

Table 2. Overall means for water samples collected in Northern New York (n = 91).

Variable	N	Mean	Std Dev	Minimum	Maximum	Expected	Possible problems for mature cattle
pH	91	7.42857	0.32738	6.4	8.1	6.8 - 7.5	< 5.5 or > 8.5
Total Coliform/ 100 mL	91	0.65934	0.9454	0	2	< 1	15
Nitrates, ppm	91	12.7912	23.8563	0	121	0 - 44	100
Nitrates - nitrogen, ppm	91	2.95604	5.52351	0	28	0 -10	23
Sulfates, ppm	91	34.989	40.8546	0	280	0 - 250	1000
Sulfur, ppm	91	11.5385	13.4274	0	92	0 -83	333
Chlorides, ppm	91	37.1758	39.9181	0	188	0 - 250	300
Hardness, ppm CaCO ₃	91	247.132	120.225	5	491	0 - 370	~
Total Dissolved Solids, ppm	91	402.451	185.412	35	813	0 - 500	3000
Ca, ppm	91	66.6879	34.339	1.59	156	0 - 100	500
P, ppm	91	0.06769	0.14236	0	1.29	0 - 0.3	0.7
Mg, ppm	91	19.6	13.6559	0.26	58.98	0 -29	125
K, ppm	91	7.17857	9.3292	0	52.15	0 -20	20
Na, ppm	91	28.3069	35.5425	1.13	213.2	0 -100	300
Fe, ppm	91	0.08473	0.27845	0	2.21	0 -0.3	0.3 (taste)
Zn, ppm	91	0.00846	0.01744	0	0.13	0 - 5	25
Cu, ppm	91	0.02176	0.07167	0	0.58	0 - 0.6	0.6
Mn, ppm	91	0.04967	0.15196	0	0.9	0 - 0.05	0.05 (taste)
Mo, ppm	91	0.00077	0.00307	0	0.02	0 - 0.07	0.07