

Attachment B.8

Raw Water Supply and Drinking Water Quality Trends

Raw Water Quality Trends:

Date Sampled	Paramaters			
	Alkalinity (mg/L)	Colour (TCU)	pH	THMs (ug/L)
Feb. 13, 2012	21	28.1	7.36	0.5
May 15, 2012	20.1	25.3	7.37	0.5
Aug. 28, 2012	20.5	25.5	7.56	0.5
Aug. 19, 2013	16.9	38.6	7.52	0.1
Oct. 29, 2013	20.4	30.4	7.46	0.1
Feb. 11, 2014	Samples Froze			
April 29, 2014	20.1	25.3	7.37	0.5
July 22, 2014		40.7	6.91	0.1
Nov. 24, 2014	Samples Froze			
April 8, 2015	15	41.9	7.13	0.1
May 25, 2015	Data not received from lab			
August 4, 2015	17.2	38.0	7.35	0.1
October 26, 2015	16.1	32.9	7.28	0.1
March 9, 2016	16.3	38.0	7.37	0.1
May 16, 2016	16.3	38.0	7.37	0.1
October 7, 2016		38.0	7.05	0.1
February 28, 2017		32.9	7.37	0.1
August 9, 2017	Data not received from lab			
November 8, 2017	21.5	33.8	7.53	0.1

Alkalinity - defined as its capacity to neutralize acid. (pH less than 7)

pH - A measure of the acidity or alkalinity of a solution (Neutral is 7)

THMs (Trihalomethanes) - Are created when chlorine is added to water. They are toxic chemical substances that consist of a methane molecule and one of the halogen elements.

Data collected from other sources

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Treated Water Quality Trends:

Date Sampled	Parameters			
	Alkalinity (mg/L)	Colour (TCU)	pH	THMs (ug/L)
February 13, 2012	35.2	1.0	7.59	49
May 15, 2012	30.5	3.5	7.46	53.5
August 28, 2012	25.6	1.2	7.63	71
Nov. 14, 2012	33.9	0.2	7.73	42.3
May 6, 2013	29.3	2.6	7.59	43.5
August 19, 2013	22.6	1.1	7.43	68.3
October 29, 2013	27.2	1.1	7.49	56
February 11, 2014	Samples Froze			
April 29, 2014	30.5	3.5	7.46	53.5
July 22, 2014	33.4	1.5	7.09	95.0
Nov. 24, 2014	Samples Froze			
April 8, 2015	31.3	1.8	7.43	53.7
May 25, 2015	Data not received from lab			
August 4, 2015	27.4	1.6	7.38	86.5
October 26, 2015	29.1	1.0	7.39	61.3
March 9, 2016	24.0	1.8	7.36	50.1
May 16, 2016	24.0	1.8	7.36	50.1
October 7, 2016		1.0	7.18	81.7
February 28, 2017		1.7	7.28	44.1
August 9, 2017	Data not received from lab			
November 8, 2017	35.5	1.3	7.75	54.0

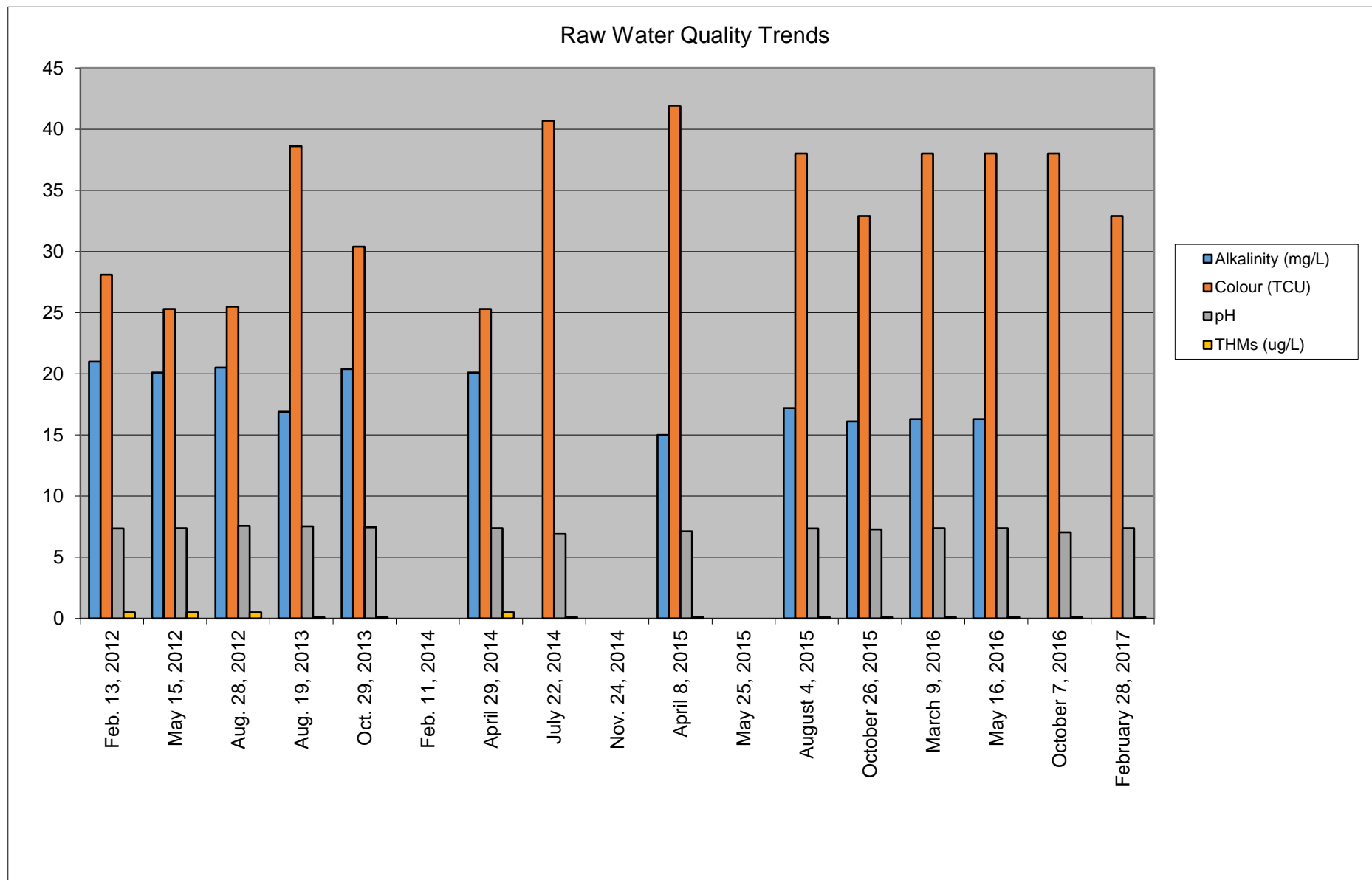
Alkalinity - defined as its capacity to neutralize acid. (pH less than 7)

pH - A measure of the acidity or alkalinity of a solution (Neutral is 7)

THMs (Trihalomethanes) - Are created when chlorine is added to water. They are toxic chemical substances that consist of a methane molecule and one of the halogen elements.

Data collected from other sources

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