5304G01   NE Community Center
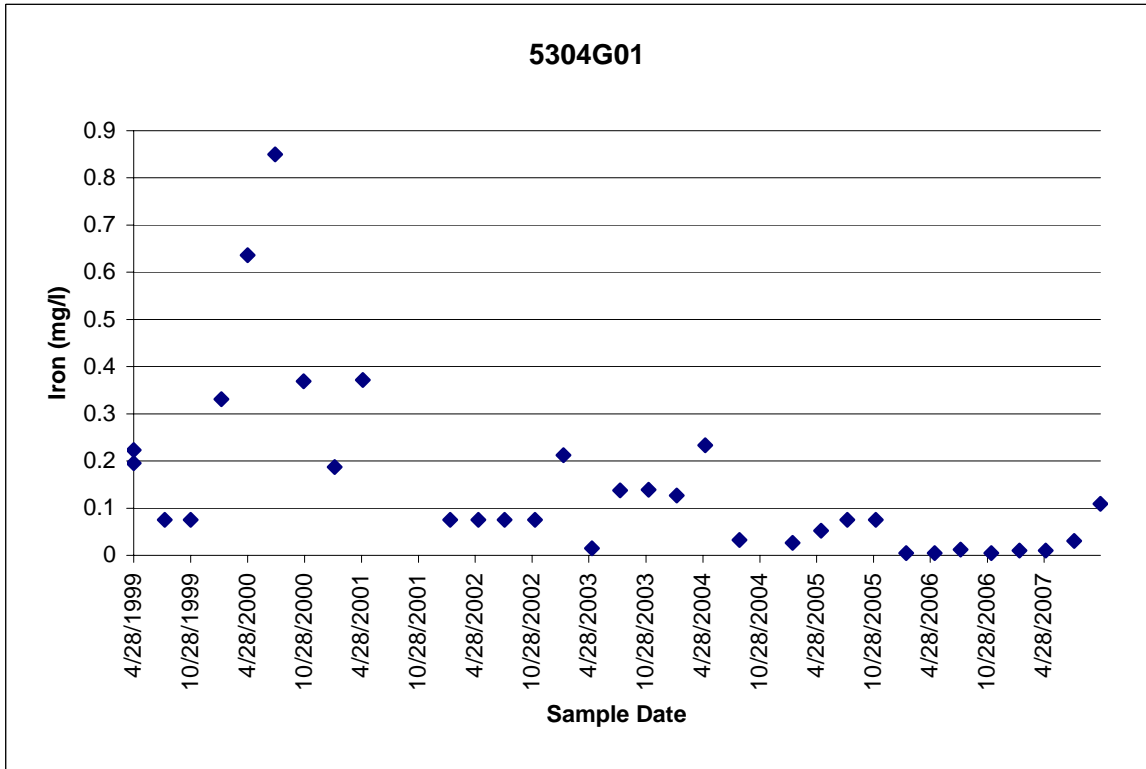
Summary Statistics

mean	0.149	
standard deviation	0.187	
minimum	0.005	
maximum	0.85	
95% confidence interval	0.086	0.213

Trend Analysis

n	33	Number of datapoints
S	-252	Mann Kendall test statistic
Var(S)	4159.333	Variance
Z, z(1-a)	-3.8919, 1.645	Normal approximation
Probability	-24.6024	Probability of no trend
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

5310Q01   Monitoring Well at SCC
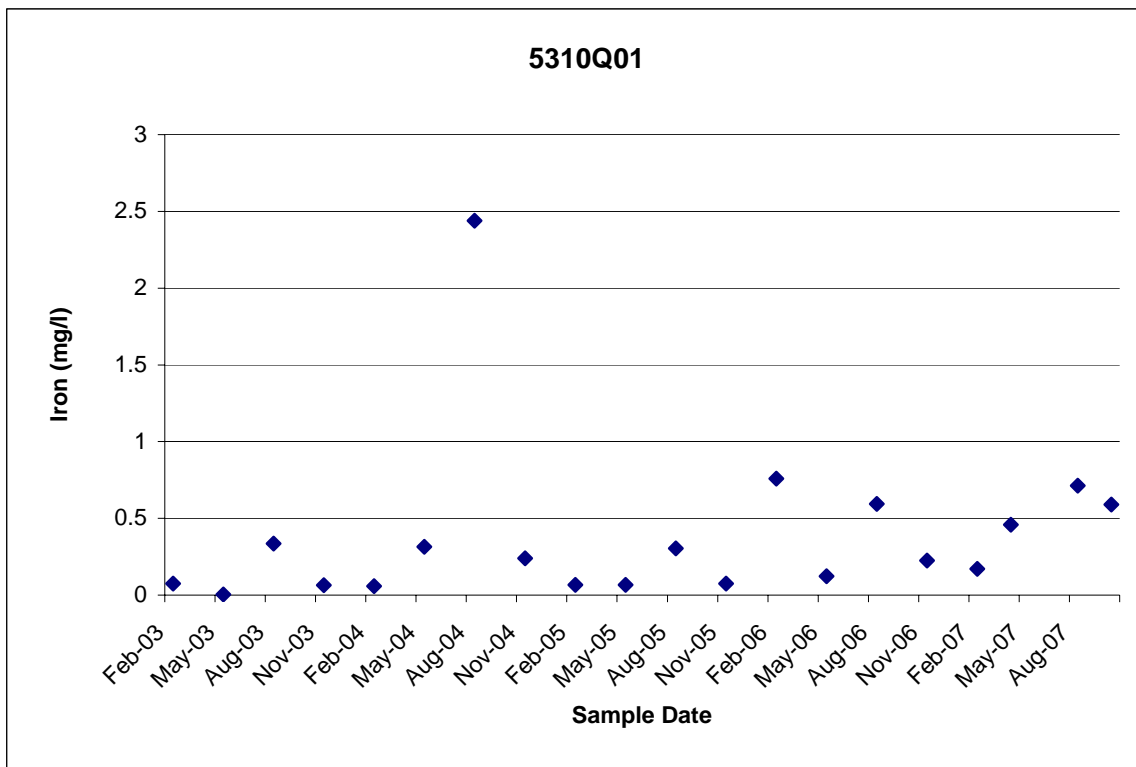
Summary Statistics

mean	0.384	
standard deviation	0.537	
minimum	0.005	
maximum	2.44	
95% confidence interval	0.149	0.619

Trend Analysis

n	20	Number of datapoints
S	65	Mann Kendall test statistic
Var(S)	950	Variance
Z, z(1-a)	2.0764, 1.645	Normal approximation
Probability	0.0189	Probability of no trend
Result	Hypothesis of increasing trend accepted	
	Hypothesis of decreasing trend rejected	

5404A01   Plantes Ferry Park Monitoring Well
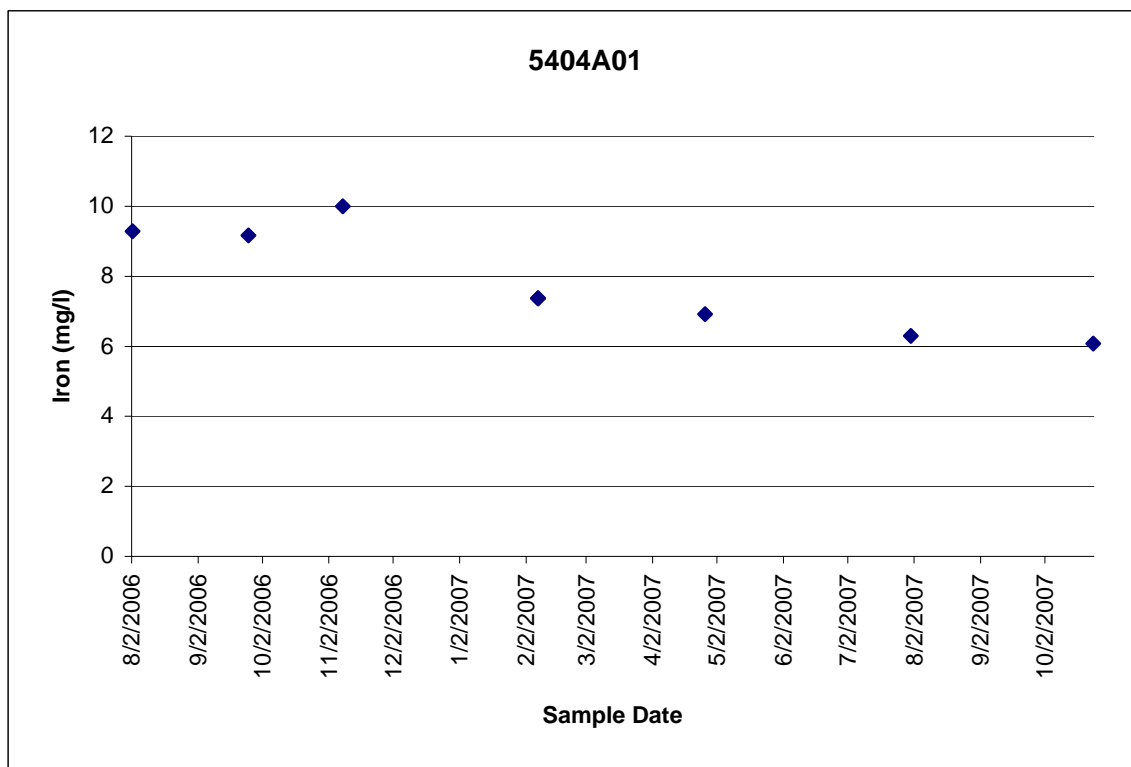
Summary Statistics

mean	7.814	
standard deviation	1.477	
minimum	6.08	
maximum	10	
95% confidence interval	6.790	8.838

Trend Analysis

n	8	Number of datapoints
S	-22	Mann Kendall test statistic
Var(S)	65.3333	Variance
Z, z(1-a)	-2.5981, 1.645	Normal approximation
Probability	-0.1888	Probability of no trend
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

5409C02   Fredrick and Bowdish Monitoring Well
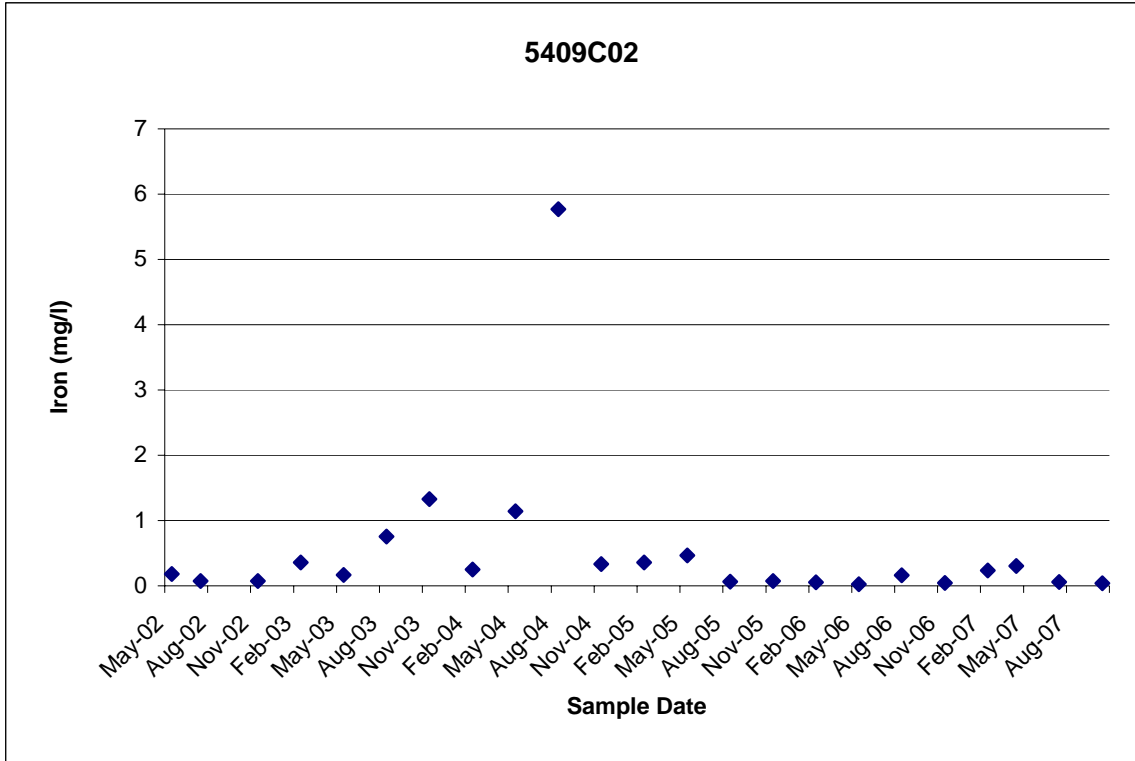
Summary Statistics

mean	0.536	
standard deviation	1.192	
minimum	0.0268	
maximum	5.77	
95% confidence interval	0.049	1.023

Trend Analysis

n	23	Number of datapoints
S	-72	Mann Kendall test statistic
Var(S)	1432.667	Variance
Z, z(1-a)	-1.8758, 1.645	Normal approximation
Probability	0.0052	Probability of no trend
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

5508M02   Barker Road Centennial Trail South, monitoring well
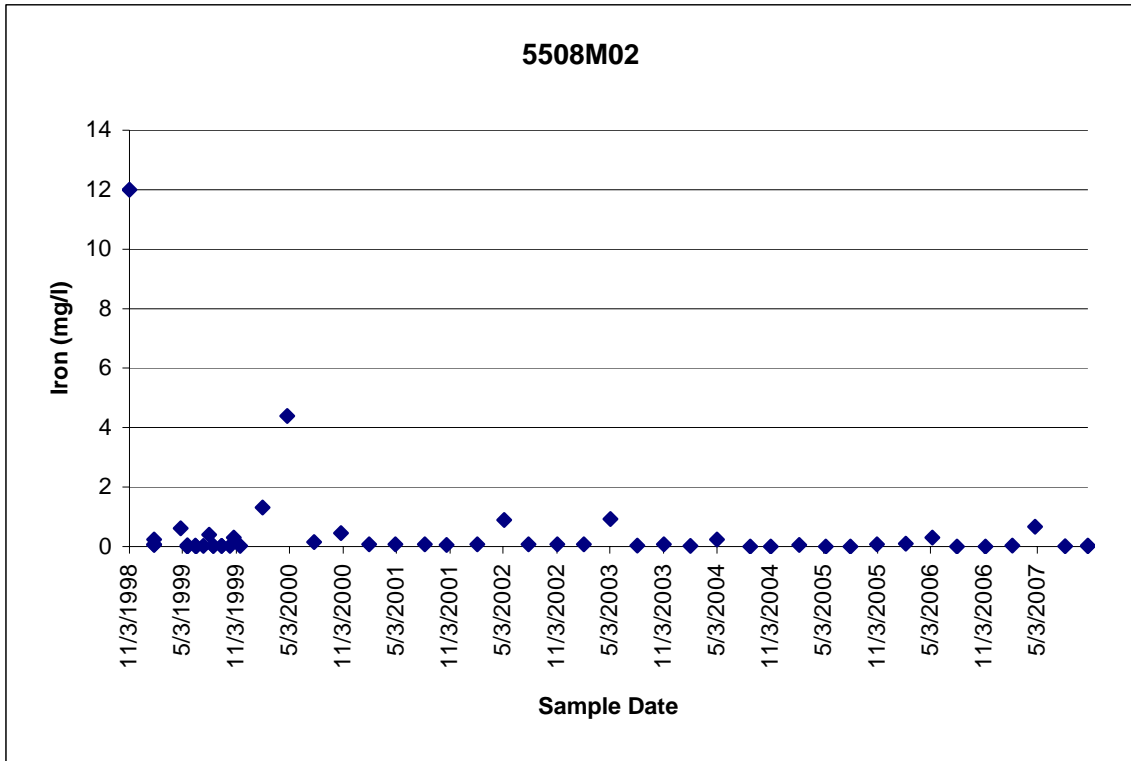
Summary Statistics

mean	0.477	
standard deviation	1.770	
minimum	0.005	
maximum	12	
95% confidence interval	-0.009	0.963

Trend Analysis

n	51	Number of datapoints
S	-153	Mann Kendall test statistic
Var(S)	15150.33	Variance
Z, z(1-a)	-1.2349, 1.645	Normal approximation
Probability	0.1061	Probability of no trend
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	

6331J01   Franklin Park, City monitoring well

6436N01
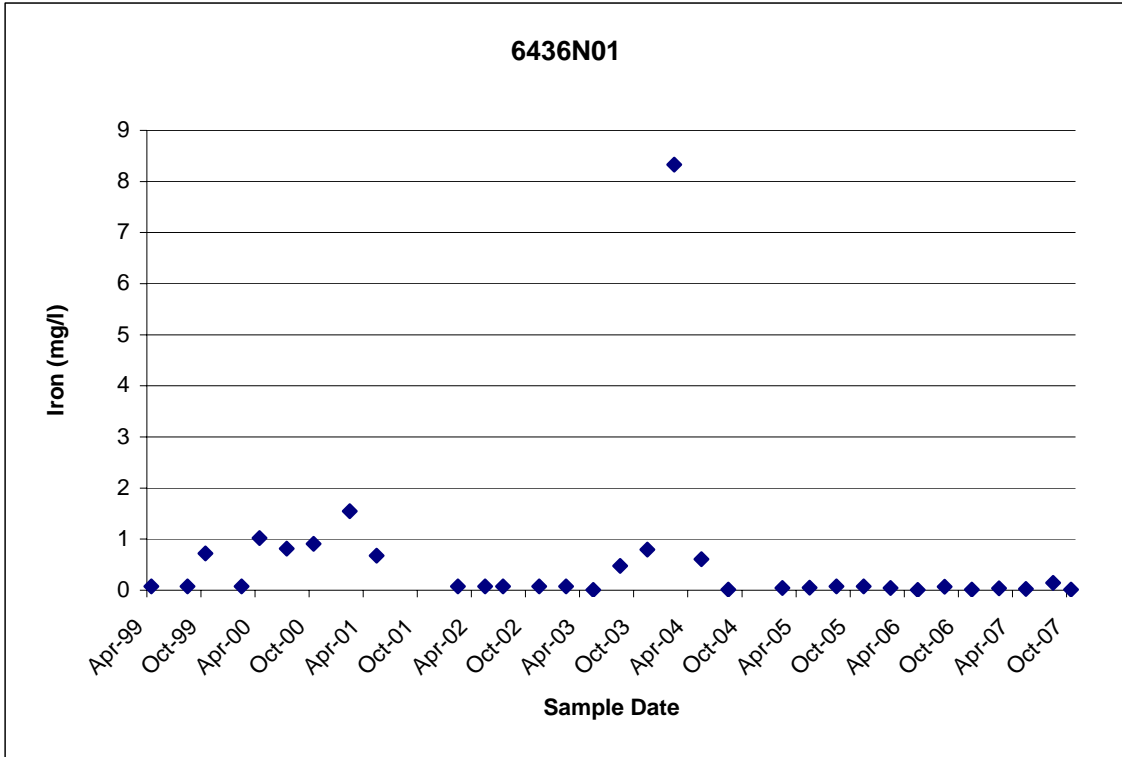
Summary Statistics

mean	0.535	
standard deviation	1.475	
minimum	0.005	
maximum	8.33	
95% confidence interval	0.024	1.046

Trend Analysis

n	32	Number of datapoints
S	-196	Mann Kendall test statistic
Var(S)	3798.667	Variance
Z, z(1-a)	-3.1639, 1.645	Normal approximation
Probability	-0.8935	Probability of no trend
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

6436N01   East Valley High School monitoring well
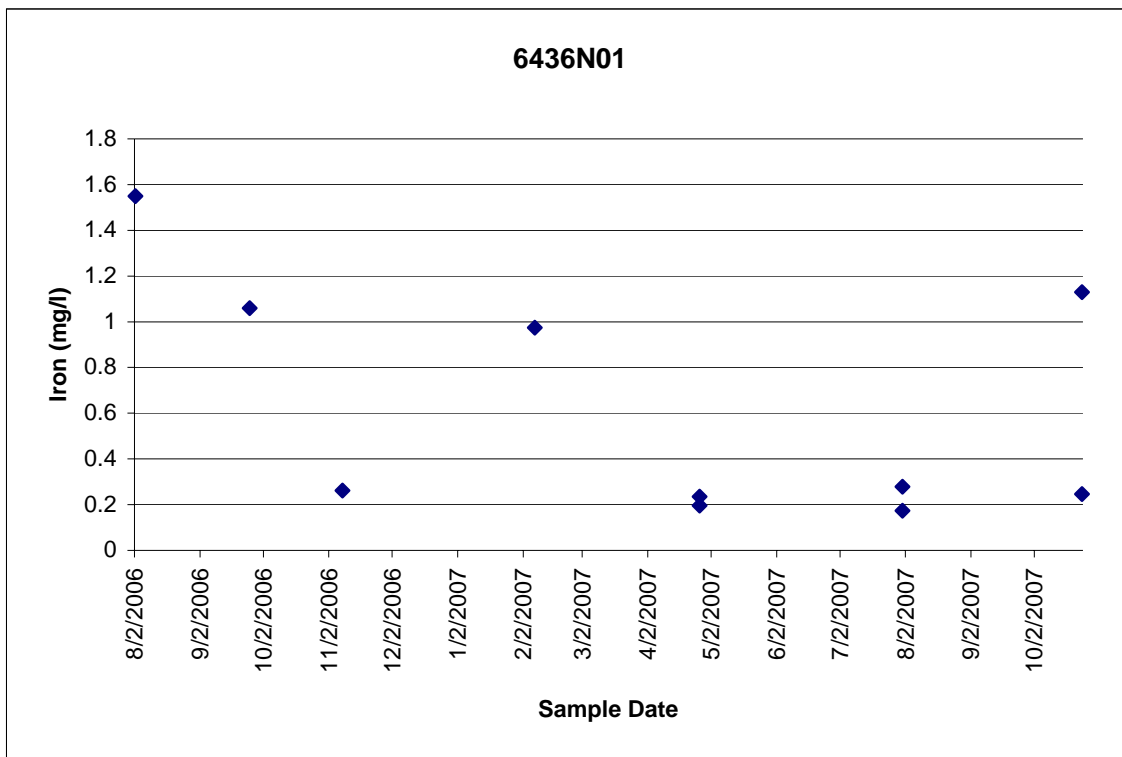
Summary Statistics

mean	0.611	
standard deviation	0.511	
minimum	0.173	
maximum	1.55	
95% confidence interval	0.294	0.928

Trend Analysis

S	-13	Mann Kendall test statistic
Var(S)	125	Variance
Z, z(1-a)	-1.0733, 1.645	Normal approximation
Probability	0.1405	Probability of no trend
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	

<u>**6631M07**</u>   <u>**Idaho Road - East Farms monitoring well at CID 11**</u>
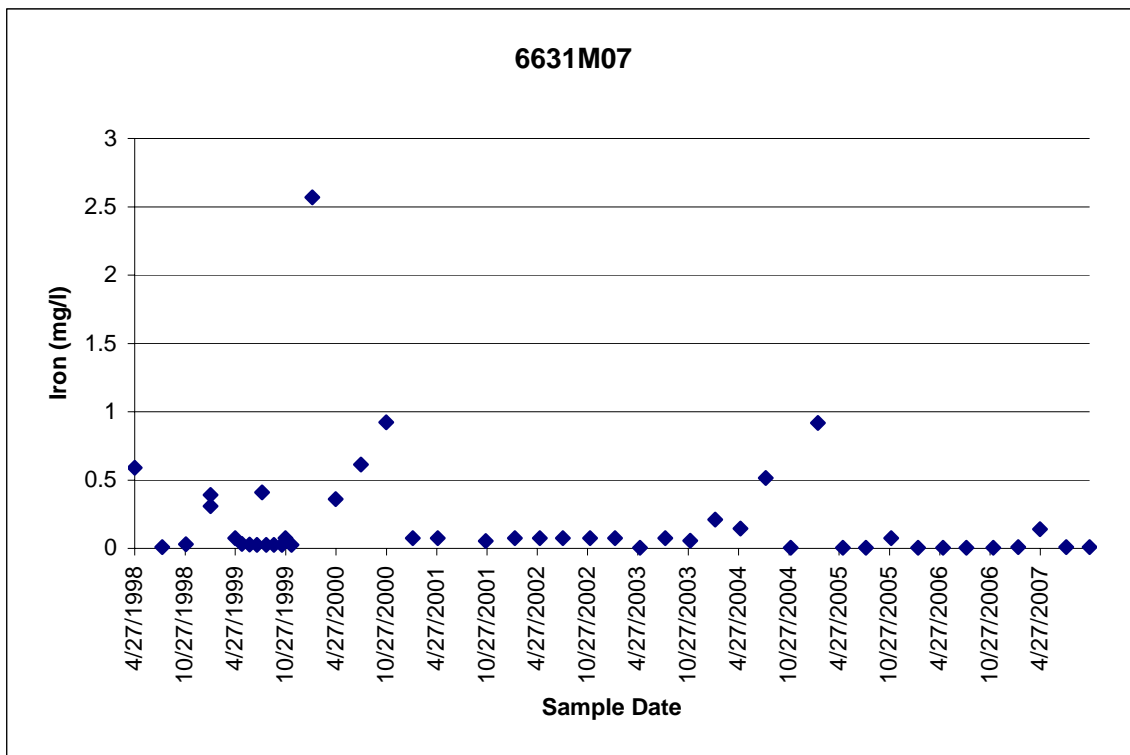
Summary Statistics

mean	0.203
standard deviation	0.424
minimum	0.005
maximum	2.57
95% confidence interval	0.080 0.325

Trend Analysis

n	46	Number of datapoints
S	-214	Mann Kendall test statistic
Var(S)	11147	Variance
Z, z(1-a)	-2.0174, 1.645	Normal approximation
Probability	-0.017	Probability of no trend
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

5324G01   East Spokane Water District Site 1
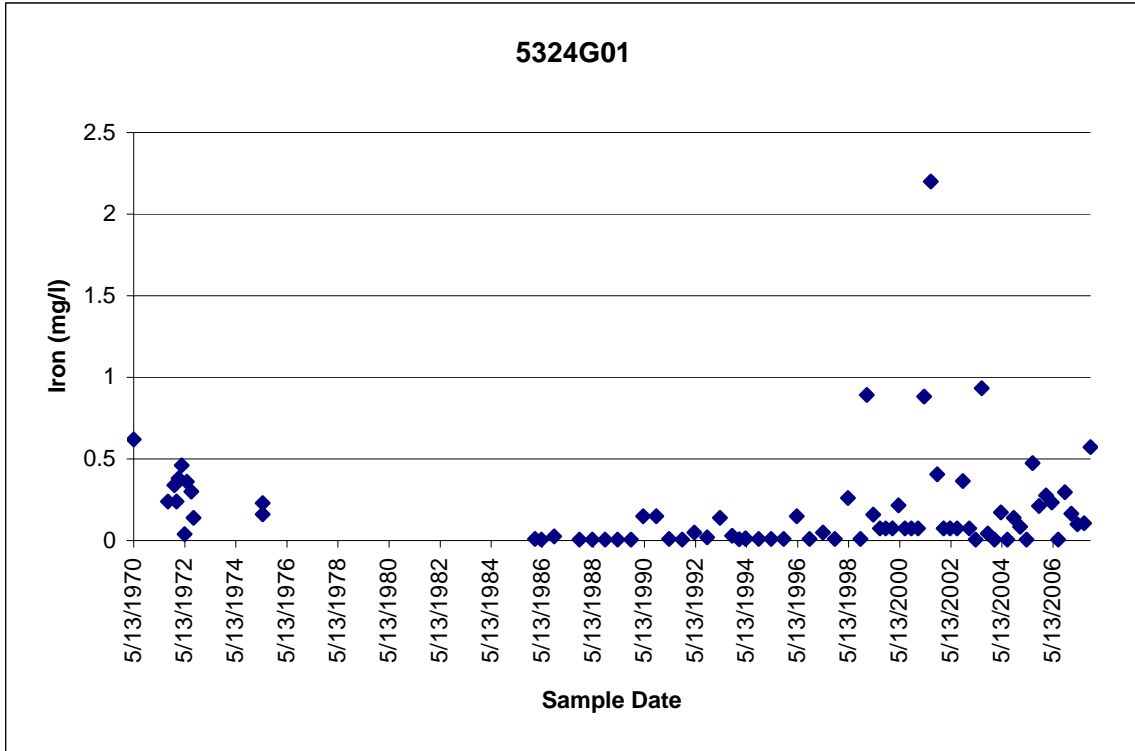
Summary Statistics

mean	0.189	
standard deviation	0.313	
minimum	0.005	
maximum	2.2	
95% confidence interval	0.119	0.260

Trend Analysis

Variable	Value	Comment
n	76	Number of datapoints
S	209	Mann Kendall test statistic
Var(S)	49709.67	Variance
Z, z(1-a)	0.9329, 1.645	Normal approximation
Probability	0.1755	Probability of no trend
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	

5426L01 Vera Water & Power Well #4
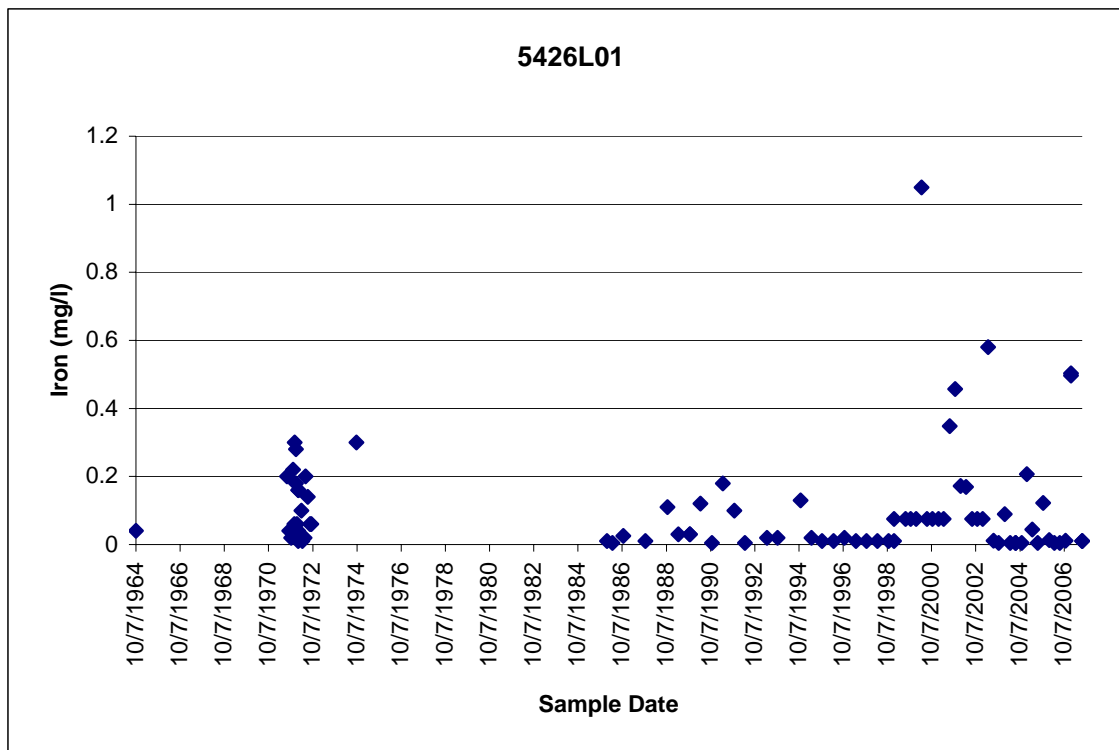
Summary Statistics

mean	0.106	
standard deviation	0.162	
minimum	0.005	
maximum	1.05	
95% confidence interval	0.071	0.140

Trend Analysis

Variable	Value	Comment
n	83	Number of datapoints
S	-421	Mann Kendall test statistic
Var(S)	64643	Variance
Z, z(1-a)	-1.6519, 1.645	Normal approximation
Probability	0.0373	Probability of no trend
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

6631M04   Consolidated Irrigation District 19, Site 11B
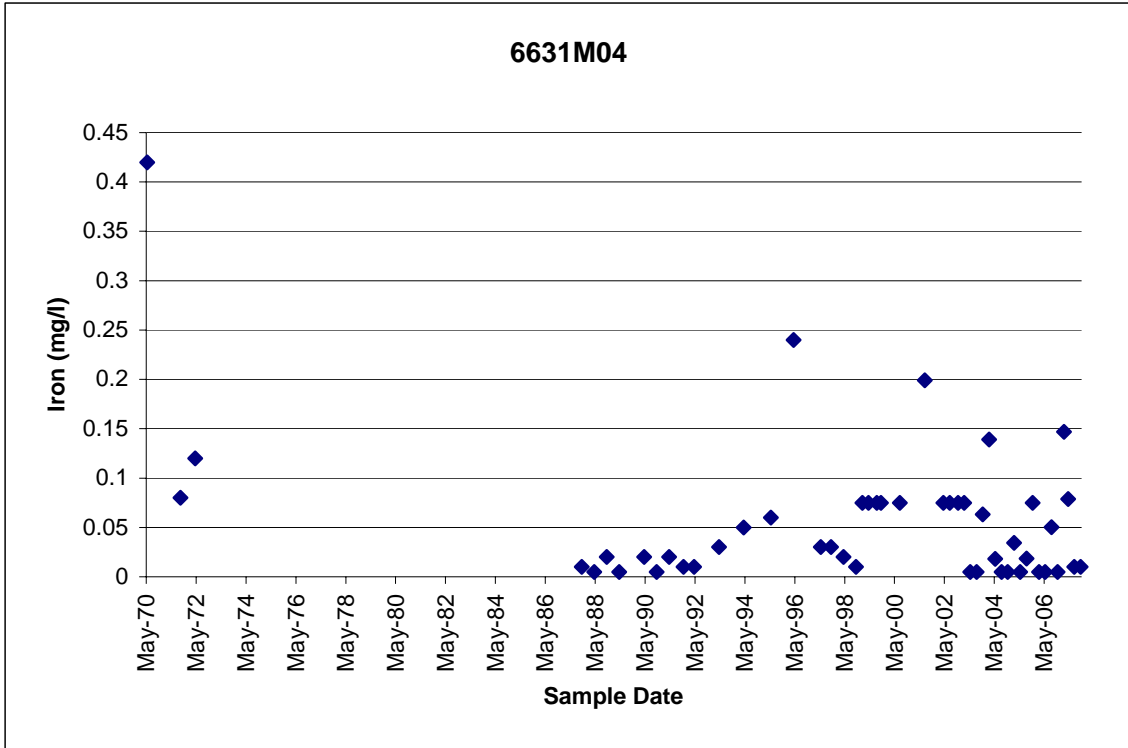
Summary Statistics

mean	0.056	
standard deviation	0.074	
minimum	0.005	
maximum	0.42	
95% confidence interval	0.035	0.077

Trend Analysis

n	49	Number of datapoints
S	-60	Mann Kendall test statistic
Var(S)	13448.67	Variance
Z, z(1-a)	-0.5088, 1.645	Normal approximation
Probability	0.3055	Probability of no trend
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	

5323E01   **6th and Havanna Monitoring Well (MW-2)**
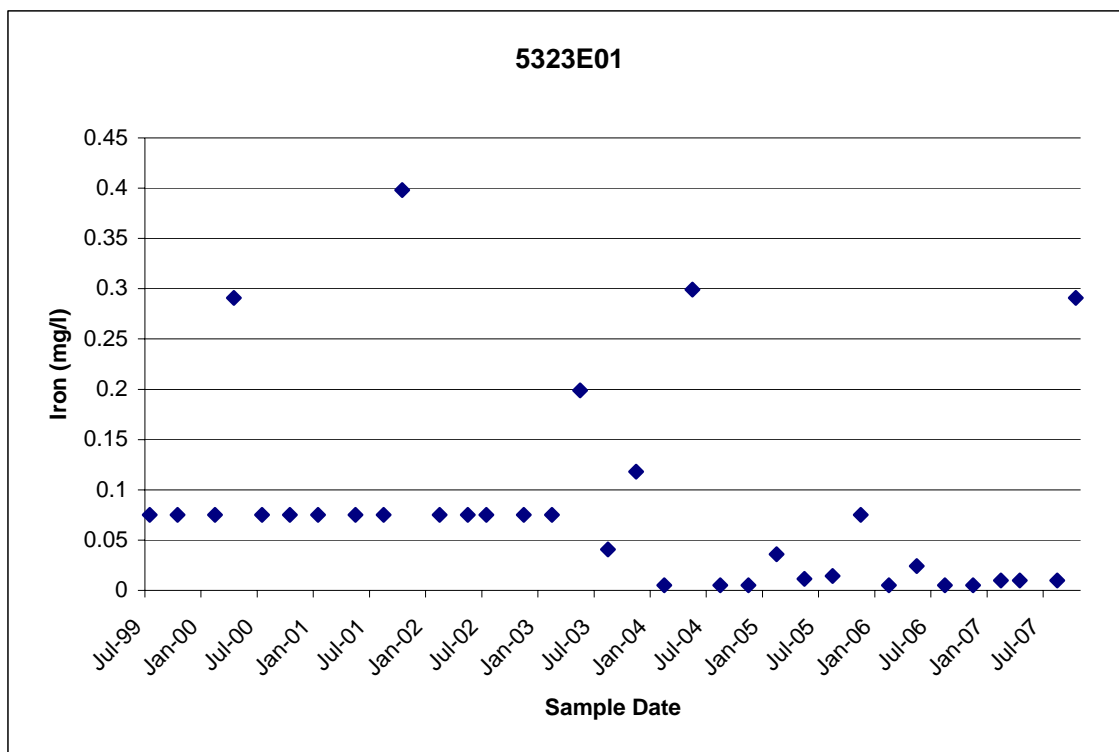
Summary Statistics

mean	0.083	
standard deviation	0.098	
minimum	0.005	
maximum	0.398	
95% confidence interval	0.050	0.116

Trend Analysis

n	34	Number of datapoints
S	-195	Mann Kendall test statistic
Var(S)	4542.333	Variance
Z, z(1-a)	-2.8785, 1.645	Normal approximation
Probability	-0.4029	Probability of no trend
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	