

Appendix 4: UW-Extension Private Well Testing Results

WATER SAMPLES:	1061- 1097	WELL CONSTRUCTION METHOD		
		No Response	340	31%
SOFTENERS:	825 75%	Driven	10	1%
		Dug	9	1%
BACTERIA	206 19%	Drilled	738	67%

DEPTH:	AQUIF	WELL	WATER	CASE	YEARS SINCE LAST WATER TEST	
Unknown	82%	57%	76%	68%	Unknown	535 49%
[1 - 25)	1%	0%	6%	0%	Never	26 2%
[25 - 50)	2%	1%	7%	2%	[... 1)	40 4%
[50 -100)	5%	6%	6%	9%	[1 - 2)	47 4%
[100-150)	5%	11%	3%	12%	[2 - 5)	178 16%
[150-200)	3%	13%	2%	6%	[5 - 10)	124 11%
[200 ...	2%	13%	1%	3%	[10 ...	147 13%

OBSERVED PROBLEMS		CONDUCTIVITY (umhos/cm)		
No Response	408	37%	A [... 50)	4 0%
None	403	37%	B [50 - 100)	2 0%
Color	83	8%	C [100 - 200)	2 0%
Taste	142	13%	D [200 - 500)	387 36%
Odor	213	19%	E [500 - 800)	510 48%
Health	12	1%	F [800 - 1000)	92 9%
Corrosion	33	3%	G [1000 ...	67 6%

NITRATE-NITRITE (ppm N)		SI (Saturation index)		
A NONE DETECTED	702	66%	A [... -3)	2 0%
B [0.1 - 2.0)	184	17%	B [-3 - -2)	9 1%
C [2 - 5)	96	9%	C [-2 - -1)	41 4%
D [5 - 10)	60	6%	D [-1 - 0)	82 8%
E [10 - 20)	18	2%	E [0 - 1)	623 59%
F [20 ...	6	1%	F [1 ...	304 29%

TOTAL HARDNESS (ppm CaCO3)		ALKALINITY (ppm CaCO3)		
A NONE DETECTED	114	11%	A NONE DETECTED	0 0%
B [2 - 25)	20	2%	B [2 - 25)	4 0%
C [25 - 50)	11	1%	C [25 - 50)	3 0%
D [50 - 150)	64	6%	D [50 - 150)	152 14%
E [150 - 200)	189	18%	E [150 - 200)	169 16%
F [200 - 300)	223	21%	F [200 - 300)	385 36%
G [300 - 400)	299	28%	G [300 - 400)	335 32%
H [400 - 500)	104	10%	H [400 - 500)	14 1%
I [500 ...	40	4%	I [500 ...	1 0%

pH		CHLORIDE (ppm)		
A [... 5.0)	0	0%	A NONE DETECTED	47 4%
B [5.0 - 5.5)	0	0%	B [0.5 - 10)	605 57%
C [5.5 - 6.0)	0	0%	C [10 - 25)	164 15%
D [6.0 - 6.5)	0	0%	D [25 - 50)	103 10%
E [6.5 - 7.0)	4	0%	E [50 - 100)	94 9%
F [7.0 - 7.5)	11	1%	F [100 - 200)	32 3%
G [7.5 - 8.0)	298	28%	G [200 ...	19 2%
H [8.0 - 8.5)	725	68%		
I [8.5 ...	26	2%		

CALCIUM (mg/l)
A NONE DETECTED 14 6%
B [0.1 - 25) 69 30%
C [25 - 50) 80 35%
D [50 - 200) 64 28%
E [200 ... 1 0%

COPPER (mg/l)
A NONE DETECTED 60 26%
B [0.001- 0.13) 121 53%
C [0.13 - 1.3) 47 20%
D [1.3 ... 2 1%

IRON (mg/l)
A NONE DETECTED 9 4%
B [0.002 - 0.3) 144 62%
C [0.3 - 1.0) 57 25%
D [1.0 ... 22 9%

POTASSIUM (mg/l)
A NONE DETECTED 17 7%
B [0.3 - 5) 198 87%
C [5 - 10) 7 3%
D [10 - 50) 3 1%
E [50 ... 3 1%

MAGNESIUM (mg/l)
A NONE DETECTED 38 17%
B [0.1 - 10) 38 17%
C [10 - 40) 106 46%
D [40 - 100) 46 20%
E [100 ... 0 0%

MANGANESE (mg/l)
A NONE DETECTED 67 29%
B [0.001- 0.05) 152 66%
C [0.05 - 0.2) 8 3%
D [0.2 - 1.0) 2 1%
E [1.0 ... 0 0%

SODIUM (mg/l)
A NONE DETECTED 0 0%
B [0.1 - 10) 41 18%
C [10 - 30) 72 31%
D [30 - 100) 71 31%
E [100 ... 45 20%

LEAD (mg/l)
A NONE DETECTED 147 61%
B [0.002-0.015) 73 30%
C [0.015- 0.05) 18 7%
D [0.05 - 0.1) 3 1%
E [0.1 ... 0 0%

ZINC (mg/l)
A NONE DETECTED 3 1%
B [0.001 - 0.1) 151 66%
C [0.1 - 1) 63 28%
D [1 - 5) 9 4%
E [5 ... 2 1%

ARSENIC (mg/l)
A NONE DETECTED 118 77%
B [0.003-0.010) 21 14%
C [0.010-0.050) 15 10%
D [0.050-0.100) 0 0%
E [0.100 ... 0 0%

SULFATE (mg/l)
A NONE DETECTED 1 1%
B [0.1 - 20) 50 33%
C [20 - 100) 89 58%
D [100 - 250) 8 5%
E [250 ... 5 3%

TRIAZINE (ug/l)
A NONE DETECTED 168 88%
B [0.1 - 0.3) 21 11%
C [0.3 - 1.0) 1 1%
D [1.0 - 2.0) 0 0%
E [2.0 - 3.0) 0 0%
F [3.0 ... 0 0%