Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 68-13-103

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6813103
County	Comal
River Basin	Guadalupe
Groundwater Management Area	9
Regional Water Planning Area	L - South Central Texas
Groundwater Conservation District	Comal Trinity GCD
Latitude (decimal degrees)	29.8479111
Latitude (degrees minutes seconds)	29° 50' 52.48" N
Longitude (decimal degrees)	-98.4918111
Longitude (degrees minutes seconds)	098° 29' 30.52" W
Coordinate Source	Global Positioning System - GPS
Aquifer Code	218GLRT - Glen Rose Limestone and Trinity Sand, Undifferentiated
Aquifer	Trinity
Aquifer Pick Method	Assigned by Professional Geoscientist using all available documentation
Land Surface Elevation (feet above sea level)	1135
Land Surface Elevation Method	Digital Elevation Model -DEM
Well Depth (feet below land surface)	
Well Depth Source	
Drilling Start Date	
Drilling End Date	
Drilling Method	
Borehole Completion	

Well Type	Spring
Well Use	Unused
Water Level Observation	None
Water Quality Available	Yes
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Joyce Moore Honey Creek Cave Spring
Driller	
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	295108098292901
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Unknown
Created Date	11/6/2003
Last Update Date	6/17/2021

Remarks	Honey Creek originates from springs in Honey Creek Cave. Springs originate from the Middle Trinity (Glen Rose Formation) Aquifer.

Casing - No Data

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

Water Level Measurements

No Data Available

Water Quality Analysis

Sample Date: 7/18/2019 **Sample Time:** 1010 **Sample Number:** 1 **Collection Entity:** Texas Water Development Board

Sampled Aquifer: Glen Rose Limestone and Trinity Sand, Undifferentiated

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
00425	ALKALINITY, BICARBONATE DISSOLVED (MG/L), LAB		309	mg/L	
00430	ALKALINITY, CARBONATE DISSOLVED (MG/L), LAB		0	mg/L	
00420	ALKALINITY, HYDROXIDE DISSOLVED (MG/L), LAB		0	mg/L	
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		309	mg/L as CACO3	
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	<	5	ug/L	
50938	ANION/CATION CHG BAL, PERCENT		3.932	PCT	
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)		41	ug/L	
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	<	1	ug/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		377.087	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)	<	50	ug/L	
71870	BROMIDE, DISSOLVED, (MG/L AS BR)		0.0894	mg/L	
01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	1	ug/L	
00915	CALCIUM, DISSOLVED (MG/L AS CA)		128	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		10.8	mg/L	
01030	CHROMIUM, DISSOLVED (UG/L AS CR)		1.94	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)		0.102	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		345.661	mg/L as CACO3	
01046	IRON, DISSOLVED (UG/L AS FE)	<	50	ug/L	
01049	LEAD, DISSOLVED (UG/L AS PB)	<	1	ug/L	
01130	LITHIUM, DISSOLVED (UG/L AS LI)	<	2	ug/L	
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		6.27	mg/L	
01056	MANGANESE, DISSOLVED (UG/L AS MN)	<	1	ug/L	
71890	MERCURY, DISSOLVED (UG/L AS HG)	<	0.2	ug/L	
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	<	1	ug/L	

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		2.895	mg/L as NO3	
00631	NITRITE PLUS NITRATE, DISSOLVED (MG/L AS N)		0.654	mg/L as N	
00400	PH (STANDARD UNITS), FIELD		6.93	SU	
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	<	0.02	mg/L as P	
00935	POTASSIUM, DISSOLVED (MG/L AS K)		1.24	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
01145	SELENIUM, DISSOLVED (UG/L AS SE)	<	5	ug/L	
00955	SILICA, DISSOLVED (MG/L AS SI02)		10.8	mg/L as SIO2	
01075	SILVER, DISSOLVED (UG/L AS AG)	<	1	ug/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		0.176		
00932	SODIUM, CALCULATED, PERCENT		4.524	PCT	
00930	SODIUM, DISSOLVED (MG/L AS NA)		7.52	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		552	MICR	
01080	STRONTIUM, DISSOLVED (UG/L AS SR)		138	ug/L	
00946	SULFATE, DISSOLVED (MG/L AS SO4)		8.56	mg/L as SO4	
00010	TEMPERATURE, WATER (CELSIUS)		21.1	C	
01057	THALLIUM, DISSOLVED (UG/L AS TL)	<	1	ug/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		361.739	mg/L	
22703	URANIUM, NATURAL, DISSOLVED (UG/L AS U)		1.13	ug/L	
01085	VANADIUM, DISSOLVED (UG/L AS V)		3.1	ug/L	
01090	ZINC, DISSOLVED (UG/L AS ZN)	<	5	ug/L	

Water Quality Analysis

Sample Date: 7/22/2020 **Sample Time:** 0951 **Sample Number:** 1 **Collection Entity:** Texas Water Development Board

Sampled Aquifer: Glen Rose Limestone and Trinity Sand, Undifferentiated

Analyzed Lab: LCRA - Lower Colorado River Authority **Reliability:** Sampled using TWDB protocols

Collection Remarks: Collected ~10 meters inside entrance of Honey Creek Cave using a peristaltic pump.

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
39086	ALKALINITY FIELD DISSOLVED AS CACO3		292	mg/L as CACO3	
00425	ALKALINITY, BICARBONATE DISSOLVED (MG/L), LAB		292	mg/L	
00430	ALKALINITY, CARBONATE DISSOLVED (MG/L), LAB		0	mg/L	
00420	ALKALINITY, HYDROXIDE DISSOLVED (MG/L), LAB		0	mg/L	
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		292	mg/L as CACO3	
01106	ALUMINUM, DISSOLVED (UG/L AS AL)		6.6	ug/L	
50938	ANION/CATION CHG BAL, PERCENT		2.61	PCT	
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)		36.7	ug/L	
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	<	1	ug/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		356.341	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)	<	50	ug/L	
71870	BROMIDE, DISSOLVED, (MG/L AS BR)		0.0658	mg/L	
01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	1	ug/L	
00915	CALCIUM, DISSOLVED (MG/L AS CA)		116	mg/L	
28004	CARBON-14 DISS APPARENT AGE (YEARS BP)		370	Y-BP	
82172	CARBON-14 FRACTION MODERN		0.9552		0.0035
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		9.17	mg/L	
01030	CHROMIUM, DISSOLVED (UG/L AS CR)		6.8	ug/L	
01035	COBALT, DISSOLVED (UG/L AS CO)	<	1	ug/L	
01040	COPPER, DISSOLVED (UG/L AS CU)	<	1	ug/L	
82081	DELTA CARBON 13 C13/C12 PER MIL		-12.1	0/00	
50791	DEUTERIUM, EXPRESSED AS PERMIL VSMOW		-23.04	0/00	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.11	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		317.878	mg/L as CACO3	
01046	IRON, DISSOLVED (UG/L AS FE)	<	50	ug/L	
01049	LEAD, DISSOLVED (UG/L AS PB)	<	1	ug/L	

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
01130	LITHIUM, DISSOLVED (UG/L AS LI)	<	2	ug/L	
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		6.8	mg/L	
01056	MANGANESE, DISSOLVED (UG/L AS MN)	<	1	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)		3.28	mg/L as NO3	
00631	NITRITE PLUS NITRATE, DISSOLVED (MG/L AS N)		0.741	mg/L as N	
50790	OXYGEN-18, EXPRESSED AS PERMIL VSMOW		-4.23	0/00	
00400	PH (STANDARD UNITS), FIELD		7.11	SU	
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	<	0.02	mg/L as P	
00935	POTASSIUM, DISSOLVED (MG/L AS K)		1.24	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
01145	SELENIUM, DISSOLVED (UG/L AS SE)	<	5	ug/L	
00955	SILICA, DISSOLVED (MG/L AS SI02)		12.1	mg/L as SIO2	
01075	SILVER, DISSOLVED (UG/L AS AG)	<	1	ug/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		0.148		
00932	SODIUM, CALCULATED, PERCENT		3.993	PCT	
00930	SODIUM, DISSOLVED (MG/L AS NA)		6.07	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		459	MICR	
01080	STRONTIUM, DISSOLVED (UG/L AS SR)		142	ug/L	
48297	STRONTIUM, ISOTOPE OF MASS 86 AND 87 RATIO		0.70816	N/A	
00946	SULFATE, DISSOLVED (MG/L AS SO4)		7.32	mg/L as SO4	
00010	TEMPERATURE, WATER (CELSIUS)		21.1	C	
01057	THALLIUM, DISSOLVED (UG/L AS TL)	<	1	ug/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		337.445	mg/L	
07012	TRITIUM IN WATER (TRITIUM UNITS)		1.69	TU	0.09
22703	URANIUM, NATURAL, DISSOLVED (UG/L AS U)		1.08	ug/L	
01085	VANADIUM, DISSOLVED (UG/L AS V)		4.35	ug/L	
01090	ZINC, DISSOLVED (UG/L AS ZN)	<	5	ug/L	

Water Quality Analysis

Sample Date: 6/21/2021 **Sample Time:** 1316 **Sample Number:** 1 **Collection Entity:** Texas Water Development Board

Sampled Aquifer: Glen Rose Limestone and Trinity Sand, Undifferentiated

Analyzed Lab: LCRA - Lower Colorado River Authority **Reliability:** Sampled using TWDB protocols

Collection Remarks: Collected ~5 meters inside entrance of Honey Creek Cave using a peristaltic pump.

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00425	ALKALINITY, BICARBONATE DISSOLVED (MG/L), LAB		296	mg/L	
00430	ALKALINITY, CARBONATE DISSOLVED (MG/L), LAB		0	mg/L	
00420	ALKALINITY, HYDROXIDE DISSOLVED (MG/L), LAB		0	mg/L	
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		296	mg/L as CACO3	
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	<	5	ug/L	
50938	ANION/CATION CHG BAL, PERCENT		2.16	PCT	
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	<	1	ug/L	
01000	ARSENIC, DISSOLVED (UG/L AS AS)		6	ug/L	
01005	BARIUM, DISSOLVED (UG/L AS BA)		15	ug/L	
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	<	1	ug/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		361.222	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)	<	50	ug/L	
71870	BROMIDE, DISSOLVED, (MG/L AS BR)		0.0684	mg/L	
01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	1	ug/L	
00915	CALCIUM, DISSOLVED (MG/L AS CA)		120	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		9.06	mg/L	
01030	CHROMIUM, DISSOLVED (UG/L AS CR)		3.05	ug/L	
01035	COBALT, DISSOLVED (UG/L AS CO)	<	1	ug/L	
01040	COPPER, DISSOLVED (UG/L AS CU)		1.27	ug/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.102	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		321.179	mg/L as CACO3	
01046	IRON, DISSOLVED (UG/L AS FE)	<	50	ug/L	
01049	LEAD, DISSOLVED (UG/L AS PB)	<	1	ug/L	
01130	LITHIUM, DISSOLVED (UG/L AS LI)		152	ug/L	
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		5.18	mg/L	
01056	MANGANESE, DISSOLVED (UG/L AS MN)		8.42	ug/L	
71890	MERCURY, DISSOLVED (UG/L AS HG)	<	0.2	ug/L	
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)		9.03	ug/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		2.594	mg/L as NO3	

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00631	NITRITE PLUS NITRATE, DISSOLVED (MG/L AS N)		0.586	mg/L as N	
00400	PH (STANDARD UNITS), FIELD		7.15	SU	
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	<	0.02	mg/L as P	
00935	POTASSIUM, DISSOLVED (MG/L AS K)		1.1	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
01145	SELENIUM, DISSOLVED (UG/L AS SE)		34.9	ug/L	
00955	SILICA, DISSOLVED (MG/L AS SI02)		10.4	mg/L as SIO2	
01075	SILVER, DISSOLVED (UG/L AS AG)	<	1	ug/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		0.143		
00932	SODIUM, CALCULATED, PERCENT		3.828	PCT	
00930	SODIUM, DISSOLVED (MG/L AS NA)		5.87	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		551	MICR	
01080	STRONTIUM, DISSOLVED (UG/L AS SR)		127	ug/L	
00946	SULFATE, DISSOLVED (MG/L AS SO4)		8.92	mg/L as SO4	
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)		340.966	mg/L	
22703	URANIUM, NATURAL, DISSOLVED (UG/L AS U)		18.7	ug/L	
01085	VANADIUM, DISSOLVED (UG/L AS V)		31	ug/L	
01090	ZINC, DISSOLVED (UG/L AS ZN)		11.7	ug/L	

Water Quality Analysis

Sample Date: 5/19/2022 **Sample Time:** 1022 **Sample Number:** 1 **Collection Entity:** Texas Water Development Board

Sampled Aquifer: Glen Rose Limestone and Trinity Sand, Undifferentiated

Analyzed Lab: TWDB Field Analysis **Reliability:** Sampled using TWDB protocols

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00400	PH (STANDARD UNITS), FIELD		7.19	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		567	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		21.1	C	

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