD FOUND FOR AN ANGLE CORNER OF THIS TRACT;
2. SOUTH 21°24'52" EAST, A DISTANCE OF 1284.80 FEET TO A 1/2" IRON ROD WITH PLASTIC SURVEYOR'S CAP STAMPED "BURY & PARTNERS" FOUND FOR AN ANGLE CORNER OF THIS TRACT;
3. SOUTH 23°04'52" EAST, A DISTANCE OF 339.95 FEET TO A 1/2" IRON ROD WITH PLASTIC SURVEYOR'S CAP STAMPED "KHA" SET FOR AN ANGLE CORNER OF THIS TRACT;
4. SOUTH 44°24'41" EAST, A DISTANCE OF 570.08 FEET TO A 1/2" IRON ROD FOUND FOR AN ANGLE CORNER OF THIS TRACT;
5. SOUTH 68°46'22" EAST, AT 617.73 FEET PASSING A 1/2" IRON ROD FOUND FOR A LINE MARKER, AT 727.86 FEET PASSING AN IRON ROD FOUND FOR A LINE MARKER, IN ALL A DISTANCE OF 1223.23 FEET TO A 1/2" IRON ROD WITH PLASTIC SURVEYOR'S CAP STAMPED "KHA" SET FOR AN ANGLE CORNER OF THIS TRACT;
6. SOUTH 64°46'22" EAST, A DISTANCE OF 431.71 FEET TO THE POINT OF BEGINNING AND CONTAINING 523.521 ACRES OF LAND, MORE OR LESS, IN WILLIAMSON COUNTY, TEXAS

EXHIBIT "B"
PERMITTED EXCEPTIONS

- a. **Standby fees, taxes and assessments by any taxing authority for the year 2022 and subsequent years, and subsequent taxes and assessment by any taxing authority for prior years due to change in land usage or ownership, but not those taxes or assessments for prior years because of any exemption granted to a previous owner of the property under Section 11.13, Texas Tax Code, or because of improvements not assessed for a previous tax year.**
- b. **Telephone Distribution Line Easement granted to Central Telephone Company-Midstate recorded in Volume 1275, Page 24, of the Official Public Records of Williamson County, Texas, and as shown on survey dated May 13, 2021, by Zachary Keith Petrus, R.P.L.S. No. 6769.**
- c. **Drainage Easement as set forth in instrument recorded under County Clerk's File No. 2006018714, of the Official Public Records of Williamson County, Texas.**
- d. **Mineral and/or royalty interests in and to all coal, lignite, oil, gas and other minerals, together with all rights incident thereto, recorded in Volume 2373 Page 359, of the Deed Records of Williamson County, Texas.**
- e. **All leases, grants, exceptions or reservations of coal, lignite, oil, gas or other minerals, together with all rights, privileges and immunities relating thereto, appearing in the Official Public Records of Williamson County, Texas, to the extent they are in effect at this time.**
- f. **Subject property lies within 3 B & J Municipal Utility District.**
- g. **Matters shown on the survey drawing dated May 13, 2021 by Zachary Keith Petrus, R.P.L. S. No. 6799.**

**ELECTRONICALLY RECORDED
OFFICIAL PUBLIC RECORDS**

2022010857

Pages: 9 Fee: \$54.00

01/25/2022 03:35 PM

MBARRICK



Nancy E. Rister

Nancy E. Rister, County Clerk
Williamson County, Texas

Ferguson, Paige

From: Ryan Jaecks <Ryan.Jaecks@tceq.texas.gov>
Sent: Friday, June 16, 2023 11:23 AM
To: Ferguson, Paige
Subject: RE: Dam Coordinates

Categories: External

Good morning Paige,

After looking to see if we have the two associated dams in our TCEQ inventory. It appears that we do not have these dams listed in our database.

It's possible the owners would have to do some dam safety analyses; Hydrologic Hydraulic/ Breach analysis to determine if the dams should be in the inventory.

If you have any additional questions, please feel free to let me know.

Thank you,

Ryan Jaecks
Engineering Specialist
Dam Safety Program
Critical Infrastructure Division
Office: (512)239-2006
Ryan.Jaecks@tceq.texas.gov

From: Ferguson, Paige <[REDACTED]>
Sent: Thursday, June 15, 2023 11:27 AM
To: Ryan Jaecks <Ryan.Jaecks@tceq.texas.gov>
Subject: Dam Coordinates

Hi Ryan,

I've provided the coordinates for the two dams we spoke about on the phone.

North
LAT: N 30.744730
LONG: W 97.826497

South
LAT: N 30.734453
LONG: W 97.824539

Thank you,

Paige Fergeson, EIT

Kimley-Horn | 1400 Woodloch Forest Drive, Suite 225, The Woodlands, TX
Direct: 281 643 8880 | Main: 281 475 2816

[Date]

[TITLE NAME]
[PLACE NAME]
[ADDRESS 1]
[ADDRESS 2]

Subject: Benton Tract
Application for Permit to Appropriate State Water
Williamson County, Texas

Dear Mr./Mrs. _____:

JDS RR, LLC has proposed the development of Benton Tract, a single family residential development located north of Ronald Reagan Boulevard in Williamson County, Texas. As part of the plan for the development, JDS RR, LLC has applied for a Water Rights Permit to repurpose an existing pond on the property in addition to proposing a new pond for in-place recreation as part of the drainage conveyance system on an unnamed tributary to North Fork San Gabriel River, in the Brazos Watershed in Williamson County.

The proposed plan for the development includes the reuse of an existing pond on site, and a proposed pond which will be used for recreation. The water lost due to evaporation will be replaced using a groundwater well.

JDS RR, LLC is pursuing this application to appropriate State Water with the Texas Commission on Environmental Quality (TCEQ). Notification of the application is being sent to all Water Rights holders in the Brazos River Watershed. If you have any questions regarding this application, please do not hesitate to call our offices.

Sincerely,

JDS RR, LLC

JDS RR, LLC ACCOUNTING PLAN
FOR APPLICATION NO. XXXXX

Kimley-Horn and Associates, Inc., Updated December 1, 2022

INTRODUCTION

This memorandum describes the accounting plan submitted for Application No. XXXXX. The application authorizes the following:

- Storage of supplemental water in two impoundments with a total storage capacity of 23.3 acre-feet and a combined surface area of 4.67 acres.

The applicant will not be diverting any waters of the state but will divert supplemental water based on private groundwater produced by the applicant and discharged into the ponds (Groundwater).

The accounting plan assumes that storage in the reservoir is constant. Change in storage is minimal and can be ignored. Thus, this accounting plan is premised on a fundamental mass balance equation of water inflows and outflows from the reservoir:

$$\text{Groundwater} = \text{Evaporation Losses}$$

Net evaporation losses will be based on daily values measured by the U.S. Army Corps of Engineers (USACE) at Lake Somerville (<http://www.swf-wc.usace.army.mil/cgi-bin/rcshtml.pl?page=Hydrologic>). If evaporation data are not available, the accounting plan will use the 75th percentile evaporation for the local area for the period from 1954 through 2021, calculated on a monthly basis, as published by the Texas Water Development Board (TWDB).

ELEMENTS OF THE ACCOUNTING PLAN

The accounting plan has been created as an Excel spreadsheet. The spreadsheet includes cells in which the applicant will insert meter readings for groundwater discharges and pan evaporation and precipitation from Lake Somerville. The spreadsheet will use the data entered in those cells to automatically calculate evaporated losses. Header columns and rows in the spreadsheet are shaded in various colors, input cells are shaded white, and automatically calculated cells are shaded in grey. All cells that include formulas will be locked once the accounting plan is approved, so that they cannot be inadvertently altered. The accounting plan covers one calendar year, and a new Excel document will need to be created for each year.

There are 16 tabs in the accounting plan spreadsheet:

1. ANNUAL Tab – summarizes water use, supplemental groundwater, and evaporative losses.
2. Monthly Tabs (JAN through DEC) – the applicant will enter daily readings
3. EVAP DATA Tab – default evaporation rates
4. TWDB PAN LAKE COEFF Tab – data from the TWDB for Monthly Pan Coefficients
5. TWDB EVAP Tab – data from TWDB for monthly lake surface evaporation for Quadrangle 711

ANNUAL TAB

The ANNUAL tab calculates a mass balance for the reservoir covered by Application 13541. All figures on the ANNUAL tab are populated from the monthly tabs or calculated in the ANNUAL tab, so the applicant will not enter any data into the ANNUAL tab. The exception is in cell B6, where the applicant enters the current year.

The ANNUAL tab contains 7 columns (A through G) and 14 rows. The columns in the table are as follows:

| | |
|---|---|
| <u>Column A</u> | <u>Month</u> . Labels for each month in a separate row. |
| <u>Column B</u> | <u>Diversion (ac-ft)</u> . Contains the monthly Irrigation Diversions in acre-feet. Imported from Column C and converted from gallons to acre-feet of the respective worksheet for the month. |
| <u>Column C</u> | <u>Groundwater Volume (ac-ft)</u> . Contains the monthly Groundwater Volume in acre-feet. Imported from Column E and converted from gallons to acre-feet of the respective worksheet for the month. |
| <i>Columns D through F contain the mass balance calculations.</i> | |
| <u>Column D</u> | <u>Net Evaporation (ac-ft)</u> . Contains the monthly evaporation imported from column L of the respective monthly worksheet. |
| <u>Column E</u> | <u>Calculated Net Inflow (ac-ft)</u> . Contains the monthly calculated net inflows in acre-feet. Imported from Column N and converted from gallons to acre-feet of the respective worksheet for the month. |
| <u>Column F</u> | <u>Depleted Net Inflow (ac-ft)</u> . Contains the monthly depleted net inflows in acre-feet. Imported from Column O and converted from gallons to acre-feet of the respective worksheet for the month. |
| <u>Column G</u> | <u>Supplemental Groundwater Release (ac-ft)</u> . Contains the monthly supplemental groundwater release in acre-feet. Imported from Column P and converted from gallons to acre-feet of the respective worksheet for the month. |

MONTHLY TABS

The accounting plan includes 12 monthly spreadsheets, labeled JAN through DEC. Each worksheet contains 17 columns (A through Q), but the number of rows varies between 28 and 32 based on the number of days in the month. The applicant will enter daily irrigation pump meter readings, groundwater pump meter readings, lake elevation, and Lake Somerville precipitation and evaporation depths into the monthly worksheets. All other cells will be filled automatically based on those entries.

Column A Day. Lists the day of the month and is shaded orange. The JAN worksheet includes a row for December 31 of the prior year in order to record the starting point for meter readings. This row is identified as Day 0.

Columns B through C list diverted waters from the pond, and their headers are shaded blue.

Column B Irrigation Meter Reading (10,000 gal). Cells for the applicant to enter daily meter readings from the Irrigation Diversions out of the pond. The irrigation Diversion meter reads in units of 10,000 gallons.

Column C Diversion (gal). Calculates daily Irrigation Diversions in gallons, by taking the meter reading for that day, subtracting the meter reading for the prior day, and multiplying by 10,000. The cell for the first day of each month references the cell for the last day of the prior month. The user should verify the irrigation meter reading and input data in Column B if the result of Column C is zero.

Columns D through E list supplemental inflows to the reservoir, and their headings are shaded green.

Column D Groundwater Meter Reading (10,000 gal). Cells for the applicant to enter daily meter readings from the Groundwater well that discharges into the pond. The Groundwater well meter reads in units of 10,000 gallons.

Column E Groundwater Volume (gal). Calculates the daily Groundwater discharges in gallons, by taking the meter reading for that day, subtracting the meter reading for the prior day, and multiplying by 10,000. The cell for the first day of each month references the cell for the last day of the prior month.

Columns F through K are associated with the pond elevation and Lake Somerville pan evaporation and precipitation values entered from the USACE website. The headers for these columns are shaded pink.

Column F Lake Elevations (ft). Cell for the applicant to enter daily readings for the elevation in the pond. The elevations should be downloaded from the float sensor in the pond. This column is for informational purposes only and is to confirm that the automatic groundwater pump is operating as intended.

Column G Lake Somerville Precipitation Rate (in). The daily precipitation values for Lake Somerville, obtained from the USACE website at <http://www.swf-wc.usace.army.mil/cgi-bin/rcshtml.pl?page=Hydrologic>.

Column H Lake Somerville Evaporation Rate (in). The daily pan evaporation values for Lake Somerville, obtained from the USACE website at <http://www.swf-wc.usace.army.mil/cgi-bin/rcshtml.pl?page=Hydrologic>.

Column I Default Evaporation Rate (in). This column is used on days when Lake Somerville evaporation data is not available. If the value in Column H is blank, then Column I displays the 75th percentile daily pan evaporation value from Column D of the EVAP DATA Worksheet.

Column J Total Evaporation Rate (in). This final daily pan evaporation rate based on either the values entered in Column H or the average values in Column I.

Column K Net Evaporation Rate (in). Calculates the final net evaporation rate (evaporation rate multiplied by pan factor) in inches.

Columns L through M contain the daily calculations for pond. The headers for these columns are shaded in light blue.

Column L Net Evaporation (ac-ft). Calculated Net Evaporation, obtained by converting the Net Evaporation Rate in Column K to feet and multiplying it by the total surface area of the pond in cell C6.

Column M Net Evaporation (gal). Same as Column L reported in gallons.

Columns N through Q contain the total values for the mass balance of the inflows and outflows. The headers for these columns are shaded in purple.

Column N Calculated Net Inflow (gal). The calculated net inflow is determined by subtracting the groundwater inflow to the reservoir (Column E) from the sum of the evaporative loss (Column M) and the diversion (Column C). If the calculated net inflow is negative, then there is more inflow into the reservoir than can be held and this amount flows downstream.

Column O Depleted Net Inflow (gal). The depleted net inflow is the positive calculated net inflow from Column N. If the calculated net inflow is less than zero, then this value is equal to zero. The Depleted Net Inflow represents the amount needed to be made up through supplemental groundwater pumping.

Column P Supplemental Groundwater Release (gal). The total supplemental groundwater release is the sum of the depleted net inflow (Column O) reported biweekly in December, January, and February and weekly for the remainder of the year.

Column Q Comments. This Column allows the applicant to enter any relevant notes and observations.

EVAP DATA TAB

The EVAP DATA worksheet contains default data that will be used when historical Lake Somerville evaporation data are not available, as well as monthly pan factors used to translate the Lake Somerville data to gross reservoir evaporation. The worksheet includes five columns, all of which have been populated with data. The applicant will not enter any data in the EVAP DATA worksheet.

Column A Month. Lists each month

Column B Days in Month. Lists the days in each month. End user to modify as needed to accommodate for leap year.

Column C TWDB Average Monthly Rate (in). Lists the 75th percentile evaporation rate for each month, expressed in inches. The data for this column was obtained from the lake evaporation and precipitation database published by the Texas Water Development Board. (TWDB, Water Data for Texas, Lake Evaporation and Precipitation, Quadrant 710, https://waterdatafortexas.org/lake-evaporation-rainfall/api/quads/710/gross_evaporation?data_format=tab&start_date=1940-01&end_date=2021-12)

Column D Daily Pan Rate (in). Expresses the evaporation rate as a daily rate from an evaporation pan, calculated by dividing the monthly rate in Column C by the number of days in the month

(Column B), and then dividing the result by the monthly pan factors in column E. These daily rates will be used if Lake Somerville data are not available.

Column E Pan Factor. The TWDB pan factors for this area.

TWDB PAN LAKE COEFF TAB

The TWDB PAN LAKE COEFF worksheet contains the Texas Water Development Board pan-to-lake coefficients for Texas (TWDB, Water Data for Texas, Lake Evaporation and Precipitation, Pan-to-Lake Coefficients, https://waterdatafortexas.org/lake-evaporation-rainfall/api/pan-to-lake?data_format=csv).

TWDB EVAP TAB

The TWDB EVAP worksheet contains the Texas Water Development Board monthly lake surface evaporation rates for Quadrangle 711 from 1954 to 2021 (TWDB, Water Data for Texas, Lake Evaporation and Precipitation, Quadrant 710, https://waterdatafortexas.org/lake-evaporation-rainfall/api/quads/710/gross_evaporation?data_format=tab&start_date=1940-01&end_date=2021-12).

Row 75 75th Percentile. Calculates the 75th percentile evaporation rate for each month from 1954 to 2021.

Accounting Plan - North

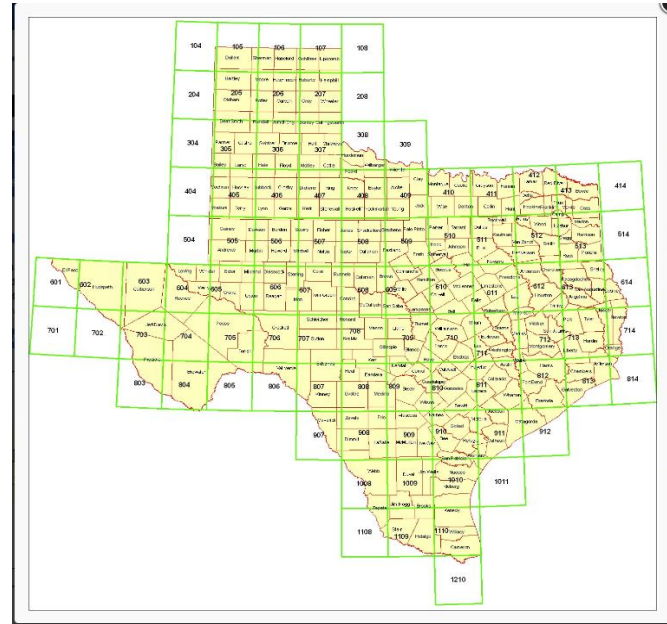
TWDB Link

https://waterdatafortexas.org/lake-evaporation-rainfall/api/quads/710/gross_evaporation?data_format=tab&start_date=1940-01&end_date=2021-12

Texas Water Development Board

Monthly lake surface evaporation in inches, annual total evaporation in inches

| #QUAD | YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 710 | 1954 | 2.19 | 3.66 | 4.05 | 4.79 | 4.96 | 7.62 | 9.04 | 8.61 | 7.38 | 5.01 | 3.65 | 2.98 | 63.94 |
| 710 | 1955 | 2.15 | 2.22 | 3.66 | 5.26 | 5.60 | 6.18 | 6.96 | 6.68 | 5.61 | 6.02 | 4.17 | 2.64 | 57.15 |
| 710 | 1956 | 2.46 | 2.64 | 4.55 | 5.11 | 5.87 | 7.68 | 8.77 | 8.81 | 7.28 | 5.45 | 4.01 | 2.83 | 65.46 |
| 710 | 1957 | 2.60 | 2.09 | 3.28 | 2.75 | 3.30 | 4.96 | 7.76 | 7.89 | 5.23 | 3.87 | 1.84 | 2.27 | 47.84 |
| 710 | 1958 | 2.17 | 2.25 | 2.84 | 3.75 | 4.53 | 6.54 | 7.50 | 6.88 | 4.31 | 3.25 | 2.59 | 2.08 | 48.69 |
| 710 | 1959 | 1.49 | 1.35 | 4.23 | 3.88 | 4.63 | 6.42 | 6.54 | 5.85 | 5.25 | 4.16 | 2.47 | 2.01 | 48.28 |
| 710 | 1960 | 1.61 | 2.46 | 2.76 | 4.60 | 4.76 | 7.30 | 6.56 | 5.57 | 5.81 | 3.99 | 2.62 | 1.70 | 49.74 |
| 710 | 1961 | 1.79 | 2.56 | 3.76 | 5.07 | 5.14 | 5.79 | 5.13 | 6.58 | 5.68 | 4.16 | 2.35 | 2.03 | 50.04 |
| 710 | 1962 | 1.67 | 3.45 | 4.47 | 4.66 | 5.72 | 6.30 | 8.13 | 8.71 | 5.42 | 4.85 | 3.34 | 2.67 | 59.39 |
| 710 | 1963 | 1.93 | 2.90 | 4.79 | 4.92 | 5.17 | 7.32 | 8.71 | 8.59 | 7.21 | 6.02 | 3.97 | 2.23 | 63.76 |
| 710 | 1964 | 3.20 | 2.56 | 4.33 | 4.57 | 4.67 | 7.00 | 8.39 | 7.78 | 4.83 | 5.02 | 3.40 | 2.28 | 58.03 |
| 710 | 1965 | 2.74 | 2.59 | 3.38 | 4.19 | 3.73 | 5.38 | 7.97 | 7.84 | 6.53 | 4.00 | 2.57 | 1.78 | 52.70 |
| 710 | 1966 | 1.23 | 1.44 | 2.82 | 3.31 | 2.88 | 4.60 | 6.62 | 4.78 | 3.98 | 3.41 | 3.14 | 1.72 | 39.93 |
| 710 | 1967 | 2.58 | 2.86 | 5.28 | 5.20 | 5.41 | 7.49 | 8.24 | 7.98 | 4.72 | 4.79 | 2.87 | 2.05 | 59.47 |
| 710 | 1968 | 1.48 | 2.24 | 3.10 | 3.79 | 3.51 | 4.96 | 6.39 | 7.34 | 4.72 | 4.36 | 3.25 | 2.43 | 47.57 |
| 710 | 1969 | 2.29 | 2.13 | 3.43 | 4.28 | 4.01 | 6.89 | 7.98 | 7.29 | 5.10 | 4.27 | 2.97 | 2.29 | 52.93 |
| 710 | 1970 | 1.69 | 2.58 | 3.01 | 3.75 | 4.45 | 6.31 | 7.37 | 7.99 | 4.99 | 4.01 | 3.86 | 3.03 | 53.04 |
| 710 | 1971 | 2.77 | 3.69 | 5.32 | 5.18 | 5.19 | 6.99 | 8.76 | 5.23 | 4.84 | 3.78 | 3.36 | 1.96 | 57.07 |
| 710 | 1972 | 1.78 | 2.83 | 5.07 | 5.80 | 4.85 | 6.12 | 6.32 | 6.02 | 5.33 | 4.18 | 2.42 | 1.65 | 52.37 |
| 710 | 1973 | 1.88 | 1.69 | 3.91 | 3.17 | 5.09 | 5.26 | 6.93 | 6.60 | 4.69 | 3.54 | 3.26 | 2.89 | 48.91 |
| 710 | 1974 | 1.40 | 3.43 | 4.01 | 5.34 | 4.96 | 6.11 | 7.53 | 5.52 | 3.95 | 3.68 | 2.62 | 1.70 | 50.25 |
| 710 | 1975 | 2.11 | 2.57 | 3.52 | 4.23 | 3.18 | 5.46 | 6.09 | 5.77 | 4.75 | 5.10 | 3.85 | 1.98 | 48.61 |
| 710 | 1976 | 2.82 | 3.72 | 3.97 | 3.86 | 4.20 | 5.86 | 5.48 | 6.79 | 4.79 | 3.61 | 2.35 | 2.05 | 49.50 |
| 710 | 1977 | 1.48 | 3.14 | 4.25 | 4.60 | 3.66 | 6.30 | 7.66 | 7.51 | 6.42 | 5.15 | 3.31 | 3.22 | 56.70 |
| 710 | 1978 | 1.78 | 1.76 | 4.18 | 4.68 | 4.93 | 6.45 | 8.40 | 6.80 | 4.01 | 4.81 | 2.48 | 2.06 | 52.34 |
| 710 | 1979 | 2.08 | 2.04 | 3.70 | 3.69 | 3.97 | 5.79 | 6.17 | 5.83 | 5.17 | 5.37 | 2.80 | 2.05 | 48.66 |
| 710 | 1980 | 1.81 | 2.39 | 3.80 | 5.10 | 4.24 | 6.97 | 8.50 | 6.86 | 4.97 | 4.05 | 2.46 | 1.69 | 52.84 |
| 710 | 1981 | 1.93 | 1.95 | 3.45 | 3.48 | 4.30 | 3.96 | 5.74 | 6.20 | 4.89 | 3.45 | 2.76 | 2.39 | 44.50 |
| 710 | 1982 | 2.49 | 2.12 | 2.87 | 3.47 | 3.74 | 5.31 | 6.92 | 7.20 | 5.73 | 3.98 | 2.74 | 1.95 | 48.52 |
| 710 | 1983 | 1.51 | 2.02 | 3.35 | 4.69 | 4.31 | 4.67 | 5.99 | 5.59 | 4.85 | 4.15 | 3.17 | 1.99 | 46.29 |
| 710 | 1984 | 2.64 | 2.99 | 4.27 | 5.94 | 5.62 | 6.37 | 7.52 | 6.55 | 5.86 | 3.26 | 3.02 | 1.81 | 55.85 |
| 710 | 1985 | 2.37 | 1.62 | 3.07 | 3.80 | 4.79 | 5.77 | 6.86 | 8.03 | 5.66 | 3.51 | 2.03 | 1.74 | 49.25 |
| 710 | 1986 | 2.42 | 2.62 | 4.46 | 4.18 | 3.60 | 4.91 | 7.80 | 6.21 | 4.25 | 3.06 | 2.41 | 1.31 | 47.23 |
| 710 | 1987 | 2.03 | 2.09 | 3.61 | 5.24 | 3.64 | 4.67 | 6.00 | 7.23 | 5.27 | 4.87 | 2.99 | 1.87 | 49.51 |
| 710 | 1988 | 2.31 | 2.34 | 3.66 | 4.66 | 4.95 | 5.92 | 6.36 | 6.90 | 6.27 | 5.07 | 4.10 | 2.26 | 54.80 |
| 710 | 1989 | 2.00 | 2.20 | 3.24 | 4.36 | 4.62 | 5.58 | 6.91 | 6.58 | 6.07 | 5.12 | 3.05 | 2.69 | 52.42 |
| 710 | 1990 | 2.51 | 2.78 | 2.62 | 3.78 | 5.02 | 7.40 | 6.25 | 6.99 | 4.94 | 4.51 | 2.72 | 2.04 | 51.56 |
| 710 | 1991 | 1.83 | 2.13 | 4.12 | 3.49 | 4.66 | 5.99 | 7.45 | 7.12 | 4.95 | 5.80 | 3.04 | 2.02 | 52.60 |
| 710 | 1992 | 2.01 | 2.39 | 3.58 | 3.81 | 4.24 | 5.75 | 6.67 | 5.90 | 5.82 | 5.01 | 3.11 | 1.78 | 50.07 |
| 710 | 1993 | 2.26 | 2.06 | 2.98 | 4.13 | 4.99 | 5.62 | 8.26 | 9.13 | 7.08 | 5.01 | 2.50 | 2.86 | 56.88 |
| 710 | 1994 | 2.04 | 1.88 | 3.86 | 3.91 | 3.87 | 6.14 | 8.22 | 5.92 | 4.99 | 4.13 | 2.70 | 2.36 | 50.08 |
| 710 | 1995 | 2.00 | 2.05 | 2.97 | 3.98 | 4.13 | 5.69 | 7.00 | 5.76 | 5.00 | 5.16 | 2.91 | 2.25 | 48.90 |
| 710 | 1996 | 2.58 | 3.46 | 3.28 | 5.56 | 5.88 | 6.16 | 8.02 | 6.40 | 4.45 | 4.19 | 3.07 | 2.66 | 55.71 |
| 710 | 1997 | 2.00 | 2.04 | 3.01 | 3.69 | 3.75 | 5.16 | 7.50 | 6.81 | 5.66 | 3.85 | 2.75 | 2.18 | 48.40 |
| 710 | 1998 | 2.05 | 2.72 | 4.06 | 4.98 | 5.55 | 7.73 | 8.31 | 6.44 | 4.81 | 4.08 | 2.61 | 2.10 | 55.44 |
| 710 | 1999 | 3.16 | 2.69 | 3.30 | 4.72 | 5.02 | 5.94 | 7.62 | 8.76 | 8.16 | 5.60 | 4.17 | 3.18 | 62.00 |
| 710 | 2000 | 2.81 | 3.44 | 3.96 | 4.26 | 4.37 | 5.21 | 8.05 | 7.43 | 6.41 | 3.53 | 3.24 | 2.30 | 55.01 |
| 710 | 2001 | 1.98 | 1.89 | 2.60 | 3.50 | 4.89 | 5.83 | 7.40 | 7.45 | 4.47 | 4.05 | 2.67 | 1.63 | 48.36 |
| 710 | 2002 | 2.09 | 2.62 | 3.14 | 4.18 | 5.42 | 6.48 | 5.53 | 6.72 | 5.50 | 3.44 | 2.95 | 2.14 | 50.21 |
| 710 | 2003 | 1.94 | 1.68 | 2.86 | 4.58 | 4.43 | 5.69 | 6.02 | 7.02 | 4.27 | 3.81 | 2.66 | 2.62 | 47.58 |
| 710 | 2004 | 1.75 | 1.81 | 2.93 | 3.67 | 4.12 | 4.77 | 5.78 | 6.22 | 4.95 | 3.13 | 2.31 | 2.02 | 43.46 |
| 710 | 2005 | 1.82 | 1.76 | 3.72 | 4.56 | 4.49 | 6.41 | 6.36 | 6.14 | 5.91 | 4.02 | 3.41 | 2.66 | 51.26 |
| 710 | 2006 | 3.40 | 2.38 | 3.86 | 5.17 | 5.61 | 6.40 | 6.73 | 7.92 | 5.44 | 4.16 | 3.13 | 2.08 | 56.28 |
| 710 | 2007 | 1.63 | 2.79 | 3.10 | 3.53 | 3.59 | 4.69 | 4.17 | 5.71 | 4.37 | 4.02 | 2.97 | 2.03 | 42.60 |
| 710 | 2008 | 2.14 | 2.96 | 3.64 | 4.38 | 5.03 | 7.69 | 6.66 | 6.52 | 5.58 | 4.46 | 3.19 | 2.46 | 54.71 |
| 710 | 2009 | 2.76 | 3.32 | 3.94 | 5.10 | 4.83 | 7.43 | 7.80 | 7.70 | 4.17 | 3.37 | 2.42 | 1.93 | 54.77 |
| 710 | 2010 | 1.69 | 1.86 | 4.17 | 4.08 | 4.64 | 5.77 | 5.74 | 7.53 | 4.85 | 4.50 | 3.22 | 2.66 | 50.71 |
| 710 | 2011 | 2.13 | 2.12 | 4.26 | 5.71 | 5.85 | 8.37 | 8.43 | 8.91 | 7.88 | 5.24 | 3.56 | 2.15 | 64.61 |
| 710 | 2012 | 2.79 | 2.53 | 3.64 | 4.89 | 4.72 | 6.36 | 6.32 | 8.02 | 6.20 | 3.73 | 4.02 | 2.29 | 55.52 |
| 710 | 2013 | 2.39 | 3.21 | 4.22 | 3.56 | 5.19 | 6.27 | 7.44 | 6.51 | 6.48 | 4.13 | 2.64 | 1.47 | 53.77 |
| 710 | 2014 | 2.93 | 1.57 | 3.96 | 5.03 | 5.30 | 5.33 | 6.93 | 7.99 | 5.14 | 4.46 | 2.99 | 1.91 | 53.76 |
| 710 | 2015 | 2.15 | 2.24 | 2.90 | 3.56 | 4.52 | 5.50 | 6.73 | 7.13 | 5.57 | 5.29 | 2.64 | 1.96 | 50.18 |
| 710 | 2016 | 1.91 | 3.37 | 3.86 | 4.34 | 4.02 | 5.63 | 7.44 | 6.05 | 5.68 | 4.67 | 3.29 | 2.56 | 52.70 |
| 710 | 2017 | 2.88 | 3.14 | 3.90 | 4.31 | 5.23 | 6.27 | 7.46 | 6.39 | 4.61 | 4.39 | 2.98 | 2.38 | 54.16 |
| 710 | 2018 | 1.74 | 1.49 | 3.31 | 5.74 | 4.82 | 8.25 | 7.58 | 7.52 | 2.80 | 2.17 | 1.84 | 1.62 | 49.69 |
| 710 | 2019 | 1.75 | 1.58 | 2.62 | 3.54 | 3.49 | 5.01 | 6.21 | 6.96 | 5.35 | 3.7 | 2.02 | 1.65 | 43.95 |
| 710 | 2020 | 1.64 | 1.77 | 2.12 | 2.25 | 4.21 | 5.55 | 6.24 | 8.59 | 4.05 | 2.7 | 2.74 | 1.79 | 43.85 |
| 710 | 2021 | 2.03 | 1.76 | 2.39 | 3.48 | 3.23 | 4.72 | 5.22 | 5.19 | 5.01 | 3.83 | 2.13 | 1.72 | 40.68 |
| 75th Percentile | | 2.47 | 2.80 | 4.05 | 4.94 | 5.05 | 6.46 | 7.91 | 7.72 | 5.75 | 4.91 | 3.25 | 2.40 | 55.12 |



Accounting Plan - South

TWDB Link

https://waterdatafortexas.org/lake-evaporation-rainfall/api/quads/710/gross_evaporation?data_format=tab&start_date=1940-01&end_date=2021-12

Texas Water Development Board

Monthly lake surface evaporation in inches, annual total evaporation in inches

| #QUAD | YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 710 | 1954 | 2.19 | 3.66 | 4.05 | 4.79 | 4.96 | 7.62 | 9.04 | 8.61 | 7.38 | 5.01 | 3.65 | 2.98 | 63.94 |
| 710 | 1955 | 2.15 | 2.22 | 3.66 | 5.26 | 5.60 | 6.18 | 6.96 | 6.68 | 5.61 | 6.02 | 4.17 | 2.64 | 57.15 |
| 710 | 1956 | 2.46 | 2.64 | 4.55 | 5.11 | 5.87 | 7.68 | 8.77 | 8.81 | 7.28 | 5.45 | 4.01 | 2.83 | 65.46 |
| 710 | 1957 | 2.60 | 2.09 | 3.28 | 2.75 | 3.30 | 4.96 | 7.76 | 7.89 | 5.23 | 3.87 | 1.84 | 2.27 | 47.84 |
| 710 | 1958 | 2.17 | 2.25 | 2.84 | 3.75 | 4.53 | 6.54 | 7.50 | 6.88 | 4.31 | 3.25 | 2.59 | 2.08 | 48.69 |
| 710 | 1959 | 1.49 | 1.35 | 4.23 | 3.88 | 4.63 | 6.42 | 6.54 | 5.85 | 5.25 | 4.16 | 2.47 | 2.01 | 48.28 |
| 710 | 1960 | 1.61 | 2.46 | 2.76 | 4.60 | 4.76 | 7.30 | 6.56 | 5.57 | 5.81 | 3.99 | 2.62 | 1.70 | 49.74 |
| 710 | 1961 | 1.79 | 2.56 | 3.76 | 5.07 | 5.14 | 5.79 | 5.13 | 6.58 | 5.68 | 4.16 | 2.35 | 2.03 | 50.04 |
| 710 | 1962 | 1.67 | 3.45 | 4.47 | 4.66 | 5.72 | 6.30 | 8.13 | 8.71 | 5.42 | 4.85 | 3.34 | 2.67 | 59.39 |
| 710 | 1963 | 1.93 | 2.90 | 4.79 | 4.92 | 5.17 | 7.32 | 8.71 | 8.59 | 7.21 | 6.02 | 3.97 | 2.23 | 63.76 |
| 710 | 1964 | 3.20 | 2.56 | 4.33 | 4.57 | 4.67 | 7.00 | 8.39 | 7.78 | 4.83 | 5.02 | 3.40 | 2.28 | 58.03 |
| 710 | 1965 | 2.74 | 2.59 | 3.38 | 4.19 | 3.73 | 5.38 | 7.97 | 7.84 | 6.53 | 4.00 | 2.57 | 1.78 | 52.70 |
| 710 | 1966 | 1.23 | 1.44 | 2.82 | 3.31 | 2.88 | 4.60 | 6.62 | 4.78 | 3.98 | 3.41 | 3.14 | 1.72 | 39.93 |
| 710 | 1967 | 2.58 | 2.86 | 5.28 | 5.20 | 5.41 | 7.49 | 8.24 | 7.98 | 4.72 | 4.79 | 2.87 | 2.05 | 59.47 |
| 710 | 1968 | 1.48 | 2.24 | 3.10 | 3.79 | 3.51 | 4.96 | 6.39 | 7.34 | 4.72 | 4.36 | 3.25 | 2.43 | 47.57 |
| 710 | 1969 | 2.29 | 2.13 | 3.43 | 4.28 | 4.01 | 6.89 | 7.98 | 7.29 | 5.10 | 4.27 | 2.97 | 2.29 | 52.93 |
| 710 | 1970 | 1.69 | 2.58 | 3.01 | 3.75 | 4.45 | 6.31 | 7.37 | 7.99 | 4.99 | 4.01 | 3.86 | 3.03 | 53.04 |
| 710 | 1971 | 2.77 | 3.69 | 5.32 | 5.18 | 5.19 | 6.99 | 8.76 | 5.23 | 4.84 | 3.78 | 3.36 | 1.96 | 57.07 |
| 710 | 1972 | 1.78 | 2.83 | 5.07 | 5.80 | 4.85 | 6.12 | 6.32 | 6.02 | 5.33 | 4.18 | 2.42 | 1.65 | 52.37 |
| 710 | 1973 | 1.88 | 1.69 | 3.91 | 3.17 | 5.09 | 5.26 | 6.93 | 6.60 | 4.69 | 3.54 | 3.26 | 2.89 | 48.91 |
| 710 | 1974 | 1.40 | 3.43 | 4.01 | 5.34 | 4.96 | 6.11 | 7.53 | 5.52 | 3.95 | 3.68 | 2.62 | 1.70 | 50.25 |
| 710 | 1975 | 2.11 | 2.57 | 3.52 | 4.23 | 3.18 | 5.46 | 6.09 | 5.77 | 4.75 | 5.10 | 3.85 | 1.98 | 48.61 |
| 710 | 1976 | 2.82 | 3.72 | 3.97 | 3.86 | 4.20 | 5.86 | 5.48 | 6.79 | 4.79 | 3.61 | 2.35 | 2.05 | 49.50 |
| 710 | 1977 | 1.48 | 3.14 | 4.25 | 4.60 | 3.66 | 6.30 | 7.66 | 7.51 | 6.42 | 5.15 | 3.31 | 3.22 | 56.70 |
| 710 | 1978 | 1.78 | 1.76 | 4.18 | 4.68 | 4.93 | 6.45 | 8.40 | 6.80 | 4.01 | 4.81 | 2.48 | 2.06 | 52.34 |
| 710 | 1979 | 2.08 | 2.04 | 3.70 | 3.69 | 3.97 | 5.79 | 6.17 | 5.83 | 5.17 | 5.37 | 2.80 | 2.05 | 48.66 |
| 710 | 1980 | 1.81 | 2.39 | 3.80 | 5.10 | 4.24 | 6.97 | 8.50 | 6.86 | 4.97 | 4.05 | 2.46 | 1.69 | 52.84 |
| 710 | 1981 | 1.93 | 1.95 | 3.45 | 3.48 | 4.30 | 3.96 | 5.74 | 6.20 | 4.89 | 3.45 | 2.76 | 2.39 | 44.50 |
| 710 | 1982 | 2.49 | 2.12 | 2.87 | 3.47 | 3.74 | 5.31 | 6.92 | 7.20 | 5.73 | 3.98 | 2.74 | 1.95 | 48.52 |
| 710 | 1983 | 1.51 | 2.02 | 3.35 | 4.69 | 4.31 | 4.67 | 5.99 | 5.59 | 4.85 | 4.15 | 3.17 | 1.99 | 46.29 |
| 710 | 1984 | 2.64 | 2.99 | 4.27 | 5.94 | 5.62 | 6.37 | 7.52 | 6.55 | 5.86 | 3.26 | 3.02 | 1.81 | 55.85 |
| 710 | 1985 | 2.37 | 1.62 | 3.07 | 3.80 | 4.79 | 5.77 | 6.86 | 8.03 | 5.66 | 3.51 | 2.03 | 1.74 | 49.25 |
| 710 | 1986 | 2.42 | 2.62 | 4.46 | 4.18 | 3.60 | 4.91 | 7.80 | 6.21 | 4.25 | 3.06 | 2.41 | 1.31 | 47.23 |
| 710 | 1987 | 2.03 | 2.09 | 3.61 | 5.24 | 3.64 | 4.67 | 6.00 | 7.23 | 5.27 | 4.87 | 2.99 | 1.87 | 49.51 |
| 710 | 1988 | 2.31 | 2.34 | 3.66 | 4.66 | 4.95 | 5.92 | 6.36 | 6.90 | 6.27 | 5.07 | 4.10 | 2.26 | 54.80 |
| 710 | 1989 | 2.00 | 2.20 | 3.24 | 4.36 | 4.62 | 5.58 | 6.91 | 6.58 | 6.07 | 5.12 | 3.05 | 2.69 | 52.42 |
| 710 | 1990 | 2.51 | 2.78 | 2.62 | 3.78 | 5.02 | 7.40 | 6.25 | 6.99 | 4.94 | 4.51 | 2.72 | 2.04 | 51.56 |
| 710 | 1991 | 1.83 | 2.13 | 4.12 | 3.49 | 4.66 | 5.99 | 7.45 | 7.12 | 4.95 | 5.80 | 3.04 | 2.02 | 52.60 |
| 710 | 1992 | 2.01 | 2.39 | 3.58 | 3.81 | 4.24 | 5.75 | 6.67 | 5.90 | 5.82 | 5.01 | 3.11 | 1.78 | 50.07 |
| 710 | 1993 | 2.26 | 2.06 | 2.98 | 4.13 | 4.99 | 5.62 | 8.26 | 9.13 | 7.08 | 5.01 | 2.50 | 2.86 | 56.88 |
| 710 | 1994 | 2.04 | 1.88 | 3.86 | 3.91 | 3.87 | 6.14 | 8.22 | 5.92 | 4.99 | 4.13 | 2.70 | 2.36 | 50.08 |
| 710 | 1995 | 2.00 | 2.05 | 2.97 | 3.98 | 4.13 | 5.69 | 7.00 | 5.76 | 5.00 | 5.16 | 2.91 | 2.25 | 48.90 |
| 710 | 1996 | 2.58 | 3.46 | 3.28 | 5.56 | 5.88 | 6.16 | 8.02 | 6.40 | 4.45 | 4.19 | 3.07 | 2.66 | 55.71 |
| 710 | 1997 | 2.00 | 2.04 | 3.01 | 3.69 | 3.75 | 5.16 | 7.50 | 6.81 | 5.66 | 3.85 | 2.75 | 2.18 | 48.40 |
| 710 | 1998 | 2.05 | 2.72 | 4.06 | 4.98 | 5.55 | 7.73 | 8.31 | 6.44 | 4.81 | 4.08 | 2.61 | 2.10 | 55.44 |
| 710 | 1999 | 3.16 | 2.69 | 3.30 | 4.72 | 5.02 | 5.94 | 7.62 | 8.76 | 8.16 | 5.60 | 4.17 | 3.18 | 62.00 |
| 710 | 2000 | 2.81 | 3.44 | 3.96 | 4.26 | 4.37 | 5.21 | 8.05 | 7.43 | 6.41 | 3.53 | 3.24 | 2.30 | 55.01 |
| 710 | 2001 | 1.98 | 1.89 | 2.60 | 3.50 | 4.89 | 5.83 | 7.40 | 7.45 | 4.47 | 4.05 | 2.67 | 1.63 | 48.36 |
| 710 | 2002 | 2.09 | 2.62 | 3.14 | 4.18 | 5.42 | 6.48 | 5.53 | 6.72 | 5.50 | 3.44 | 2.95 | 2.14 | 50.21 |
| 710 | 2003 | 1.94 | 1.68 | 2.86 | 4.58 | 4.43 | 5.69 | 6.02 | 7.02 | 4.27 | 3.81 | 2.66 | 2.62 | 47.58 |
| 710 | 2004 | 1.75 | 1.81 | 2.93 | 3.67 | 4.12 | 4.77 | 5.78 | 6.22 | 4.95 | 3.13 | 2.31 | 2.02 | 43.46 |
| 710 | 2005 | 1.82 | 1.76 | 3.72 | 4.56 | 4.49 | 6.41 | 6.36 | 6.14 | 5.91 | 4.02 | 3.41 | 2.66 | 51.26 |
| 710 | 2006 | 3.40 | 2.38 | 3.86 | 5.17 | 5.61 | 6.40 | 6.73 | 7.92 | 5.44 | 4.16 | 3.13 | 2.08 | 56.28 |
| 710 | 2007 | 1.63 | 2.79 | 3.10 | 3.53 | 3.59 | 4.69 | 4.17 | 5.71 | 4.37 | 4.02 | 2.97 | 2.03 | 42.60 |
| 710 | 2008 | 2.14 | 2.96 | 3.64 | 4.38 | 5.03 | 7.69 | 6.66 | 6.52 | 5.58 | 4.46 | 3.19 | 2.46 | 54.71 |
| 710 | 2009 | 2.76 | 3.32 | 3.94 | 5.10 | 4.83 | 7.43 | 7.80 | 7.70 | 4.17 | 3.37 | 2.42 | 1.93 | 54.77 |
| 710 | 2010 | 1.69 | 1.86 | 4.17 | 4.08 | 4.64 | 5.77 | 5.74 | 7.53 | 4.85 | 4.50 | 3.22 | 2.66 | 50.71 |
| 710 | 2011 | 2.13 | 2.12 | 4.26 | 5.71 | 5.85 | 8.37 | 8.43 | 8.91 | 7.88 | 5.24 | 3.56 | 2.15 | 64.61 |
| 710 | 2012 | 2.79 | 2.53 | 3.64 | 4.89 | 4.72 | 6.36 | 6.32 | 8.02 | 6.20 | 3.73 | 4.02 | 2.29 | 55.52 |
| 710 | 2013 | 2.39 | 3.21 | 4.22 | 3.56 | 5.19 | 6.27 | 7.44 | 6.51 | 6.48 | 4.13 | 2.64 | 1.47 | 53.77 |
| 710 | 2014 | 2.93 | 1.57 | 3.96 | 5.03 | 5.30 | 5.33 | 6.93 | 7.99 | 5.14 | 4.46 | 2.99 | 1.91 | 53.76 |
| 710 | 2015 | 2.15 | 2.24 | 2.90 | 3.56 | 4.52 | 5.50 | 6.73 | 7.13 | 5.57 | 5.29 | 2.64 | 1.96 | 50.18 |
| 710 | 2016 | 1.91 | 3.37 | 3.86 | 4.34 | 4.02 | 5.63 | 7.44 | 6.05 | 5.68 | 4.67 | 3.29 | 2.56 | 52.70 |
| 710 | 2017 | 2.88 | 3.14 | 3.90 | 4.31 | 5.23 | 6.27 | 7.46 | 6.39 | 4.61 | 4.39 | 2.98 | 2.38 | 54.16 |
| 710 | 2018 | 1.74 | 1.49 | 3.31 | 5.74 | 4.82 | 8.25 | 7.58 | 7.52 | 2.80 | 2.17 | 1.84 | 1.62 | 49.69 |
| 710 | 2019 | 1.75 | 1.58 | 2.62 | 3.54 | 3.49 | 5.01 | 6.21 | 6.96 | 5.35 | 3.7 | 2.02 | 1.65 | 43.95 |
| 710 | 2020 | 1.64 | 1.77 | 2.12 | 2.25 | 4.21 | 5.55 | 6.24 | 8.59 | 4.05 | 2.7 | 2.74 | 1.79 | 43.85 |
| 710 | 2021 | 2.03 | 1.76 | 2.39 | 3.48 | 3.23 | 4.72 | 5.22 | 5.19 | 5.01 | 3.83 | 2.13 | 1.72 | 40.68 |
| 75th Percentile | | 2.47 | 2.80 | 4.05 | 4.94 | 5.05 | 6.46 | 7.91 | 7.72 | 5.75 | 4.91 | 3.25 | 2.40 | 55.12 |

