



MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

Camdenton Public Drinking Water Wells

Eric Medlock
Chemical Monitoring Coordinator
Public Drinking Water Branch

City Lagoon #3

Hickory Well

221 Sunset Drive (Modine)

Mulberry Well

Rodeo Well #8

Blair Heights Well

City of Camdenton Drinking Water

- All three Wells Sampled Jan. 18, 2018
 - Hickory Well
 - North Rodeo Well #8
 - Blair Heights Well
- Collected by MoDNR staff
 - John Jurgensmeyer, Hazardous Waste Program Director present
- Analyzed at MoDNR laboratory

City of Camdenton Drinking Water

- No volatile organic compounds (VOC) present above detection levels
- Wells meet safe drinking water standards
- Multiple years of sampling has demonstrated TCE is not present
- Annual monitoring will continue
 - Samples collected every year in April by city personnel
 - Analyzed by MoDNR laboratory

VOC Monitoring Schedules

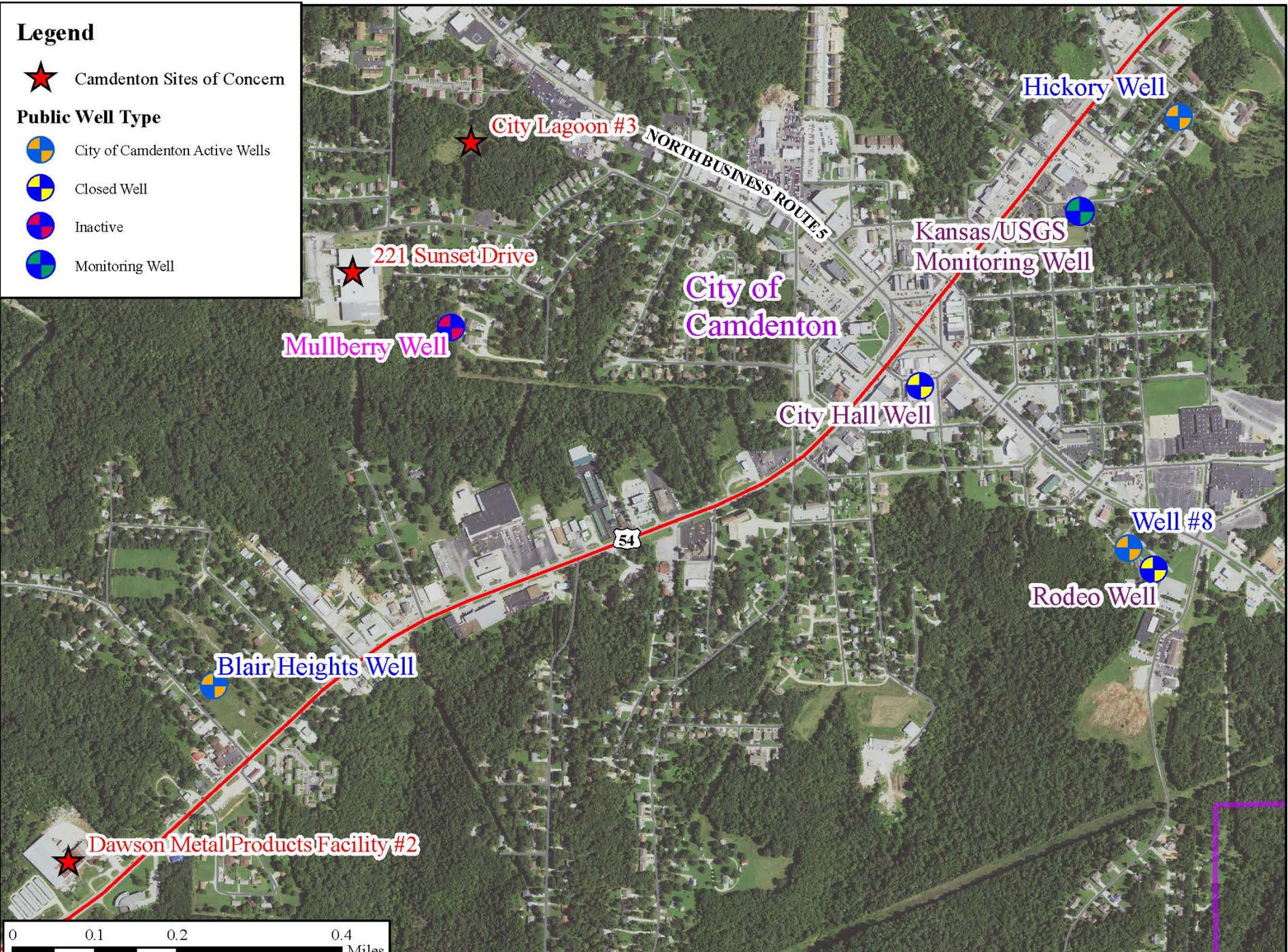
- Routine = Annual
 - No detections or detections that are “consistently and reliably” below the maximum contaminant level after at least two to four quarters of increased monitoring (groundwater vs. surface water)
- Reduced = Annual or three years (SW vs. GW)
 - Inorganic contaminants (IOC) on reduced monitoring
- Increased = Quarterly
 - Sampling for detected analytes to establish a running annual average. Compliance with the maximum contaminant level (MCL) is determined by the running annual average.

Legend

★ Camdenton Sites of Concern

Public Well Type

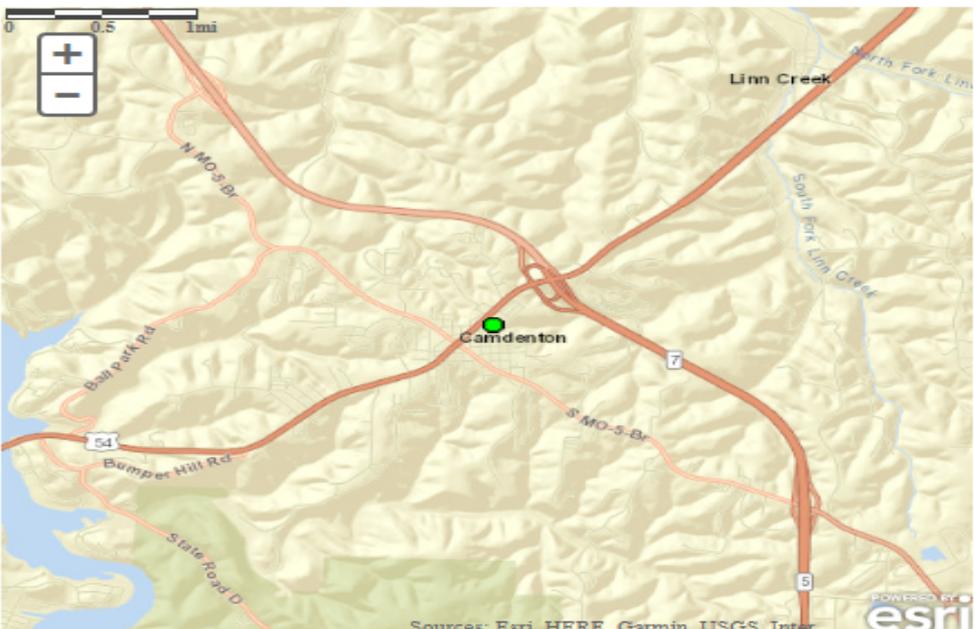
- City of Camdenton Active Wells
- Closed Well
- Inactive
- Monitoring Well





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Construction Date	Estimated End Use Date	Inactivation Date	Facility Name	State Asgn ID	Serves Public	Last Sample Date	Sample Type
1/1/1935	1/1/1989	1989	CITY HALL	WL 13604	No		
1/1/1940	1/1/1989	1989	CITY HALL	WL 13605	No		
1/1/1961	9/28/2012	6/8/2016	RODEO GROUNDS WELL #3	WL 13372	No	5/2/2013	VOC
1/1/1974	In Production	In Production	BLAIR HGTS WELL #4	WL 13373	Yes	4/26/2018	IOC*
1/1/1980	Not Used. USGS water level monitoring ONLY	6/13/2016	KANSAS WELL #5 -USGS MONITORING WELL	WL 13655	No	none	none
1/1/1986	2/16/1999	Not used for DS	MULBERRY LANE WELL #6	WL 13371	No	1/30/2012	VOC
11/16/1998	In Production	In Production	HICKORY WELL # 7	WL 13656	Yes	4/26/2018	IOC*
4/24/2012	In Production	In Production	NORTH RODEO WELL # 8	WL 18626	Yes	4/26/2018	IOC*
			CITCAT request to have all wells tested by DNR staff			1/18/2018	VOC*



[Groundwater Watch Help Page](#)

DESCRIPTION:

Latitude 38°00'36.6", Longitude 92°44'27.6" NAD83
 Camden County, Missouri, Hydrologic Unit 10290109
 Well depth: 1100 feet
 Hole depth: 1100 feet
 Land surface altitude: 1,042feet above NAVD88.
 Well completed in "Ozark Plateaus aquifer system" (S400OZRKPL) national aquifer.
 Well completed in "Eminence-Potosi Dolomites" (371EMCP) local aquifer

AVAILABLE DATA:

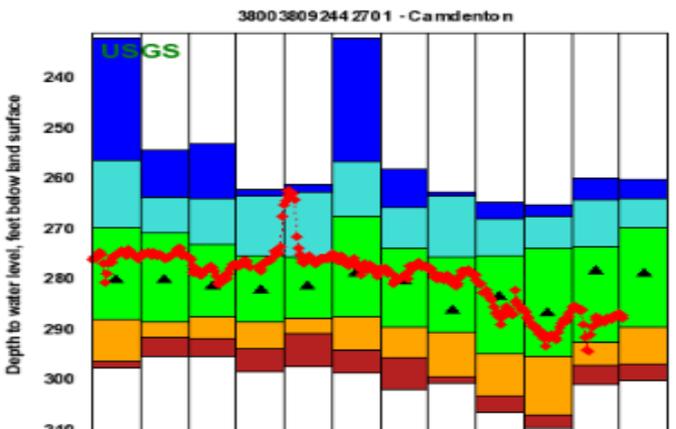
Data Type	Begin Date	End Date	Count
Current / Historical Observations	2007-10-01	2018-09-01	
Daily Data			
Depth to water level, feet below land surface	2000-11-04	2018-08-31	6421
Daily Statistics			
Depth to water level, feet below land surface	2000-11-04	2018-04-24	6292
Monthly Statistics			
Depth to water level, feet below land surface	2000-11	2018-04	
Annual Statistics			
Depth to water level, feet below land surface	2001	2018	
Field groundwater-level measurements	1980-04-01	2018-04-26	39
Water-Year Summary	2014	2017	4
Revisions		Loading...	

Additional Data Sources	Begin Date	End Date	Count
Groundwater Watch **offsite**	1980	2018	6452

OPERATION:

Record for this site is maintained by the USGS Missouri Water Science Center
 Email questions about this site to [Missouri Water Science Center Water-Data Inquiries](#)

Site Statistics



Most recent data value: 287.98 on 10/4/2018
Period of Record Monthly Statistics for 380038092442701
Depth to water level, feet below land surface
All Approved Continuous & Periodic Data Used In Analysis

Note: **Highlighted** values in the table indicate closest statistic to the most recent data value.

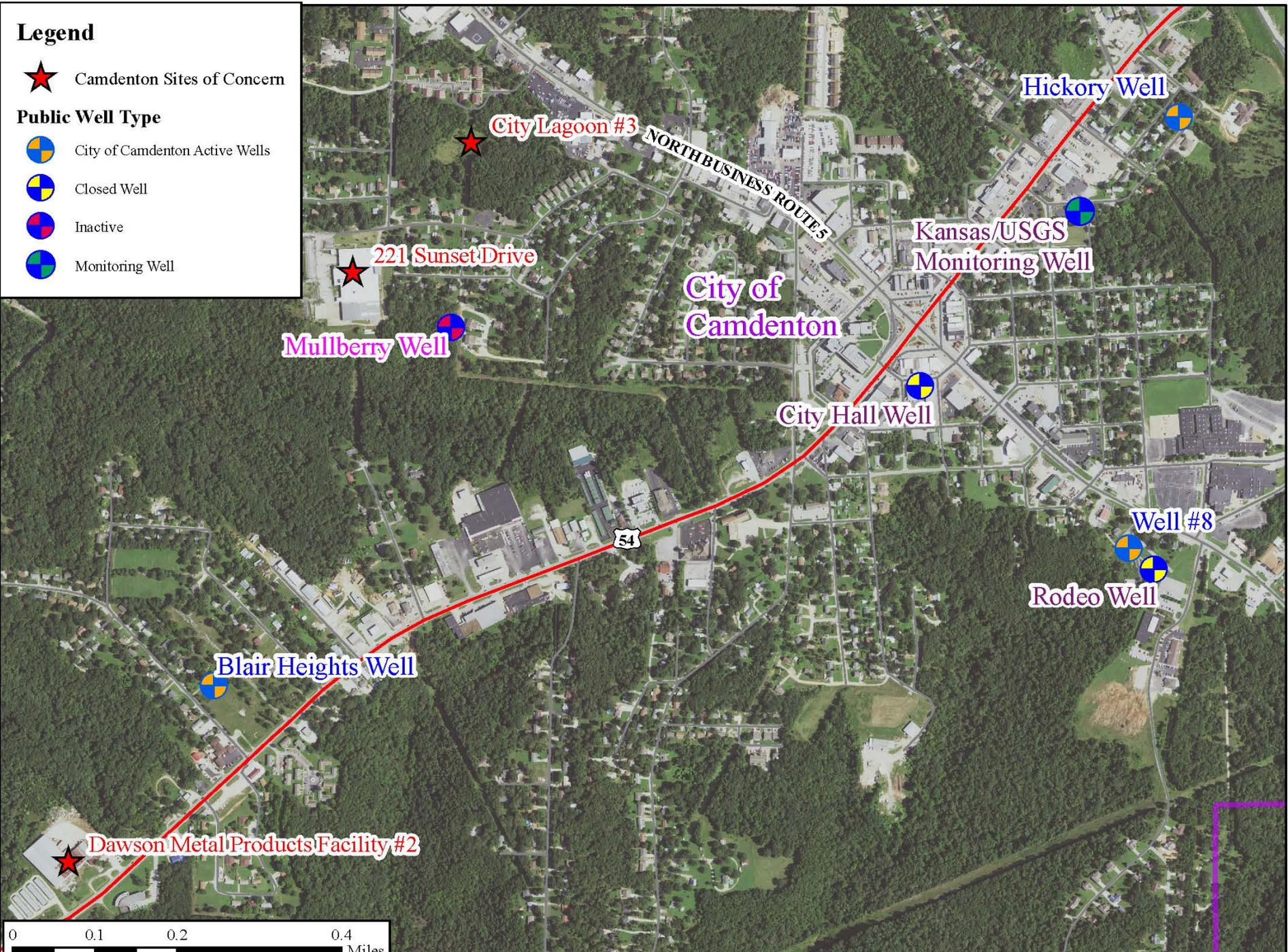
Month	Lowest Median	10th %ile	25th %ile	50th %ile	75th %ile	90th %ile	Highest Median	Number of Years
Jan	295.39	291.90	287.46	281.41	273.09	263.88	253.05	18
Feb	298.42	293.78	288.65	282.10	275.32	263.50	262.06	18
Mar	297.34	290.76	287.74	281.57	275.52	262.71	261.08	18
Apr	298.67	294.15	287.55	278.81	267.49	256.58	232	19
May	302.11	295.74	289.46	280.52	273.85	265.83	258.13	17
Jun	300.72	299.50	290.65	286.33	275.64	263.38	262.63	17
Jul	306.45	303.19	294.80	283.54	275.44	267.92	264.82	17
Aug	309.61	307.15	295.47	286.83	273.74	267.54	265.16	17
Sep	301.06	297.09	292.71	278.33	273.65	264.11	259.85	17
Oct	300.13	297.00	289.58	278.95	269.8	263.91	260.25	17
Nov	297.68	296.35	288.14	280.07	269.84	256.32	232	19
Dec	295.38	291.71	288.57	280.26	270.75	263.83	254.42	18

Legend

★ Camdenton Sites of Concern

Public Well Type

- City of Camdenton Active Wells
- Closed Well
- Inactive
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Blair Heights Well



Dawson Metal Products Facility #2



Parameter/Method	Result	Units	Qualifier(s)	MCL	SS	
Calcium/EPA 200.7	67.8	mg/L				
Iron/EPA 200.7	<5.00	µg/L	ND		300	
Magnesium/EPA 200.7	39.2	mg/L				
Potassium/EPA 200.7	<1.00	mg/L	ND			
Sodium/EPA 200.7	2.59	mg/L				
Aluminum/EPA 200.8	<10	µg/L	ND		50-200	
Antimony/EPA 200.8	<1	µg/L	ND	6		
Arsenic/EPA 200.8	<1	µg/L	ND	10		
Barium/EPA 200.8	45.9	µg/L		2000		
Beryllium/EPA 200.8	<1	µg/L	ND	4		
Cadmium/EPA 200.8	<0.2	µg/L	ND	5		
Chromium/EPA 200.8	<5	µg/L	ND	100		
Copper*/EPA 200.8	24.1	µg/L		1300		
Lead*/EPA 200.8	<1	µg/L	ND	15		
Manganese/EPA 200.8	<1	µg/L	ND		50	
Mercury/EPA 200.8	<0.2	µg/L	ND	2		
Nickel/EPA 200.8	<1	µg/L	ND			
Selenium/EPA 200.8	<5	µg/L	ND	50		
Silver/EPA 200.8	<1	µg/L	ND		100	
Thallium/EPA 200.8	<1	µg/L	ND	2		
Zinc/EPA 200.8	24.0	µg/L			5000	
200.8 Metals - Direct Analysis	Thallium/EPA 200.8	<1	µg/L	ND	2	
200.8 Metals - Direct Analysis	Zinc/EPA 200.8	24.0	µg/L		5000	

County Map of MO	Water System Search	Help	Questions/Comments? Contact Us
Water System Facilities	Violations Enforcement Actions	TCR Sample Results	PBCU Summaries
Sample Points	Assistance Actions	Recent Positive TCR Results	Chlorine Summaries
Sample Schedules / FANLs / Plans	Compliance Schedules	Other Chemical Results	Turbidity Summaries
Milestones	TOC/Alkalinity Results	Other Chemical Results by Analyte	
TCR Sample Summaries	LRAA (TTHM/HAA5)	Recent Non-TCR Sample Results	
		Ground Water Rule Sample Results	

Water System Detail Information

Water System No.:	MO3010130	Federal Type:	C
Water System Name:	CAMDENTON PWS	Federal Source:	GW
Principal County / City Served:	CAMDEN / CAMDENTON	System Status :	A
Local Name:		Activity Date :	01-01-1931
Operating Category Code:	2	Permit Date :	07-23-2015
GWR Monitoring Status:	GWR - TRIGGERED SOURCE WATER MONITORING		

Water System Contacts

Type	Contact	Communication	
AC - Administrative Contact	MC NABB, JOHN 437 W US HWY 54 CAMDENTON, MO 65020-0000	Phone Type	Value
		BUS - Business	573-346-3600
DO - Designated Operator	JEFFRIES, WILLIAM O (BILL) 437 WEST US HWY 54 CAMDENTON, MO 65020-0000	Phone Type	Value
		BUS - Business	573-346-7293
OT - Other	CAMDENTON 437 W US HWY 54 CITY HALL CAMDENTON, MO 65020-0000	Phone Type	Value
		BUS - Business	573-346-3600

Sources of Water

Name	Type	Activity	Availability
BLAIR HGTS WELL #4	WL	A	P
HICKORY WELL # 7	WL	A	P
NORTH RODEO WELL # 8	WL	A	P
MULBERRY LANE WELL #6	WL	A	O
CC 1 CAMDEN CO PWS #2 MO3024091	CC	A	E
KANSAS WELL #5 -USGS MONITORING WELL	WL	I	O
CITY HALL	WL	I	O
CITY HALL	WL	I	O
RODEO GROUNDS WELL #3	WL	I	O

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Local Name:		Activity Date :	01-01-1931
Operating Category Code:	2	Permit Date :	07-23-2015
GWR Monitoring Status:	GWR - TRIGGERED SOURCE WATER MONITORING		

Sample Number: AD18165

For Compliance? Y

Other Chemical Sample Results

Analyte Code	Analyte Name	Method	Less Than Ind.	Level Type	Reporting Level	Concentration	MCL	Mon Period
1067	ALKALINITY, CaCO3 STABILITY	310.1				329.000 MG/L		
1002	ALUMINUM	200.8	<	MRL	10.000000000 UG/L		0.05 MG/L	
1074	ANTIMONY, TOTAL	200.8	<	MRL	1.000000000 UG/L		0.006 MG/L	01-01-2017 12-31-2019
1005	ARSENIC	200.8	<	MRL	1.000000000 UG/L		0.010 MG/L	01-01-2017 12-31-2019
1010	BARIUM	200.8				45.9 UG/L	2 MG/L	01-01-2017 12-31-2019
1075	BERYLLIUM, TOTAL	200.8	<	MRL	1.000000000 UG/L		0.004 MG/L	01-01-2017 12-31-2019
1015	CADMIUM	200.8	<	MRL	0.200000000 UG/L		0.005 MG/L	01-01-2017 12-31-2019
1016	CALCIUM	200.7				67.8 MG/L		
1017	CHLORIDE	300.0	<	MRL	5.000000000 MG/L		250 MG/L	
1020	CHROMIUM	200.8	<	MRL	5.000000000 UG/L		0.1 MG/L	01-01-2017 12-31-2019
1022	COPPER, FREE	200.8				24.1 UG/L		
1025	FLUORIDE	4500F-C	<	MRL	0.100000000 MG/L		4.0 MG/L	01-01-2017 12-31-2019
1916	HARDNESS, CARBONATE	2340B				331.000 MG/L		
1028	IRON	200.7	<	MRL	5.000000000 UG/L		0.3 MG/L	
1030	LEAD	200.8	<	MRL	1.000000000 UG/L			
1031	MAGNESIUM	200.7				39.2 MG/L		
1032	MANGANESE	200.8	<	MRL	1.000000000 UG/L		0.05 MG/L	

CAMDENTON PWS

Public Water System ID Number: MO3010130

2017 Annual Water Quality Report

(Consumer Confidence Report)

This report is intended to provide you with important information about your drinking water and the efforts made to provide safe drinking water.

Atencion!

Este informe contiene información muy importante. Tradúscalo o prequentele a alguien que lo entienda bien.

[Translated: This report contains very important information. Translate or ask someone who understands this very well.]

What is the source of my water?

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and groundwater wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Our water comes from the following source(s):

Source Name	Type
NORTH RODEO WELL # 8	GROUND WATER
BLAIR HGTS WELL #4	GROUND WATER
HICKORY WELL # 7	GROUND WATER

Source Water Assessment

The Department of Natural Resources conducted a source water assessment to determine the susceptibility of our water source to potential contaminants. This process involved the establishment of source water area delineations for each well or surface water intake and then a contaminant inventory was performed within those delineated areas to assess potential threats to each source. Assessment maps and summary information sheets are available on the internet at <http://drinkingwater.missouri.edu/swip/swipmaps/pwssid.htm>. To access the maps for your water system you will need the State-assigned identification code, which is printed at the top of this report. The Source Water Inventory Project maps and information sheets provide a foundation upon which a more comprehensive source water protection plan can be developed.

Why are there contaminants in my water?

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).

How might I become actively involved?

If you would like to observe the decision-making process that affect drinking water quality or if you have any further questions about your drinking water report, please call us at **573-346-7293** to inquire about scheduled meetings or contact persons.

Do I need to take any special precautions?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

Terms and Abbreviations

Population: 3718. This is the equivalent residential population served including non-bill paying customers.

MCLG: Maximum Contaminant Level Goal, or the level of a contaminant in drinking water



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Camdenton Public Drinking Water Wells

Questions

Eric Medlock

Chemical Monitoring Coordinator
Public Drinking Water Branch

Phone: (573) 522-5028

Email: eric.medlock@dnr.mo.gov