Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 40-61-109

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	4061109
County	Bell
River Basin	Brazos
Groundwater Management Area	8
Regional Water Planning Area	G - Brazos G
Groundwater Conservation District	Clearwater UWCD
Latitude (decimal degrees)	31.1105694
Latitude (degrees minutes seconds)	31° 06' 38.05" N
Longitude (decimal degrees)	-97.46795
Longitude (degrees minutes seconds)	097° 28' 04.62" W
Coordinate Source	Global Positioning System - GPS
Aquifer Code	218CMPK - Comanche Peak Limestone
Aquifer	Trinity
Aquifer Pick Method	Assigned by Professional Geoscientist using all available documentation
Land Surface Elevation (feet above sea level)	576
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	Miller Springs Nature Center Triple Springs
Driller	
Other Data Available	
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	Triple Springs
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	6/4/2019
Last Update Date	7/15/2020

Remarks	Owner's "Triple Springs" are composed of 3 springs that issue from a steep hillside. The springs provide flow to a small waterfall and body of water within Miller Springs Park.

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: 5/23/2019 **Sample Time:** 1215 **Sample Number:** 1 **Collection Entity:** Texas Water Development Board

Sampled Aquifer: Comanche Peak Limestone

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

Collection Remarks: Baseline field data only. Sampled at orifice of middle spring.

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00400	PH (STANDARD UNITS), FIELD		7.64	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		382	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		19.6	C	

Water Quality Analysis

Sample Date: 7/14/2020 **Sample Time:** 1035 **Sample Number:** 1 **Collection Entity:** Texas Water Development Board

Sampled Aquifer: Comanche Peak Limestone

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

Collection Remarks: Sampled from middle spring.

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
39086	ALKALINITY FIELD DISSOLVED AS CACO3		138	mg/L as CACO3	
00425	ALKALINITY, BICARBONATE DISSOLVED (MG/L), LAB		139	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)		139	mg/L as CACO3	
01503	ALPHA, DISSOLVED (PC/L)	<	3	PC/L	1.8
01106	ALUMINUM, DISSOLVED (UG/L AS AL)		7.31	ug/L	
50938	ANION/CATION CHG BAL, PERCENT		2.97	PCT	
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	<	1	ug/L	
01000	ARSENIC, DISSOLVED (UG/L AS AS)		1.97	ug/L	
01005	BARIUM, DISSOLVED (UG/L AS BA)		53.9	ug/L	
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	<	1	ug/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		169.628	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		128	ug/L	
71870	BROMIDE, DISSOLVED, (MG/L AS BR)		0.212	mg/L	
01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	1	ug/L	
00915	CALCIUM, DISSOLVED (MG/L AS CA)		50.3	mg/L	
28004	CARBON-14 DISS APPARENT AGE (YEARS BP)		70	Y-BP	
82172	CARBON-14 FRACTION MODERN		1.0087		0.0036
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		29.9	mg/L	
01030	CHROMIUM, DISSOLVED (UG/L AS CR)		1.83	ug/L	
01035	COBALT, DISSOLVED (UG/L AS CO)	<	1	ug/L	
01040	COPPER, DISSOLVED (UG/L AS CU)	<	1	ug/L	
50791	DEUTERIUM, EXPRESSED AS PERMIL VSMOW		-12.95	0/00	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.208	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		171.706	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)		4.57	ug/L	

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		11.1	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)		1.63	ug/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.135	mg/L as NO3	
00631	NITRITE PLUS NITRATE, DISSOLVED (MG/L AS N)		0.0304	mg/L as N	
50790	OXYGEN-18, EXPRESSED AS PERMIL VSMOW		-1.95	0/00	
00400	PH (STANDARD UNITS), FIELD		7.52	SU	
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	<	0.02	mg/L as P	
00935	POTASSIUM, DISSOLVED (MG/L AS K)		4.51	mg/L	
09503	RADIUM 226, DISSOLVED, PC/L	<	1	PC/L	0.12
81366	RADIUM 228, DISSOLVED (PC/L AS RA-228)	<	1	PC/L	0.58
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
01145	SELENIUM, DISSOLVED (UG/L AS SE)	<	5	ug/L	
00955	SILICA, DISSOLVED (MG/L AS SI02)		8.61	mg/L as SIO2	
01075	SILVER, DISSOLVED (UG/L AS AG)	<	1	ug/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		0.595		
00932	SODIUM, CALCULATED, PERCENT		18.53	PCT	
00930	SODIUM, DISSOLVED (MG/L AS NA)		17.9	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		408	MICR	
01080	STRONTIUM, DISSOLVED (UG/L AS SR)		320	ug/L	
48297	STRONTIUM, ISOTOPE OF MASS 86 AND 87 RATIO		0.7084037	N/A	
00946	SULFATE, DISSOLVED (MG/L AS SO4)		21.1	mg/L as SO4	
00010	TEMPERATURE, WATER (CELSIUS)		23.1	C	
01057	THALLIUM, DISSOLVED (UG/L AS TL)	<	1	ug/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		227.489	mg/L	
07012	TRITIUM IN WATER (TRITIUM UNITS)		2.66	TU	0.09
22703	URANIUM, NATURAL, DISSOLVED (UG/L AS U)	<	1	ug/L	
01085	VANADIUM, DISSOLVED (UG/L AS V)		2.29	ug/L	
01090	ZINC, DISSOLVED (UG/L AS ZN)	<	5	ug/L	

Water Quality Analysis

Sample Date: 5/4/2021 **Sample Time:** 1250 **Sample Number:** 1 **Collection Entity:** Texas Water Development Board

Sampled Aquifer: Comanche Peak Limestone

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

Collection Remarks: Sampled from middle spring.

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
39086	ALKALINITY FIELD DISSOLVED AS CACO3		141	mg/L as CACO3	
00425	ALKALINITY, BICARBONATE DISSOLVED (MG/L), LAB		135	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)		135	mg/L as CACO3	
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	<	5	ug/L	
50938	ANION/CATION CHG BAL, PERCENT		3.15	PCT	
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	<	1	ug/L	
01000	ARSENIC, DISSOLVED (UG/L AS AS)		1.17	ug/L	
01005	BARIUM, DISSOLVED (UG/L AS BA)		53.9	ug/L	
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	<	1	ug/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		164.747	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		68.6	ug/L	
71870	BROMIDE, DISSOLVED, (MG/L AS BR)		0.199	mg/L	
01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	1	ug/L	
00915	CALCIUM, DISSOLVED (MG/L AS CA)		48.7	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		28.1	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)		0.204	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		165.666	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)		4.02	ug/L	
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		10.6	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)		1.72	ug/L	

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.952	mg/L as NO3	
00631	NITRITE PLUS NITRATE, DISSOLVED (MG/L AS N)		0.215	mg/L as N	
00400	PH (STANDARD UNITS), FIELD		7.24	SU	
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	<	0.02	mg/L as P	
00935	POTASSIUM, DISSOLVED (MG/L AS K)		4.43	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)		7.16	mg/L as SIO2	
01075	SILVER, DISSOLVED (UG/L AS AG)	<	1	ug/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		0.63		
00932	SODIUM, CALCULATED, PERCENT		19.679	PCT	
00930	SODIUM, DISSOLVED (MG/L AS NA)		18.6	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		365	MICR	
01080	STRONTIUM, DISSOLVED (UG/L AS SR)		334	ug/L	
00946	SULFATE, DISSOLVED (MG/L AS SO4)		21.7	mg/L as SO4	
00010	TEMPERATURE, WATER (CELSIUS)		18.6	C	
01057	THALLIUM, DISSOLVED (UG/L AS TL)	<	1	ug/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		221.786	mg/L	
22703	URANIUM, NATURAL, DISSOLVED (UG/L AS U)	<	1	ug/L	
01085	VANADIUM, DISSOLVED (UG/L AS V)		2.6	ug/L	
01090	ZINC, DISSOLVED (UG/L AS ZN)	<	5	ug/L	

Water Quality Analysis

Sample Date: 4/6/2022 **Sample Time:** 1410 **Sample Number:** 1 **Collection Entity:** Texas Water Development Board

Sampled Aquifer: Comanche Peak Limestone

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

Collection Remarks: Baseline field data and atrazine only. Sampled from middle spring.

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00400	PH (STANDARD UNITS), FIELD		7.72	SU	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		435	MICR	
00010	TEMPERATURE, WATER (CELSIUS)		17.7	C	

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