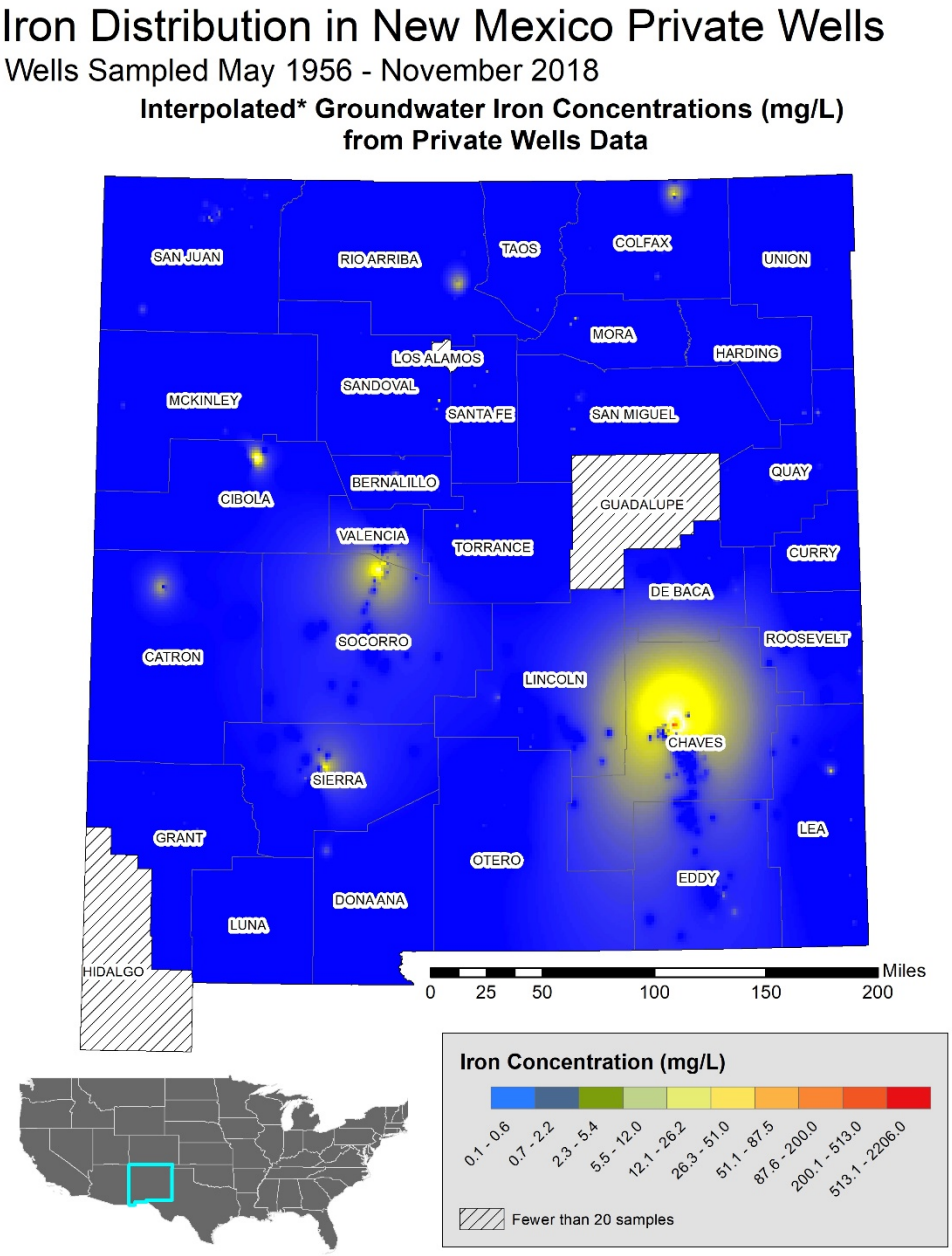
Iron Distribution in New Mexico Private Wells

Wells Sampled July May 1956 - November 2018

Iron levels in water samples from private wells vary between New Mexico counties and even within the same county. The groundwater system in New Mexico is very complex. This complexity can lead to iron concentration variability even amongst neighboring wells. **Therefore, to know the iron concentration in your water from your own well, you need to test.** The secondary safe drinking water concentration for iron, related to aesthetics (color and taste), is 0.3 milligrams per liter (mg/L). Some of the water samples from wells in all counties appear to exceed this Environmental Protection Agency (EPA) Safe Drinking Water secondary standard.



Data Sources: NMED Water Fairs, NMBMMR, USEPA, USGS NWIS, NMDOH biomonitoring, Santa Fe County
Last Updated: 2/1/2019 NMDOH Private Wells Program https://nmtracking.org/water

https://nmtracking.doh.nm.gov/environment/water/Iron.html

Data Sources: NMED Water Fairs, NMBMMR private Wells, USGS NWIS private wells, NMDOH biomonitoring, Bernalillo County, Santa Fe County Last Updated: 08/2022

New Mexico Private Wells Inventory

Iron Test Results Summary May 1956 - November 2018

County	Number of tests	% Tests above secondary MCL (0.3 mg/L)	Concentration of Iron in Milligrams per Liter (mg/L)						
			Mean	Standard Deviation	Max	95th Percentile	Median	5th Percentile	Minimum Detected Value*
Bernalillo	1603	9.1	0.2	2.4	88	0.7	0.02	0.001	0.001
Catron	101	18.8	0.4	2.0	20	1.2	0.04	0.010	0.001
Chaves	316	14.6	7.2	124.1	2206	0.6	0.06	0.010	0.001
Cibola	102	12.7	0.6	5.0	51	1.0	0.03	0.001	0.001
Colfax	114	26.3	0.6	2.8	30	2.1	0.08	0.010	0.010
Curry	77	7.8	0.1	0.3	2	0.6	0.05	0.010	0.005
De Baca	83	15.7	0.2	0.5	4	0.7	0.07	0.001	0.001
Doña Ana	484	17.1	0.2	0.5	7	0.8	0.04	0.001	0.001
Eddy	149	28.2	0.6	2.2	25	2.0	0.12	0.010	0.010
Grant	177	16.9	0.2	0.4	2	1.1	0.04	0.010	0.002
Guadalupe	8	25.0	0.4	0.7	2	2.0	0.14	0.001	0.001
Harding	30	26.7	0.3	0.5	2	1.9	0.12	0.010	0.010
Hidalgo	10	10.0	0.1	0.2	1	0.7	0.05	0.020	0.020
Lea	928	8.7	0.3	1.2	11	1.4	0.05	0.010	0.005
Lincoln	157	25.5	0.4	0.8	7	1.6	0.07	0.005	0.002
Los Alamos	12	25.0	0.5	1.1	4	3.9	0.05	0.001	0.001
Luna	233	2.6	0.1	0.1	1	0.2	0.03	0.010	0.001
McKinley	30	13.3	0.2	0.3	1	1.2	0.07	0.010	0.010
Mora	106	16.0	0.3	0.7	7	0.9	0.04	0.010	0.010
Otero	155	11.6	0.2	0.6	6	0.8	0.03	0.004	0.001
Quay	200	16.0	0.3	0.6	6	1.0	0.09	0.010	0.010
Rio Arriba	675	12.4	0.4	5.7	148	0.9	0.04	0.010	0.001
Roosevelt	120	11.7	0.2	0.4	4	0.9	0.10	0.005	0.005
San Juan	776	35.1	0.6	1.3	16	2.0	0.14	0.010	0.007
San Miguel	376	11.7	0.3	2.3	40	0.9	0.04	0.010	0.001
Sandoval	676	16.0	0.3	1.0	17	1.2	0.05	0.005	0.001
Santa Fe	3015	11.4	0.2	1.0	26	0.7	0.02	0.001	0.001
Sierra	268	14.9	1.2	13.0	200	1.1	0.05	0.010	0.004
Socorro	360	49.4	4.3	28.0	513	20.5	0.23	0.001	0.001
Taos	716	13.0	0.2	0.7	15	1.0	0.03	0.010	0.001
Torrance	207	8.2	0.2	0.6	6	0.6	0.04	0.010	0.001
Union	273	14.3	0.2	0.4	3	0.8	0.05	0.010	0.010
Valencia	668	21.4	0.3	0.9	15	1.4	0.06	0.010	0.001

- Indicates insufficient data to calculate statistics; N/A indicates Not Applicable; *Minimum detected value calculated as half the detection limit (DL) for concentrations less than DL; DL varies

https://nmtracking.doh.nm.gov/environment/water/Iron.html

Data Sources: NMED Water Fairs, NMBMMR private Wells, USGS NWIS private wells, NMDOH biomonitoring, Bernalillo County, Santa Fe County

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NMDOH NEW MEXICO DEPARTMENT OF HEALTH

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