

SAN RAFAEL RIVER SITE NO. 1

<u>Field</u>	<u>Field</u>	<u>Field</u>	<u>Field</u>	<u>Field</u>	<u>Field</u>	<u>Field</u>	<u>Lab</u>	<u>Lab</u>	<u>Lab</u>	<u>Lab</u>	<u>Lab</u>	<u>Lab</u>
<u>Date</u>	<u>Time</u>	<u>CFS</u>	<u>pH</u>	<u>C°</u>	<u>F°</u>	Dissolved Oxygen Do <u>mg/l</u>	PH <u>units</u>	Dissolved Oxygen Do <u>mg/l</u>	Total Suspended Solids Tss <u>mg/l</u>	Total Dissolved Solids Tds <u>mg/l</u>	Selenium Se <u>mg/l</u>	Spec. Conductivity <u>umhos/cm</u>
September 16, 2009	12:30 PM	203	8.4	16.4	61.4	N/A	7.3	5.0	33,900	1,410	0.0018	N/A
October 12, 2009	10:30 AM	24.2	9.0	10.4	50.7	N/A	7.9	7.4	62	2,450	0.0025	N/A
November 16, 2009	10:00 AM	23.7	8.9	2.3	36.1	N/A	7.7	7.8	16	2,240	0.0026	N/A
December 15, 2009	9:00 AM	23.7	8.4	0.07	32.1	N/A	7.3	9.3	10	3,010	0.0031	N/A
January 11, 2010	11:00 AM	23.7	N/A	N/A	N/A	N/A	7.2	10.4	12	2,270	0.0025	N/A
February 15, 2010	10:30 AM	23.7	8.6	-0.10	31.8	N/A	7.5	8.7	51	2,450	0.0030	N/A
March 8, 2010	10:30 AM	80.0	8.7	1.8	35.2	N/A	7.5	8.5	4,400	1,340	0.0014	1,720
April 12, 2010	12:30 PM	25.0	8.2	13.6	56.5	9.2	8.0	5.9	23	3,850	0.0041	4,210
May 10, 2010	12:30 PM	17.0	8.1	18.2	64.8	8.3	8.0	8.3	9	3,610	0.0040	4,030
June 14, 2010	12:30 PM	150.0	7.9	17.9	64.2	8.0	7.9	8.3	743	1,010	0.0013	1,370
July 12, 2010	12:30 PM	10.2	8.2	27.3	81.1	7.4	7.8	6.7	29	2,410	0.0026	2,780
August 16, 2010	12:30 PM	7.7	8.7	25.0	77.0	7.0	8.0	6.2	46	3,250	0.0039	3,470
September 13, 2010	2:00 PM	9.1	8.1	22.8	73.0	8.1	8.0	7.2	16	3,070	0.0016	3,410
October 11, 2010	2:00 PM	40.0	7.8	14.9	58.8	6.7	7.6	7.4	12,100	1,960	N/D	2,300
November 16, 2010	12:30 PM	31.0	8.4	5.8	42.4	10.6	8.0	10.1	44	2,830	0.0027	3,100
December 13, 2010	1:00 PM	27.7	8.3	1.7	35.1	11.9	8.5	9.4	53	1,970	0.0025	2,250
January 17, 2011	11:30 AM	27.7	8.1	0.30	32.5	11.0	7.8	7.7	25	3,770	0.0035	4,150
February 14, 2011	12:15 PM	27.7	7.9	-0.10	31.8	11.8	7.8	8.3	181	2,580	N/D	3,120
March 8, 2011	12:00 PM	27.3	8.1	7.3	45.1	10.8	8.2	9.7	144	2,810	0.0040	3,170
April 12, 2011	1:00 PM	160.0	8.1	9.5	49.1	10.1	8.1	8.1	634	624	0.0009	935
May 16, 2011	12:30 PM	287.0	8.1	15.3	59.5	8.2	8.2	7.9	2,400	658	N/D	1,050
June 13, 2011	11:00 AM	1,150.0	7.9	17.4	63.3	6.7	8.1	7.6	439	548	0.0012	820
July 12, 2011	10:30 AM	1,150.0	8.1	19.8	67.6	7.1	7.9	7.6	8,700	856	0.0013	1,140
August 9, 2011	11:30 AM	90.0	7.8	21.5	70.7	6.8	7.9	6.6	1,560	2,090	0.0025	2,480
September 12, 2011	12:30 PM	111.0	7.7	18.9	66.0	5.7	7.8	6.7	37,900	1,230	0.0007	1,700
October 10, 2011	12:30 PM	116.0	8.0	10.0	50.0	9.2	7.9	9.0	2,780	1,810	0.0017	1,810
November 8, 2011	11:30 AM	77.0	8.1	5.0	41.0	10.6	8.0	9.1	52	2,280	0.0029	2,700
December 19, 2011	12:00 PM	77.0	8.1	0.6	33.1	11.7	8.0	10.0	88	1,730	0.0031	2,140

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<u>Date</u>	<u>Time</u>	<u>CFS</u>	<u>pH</u>	<u>C°</u>	<u>F°</u>	<u>Do</u> <u>mg/l</u>	<u>PH</u> <u>units</u>	<u>Do</u> <u>mg/l</u>	<u>Tss</u> <u>mg/l</u>	<u>Tds</u> <u>mg/l</u>	<u>Se</u> <u>mg/l</u>	<u>Spec.</u> <u>Conductivity</u> <u>umhos/cm</u>
January 16, 2012	12:00 PM	77.0	7.9	0.0	32.0	11.1	8.0	11.0	16	2,430	0.0041	3,000
February 13, 2012	12:30 PM	38.0	8.0	1.8	35.2	12.4	8.2	8.7	54	1,900	0.0052	2,430
March 5, 2012	12:30 PM	35.0	8.1	5.9	42.6	11.0	8.0	8.7	26	2,440	0.0048	2,670
April 9, 2012	12:30 PM	20.3	7.9	13.1	55.6	9.4	8.1	7.8	10	2,900	0.0046	3,240
May 15, 2012	1:00 PM	17.0	8.0	22.0	71.6	8.1	8.0	7.3	12	3,270	0.0046	3,700
June 13, 2012	12:30 PM	9.0	8.0	25.2	77.4	7.7	7.8	7.0	15	3,520	0.0060	3,930
July 17, 2012	12:30 PM	519.0	7.7	19.4	66.9	2.8	7.3	5.3	18,300	1,010	0.0005	1,260
August 13, 2012	1:00 PM	19.4	7.8	26.0	78.8	6.6	7.9	6.8	4,220	1,390	0.0012	1,660
September 10, 2012	1:00 PM	11.3	7.9	22.4	72.3	7.4	8.0	7.4	337	1,280	0.0108	1,640
October 15, 2012	12:30 PM	56.0	8.1	12.2	54.0	8.5	7.7	8.0	20,800	1,430	N/D	1,990
November 12, 2012	12:30 PM	30.0	8.1	2.5	36.5	11.9	8.1	9.9	268	2,790	0.0044	3,180
December 17, 2012	12:00 PM	20.0	8.2	1.7	35.1	11.0	8.0	9.4	23	3,140	0.0058	3,320
January 14, 2013	12:30 PM	20.0	7.7	-0.1	31.8	9.9	7.4	11.0	13	3,580	0.0039	3,800
February 12, 2013	12:30 PM	20.0	8.0	0.0	32.0	10.0	7.8	9.8	62	2,880	0.0044	3,130
March 11, 2013	12:30 PM	75.0	7.9	4.2	39.6	9.5	7.6	8.1	8,660	2,560	N/D	1,800
April 22, 2013	12:45 PM	20.0	8.1	15.5	59.9	8.1	8.3	8.9	88	2,900	0.0048	3,370
May 13, 2013	12:30 PM	9.0	8.1	22.8	73.0	7.7	8.0	7.2	20	3,390	0.0040	3,480
June 10, 2013	12:00 PM	2.5	8.0	27.9	82.2	7.2	8.1	8.9	12	3,280	0.0041	3,310
July 22, 2013	1:00 PM	25.0	7.8	27.7	81.9	4.9	7.6	6.9	20,300	1,110	N/D	1,630
August 19, 2013	12:00 PM	6.0	8.0	25.0	77.0	7.3	7.8	7.5	20	2,560	0.0032	3,130
November 18, 2013	12:30 PM	14.8	8.0	6.3	43.3	9.9	8.1	9.5	52	2,560	0.0035	2,700
December 9, 2013	11:00 AM	14.8	8.3	0.0	32.0	11.2	7.8	10.4	50	3,220	0.0049	3,580

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<u>Date</u>	<u>Time</u>	<u>CFS</u>	<u>pH</u>	<u>C°</u>	<u>F°</u>	<u>Do</u> mg/l	<u>PH</u> units	<u>Do</u> mg/l	<u>Tss</u> mg/l	<u>Tds</u> mg/l	<u>Se</u> mg/l	<u>umhos/cm</u>
January 13, 2014	11:00 AM	14.8	8.1	0.0	32.0	10.3	7.9	9.7	22	3,250	0.0038	3,480
February 18, 2014	10:30 AM	26.4	8.3	0.8	33.4	10.5	8.0	9.6	287	2,170	0.0036	2,300
March 17, 2014	11:30 AM	24.1	8.1	6.9	44.4	9.3	8.0	9.7	36	3,420	0.0046	3,550
April 14, 2014	10:45 AM	8.2	7.9	9.9	49.8	9.3	7.7	8.0	18	3,400	0.0043	3,580
May 12, 2014	11:15 AM	N/A	8.1	11.9	53.4	8.5	8.0	8.5	265	1,160	0.0019	1,520
June 9, 2014	10:30 PM	123.0	8.2	18.2	64.8	7.3	8.0	8.1	1,360	604	0.0014	880
July 7, 2014	11:00 PM	5.7	8.1	25.4	77.7	7.0	7.9	7.1	15	2,480	0.0023	3,020
August 18, 2014	10:30 AM	18.6	7.8	22.1	71.8	7.0	8.0	7.7	284	1,900	0.0028	2,220
September 15, 2014	10:45 AM	26.7	8.2	17.6	63.7	7.6	8.0	7.5	888	1,880	0.0034	2,440
October 14, 2014	11:00 AM	29.2	8.3	10.5	50.9	8.7	8.0	8.5	94	1,900	0.0029	2,380
November 10, 2014	10:45 AM	20.5	8.0	6.8	44.2	N/A	8.0	9.8	32	2,520	0.0036	3,030
December 15, 2014	10:30 AM	25.3	7.7	2.3	36.1	11.5	8.1	8.8	15	8,790	0.0035	2,920
January 20, 2015	10:30 AM	20.0	7.0	4.7	40.5	10.4	8.0	10.9	46	1,880	0.0027	2,310
February 17, 2015	11:00 AM	34.2	8.0	9.0	48.2	10.6	8.1	7.4	27	1,880	0.0029	2,510
March 16, 2015	11:00 AM	40.6	8.1	18.0	64.4	9.0	8.0	8.4	49	1,720	0.0019	2,180
April 20, 2015	10:30 AM	15.5	7.9	19.0	66.2	8.4	8.1	8.3	10	3,400	0.0032	4,030
May 18, 2015	11:15 AM	45.0	8.0	24.0	75.2	7.5	7.9	8.0	3,260	1,820	N/D	2,680
June 15, 2015	11:00 AM	100.0	8.2	26.2	79.2	3.6	8.0	7.4	2,270	976	0.0086	1,340
July 20, 2015	11:00 AM	100.0	7.9	27.0	80.6	6.8	7.9	7.4	925	548	0.0017	1,720
August 18, 2015	11:30 AM	9.9	7.8	24.0	75.2	5.0	7.8	7.4	151	2,220	0.0043	2,780
September 21, 2015	11:00 AM	15.7	7.9	27.9	82.2	8.0	8.0	8.2	446	2,030	0.0040	2,540
October 26, 2015	11:00 AM	60.0	8.0	13.4	56.1	7.7	7.8	8.3	920	1,750	0.0028	2,120
November 23, 2015	11:00 AM	20.0	7.8	18.0	64.4	11.0	7.9	10.2	215	2,330	0.0035	3,090
December 15, 2015	11:30 AM	20.0	8.0	2.5	36.5	N/A	7.8	10.9	57	2,790	0.0044	3,360

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<u>Date</u>	<u>Time</u>	<u>CFS</u>	<u>pH</u>	<u>C°</u>	<u>F°</u>	<u>Do</u>	<u>PH</u>	<u>Do</u>	<u>Tss</u>	<u>Tds</u>	<u>Se</u>	<u>umhos/cm</u>
						<u>mg/l</u>	<u>units</u>	<u>mg/l</u>	<u>mg/l</u>	<u>mg/l</u>	<u>mg/l</u>	
						<u>Dissolved</u>		<u>Dissolved</u>	<u>Total</u>	<u>Total</u>		<u>Spec.</u>
						<u>Oxygen</u>		<u>Oxygen</u>	<u>Suspended</u>	<u>Dissolved</u>	<u>Selenium</u>	<u>Conductivity</u>
						<u>Temp</u>		<u>Temp</u>	<u>Solids</u>	<u>Solids</u>		
						<u>Water</u>		<u>Water</u>				
						<u>Temp</u>		<u>Temp</u>				
January 19, 2016	11:00 AM	20.0	7.9	0.2	32.4	10.7	8.0	9.8	32	3,400	0.0045	3,500
February 8, 2016	10:30 AM	20.0	7.3	0.0	32.0	10.3	7.8	10.3	38	3,070	0.0046	3,580
March 21, 2016	11:00 AM	12.0	7.6	7.7	45.9	9.4	8.1	9.5	67	1,920	0.0032	2,650
April 18, 2016	10:45 AM	12.6	7.3	10.4	50.7	8.9	8.0	8.7	34	3,460	0.0039	3,980
May 16, 2016	11:00 AM	20.1	7.2	17.5	63.5	7.6	8.1	8.3	107	2,800	0.0029	3,240
June 13, 2016	10:45 AM	11.0	7.5	18.3	64.9	7.4	8.0	7.8	50	2,130	0.0029	2,650
July 11, 2016	11:15 AM	4.6	6.3	21.6	70.9	7.2	7.9	7.2	92	1,830	0.0028	2,240
August 15, 2016	10:15 AM	5.6	6.7	19.4	66.9	7.5	7.8	7.6	57	1,760	0.0036	2,150
September 12, 2016	10:15 AM	8.5	7.7	15.8	60.4	7.9	7.9	8.1	228	1,660	0.0036	2,170
October 17, 2016	10:30 AM	15.0	7.8	12.8	55.0	7.9	7.9	9.8	7.6	2,600	0.0028	3,110
November 14, 2016	10:30 AM	21.6	7.6	6.7	44.1	9.4	8.1	9.1	44	2,960	0.0027	3,390
December 19, 2016	10:30 AM	14.0	7.1	0	32.0	10.7	7.9	8.8	56	3,440	0.0039	3,770

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