

Table C-1: Rose Creek Drainage Water Quality
2010 - Surface Water - General Parameters

Station	Date	ALK	ALKPP	CaCO3	CaCO3-d	Chloride	CN(wad)	CNTHIO	CO3	Colour	COND	CONDf	DOC	HCO3	NH3	NO2	NO2/3	NO3	OH	pH	pHF	SO4-d	TDS	TEMP-F	TOC	TSS	TURB	
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	TCU	µmho/cm	µmho/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L			mg/L	mg/L	°C	mg/L	mg/L	NTU	
ETA Combined	9/2/2010	<0.5	<0.5			12.00			<0.5		7060.0	>3999.0		<0.5	1.10	0.01	0.90	0.89	<0.5	4.9	6.0	6600.0	6400.00	5		170		
ETA Combined	10/20/2010	<0.5	<0.5	3600	4140	12.00			<0.5		7510.0	>3999.0		<0.5	1.30	0.01	0.34	0.33	<0.5	4.9	6.3	6900.0	7400.00	2		190		
ETA Combined	11/8/2010	1.80	<0.5	3880	3900	9.50			<0.5		7450.0	>3999.0		2.10	0.95	0.02	0.03	<0.02	<0.5	5.1	6.1	7200.0	7200.00	2		150		
ETA Combined	12/1/2010	3.40	<0.5	3720		11.00			<0.5		7360.0	>3999.0		4.10	1.20	<0.5	<0.02	<0.5	<0.5	5.3	6.2	7500.0	9000.00	2		140		
ETA Combined Average		1.43	0	3733	4020	11.13			0.25		7345.0	>3999.0		1.68	1.14	0.07	0.32	0.37	0	5.0	6.1	7050.0	7500.00	3		163		
ETA Combined Max		3.40	<0.5	3880	4140	12.00			<0.5		7510.0	>3999.0		4.10	1.30	<0.5	0.90	0.89	<0.5	5.3	6.3	7500.0	9000.00	5		190		
ETA Combined Min		<0.5	<0.5	3600	3900	9.50			<0.5		7060.0	>3999.0		<0.5	0.95	0.01	<0.02	<0.02	<0.5	4.9	6.0	6600.0	6400.00	2		140		
ETA Combined N > DL		2	0	3	2	4	0	0	0	0	4	0	0	2	4	3	3	2	0	4	4	4	4	4	0	4	0	4
ETA Combined Median		1.03	<0.5	3720	4020	11.50			<0.5		7405.0	>3999.0		1.18	1.15	0.02	0.19	0.33	<0.5	5.0	6.1	7050.0	7300.00	2		160		
FAROCR	5/3/2010	20.00	<0.5	25	25	<0.5			<0.5		50.0	78.0	13.5	25.00	<0.005				<0.5	7.3	7.5	<0.5	50.00	2	12.50	5		
FAROCR	6/5/2010	12.00	<0.5	14	14	<0.5			<0.5		29.0	21.0	4.2	15.00	<0.05				<0.5	7.2	7.8	<0.5	24.00	6	4.10	<1.0		
FAROCR	7/8/2010	16.00	<0.5	22	20	<0.5			<0.5		48.0	42.0	4.2	19.00	<0.05				<0.5	7.5	8.2	2.9	40.00	13	3.70	<1.0		
FAROCR	8/3/2010	39.00	<0.5	35	33	<0.5			<0.5		81.0	79.0	1.8	48.00	<0.05				<0.5	7.8	7.3	3.6	54.00	15	1.80	<1.0		
FAROCR	9/1/2010	34.00	<0.5	33	33	<0.5			<0.5		85.0	80.0	2.4	42.00	<0.05	<0.005	<0.02	<0.02	<0.5	7.7	7.8	4.6	62.00	7	3.90	<1.0	0.40	
FAROCR	10/19/2010	34.00	<0.5	34	35	<0.5			<0.5		74.0	244.0	4.7	41.00	0.02	<0.005	<0.02	<0.02	<0.5	7.7	7.3	4.6	50.00	2	1.00	<1.0	0.50	
FAROCR Average		25.83	0	27	26	0.25			0.25		61.2	90.7	5.1	31.67	0.02	0.00	0.01	0.01	0	7.5	7.6	2.7	46.67	7	4.50	1	0.45	
FAROCR Max		39.00	<0.5	35	35	<0.5			<0.5		85.0	244.0	13.5	48.00	<0.05	<0.005	<0.02	<0.02	<0.5	7.8	8.2	4.6	62.00	15	12.50	5	0.50	
FAROCR Min		12.00	<0.5	14	14	<0.5			<0.5		29.0	21.0	1.8	15.00	<0.005	<0.005	<0.02	<0.02	<0.5	7.2	7.3	<0.5	24.00	2	1.00	<1.0	0.40	
FAROCR N > DL		6	0	6	6	0	0	0	0	0	6	6	6	6	1	0	0	0	0	6	6	4	6	6	6	1	2	
FAROCR Median		27.00	<0.5	29	29	<0.5			<0.5		62.0	78.5	4.2	33.00	<0.05	<0.005	<0.02	0.00	<0.5	7.6	7.6	3.3	50.00	6	3.80	<1.0	0.45	
FCO	6/16/2010	17.00	<0.5	47	45	<0.5			<0.5		118.0	122.0		20.00	0.15				<0.5	7.1	7.9	33.0	76.00	8		<1.0		
FCO	9/1/2010																				7.3			5				
FCO	10/7/2010	17.00	<0.5	47	47	<0.5			<0.5		123.0	70.0		21.00	0.04	<0.005	0.05	0.05	<0.5	7.2	7.5	37.0	80.00	2		3		
FCO	11/4/2010																				7.5			0				
FCO Average		17.00	0	47	46	0.25			0.25		120.5	96.0		20.50	0.10	0.00	0.05	0.05	0	7.2	7.6	35.0	78.00	4		2		
FCO Max		17.00	<0.5	47	47	<0.5			<0.5		123.0	122.0		21.00	0.15	<0.005	0.05	0.05	<0.5	7.2	7.9	37.0	80.00	8		3		
FCO Min		17.00	<0.5	47	45	<0.5			<0.5		118.0	70.0		20.00	0.04	<0.005	0.05	0.05	<0.5	7.1	7.3	33.0	76.00	0		<1.0		
FCO N > DL		2	0	2	2	0	0	0	0	0	2	2	0	2	2	0	1	1	0	2	4	2	2	4	0	1	0	
FCO Median		17.00	<0.5	47	46	<0.5			<0.5		120.5	96.0		20.50	0.10	<0.005	0.05	0.05	<0.5	7.2	7.5	35.0	78.00	4		1		
FCS-4	9/2/2010	2.40	<0.5			15.00			<0.5		6080.0	>3999.0		2.90	1.10	<0.005	<0.02	<0.02	<0.5	5.3	6.3	5500.0	5700.00	4		230		
FCS-4	10/20/2010	<0.5	<0.5	4440	4220	13.00			<0.5		7180.0	>3999.0		<0.5	1.20	<0.005	0.15	0.15	<0.5	4.6	6.5	7300.0	7100.00	0		250		
FCS-4	11/10/2010	<0.5	<0.5	4400	4230	12.00			<0.5		7160.0	>3999.0		0.60	0.89	<0.005	<0.02	<0.02	<0.5	5.1	6.6	7200.0	8400.00	2		250		
FCS-4	12/2/2010	<0.5	<0.5	3980		12.00			<0.5		6890.0	>3999.0		<0.5	1.40	<0.5	0.03	<0.5	<0.5	4.7	6.7	7400.0	8200.00	3		180		
FCS-4 Average		0.79	0	4273	4225	13.00			0.25		6827.5	>3999.0		1.00	1.15	0.06	0.05	0.11	0	4.9	6.6	6850.0	7350.00	5		228		
FCS-4 Max		2.40	<0.5	4440	4230	15.00			<0.5		7180.0	>3999.0		2.90	1.40	<0.5	0.15	<0.5	<0.5	5.3	7.4	7400.0	8400.00	16		250		
FCS-4 Min		<0.5	<0.5	3980	4220	12.00			<0.5		6080.0	>3999.0		<0.5	0.89	<0.005	<0.02	<0.02	<0.5	4.6	3.8	5500.0	5700.00	0		180		
FCS-4 N > DL		1	0	3	2	4	0	0	0	0	4	0	0	2	4	0	2	1	0	4	4	4	4	4	0	4	0	4
FCS-4 Median		<0.5	<0.5	4400	4225	12.50			<0.5		7025.0	>3999.0		0.00	1.15	<0.005	0.00	0.13	<0.5	4.9	6.6	7250.0	7650.00	3		240		
GDHSECK	3/4/2010	230.00	<0.5	744	738	1.70			<0.5		1230.0	1110.0		280.00	0.12				<0.5	8.1	7.6	480.0	950.00	2				
GDHSECK	6/16/2010	170.00	<0.5	740	659	1.20			<0.5		1230.0	1238.0		210.00	<0.01				<0.5	8.1	8.2	490.0	990.00	6		<1.0		
GDHSECK	10/6/2010	180.00	<0.5	676	639	0.60			<0.5		1110.0	1234.0		220.00	0.03	<0.005	<0.02	<0.02	<0.5	8.1	7.1	500.0	870.00	2		<1.0		
GDHSECK Average		193.33	0	720	679	1.17			0.25		1190.0	1194.0		236.67	0.05	0.00	0.01	0.01	0	8.1	7.6	490.0	936.67	3		1		
GDHSECK Max		230.00	<0.5	744	738	1.70			<0.5		1230.0	1238.0		280.00	0.12	<0.005	<0.02	<0.02	<0.5	8.1	8.2	500.0	990.00	6		<1.0		
GDHSECK Min		170.00	<0.5	676	639	0.60			<0.5		1110.0	1110.0		210.00	<0.01	<0.005	<0.02	<0.02	<0.5	8.1	7.1	480.0	870.00	2		<1.0		
GDHSECK N > DL		3	0	3	3	3	0	0	0	0	3	3	0	3	2	0	0	0	0	3	3	3	3	3	0	0	0	0
GDHSECK Median		180.00	<0.5	740	659	1.20			<0.5		1230.0	1234.0		220.00	0.03	<0.005												

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Station	Date	ALK	ALKPP	CaCO3	CaCO3-d	Chloride	CN(wad)	CNTHIO	CO3	Colour	COND	CONDf	DOC	HCO3	NH3	NO2	NO2/3	NO3	OH	pH	pHF	SO4-d	TDS	TEMP-F	TOC	TSS	TURB	
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	TCU	µmho/cm	µmho/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	°C	mg/L	mg/L	NTU	
NF1	2/23/2010	140.00	<0.5	160	148	<0.5			<0.5		297.0	240.0	1.5	170.00	0.02				<0.5	7.9	7.8	19.0	240.00	1	1.80	12		
NF1	3/10/2010	140.00	<0.5	155	155	<0.5			<0.5		298.0	269.0	1.0	170.00	<0.01				<0.5	8.0	7.8	20.0	180.00	2	1.10	<1.0		
NF1	4/11/2010	150.00	<0.5	143	168	<0.5			<0.5		325.0	260.0	3.2	190.00	0.04				<0.5	7.9	7.4	20.0	170.00	0	3.20	10		
NF1	5/3/2010	49.00	<0.5	53	51	1.90			<0.5		103.0	90.0	13.5	60.00	<0.005				<0.5	7.6	7.4	0.8	74.00	2	13.30	2		
NF1	6/5/2010	46.00	<0.5	54	52	<0.5			<0.5		97.0	99.0	3.1	57.00	<0.05				<0.5	7.6	7.8	6.1	70.00	4	3.20	2		
NF1	7/8/2010	64.00	<0.5	64	69	<0.5			<0.5		134.0	129.0	3.4	78.00	<0.05				<0.5	7.9	7.7	8.0	80.00	12	3.40	2		
NF1	8/3/2010	140.00	<0.5	176	169	0.80			<0.5		355.0	421.0	4.1	170.00	<0.05				<0.5	7.3	6.7	48.0	230.00	17	5.40	7		
NF1 Average		104.14	0	115	116	0.56			0.25		229.9	215.4	4.3	127.86	0.02				0	7.7	7.5	17.4	149.14	5	4.49	5		
NF1 Max		150.00	<0.5	176	169	1.90			<0.5		355.0	421.0	13.5	190.00	<0.05				<0.5	8.0	7.8	48.0	240.00	17	13.30	12		
NF1 Min		46.00	<0.5	53	51	<0.5			<0.5		97.0	90.0	1.0	57.00	<0.005				<0.5	7.3	6.7	0.8	70.00	0	1.10	<1.0		
NF1 N > DL		7	0	7	7	2	0	0	0	0	7	7	7	7	2	0	0	0	0	7	7	7	7	7	7	7	6	0
NF1 Median		140.00	<0.5	143	148	<0.5			<0.5		297.0	240.0	3.2	170.00	0.04				<0.5	7.9	7.7	19.0	170.00	2	3.20	2		
NF2	1/12/2010	130.00	<0.5	146	147	<0.5			<0.5		286.0	266.0	1.5	160.00	<0.01				<0.5	7.7	6.9	22.0	190.00	0	0.90	<1.0		
NF2	2/23/2010	140.00	<0.5	158	155	<0.5			<0.5		295.0	230.0	2.0	170.00	<0.01				<0.5	8.0	7.7	19.0	160.00	0	1.90	<1.0		
NF2	3/10/2010	140.00	<0.5	147	149	<0.5			<0.5		298.0	267.0	1.1	170.00	<0.01				<0.5	8.0	7.6	20.0	180.00	2	1.20	<1.0		
NF2	4/14/2010	150.00	<0.5	142	153	<0.5			<0.5		308.0	270.0	1.8	180.00	<0.01				<0.5	8.2	7.5	21.0	150.00	1	1.40	<1.0		
NF2	5/3/2010	52.00	<0.5	57	51	0.60			<0.5		107.0	97.0	13.9	64.00	<0.005				<0.5	7.6	7.3	<0.5	88.00	1	13.90	3		
NF2	6/4/2010	42.00	<0.5	48	48	<0.5			<0.5		87.0	81.0	3.0	51.00	<0.05				<0.5	7.6	7.9	5.6	56.00	5	3.20	4		
NF2	7/8/2010	65.00	<0.5	65	64	<0.5			<0.5		136.0	154.0	3.4	79.00	<0.05				<0.5	7.9	8.2	9.0	78.00	10	3.60	3		
NF2	8/3/2010	93.00	<0.5	89	89	<0.5			<0.5		196.0	193.0	2.3	110.00	<0.05				<0.5	8.0	7.5	10.0	110.00	13	2.10	18		
NF2	9/1/2010	89.00	<0.5	94	96	<0.5			<0.5		203.0	222.0	2.6	110.00	0.16	<0.005	0.05	0.05	<0.5	7.9	8.1	12.0	120.00	5	2.50	<1.0	0.70	
NF2	10/18/2010	96.00	<0.5	111	106	0.60			<0.5		215.0	200.0	1.5	120.00	<0.005	<0.005	0.14	0.14	<0.5	7.9	7.5	15.0	130.00	1	1.80	<1.0	1.10	
NF2	11/9/2010	110.00	<0.5	122	121	<0.5			<0.5		258.0	252.0	<0.5	140.00	0.02	<0.005	0.19	0.19	<0.5	8.1	8.1	21.0	170.00	0	1.50	<4.0	1.20	
NF2	12/1/2010	120.00	<0.5	129	131	<0.5			<0.5		262.0	120.0	1.4	150.00	0.14	<0.005	0.21	0.21	<0.5	7.9	7.4	20.0	150.00	0	1.30	<4.0	0.82	
NF2 Average		102.25	0	109	109	0.31			0.25		220.9	196.0	2.9	125.33	0.03	0.00	0.15	0.15	0	7.9	7.6	14.6	131.83	3	2.94	3	0.93	
NF2 Max		150.00	<0.5	158	155	0.60			<0.5		308.0	270.0	13.9	180.00	0.16	<0.005	0.21	0.21	<0.5	8.2	8.2	22.0	190.00	13	13.90	18	1.20	
NF2 Min		42.00	<0.5	48	48	<0.5			<0.5		87.0	81.0	<0.5	51.00	<0.005	<0.005	0.05	0.05	<0.5	7.6	6.9	<0.5	56.00	0	0.90	<1.0	0.70	
NF2 N > DL		12	0	12	12	2	0	0	0	0	12	12	11	12	3	0	4	4	0	12	12	11	12	12	12	4	4	
NF2 Median		103.00	<0.5	117	114	<0.5			<0.5		236.5	211.0	1.9	130.00	0.01	<0.005	0.17	0.17	<0.5	7.9	7.6	17.0	140.00	1	1.85	2	0.96	
NFRC SC-1	1/12/2010	130.00	<0.5	147	146	<0.5			<0.5		288.0	252.0	1.4	160.00	<0.01				<0.5	7.6	6.8	22.0	170.00	0	1.00	<1.0		
NFRC SC-1	2/23/2010	140.00	<0.5	156	152	<0.5			<0.5		298.0	250.0	1.1	170.00	<0.01				<0.5	8.0	7.8	20.0	190.00	1	1.70	<1.0		
NFRC SC-1	3/10/2010	140.00	<0.5	153	152	0.60			<0.5		304.0	269.0	1.2	170.00	<0.01				<0.5	8.0	7.8	22.0	190.00	2	1.30	<1.0		
NFRC SC-1	4/14/2010	140.00	<0.5	143	157	<0.5			<0.5		304.0	260.0	1.8	170.00	<0.01				<0.5	8.1	7.2	21.0	120.00	3	1.40	<1.0		
NFRC SC-1	5/3/2010	53.00	<0.5	55	57	<0.5			<0.5		108.0	96.0	13.1	64.00	<0.005				<0.5	7.6	7.6	<0.5	90.00	1	14.10	4		
NFRC SC-1	6/4/2010	40.00	<0.5	48	47	<0.5			<0.5		88.0	84.0	3.3	49.00	<0.05				<0.5	7.6	7.7	5.9	74.00	5	3.20	4		
NFRC SC-1	7/8/2010	65.00	<0.5	66	61	<0.5			<0.5		137.0	129.0	3.4	79.00	<0.05				<0.5	7.9	8.1	9.0	84.00	9	3.50	5		
NFRC SC-1	8/3/2010	95.00	<0.5	97	92	<0.5			<0.5		197.0	192.0	1.3	120.00	<0.05				<0.5	8.0	7.6	10.0	120.00	12	1.90	2		
NFRC SC-1	10/18/2010	98.00	<0.5	105	108	<0.5			<0.5		217.0	197.0	2.0	120.00	0.04	<0.005	0.14	0.14	<0.5	8.0	7.5	16.0	130.00	0	1.40	<1.0		
NFRC SC-1 Average		100.11	0	108	108	0.29			0.25		215.7	192.1	3.2	122.44	0.02	0.00	0.14	0.14	0	7.9	7.6	14.0	129.78	4	3.28	2		
NFRC SC-1 Max		140.00	<0.5	156	157	0.60			<0.5		304.0	269.0	13.1	170.00	<0.05	<0.005	0.14	0.14	<0.5	8.1	8.1	22.0	190.00	12	14.10	5		
NFRC SC-1 Min		40.00	<0.5	48	47	<0.5			<0.5		88.0	84.0	1.1	49.00	<0.005	<0.005	0.14	0.14	<0.5	7.6	6.8	<0.5	74.00	0	1.00	<1.0		
NFRC SC-1 N > DL		9	0	9	9	1	0	0	0	0	9	9	9	9	1	0	1	1	0	9	9	8	9	9	9	4	0	
NFRC SC-1 Median		98.00	<0.5	105	108	<0.5			<0.5		217.0	197.0	1.8	120.00	<0.01	<0.005	0.14	0.14	<0.5	8.0	7.6	16.0	120.00	2	1.70	<1.0		
NFRC SC-2	1/12/2010	130.00	<0.5	141	143	<0.5			<0.5		287.0	250.0	1.8	160.00	<0.01				<0.5	7.6	7.0	24.0	160.00	0	1.20	<1.0		
NFRC SC-2	2/23/2010	140.00	<0.5	155	151	<0.5			<0.5		300.0	240.0	1.5	170.00	<0.01				<0.5	7.9	7.8	20.0	170.00	0	1.50	<1.0		
NFRC SC-2	3/10/2010	140.00	<0.5	148	151	0.60			<0.5		301.0	269.0	1.3	170.00	<0.01				<0.5	8.0	7.6	21.0	180.00	1	1.30	<1.0		
NFRC SC-2	4/14/2010	140.00	<0.5	143	154	<0.5			<0.5		309.0	270.0	1.7	180.00	<0.01				<0.5	8.1	7.2	20.0	150.00	2	1.40	<1.0		
NFRC SC-2	5/3/2010	53.00	<0.5	55	59	<0.5			<0.5		109.0	99.0	12.2	65.00	<0.005				<0.5	7.6	7.7	<0.5	84.00	1	14.70	4		
NFRC SC-2	6/4/2010	43.00	<0.5	48	48	<0.5			<0.5		89.0	86.0	3.5	52.00	<0.05				<0.5	7.6	7.7	5.7	52.00	6	3.20	4		
NFRC SC-2	7/8/2010	62.00	<0.5	70	64	<0.5			<0.5		135.0	129.0	3.3	76.00	<0.05				<0.5	7.8	8.0	8.7	78.00	9	3.30	2		
NFRC SC-2	8/3/2010	94.00	<0.5	91	95	<0.5			<0.5		196.0	186.0	2.9	110.00	<0.05				<0.5	8.0	7.5	10.0	120.00	14	2.00	<1.0		
NFRC SC-2	10/18/2010	98.00	<0.5	105	107	<0.5			<0.5		219.0	198.0	2.0	120.00	0.04	<0.005	0.14	0.14	<0.5	8.0	7.5	17.0						

Table C-1: Rose Creek Drainage Water Quality
2010 - Surface Water - General Parameters

Station	Date	ALK	ALKPP	CaCO3	CaCO3-d	Chloride	CN(wad)	CNTHIO	CO3	Colour	COND	CONDf	DOC	HCO3	NH3	NO2	NO2/3	NO3	OH	pH	pHF	SO4-d	TDS	TEMP-F	TOC	TSS	TURB
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	TCU	µmho/cm	µmho/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L			mg/L	mg/L	°C	mg/L	mg/L	NTU
NFRC SC-3	1/12/2010	130.00	<0.5	144	145	<0.5			<0.5		288.0	257.0	0.9	160.00	0.02				<0.5	7.8	7.0	23.0	220.00	0	1.00	<1.0	
NFRC SC-3	2/23/2010	140.00	<0.5	150	149	<0.5			<0.5		297.0	260.0	1.7	170.00	0.02				<0.5	8.0	7.7	20.0	160.00	2	1.70	<1.0	
NFRC SC-3	3/10/2010	140.00	<0.5	144	149	<0.5			<0.5		304.0	270.0	1.0	170.00	<0.01				<0.5	8.0	7.7	21.0	170.00	1	2.10	<1.0	
NFRC SC-3	4/14/2010	140.00	<0.5	143	150	<0.5			<0.5		308.0	270.0	1.5	180.00	0.02				<0.5	8.1	7.3	20.0	130.00	2	1.50	<1.0	
NFRC SC-3	5/3/2010	54.00	<0.5	55	57	0.60			<0.5		109.0	96.0	11.8	66.00	<0.005				<0.5	7.6	7.5	<0.5	80.00	1	14.60	3	
NFRC SC-3	6/4/2010	41.00	<0.5	48	48	<0.5			<0.5		89.0	84.0	3.5	50.00	<0.05				<0.5	7.6	7.7	6.1	52.00	6	3.10	4	
NFRC SC-3	7/8/2010	64.00	<0.5	63	65	<0.5			<0.5		136.0	130.0	3.5	78.00	<0.05				<0.5	7.9	8.0	8.6	76.00	10	3.30	2	
NFRC SC-3	8/3/2010	94.00	<0.5	91	92	<0.5			<0.5		195.0	191.0	2.3	110.00	<0.05				<0.5	8.0	7.7	10.0	110.00	13	2.00	<1.0	
NFRC SC-3	10/18/2010	99.00	<0.5	104	108	<0.5			<0.5		218.0	197.0	2.1	120.00	<0.005	<0.005	0.14	0.14	<0.5	8.0	7.6	16.0	130.00	0	1.50	<1.0	
NFRC SC-3 Average		100.22	0	105	107	0.29			0.25		216.0	195.0	3.1	122.67	0.02	0.00	0.14	0.14	0	7.9	7.6	13.9	125.33	4	3.42	1	
NFRC SC-3 Max		140.00	<0.5	150	150	0.60			<0.5		308.0	270.0	11.8	180.00	<0.05	<0.005	0.14	0.14	<0.5	8.1	8.0	23.0	220.00	13	14.60	4	
NFRC SC-3 Min		41.00	<0.5	48	48	<0.5			<0.5		89.0	84.0	0.9	50.00	<0.005	<0.005	0.14	0.14	<0.5	7.6	7.0	<0.5	52.00	0	1.00	<1.0	
NFRC SC-3 N > DL		9	0	9	9	1	0	0	0	0	9	9	9	9	3	0	1	1	0	9	9	8	9	9	9	3	0
NFRC SC-3 Median		99.00	<0.5	104	108	<0.5			<0.5		218.0	197.0	2.1	120.00	0.02	<0.005	0.14	0.14	<0.5	8.0	7.7	16.0	130.00	2	2.00	<1.0	
NFRC SC-4	1/11/2010	130.00	<0.5	147	148	<0.5			<0.5		294.0	255.0	0.9	160.00	<0.01				<0.5	7.8	7.0	25.0	200.00	0	1.20	2	
NFRC SC-4	2/23/2010	140.00	<0.5	162	152	<0.5			<0.5		303.0	260.0	1.1	170.00	<0.01				<0.5	7.9	7.5	23.0	220.00	0	1.00	<1.0	
NFRC SC-4	3/10/2010	140.00	<0.5	159	148	<0.5			<0.5		305.0	271.0	1.9	170.00	0.02				<0.5	8.0	7.8	24.0	200.00	1	1.90	<1.0	
NFRC SC-4	4/14/2010	140.00	<0.5	146	154	<0.5			<0.5		316.0	270.0	1.2	170.00	<0.01				<0.5	8.1	7.5	22.0	140.00	2	1.20	<1.0	
NFRC SC-4	5/3/2010	51.00	<0.5	56	61	<0.5			<0.5		112.0	95.0	11.9	63.00	<0.01				<0.5	7.7	7.5	<0.5	74.00	1	14.40	3	
NFRC SC-4	6/4/2010	42.00	<0.5	48	49	<0.5			<0.5		89.0	86.0	3.6	51.00	<0.05				<0.5	7.6	7.7	6.2	56.00	6	3.30	4	
NFRC SC-4	7/8/2010	63.00	<0.5	66	62	<0.5			<0.5		136.0	128.0	3.7	77.00	<0.05				<0.5	7.8	7.9	8.9	76.00	10	3.20	2	
NFRC SC-4	8/3/2010	94.00	<0.5	93	91	<0.5			<0.5		196.0	203.0	2.6	110.00	<0.05				<0.5	8.1	7.9	11.0	120.00	11	2.20	<1.0	
NFRC SC-4	10/18/2010	100.00	<0.5	104	111	<0.5			<0.5		220.0	195.0	2.0	120.00	0.03	<0.005	0.14	0.14	<0.5	8.1	7.6	16.0	120.00	0	1.40	<1.0	
NFRC SC-4 Average		100.00	0	109	108	0.25			0.25		219.0	195.9	3.2	121.22	0.02	0.00	0.14	0.14	0	7.9	7.6	15.2	134.00	4	3.31	2	
NFRC SC-4 Max		140.00	<0.5	162	154	<0.5			<0.5		316.0	271.0	11.9	170.00	<0.05	<0.005	0.14	0.14	<0.5	8.1	7.9	25.0	220.00	11	14.40	4	
NFRC SC-4 Min		42.00	<0.5	48	49	<0.5			<0.5		89.0	86.0	0.9	51.00	<0.01	<0.005	0.14	0.14	<0.5	7.6	7.0	<0.5	56.00	0	1.00	<1.0	
NFRC SC-4 N > DL		9	0	9	9	0	0	0	0	0	9	9	9	9	2	0	1	1	0	9	9	8	9	9	9	4	0
NFRC SC-4 Median		100.00	<0.5	104	111	<0.5			<0.5		220.0	203.0	2.0	120.00	0.02	<0.005	0.14	0.14	<0.5	7.9	7.6	16.0	120.00	1	1.90	<1.0	
NWID	2/22/2010	170.00	<0.5	213	208	<0.5			<0.5		399.0	340.0	2.0	200.00	<0.01				<0.5	8.1	8.0	48.0	290.00	0	1.00	<1.0	
NWID	3/10/2010	170.00	<0.5	213	215	<0.5			<0.5		405.0	362.0	2.4	200.00	<0.01				<0.5	8.1	7.9	51.0	250.00	1	2.40	<1.0	
NWID	4/15/2010	170.00	2	199	211	<0.5			2.00		411.0	420.0	2.2	200.00	<0.01				<0.5	8.3	7.7	46.0	200.00	4	1.70	<1.0	
NWID	5/3/2010	67.00	<0.5	80	74	<0.5			<0.5		155.0	137.0	8.9	82.00	0.02				<0.5	7.7	7.8	14.0	92.00	0	9.20	3	
NWID	6/4/2010	85.00	<0.5	109	110	<0.5			<0.5		202.0	208.0	4.9	100.00	0.06				<0.5	8.0	8.0	23.0	120.00	4	3.60	<1.0	
NWID	7/10/2010	120.00	<0.5	158	149	<0.5			<0.5		293.0	307.0	2.9	150.00	<0.05				<0.5	8.1	8.2	31.0	140.00	6	3.00	<1.0	
NWID	8/3/2010	140.00	<0.5	161	156	<0.5			<0.5		336.0	340.0	2.3	170.00	<0.05				<0.5	8.2	7.8	37.0	210.00	8	2.00	<1.0	
NWID Average		131.71	0	162	160	0.25			0.50		314.4	302.0	3.7	157.43	0.02				0	8.1	7.9	35.7	186.00	3	3.27	1	
NWID Max		170.00	2	213	215	<0.5			2.00		411.0	420.0	8.9	200.00	0.06				<0.5	8.3	8.2	51.0	290.00	8	9.20	3	
NWID Min		67.00	<0.5	80	74	<0.5			<0.5		155.0	137.0	2.0	82.00	<0.01				<0.5	7.7	7.7	14.0	92.00	0	1.00	<1.0	
NWID N > DL		7	1	7	7	0	0	0	1	0	7	7	7	7	2	0	0	0	0	7	7	7	7	7	7	1	0
NWID Median		140.00	<0.5	161	156	<0.5			<0.5		336.0	340.0	2.4	170.00	0.02				<0.5	8.1	7.9	37.0	200.00	4	2.40	<1.0	
R10	1/11/2010	130.00	<0.5	146	143	<0.5			<0.5		283.0	241.0	1.3	160.00	0.03				<0.5	7.7	7.1	20.0	180.00	0	1.50	<1.0	
R10	2/23/2010	140.00	<0.5	151	148	<0.5			<0.5		292.0	235.0	1.7	170.00	<0.01				<0.5	8.1	7.9	19.0	190.00	<0.0	1.90	<1.0	
R10	3/10/2010	140.00	<0.5	147	154	<0.5			<0.5		292.0	259.0	1.3	170.00	<0.01				<0.5	8.0	7.8	19.0	190.00	1	1.10	<1.0	
R10	4/11/2010	140.00	<0.5	130	151	<0.5			<0.5		298.0	240.0	1.8	170.00	<0.01				<0.5	7.9	7.4	19.0	170.00	1	2.40	<1.0	
R10	5/3/2010	51.00	<0.5	59	59	0.60			<0.5		111.0	95.0	14.7	63.00	0.01				<0.5	7.7	7.7	<0.5	80.00	2	14.50	3	
R10	6/5/2010	48.00	<0.5	52	53	<0.5			<0.5		98.0	103.0	3.3	58.00	<0.05				<0.5	7.7	7.9	6.2	68.00	4	3.10	2	
R10	7/8/2010	61.00	<0.5	62	60	<0.5			<0.5		132.0	125.0	3.4	75.00	<0.05				<0.5	7.8	7.9	8.4	76.00	12	3.30	3	
R10	8/3/2010	93.00	<0.5	90	85	<0.5			<0.5		190.0	188.0	2.2	110.00	<0.05				<0.5	8.1	7.5	9.1	100.00	12	2.30	<1.0	
R10	9/1/2010	87.00	<0.5	89	93	<0.5			<0.5		193.0	187.0	2.4	110.00	0.15	<0.005	0.04	0.04	<0.5	8.0	7.8	11.0	110.00	6	2.20	<1.0	0.60
R10	10/19/2010	96.00	<0.5	109	110	<0.5			<0.5		213.0	207.0	2.5	120.00	0.03	<0.005	0.13	0.13	<0.5	8.0	7.7	15.0	130.00	1	1.50	<1.0	1.10
R10	11/10/2010	110.00	<0.5	129	129	<0.5			<0.5		256.0	234.0	1.7	140.00	0.01	<0.005	0.19	0.19	<0.5	7.9	7.9	19.0	140.00	0	2.70	<1.0	1.00
R10	12/1/2010	120.00	<0.5	126	132																						

Table C-1: Rose Creek Drainage Water Quality
2010 - Surface Water - General Parameters

Station	Date	ALK	ALKPP	CaCO3	CaCO3-d	Chloride	CN(wad)	CNTHIO	CO3	Colour	COND	CONDf	DOC	HCO3	NH3	NO2	NO2/3	NO3	OH	pH	pHF	SO4-d	TDS	TEMP-F	TOC	TSS	TURB
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	TCU	µmho/cm	µmho/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	°C	mg/L	mg/L	NTU
R7	1/11/2010	130.00	<0.5	131	127	<0.5			<0.5		254.0	235.0	0.7	160.00	0.02				<0.5	7.9	7.2	11.0	130.00	0	0.90	<1.0	
R7	2/23/2010	140.00	<0.5	138	138	<0.5			<0.5		266.0	260.0	0.8	170.00	<0.01				<0.5	8.0	8.0	9.7	160.00	1	0.90	<1.0	
R7	3/10/2010	130.00	<0.5	136	140	<0.5			<0.5		268.0	239.0	1.1	160.00	<0.01				<0.5	8.1	7.8	9.7	190.00	1	1.30	<1.0	
R7	4/11/2010	140.00	<0.5	139	137	<0.5			<0.5		275.0	240.0	0.9	170.00	<0.01				<0.5	8.1	7.8	9.9	150.00	0	0.90	<1.0	
R7	5/3/2010	53.00	<0.5	54	56	0.60			<0.5		106.0	91.0	16.0	65.00	0.01				<0.5	7.8	7.7	<0.5	68.00	2	13.40	4	
R7	6/5/2010	52.00	<0.5	54	55	<0.5			<0.5		101.0	97.0	3.3	63.00	<0.05				<0.5	7.7	7.9	4.5	62.00	5	2.90	4	
R7	7/8/2010	64.00	<0.5	58	59	<0.5			<0.5		128.0	122.0	3.5	78.00	<0.05				<0.5	7.9	8.0	6.4	76.00	11	4.00	2	
R7	8/3/2010	91.00	<0.5	86	85	<0.5			<0.5		180.0	183.0	2.4	110.00	<0.05				<0.5	8.1	7.4	6.3	100.00	10	2.20	<1.0	
R7	9/1/2010	85.00	<0.5	88	88	<0.5			<0.5		180.0	186.0	3.0	100.00	0.12	<0.005	<0.02	<0.02	<0.5	8.0	7.8	7.5	100.00	6	2.70	<1.0	0.90
R7	10/19/2010	96.00	<0.5	99	103	<0.5			<0.5		198.0	198.0	2.5	120.00	0.03	<0.005	0.07	0.07	<0.5	8.0	7.2	8.1	120.00	0	1.60	<1.0	1.00
R7	11/10/2010	110.00	<0.5	118	114	<0.5			<0.5		229.0	215.0	1.4	140.00	<0.005	<0.005	0.09	0.09	<0.5	8.0	7.9	10.0	120.00	0	1.50	<1.0	0.66
R7	12/1/2010	120.00	<0.5	122	123	<0.5			<0.5		239.0	100.0	0.9	140.00	<0.05	<0.005	0.09	0.09	<0.5	8.0	7.1	10.0	120.00	0	0.80	<4.0	1.00
R7 Average		100.92	0	102	102	0.28			0.25		202.0	180.5	3.0	123.00	0.02	0.00	0.07	0.07	0	8.0	7.6	7.8	116.33	3	2.76	1	0.83
R7 Max		140.00	<0.5	139	140	0.60			<0.5		275.0	260.0	16.0	170.00	0.12	<0.005	0.09	0.09	<0.5	8.1	8.0	11.0	190.00	11	13.40	<4.0	1.00
R7 Min		52.00	<0.5	54	55	<0.5			<0.5		101.0	91.0	0.7	63.00	<0.005	<0.005	<0.02	<0.02	<0.5	7.7	7.1	<0.5	62.00	0	0.80	<1.0	0.66
R7 N > DL		12	0	12	12	1	0	0	0	0	12	12	12	12	4	0	3	3	0	12	12	11	12	12	12	3	4
R7 Median		103.00	<0.5	108	109	<0.5			<0.5		213.5	192.0	1.9	130.00	0.02	<0.005	0.08	0.08	<0.5	8.0	7.8	8.9	120.00	1	1.55	<1.0	0.95
R8	1/11/2010	130.00	<0.5	128	130	<0.5			<0.5		256.0	221.0	1.6	160.00	0.02				<0.5	7.9	6.9	10.0	170.00	0	1.30	<1.0	
R8	2/23/2010	130.00	<0.5	141	139	<0.5			<0.5		252.0	220.0	1.0	160.00	<0.01				<0.5	8.2	7.9	9.6	160.00	1	1.20	<1.0	
R8	3/10/2010	140.00	<0.5	134	138	<0.5			<0.5		271.0	244.0	1.1	170.00	0.02				<0.5	8.1	7.8	11.0	140.00	1	1.20	<1.0	
R8	4/11/2010	140.00	<0.5	143	144	<0.5			<0.5		274.0	230.0	0.7	170.00	<0.01				<0.5	8.1	7.7	9.2	140.00	1	0.80	<1.0	
R8	5/3/2010	51.00	<0.5	53	54	0.60			<0.5		101.0	87.0	14.6	62.00	0.01				<0.5	7.7	7.5	<0.5	82.00	2	12.10	5	
R8	6/5/2010	44.00	<0.5	48	49	<0.5			<0.5		89.0	89.0	3.3	54.00	<0.05				<0.5	7.7	7.9	5.1	64.00	6	3.30	2	
R8	7/8/2010	63.00	<0.5	57	58	<0.5			<0.5		123.0	121.0	2.9	76.00	<0.05				<0.5	8.0	8.1	5.8	70.00	11	3.20	2	
R8	8/3/2010	88.00	<0.5	84	83	<0.5			<0.5		176.0	177.0	2.3	110.00	<0.05				<0.5	8.1	7.3	6.0	90.00	11	2.30	2	
R8	9/1/2010	83.00	<0.5	84	81	<0.5			<0.5		172.0	172.0	4.5	100.00	0.13	<0.005	<0.02	<0.02	<0.5	8.0	7.7	7.0	92.00	5	2.30	<1.0	0.70
R8	10/19/2010	92.00	<0.5	98	101	<0.5			<0.5		191.0	193.0	2.0	110.00	0.04	<0.005	0.06	0.06	<0.5	8.0	7.8	7.8	100.00	0	1.50	<1.0	1.10
R8	11/10/2010	110.00	<0.5	120	115	0.60			<0.5		229.0	195.0	1.6	140.00	<0.005	<0.005	0.09	0.09	<0.5	8.0	7.8	8.9	130.00	0	1.80	2	1.10
R8	12/1/2010	120.00	<0.5	116	117	<0.5			<0.5		233.0	100.0	<0.5	140.00	<0.05	<0.005	0.10	0.10	<0.5	8.1	7.3	9.8	120.00	0	<0.5	<4.0	0.86
R8 Average		99.25	0	100	101	0.31			0.25		197.3	170.8	3.0	121.00	0.03	0.00	0.07	0.07	0	8.0	7.6	7.5	113.17	3	2.60	2	0.96
R8 Max		140.00	<0.5	143	144	0.60			<0.5		274.0	244.0	14.6	170.00	0.13	<0.005	0.10	0.10	<0.5	8.2	8.1	11.0	170.00	11	12.10	5	1.10
R8 Min		44.00	<0.5	48	49	<0.5			<0.5		89.0	87.0	<0.5	54.00	<0.005	<0.005	<0.02	<0.02	<0.5	7.7	6.9	<0.5	64.00	0	<0.5	<1.0	0.70
R8 N > DL		12	0	12	12	2	0	0	0	0	12	12	11	12	5	0	3	3	0	12	12	11	12	12	11	5	4
R8 Median		101.00	<0.5	107	108	<0.5			<0.5		210.0	185.0	1.8	125.00	0.03	<0.005	0.08	0.08	<0.5	8.0	7.7	8.4	110.00	1	1.65	1	0.98
R9	1/11/2010	130.00	<0.5	147	143	<0.5			<0.5		279.0	272.0	1.2	150.00	0.02				<0.5	7.8	7.1	21.0	190.00	0	1.10	<1.0	
R9	2/23/2010	140.00	<0.5	150	146	<0.5			<0.5		289.0	250.0	1.3	170.00	<0.01				<0.5	8.1	7.7	18.0	160.00	0	1.50	<1.0	
R9	3/10/2010	140.00	<0.5	143	151	<0.5			<0.5		293.0	262.0	1.4	170.00	<0.01				<0.5	8.1	7.9	19.0	150.00	1	1.30	<1.0	
R9	4/11/2010	140.00	<0.5	155	150	<0.5			<0.5		292.0	230.0	1.0	170.00	<0.01				<0.5	8.1	7.8	17.0	160.00	1	1.10	<1.0	
R9	5/3/2010	54.00	<0.5	50	58	0.70			<0.5		108.0	95.0	14.3	65.00	0.10				<0.5	7.7	7.8	<0.5	94.00	1	10.80	3	
R9	6/5/2010	48.00	<0.5	53	54	<0.5			<0.5		97.0	101.0	3.0	59.00	<0.05				<0.5	7.7	8.1	6.0	58.00	5	3.20	2	
R9	7/8/2010	47.00	<0.5	64	58	<0.5			<0.5		<1.0	127.0	3.2	57.00	<0.05				<0.5	7.9	8.0	7.9	78.00	12	3.40	3	
R9	8/3/2010	91.00	<0.5	89	91	<0.5			<0.5		190.0	194.0	2.4	110.00	<0.05				<0.5	8.2	7.5	9.3	100.00	12	2.00	<1.0	
R9	9/1/2010	86.00	<0.5	91	92	<0.5			<0.5		197.0	187.0	1.9	100.00	0.13	<0.005	0.04	0.04	<0.5	7.9	7.8	11.0	110.00	6	1.70	<1.0	0.70
R9	10/19/2010	96.00	<0.5	108	113	<0.5			<0.5		213.0	211.0	1.7	120.00	0.02	<0.005	0.13	0.13	<0.5	8.0	7.6	14.0	110.00	1	1.40	<1.0	1.00
R9	11/10/2010	110.00	<0.5	131	125	0.60			<0.5		254.0	254.0	2.1	140.00	<0.005	<0.005	0.19	0.19	<0.5	8.0	7.9	18.0	130.00	0	2.80	<1.0	0.70
R9	12/1/2010	110.00	<0.5	129	130	<0.5			<0.5		260.0	120.0	<0.5	140.00	<0.05	<0.005	0.19	0.19	<0.5	7.9	7.5	19.0	140.00	0	<0.5	<4.0	1.00
R9 Average		99.33	0	109	109	0.32			0.25		206.0	191.9	2.8	120.92	0.03	0.00	0.14	0.14	0	7.9	7.7	13.4	123.33	3	2.55	1	0.81
R9 Max		140.00	<0.5	155	151	0.70			<0.5		293.0	272.0	14.3	170.00	0.13	<0.005	0.19	0.19	<0.5	8.2	8.1	21.0	190.00	12	10.80	<4.0	1.00
R9 Min		47.00	<0.5	50	54	<0.5			<0.5		<1.0	95.0	<0.5	57.00	<0.005	<0.005	0.04	0.04	<0.5	7.7	7.1	<0.5	58.00	0	<0.5	<1.0	0.70
R9 N > DL		12	0	12	12	2	0	0	0	0	11	12	11	12	4	0	4	4	0	12	12	11	12	12	11	3	4
R9 Median		103.00	<0.5	119	119	<0.5			<0.5		233.5	202.5	1.8	130.00	0.02	<0.005	0.16	0.16	<0.5								

Table C-1: Rose Creek Drainage Water Quality
2010 - Surface Water - General Parameters

Station	Date	ALK	ALKPP	CaCO3	CaCO3-d	Chloride	CN(wad)	CNTHIO	CO3	Colour	COND	CONDf	DOC	HCO3	NH3	NO2	NO2/3	NO3	OH	pH	pHF	SO4-d	TDS	TEMP-F	TOC	TSS	TURB	
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	TCU	µmho/cm	µmho/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	°C	mg/L	mg/L	NTU	
RCSG#4	1/12/2010	140.00	<0.5	159	155	<0.5			<0.5	10.00	313.0	310.0	1.5	160.00	0.03				<0.5	7.9	7.2	28.0	180.00	0	1.40	<1.0	1.80	
RCSG#4	3/10/2010	140.00	<0.5	158	164	4.10			<0.5		320.0	285.0	1.9	170.00	0.02				<0.5	8.0	7.8	31.0	210.00	1	1.50	<1.0		
RCSG#4	4/13/2010	150.00	<0.5	149	151	<0.5			<0.5		331.0	300.0	0.9	180.00	0.05				<0.5	7.8	7.4	28.0	170.00	4	1.10	<1.0		
RCSG#4	5/3/2010	59.00	<0.5	65	69	<0.5			<0.5		130.0	115.0	10.6	72.00	<0.005				<0.5	7.8	7.6	7.9	88.00	1	12.30	7		
RCSG#4	6/4/2010	40.00	<0.5	49	50	<0.5			<0.5		92.0	92.0	2.5	49.00	<0.05				<0.5	7.6	7.8	8.2	66.00	6	2.60	4		
RCSG#4	7/8/2010	58.00	<0.5	63	61	<0.5			<0.5		126.0	126.0	2.9	71.00	<0.05				<0.5	7.8	7.9	11.0	74.00	13	3.80	2		
RCSG#4	8/3/2010	88.00	<0.5	98	94	<0.5			<0.5		200.0	207.0	2.4	110.00	<0.05				<0.5	8.0	7.5	17.0	120.00	13	1.80	<1.0		
RCSG#4 Average		96.43	0	106	106	0.80			0.25	10.00	216.0	205.0	3.2	116.00	0.03				0	7.8	7.6	18.7	129.71	6	3.50	2	1.80	
RCSG#4 Max		150.00	<0.5	159	164	4.10			<0.5	10.00	331.0	310.0	10.6	180.00	<0.05				<0.5	8.0	7.9	31.0	210.00	13	12.30	7	1.80	
RCSG#4 Min		40.00	<0.5	49	50	<0.5			<0.5	10.00	92.0	92.0	0.9	49.00	<0.005				<0.5	7.6	7.2	7.9	66.00	0	1.10	<1.0	1.80	
RCSG#4 N > DL		7	0	7	7	1	0	0	0	1	7	7	7	7	3	0	0	0	0	7	7	7	7	7	7	7	3	1
RCSG#4 Median		88.00	<0.5	98	94	<0.5			<0.5	10.00	200.0	207.0	2.4	110.00	<0.05				<0.5	7.8	7.6	17.0	120.00	4	1.80	<1.0	1.80	
W10	5/3/2010	38.00	<0.5	39	37	<0.5			<0.5		77.0	109.0	12.1	46.00	0.04				<0.5	7.7	7.7	<0.5	50.00	1	11.20	<1.0		
W10	6/5/2010	38.00	<0.5	36	34	<0.5			<0.5		75.0	68.0	5.2	46.00	<0.05				<0.5	7.6	7.8	1.9	60.00	2	5.00	<1.0		
W10	7/10/2010	52.00	<0.5	45	52	<0.5			<0.5		103.0	101.0	4.1	64.00	<0.05				<0.5	7.7	8.1	1.0	40.00	6	4.00	<1.0		
W10 Average		42.67	0	40	41	0.25			0.25		85.0	92.7	7.1	52.00	0.03				0	7.7	7.9	1.1	50.00	3	6.73	1		
W10 Max		52.00	<0.5	45	52	<0.5			<0.5		103.0	109.0	12.1	64.00	<0.05				<0.5	7.7	8.1	1.9	60.00	6	11.20	<1.0		
W10 Min		38.00	<0.5	36	34	<0.5			<0.5		75.0	68.0	4.1	46.00	0.04				<0.5	7.6	7.7	<0.5	40.00	1	4.00	<1.0		
W10 N > DL		3	0	3	3	0	0	0	0	0	3	3	3	3	1	0	0	0	0	3	3	2	3	3	3	0	0	
W10 Median		38.00	<0.5	39	37	<0.5			<0.5		77.0	101.0	5.2	46.00	<0.05				<0.5	7.7	7.8	1.0	50.00	2	5.00	<1.0		
W8	6/17/2010	55.00	<0.5	54	52	<0.5			<0.5		116.0	106.0	3.0	67.00	<0.1				<0.5	7.8	7.7	8.6	68.00	2	3.40	4		
X10	1/11/2010	140.00	<0.5	165	166	<0.5			<0.5		326.0	286.0	1.0	170.00	<0.01				<0.5	8.0	7.1	26.0	220.00	1	0.80	<1.0	0.80	
X10	2/22/2010	150.00	<0.5	167	165	<0.5			<0.5		329.0	280.0	1.3	180.00	<0.01				<0.5	8.0	7.5	30.0	220.00	0	1.30	<1.0	0.50	
X10	3/10/2010	150.00	<0.5	163	161	<0.5			<0.5		334.0	292.0	1.4	180.00	<0.01				<0.5	8.1	7.5	26.0	210.00	1	1.60	<1.0		
X10	4/13/2010	150.00	<0.5	162	157	<0.5			<0.5		340.0	310.0	1.0	180.00	<0.01				<0.5	7.9	7.6	30.0	200.00	1		<1.0		
X10	5/3/2010	59.00	<0.5	66	68	<0.5			<0.5		129.0	112.0	11.7	72.00	<0.01				<0.5	7.8	7.8	9.4	74.00	1	11.20	5		
X10	6/4/2010	45.00	<0.5	54	54	<0.5			<0.5		99.0	111.0	2.8	55.00	<0.05				<0.5	7.8	8.1	9.0	62.00	7	2.50	3		
X10	7/8/2010	62.00	<0.5	69	60	<0.5			<0.5		134.0	128.0	3.0	75.00	<0.05				<0.5	8.0	8.1	12.0	82.00	14	2.90	2		
X10	8/3/2010	95.00	<0.5	95	97	<0.5			<0.5		205.0	205.0	2.4	120.00	<0.05				<0.5	8.2	8.0	17.0	120.00	14	2.30	<1.0		
X10	9/2/2010	88.00	<0.5	100	101	<0.5			<0.5		196.0	194.0	2.7	110.00	0.12	<0.005	<0.02	<0.02	<0.5	8.0	7.4	17.0	120.00	5	3.00	<1.0	0.70	
X10	10/21/2010	110.00	<0.5	123	122	<0.5			<0.5		257.0	244.0	2.0	140.00	0.06	<0.005	0.09	0.09	<0.5	8.2	7.9	24.0	150.00	0	1.70	10	1.70	
X10	11/9/2010	120.00	<0.5	135	134	<0.5			<0.5		274.0	268.0	1.7	140.00	0.04	<0.005	0.16	0.16	<0.5	8.2	7.5	25.0	170.00	0	2.40	<4.0	1.40	
X10	12/1/2010	120.00	<0.5	137	138	<0.5			<0.5		275.0	240.0	2.0	150.00	<0.05	<0.005	0.17	0.17	<0.5	8.0	7.9	27.0	140.00	0	1.90	<4.0	1.05	
X10 Average		107.42	0	120	119	0.25			0.25		241.5	222.5	2.8	131.00	0.03	0.00	0.11	0.11	0	8.0	7.7	21.0	147.33	4	2.87	2	1.02	
X10 Max		150.00	<0.5	167	166	<0.5			<0.5		340.0	310.0	11.7	180.00	0.12	<0.005	0.17	0.17	<0.5	8.2	8.1	30.0	220.00	14	11.20	10	1.70	
X10 Min		45.00	<0.5	54	54	<0.5			<0.5		99.0	111.0	1.0	55.00	<0.01	<0.005	<0.02	<0.02	<0.5	7.8	7.1	9.0	62.00	0	0.80	<1.0	0.50	
X10 N > DL		12	0	12	12	0	0	0	0	0	12	12	12	12	3	0	3	3	0	12	12	12	12	12	11	4	6	
X10 Median		115.00	<0.5	129	128	<0.5			<0.5		265.5	242.0	2.0	140.00	<0.01	<0.005	0.13	0.13	<0.5	8.0	7.7	24.5	145.00	1	2.30	1	0.93	

Table C-1: Rose Creek Drainage Water Quality 2010 - Surface Water - General Parameters

Station	Date	ALK	ALKPP	CaCO3	CaCO3-d	Chloride	CN(wad)	CNTHIO	CO3	Colour	COND	CONDf	DOC	HCO3	NH3	NO2	NO2/3	NO3	OH	pH	pHF	SO4-d	TDS	TEMP-F	TOC	TSS	TURB
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	TCU	µmho/cm	µmho/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	°C	mg/L	mg/L	NTU
X14	1/11/2010	190.00	<0.5	378	379	0.60			<0.5		741.0	624.0	1.4	230.00	0.10				<0.5	8.0	6.8	200.0	540.00	<0.0	1.60	2	2.70
X14	2/22/2010	190.00	<0.5	425	420	0.80			<0.5		765.0	720.0	1.3	230.00	0.10				<0.5	8.0	6.9	220.0	580.00	1	1.50	<1.0	3.20
X14	3/10/2010	190.00	<0.5	458	445	0.90		<0.0005	<0.5	<5.0	837.0	757.0	1.3	230.00	0.10				<0.5	7.9	7.7	240.0	590.00	1	1.20	<1.0	4.30
X14	3/22/2010	200.00	<0.5	442	498	0.70		<0.0005	<0.5	<5.0	894.0	749.0	1.9	240.00	0.14				<0.5	8.2	7.5	260.0	660.00	1	1.50	<1.0	4.20
X14	3/30/2010	200.00	<0.5	588	591	<0.5	<0.0005	<0.0005	<0.5	20.00	1130.0	1030.0	2.2	250.00	0.28				<0.5	8.0	7.4	290.0	840.00	1	2.40	<1.0	3.80
X14	4/6/2010	210.00	<0.5	652	657	0.80			<0.5		1170.0	1100.0	1.3	260.00	0.29				<0.5	8.0	7.4	490.0	880.00	1	1.00	<1.0	
X14	4/13/2010	200.00	<0.5	588	575	0.60			<0.5	<5.0	1160.0	1027.0	1.2	240.00	0.27				<0.5	8.0	7.9	470.0	870.00	1	1.50	<1.0	2.50
X14	4/20/2010	140.00	<0.5	457	458	<0.5			<0.5	<5.0	873.0	1914.0	2.5	170.00	0.26				<0.5	8.0	7.4	360.0	620.00	3	3.10	20	10.00
X14	4/27/2010	86.00	<0.5	175	173	<0.5			<0.5	<5.0	362.0	357.0	5.4	110.00	0.13				<0.5	8.0	7.3	110.0	230.00	2	5.30	5	3.60
X14	5/4/2010	90.00	<0.5	296	265	0.60			<0.5	60.00	563.0	506.0	7.9	110.00	0.09				<0.5	8.0	7.5	230.0	410.00	1	8.90	2	2.50
X14	5/11/2010	91.00	<0.5	237	240	<0.5			<0.5	30.00	501.0	471.0	6.1	110.00	0.09				<0.5	8.0	7.7	180.0	360.00	0	5.30	4	2.50
X14	5/18/2010	73.00	<0.5	178	181	0.70			<0.5		382.0	360.0	7.4	89.00	0.07				<0.5	7.8	8.0	120.0	280.00	6	5.00	4	
X14	5/25/2010	51.00	<0.5	105	104	<0.5			<0.5	30.00	229.0	243.0	5.3	62.00	<0.005				<0.5	7.8	8.0	63.0	180.00	5	5.60	6	2.60
X14	6/1/2010	55.00	<0.5	141	132	<0.5			<0.5		309.0	345.0	2.4	67.00	<0.005				<0.5	7.3	8.1	99.0	230.00	9	2.70	2	
X14	6/8/2010	70.00	<0.5	177	177	<0.5			<0.5		376.0	380.0	3.1	86.00	0.02				<0.5	7.9	7.9	130.0	250.00	7	2.70	<1.0	
X14	6/15/2010	82.00	<0.5	209	211	<0.5			<0.5	15.00	446.0	420.0	3.1	100.00	0.06				<0.5	8.1	7.9	160.0	330.00	7	2.70	<1.0	0.70
X14	6/22/2010	81.00	<0.5	210	195	<0.5			<0.5	10.00	454.0	438.0	2.5	98.00	0.02				<0.5	8.1	7.8	150.0	310.00	10	2.30	<1.0	1.10
X14	6/29/2010	84.00	<0.5	248	258	<0.5			<0.5	<5.0	511.0	501.0	2.3	100.00	0.10				<0.5	8.0	7.4	180.0	370.00	9	1.50	<1.0	0.90
X14	6/29/2010	84.00	<0.5	255	256	<0.5			<0.5	10.00	510.0	501.0	2.5	100.00	0.14				<0.5	7.9	7.4	180.0	350.00	9	2.70	<1.0	0.90
X14	7/6/2010	67.00	<0.5	184	182	<0.5			<0.5		383.0	395.0	3.5	82.00	0.06				<0.5	7.8	8.0	130.0	250.00	10	3.70	<1.0	
X14	7/13/2010	80.00	<0.5	250	245	<0.5			<0.5		500.0	456.0	2.3	97.00	0.06				<0.5	7.8	8.2	170.0	340.00	9	2.40	<1.0	
X14	7/20/2010	96.00	<0.5	279	273	<0.5			<0.5		594.0	563.0	2.0	120.00	0.15				<0.5	8.0	7.8	180.0	410.00	16	2.70	<1.0	
X14	7/27/2010	97.00	<0.5	322	317	<0.5			<0.5	<5.0	637.0	606.0	3.0	120.00	0.16				<0.5	8.0	8.1	250.0	430.00	10	1.90	2	1.30
X14	8/3/2010	100.00	<0.5	152	145	<0.5			<0.5		311.0	338.0	1.8	130.00	<0.05				<0.5	8.1	8.0	56.0	210.00	14	4.30	2	0.80
X14	8/10/2010	100.00	<0.5	329	318	0.70			<0.5	10.00	638.0	658.0	2.2	120.00	0.19				<0.5	7.8	7.9	220.0	440.00	10	2.30	<4.0	1.40
X14	8/17/2010	110.00	<0.5	307	333	<0.5			<0.5		660.0	614.0	2.4	130.00	0.35				<0.5	8.1	7.9	270.0	460.00	12	2.00	<1.0	
X14	8/24/2010	94.00	<0.5	249	247	1.80			<0.5		496.0	423.0	2.5	110.00	0.07				<0.5	8.1	8.7	160.0	320.00	8	2.50	<1.0	
X14	8/31/2010	100.00	<0.5	296	314	<0.5			<0.5		610.0	650.0	3.7	120.00	0.11				<0.5	8.2	8.0	220.0	420.00	11	3.70	<1.0	
X14	9/7/2010	99.00	<0.5	226	229	0.70			<0.5		503.0	532.0	2.7	120.00	0.29	<0.005	0.06	0.06	<0.5	7.9	8.3	170.0	340.00	5	2.60	<1.0	
X14	10/21/2010	130.00	<0.5	228	222	<0.5			<0.5		471.0	426.0	2.3	160.00	0.11	<0.005	0.11	0.11	<0.5	8.1	7.8	110.0	290.00	1	1.70	<1.0	1.80
X14	11/9/2010	140.00	<0.5	232	234	<0.5			<0.5		491.0	500.0	1.1	170.00	0.08	<0.005	0.14	0.14	<0.5	8.2	7.9	120.0	330.00	0	1.90	<4.0	1.90
X14	11/18/2010	170.00	<0.5	598	641	0.80			<0.5		1080.0	1010.0	1.7	210.00	0.20	<0.005	0.15	0.15	<0.5	8.1	7.8	420.0	800.00	2	1.30	6	3.18
X14	11/25/2010	170.00	<0.5	494	546	0.70			<0.5		1020.0	1008.0	1.9	200.00	0.16	<0.005	0.15	0.15	<0.5	7.7	8.2	390.0	780.00	1	2.00	<4.0	2.50
X14	12/2/2010	170.00	<0.5	520	544	0.60			<0.5		984.0	1000.0	1.8	200.00	0.16	<0.005	0.16	0.16	<0.5	8.0	7.7	380.0	690.00	0	1.80	<1.0	2.21
X14 Average		120.29	0	320	324	0.47	0.00	0	0.25	13.50	635.0	635.9	2.8	146.21	0.13	0.00	0.13	0.13	0	8.0	7.8	217.0	452.65	5	2.80	2	2.59
X14 Max		210.00	<0.5	652	657	1.80	<0.0005	<0.0005	<0.5	60.00	1170.0	1914.0	7.9	260.00	0.35	<0.005	0.16	0.16	<0.5	8.2	8.7	490.0	880.00	16	8.90	20	10.00
X14 Min		51.00	<0.5	105	104	<0.5	<0.0005	<0.0005	<0.5	<5.0	229.0	243.0	1.1	62.00	<0.005	<0.005	0.06	0.06	<0.5	7.3	6.8	56.0	180.00	<0.0	1.00	<1.0	0.70
X14 N > DL		34	0	34	34	14	0	0	0	8	34	34	34	34	31	0	6	6	0	34	34	34	34	33	34	11	23
X14 Median		99.50	<0.5	267	262	<0.5	<0.0005	<0.0005	<0.5	10.00	537.0	519.0	2.4	120.00	0.14	<0.005	0.15	0.15	<0.5	8.0	7.8	180.0	390.00	5	2.40	<1.0	2.50
X2	1/11/2010	130.00	<0.5	156	158	<0.5			<0.5		305.0	266.0	1.5	160.00	<0.01				<0.5	7.5	6.9	29.0	190.00	<0.0	1.30	<1.0	
X2	2/22/2010	140.00	<0.5	170	164	<0.5			<0.5		322.0	288.0	0.9	170.00	<0.01				<0.5	7.8	7.3	28.0	240.00	1	1.40	<1.0	
X2	3/10/2010	140.00	<0.5	160	156	<0.5			<0.5		318.0	132.0	1.1	170.00	<0.01				<0.5	7.8	7.3	31.0	190.00	2	1.20	<1.0	
X2	4/14/2010	140.00	<0.5	154	159	<0.5			<0.5		352.0	290.0	2.1	170.00	<0.01				<0.5	8.2	7.0	28.0	150.00	3	1.60	<1.0	
X2	5/3/2010	52.00	<0.5	56	59	0.60			<0.5		113.0	188.0	14.5	63.00	0.02				<0.5	7.7	7.5	4.5	68.00	1	13.30	4	
X2	6/4/2010	38.00	<0.5	48	48	<0.5			<0.5		92.0	94.0	2.8	47.00	<0.05				<0.5	7.6	7.8	6.6	54.00	6	3.20	4	
X2	7/8/2010	65.00	<0.5	65	63	<0.5			<0.5		139.0	131.0	3.1	80.00	0.09				<0.5	7.9	7.8	15.0	80.00	11	3.40	2	
X2	8/3/2010	95.00	<0.5	97	92	<0.5			<0.5		201.0	197.0	2.7	120.00	<0.05				<0.5	8.2	7.7	15.0	110.00	12	3.00	<1.0	
X2	9/2/2010	88.00	<0.5	92	106	<0.5			<0.5		208.0	189.0	2.2	110.00	0.17	<0.005	0.04	0.04	<0.5	8.0	7.4	13.0	120.00	5	2.00	<1.0	0.80
X2	10/18/2010	99.00	<0.5	115	109	<0.5			<0.5		226.0	220.0	1.2	120.00	0.04	<0.005	0.15	0.15	<0.5	8.0	7.6	19.0	130.00	1	2.00	<1.0	1

Table C-1: Rose Creek Drainage Water Quality
2010 - Surface Water - General Parameters

Station	Date	ALK	ALKPP	CaCO3	CaCO3-d	Chloride	CN(wad)	CNTHIO	CO3	Colour	COND	CONDf	DOC	HCO3	NH3	NO2	NO2/3	NO3	OH	pH	pHF	SO4-d	TDS	TEMP-F	TOC	TSS	TURB
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	TCU	µmho/cm	µmho/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	°C	mg/L	mg/L	NTU
X22b	1/11/2010	91.00	<0.5	780	738	4.30			<0.5		1360.0	1146.0	110.00	0.86					<0.5	7.5	6.4	680.0	1200.00	<0.0		<1.0	
X22b	2/22/2010	88.00	<0.5	674	703	1.00			<0.5		1290.0	1210.0	110.00	0.82					<0.5	7.5	7.4	590.0	1100.00	1		<1.0	
X22b	3/10/2010	89.00	<0.5	644	667	1.10			<0.5		1270.0	1171.0	110.00	0.84					<0.5	7.6	7.0	630.0	1000.00	1		<1.0	
X22b	4/13/2010	110.00	<0.5	633	607	0.80			<0.5		1280.0	1230.0	130.00	1.10					<0.5	7.3	6.9	610.0	950.00	1	1.00	<1.0	
X22b	5/3/2010	20.00	<0.5	158	161	<0.5			<0.5		369.0	344.0	25.00	0.33					<0.5	7.4	7.2	150.0	230.00	1		<1.0	
X22b	6/4/2010	80.00	<0.5	699	688	0.90			<0.5		1200.0	1178.0	97.00	0.82					<0.5	7.5	7.1	580.0	1000.00	10		<1.0	
X22b	7/10/2010	77.00	<0.5	648	654	0.70			<0.5		1230.0	1163.0	94.00	0.78					<0.5	7.4	7.3	580.0	920.00	14		<1.0	
X22b	8/3/2010	73.00	<0.5	645	654	1.10			<0.5		1240.0	1215.0	89.00	0.86					<0.5	7.6	6.6	570.0	1000.00	15		<1.0	
X22b	9/1/2010	81.00	<0.5			1.00			<0.5		1270.0	1222.0	99.00	1.40	0.01	0.52	0.51		<0.5	7.6	7.3	690.0	1000.00	13		<1.0	
X22b	10/20/2010	79.00	<0.5	697	709	1.40			<0.5		1310.0	1328.0	97.00	1.20	0.01	0.52	0.51		<0.5	7.7	6.3	710.0	1000.00	3		<1.0	
X22b	11/8/2010	85.00	<0.5	687	677	3.50			<0.5		1340.0	1190.0	100.00	1.10	0.01	0.48	0.47		<0.5	7.7	7.5	710.0	1100.00	1		<4.0	
X22b	12/1/2010	86.00	<0.5	708		1.70			<0.5		1350.0	1340.0	110.00	1.20	0.01	0.48	0.47		<0.5	7.6	6.9	710.0	1000.00	0		<4.0	
X22b Average		79.92	0	634	626	1.48			0.25		1209.1	1144.8	97.58	0.94	0.01	0.50	0.49		0	7.5	7.0	600.8	958.33	5	1.00	1	
X22b Max		110.00	<0.5	780	738	4.30			<0.5		1360.0	1340.0	130.00	1.40	0.01	0.52	0.51		<0.5	7.7	7.5	710.0	1200.00	15	1.00	<4.0	
X22b Min		20.00	<0.5	158	161	<0.5			<0.5		369.0	344.0	25.00	0.33	0.01	0.48	0.47		<0.5	7.3	6.3	150.0	230.00	<0.0	1.00	<1.0	
X22b N > DL		12	0	11	10	11	0	0	0	0	12	12	0	12	12	4	4	4	0	12	12	12	12	11	1	0	0
X22b Median		83.00	<0.5	674	672	1.05			<0.5		1275.0	1200.0	99.50	0.86	0.01	0.50	0.49		<0.5	7.6	7.1	620.0	1000.00	1	1.00	<1.0	
X3	1/11/2010	130.00	<0.5	154	157	<0.5			<0.5		303.0	266.0	1.4	160.00	0.03				<0.5	7.6	6.9	28.0	190.00	<0.0	1.20	<1.0	
X3	2/22/2010	140.00	<0.5	164	163	1.70			<0.5		314.0	292.0	1.4	170.00	<0.01				<0.5	7.9	7.4	28.0	180.00	1	1.20	<1.0	
X3	3/9/2010	140.00	<0.5	162	161	<0.5			<0.5		316.0	260.0	1.3	170.00	<0.01				<0.5	7.9	7.4	30.0	200.00	1	0.90	<1.0	
X3	4/14/2010	150.00	<0.5	152	163	<0.5			<0.5		327.0	290.0	1.7	180.00	0.05				<0.5	8.2	7.0	30.0	170.00	1	1.80	<1.0	
X3	5/3/2010	52.00	<0.5	61	63	<0.5			<0.5		117.0	114.0	11.6	64.00	0.08				<0.5	7.4	7.7	5.4	72.00	1	11.90	8	
X3	6/4/2010	40.00	<0.5	45	45	<0.5			<0.5		84.0	86.0	2.3	48.00	0.77				<0.5	7.7	7.8	6.3	54.00	8	2.60	5	
X3	7/8/2010	54.00	<0.5	56	52	<0.5			<0.5		118.0	111.0	3.1	65.00	<0.05				<0.5	7.9	7.9	11.0	70.00	13	2.90	<1.0	
X3	8/3/2010	87.00	<0.5	111	85	<0.5			<0.5		189.0	183.0	2.0	110.00	<0.05				<0.5	8.2	7.9	14.0	120.00	14	2.50	<1.0	
X3	9/2/2010	83.00	<0.5	89	94	<0.5			<0.5		186.0	205.0	2.7	100.00	0.19	<0.005	0.03	0.03	<0.5	8.0	7.3	13.0	110.00	5	2.30	<1.0	0.70
X3	10/21/2010	98.00	<0.5	112	114	<0.5			<0.5		234.0	225.0	1.9	120.00	0.07	<0.005	0.08	0.08	<0.5	8.1	7.6	20.0	130.00	0	1.70	<1.0	0.80
X3	11/9/2010	110.00	<0.5	131	124	<0.5			<0.5		258.0	256.0	1.8	130.00	0.02	<0.005	0.16	0.16	<0.5	8.1	7.9	24.0	170.00	0	2.00	<4.0	1.00
X3	12/1/2010	110.00	<0.5	127	129	<0.5			<0.5		259.0	230.0	2.0	140.00	<0.05	<0.005	0.17	0.17	<0.5	8.0	7.6	27.0	130.00	1	2.00	<4.0	0.90
X3 Average		99.50	0	114	113	0.37			0.25		225.4	209.8	2.8	121.42	0.11	0.00	0.11	0.11	0	7.9	7.5	19.7	133.00	4	2.75	2	0.80
X3 Max		150.00	<0.5	164	163	1.70			<0.5		327.0	292.0	11.6	180.00	0.77	<0.005	0.17	0.17	<0.5	8.2	7.9	30.0	200.00	14	11.90	8	1.00
X3 Min		40.00	<0.5	45	45	<0.5			<0.5		84.0	86.0	1.3	48.00	<0.01	<0.005	0.03	0.03	<0.5	7.4	6.9	5.4	54.00	<0.0	0.90	<1.0	0.70
X3 N > DL		12	0	12	12	1	0	0	0	0	12	12	12	12	7	0	4	4	0	12	12	12	12	11	12	2	4
X3 Median		104.00	<0.5	120	119	<0.5			<0.5		246.0	227.5	2.0	125.00	<0.05	<0.005	0.12	0.12	<0.5	7.9	7.6	22.0	130.00	1	2.00	<1.0	0.85
X3A	9/2/2010	86.00	<0.5	93	95	<0.5			<0.5		206.0	192.0	2.7	110.00	0.17	<0.005	0.03	0.03	<0.5	8.0	7.5	14.0	110.00	5	2.50	<1.0	
X3A	10/21/2010	110.00	<0.5	117	119	<0.5			<0.5		244.0	268.0	1.9	130.00	0.08	<0.005	0.08	0.08	<0.5	8.1	7.8	20.0	140.00	0	1.90	<1.0	0.70
X3A	11/9/2010	110.00	<0.5	126	131	<0.5			<0.5		264.0	266.0	1.7	140.00	0.03	<0.005	0.15	0.15	<0.5	8.1	8.0	25.0	160.00	0	2.30	<4.0	3.30
X3A	12/1/2010	110.00	<0.5	133	130	<0.5			<0.5		263.0	240.0	2.0	140.00	<0.05	<0.005	0.17	0.17	<0.5	8.0	7.8	26.0	150.00	0	2.40	<4.0	0.94
X3A Average		104.00	0	117	119	0.25			0.25		244.3	241.5	2.1	130.00	0.08	0.00	0.11	0.11	0	8.1	7.8	21.3	140.00	1	2.28	1	1.57
X3A Max		110.00	<0.5	133	131	<0.5			<0.5		264.0	268.0	2.7	140.00	0.17	<0.005	0.17	0.17	<0.5	8.1	8.0	26.0	160.00	5	2.50	<4.0	3.30
X3A Min		86.00	<0.5	93	95	<0.5			<0.5		206.0	192.0	1.7	110.00	0.03	<0.005	0.03	0.03	<0.5	8.0	7.5	14.0	110.00	0	1.90	<1.0	0.70
X3A N > DL		4	0	4	4	0	0	0	0	0	4	4	4	4	3	0	4	4	0	4	4	4	4	4	4	0	3
X3A Median		110.00	<0.5	122	125	<0.5			<0.5		253.5	253.0	2.0	135.00	0.05	<0.005	0.12	0.12	<0.5	8.1	7.8	22.5	145.00	0	2.35	1	0.94

Table C-1: Rose Creek Drainage Water Quality
2010 - Surface Water - General Parameters

Station	Date	ALK	ALKPP	CaCO3	CaCO3-d	Chloride	CN(wad)	CNTHIO	CO3	Colour	COND	CONDf	DOC	HCO3	NH3	NO2	NO2/3	NO3	OH	pH	pHF	SO4-d	TDS	TEMP-F	TOC	TSS	TURB
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	TCU	µmho/cm	µmho/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	°C	mg/L	mg/L	NTU
X4	1/11/2010	<0.5	<0.5	1110	1090	1.50			<0.5		2210.0	1791.0		<0.5	0.21				<0.5	3.4	3.0	1200.0	2000.00	<0.0			3
X4	2/22/2010	<0.5	<0.5	1020	884	2.30			<0.5		1970.0	1820.0		<0.5	0.36				<0.5	4.0	4.8	1200.0	1800.00	<0.0			13
X4	3/9/2010	35.00	<0.5	626	661	0.80			<0.5		1390.0	1350.0		43.00	0.15				<0.5	6.5	6.4	730.0	1200.00	1			37
X4	4/13/2010	32.00	<0.5	614	553	3.90			<0.5		1340.0	1350.0		38.00	0.20				<0.5	6.1	6.4	690.0	1000.00	1			17
X4	5/3/2010	<0.5	<0.5	419	438	<0.5			<0.5		1010.0	877.0		<0.5	0.03				<0.5	4.7	4.5	550.0	790.00	3			4
X4	6/4/2010	<0.5	<0.5	915	920	0.70			<0.5		1940.0	1868.0		<0.5	0.22				<0.5	3.2	3.1	1000.0	1800.00	12			4
X4	7/10/2010	<0.5	<0.5	839	957	0.80			<0.5		1930.0	1871.0		<0.5	0.33				<0.5	3.3	3.1	1100.0	1700.00	17			14
X4	8/3/2010	<0.5	<0.5	902	812	1.20			<0.5		1950.0	2020.0		<0.5	0.43				<0.5	3.4	4.6	1100.0	1700.00	19			3
X4	9/2/2010	<0.5	<0.5			<0.5			<0.5		1880.0	1752.0		<0.5	0.59	<0.005	0.06	0.06	<0.5	3.5	4.7	1100.0	1800.00	9			3
X4	10/20/2010	1.80	<0.5	695	773	1.40			<0.5		1590.0	1511.0		2.20	0.26	<0.005	0.04	0.04	<0.5	5.6	6.7	1000.0	1400.00	0			33
X4	11/8/2010	<0.5	<0.5	860	867	2.20			<0.5		1860.0	1632.0		<0.5	0.24	<0.005	0.06	0.06	<0.5	3.7	4.5	1100.0	1600.00	0			5
X4	12/1/2010	13.00	<0.5	641		<0.5			<0.5		1310.0	1429.0		16.00	0.29	0.01	0.08	0.07	<0.5	6.3	6.4	800.0	1100.00	0			19
X4 Average		6.98	0	786	796	1.30			0.25		1698.3	1605.9		8.43	0.28	0.00	0.06	0.06	0	4.5	4.8	964.2	1490.83	5			13
X4 Max		35.00	<0.5	1110	1090	3.90			<0.5		2210.0	2020.0		43.00	0.59	0.01	0.08	0.07	<0.5	6.5	6.7	1200.0	2000.00	19			37
X4 Min		<0.5	<0.5	419	438	<0.5			<0.5		1010.0	877.0		<0.5	0.03	<0.005	0.04	0.04	<0.5	3.2	3.0	550.0	790.00	<0.0			3
X4 N > DL		4	0	11	10	9	0	0	0	0	12	12	0	4	12	1	4	4	0	12	12	12	12	10	0	12	0
X4 Median		<0.5	<0.5	839	840	1.00			<0.5		1870.0	1692.0		<0.5	0.25	<0.005	0.06	0.06	<0.5	3.9	4.6	1050.0	1650.00	1			9
X5	3/22/2010	240.00	<0.5	1160	1290	1.80		<0.0005	<0.5	<5.0	1810.0	1580.0		300.00	0.73				<0.5	8.1	7.1	850.0	1500.00	1	<1.0		2.80
X5	3/30/2010	230.00	<0.5	1030	1050	1.10	<0.0005	0.0023	<0.5	10.00	1800.0	1700.0		290.00	0.75				<0.5	7.9	7.0	900.0	1600.00	2	<1.0		2.30
X5	4/6/2010	240.00	<0.5	1120	1090	1.50		<0.0005	<0.5	<5.0	1880.0	1720.0		300.00	0.73				<0.5	7.8	7.0	870.0	1600.00	1	<1.0		1.20
X5	4/13/2010	200.00	<0.5	1020	1020	1.20		0.0024	<0.5	<5.0	1840.0	1561.0		240.00	0.74				<0.5	7.6	7.4	950.0	1600.00	2		2	2.80
X5	4/20/2010	160.00	<0.5	1030	1120	0.90		0.0055	<0.5	<5.0	1820.0	1947.0		200.00	0.47				<0.5	7.7	6.9	1000.0	1600.00	4	<1.0		1.70
X5	4/27/2010	120.00	<0.5	845	809	0.90		0.0133	<0.5	<5.0	1450.0	1399.0		150.00	0.59				<0.5	7.9	7.2	800.0	1200.00	3		3	2.00
X5	5/4/2010	130.00	<0.5	953	885	1.10		0.0243	<0.5	<5.0	1620.0	1433.0		160.00	0.46				<0.5	7.9	7.1	960.0	1400.00	4	<1.0		0.70
X5	5/11/2010	110.00	<0.5	906	878	1.10		0.0192	<0.5	<5.0	1490.0	1390.0		130.00	0.43				<0.5	7.9	7.5	830.0	1300.00	5	<1.0		0.50
X5	5/18/2010	89.00	<0.5	803	772	1.00		0.0262	<0.5	<5.0	1350.0	1310.0		110.00	0.77				<0.5	8.0	7.4	720.0	1100.00	8	<1.0		0.70
X5	5/25/2010	110.00	<0.5	860	812	<0.5		0.0202	<0.5	<5.0	1430.0	1441.0		130.00	0.56				<0.5	7.9	7.5	720.0	1300.00	9	<1.0		0.80
X5	6/1/2010	140.00	<0.5	1020	937	1.20		0.0247	<0.5	<5.0	1670.0	1740.0		170.00	0.59				<0.5	8.1	7.5	880.0	1500.00	13	<1.0		0.60
X5	6/8/2010	130.00	<0.5	1010	1080	1.20		0.0337	<0.5	<5.0	1740.0	1664.0		160.00	0.67				<0.5	7.9	7.5	880.0	1600.00	12	<1.0		0.90
X5	6/15/2010	140.00	<0.5	1110	1050	1.40		0.0292	<0.5	<5.0	1760.0	1670.0		170.00	0.82				<0.5	8.2	7.5	1000.0	1200.00	11	<1.0		1.30
X5	6/15/2010										1670.0											7.5					11
X5	6/22/2010	120.00	<0.5	1120	933	1.10		0.0243	<0.5	<5.0	1710.0	1605.0		150.00	0.08				<0.5	8.2	7.6	950.0	1500.00	14	<1.0		1.10
X5	6/29/2010	120.00	<0.5	1010	1040	1.00		0.0479	<0.5	<5.0	1770.0	1725.0		140.00	0.72				<0.5	7.8	6.8	970.0	1600.00	15	<1.0		2.50
X5	7/6/2010	33.00	<0.5	1170	1130	<0.5		0.0227	<0.5	<5.0	2280.0	1705.0		40.00	0.81				<0.5	7.9	7.6	1300.0	1600.00	14		3	2.30
X5	7/13/2010	110.00	<0.5	1080	1160	1.30		0.0220	<0.5	<5.0	1810.0	1567.0		140.00	0.80				<0.5	8.0	7.9	1000.0	1600.00	15	<1.0		1.30
X5	7/20/2010	120.00	<0.5	1050	1020	1.70		0.0317	<0.5	<5.0	1830.0	1674.0		150.00	0.79				<0.5	7.9	7.7	980.0	1600.00	16		2	1.70
X5	7/27/2010	110.00	<0.5	1060	1030	1.10		0.0254	<0.5	<5.0	1780.0	1589.0		130.00	0.75				<0.5	7.9	7.8	960.0	1600.00	15		2	2.50
X5	8/10/2010	95.00	<0.5	1100	1050	2.40		0.0316	<0.5	<5.0	1780.0	1806.0		120.00	0.80				<0.5	7.8	8.0	990.0	1500.00	15	<4.0		3.20
X5	8/17/2010	83.00	<0.5	829	1010	1.40		0.0268	<0.5	<5.0	1750.0	1594.0		100.00	0.77				<0.5	8.0	7.7	970.0	1500.00	17		2	3.20
X5	8/24/2010	88.00	<0.5	1010	1150	2.20		0.0496	<0.5	<5.0	1740.0	1266.0		110.00	0.80				<0.5	8.0	8.0	1100.0	1500.00	12	<1.0		3.80
X5	8/31/2010	87.00	<0.5	1020	1020	1.30		0.0387	<0.5	<5.0	1770.0	1860.0		110.00	1.00				<0.5	7.8	7.6	1100.0	1500.00	13		2	4.80
X5	9/7/2010	100.00	<0.5			1.90		0.0814	<0.5	<5.0	1840.0	1708.0		120.00	0.94	0.01	0.30	0.29	<0.5	7.8	7.7	1100.0	1600.00	8		2	5.60
X5	9/7/2010										1703.0											7.5					11
X5	11/18/2010	240.00	<0.5			2.10		0.0117	<0.5	<5.0	2360.0	2219.0		300.00	0.85	0.01	0.17	0.17	<0.5	7.9	7.3	1300.0	2100.00	2	<4.0		6.78
X5	11/25/2010	260.00	<0.5	1430	1610	2.80		0.0064	<0.5	<5.0	2500.0	2414.0		320.00	0.96	<0.005	0.14	0.14	<0.5	7.4	7.6	1400.0	2300.00	3	<4.0		4.80
X5	12/2/2010										2590.0											6.9					3
X5	12/2/2010	270.00	<0.5	1560	1590	2.30		0.0050	<0.5	<5.0	2470.0	2590.0		330.00	0.97	<0.005	0.13	0.13	<0.5	7.7	6.9	1400.0	2300.00	3		2	5.00
X5 Average		143.52	0	1052	1061	1.39	0.00	0.0232	0.25	2.78	1816.7	1728.0		176.67	0.72	0.01	0.19	0.18	0	7.9	7.4	995.6	1566.67	9		1	2.67
X5 Max		270.00	<0.5	1560	1610	2.80	<0.0005	0.0814	<0.5	10.00	2500.0	2590.0		330.00	1.00	0.01	0.30	0.29	<0.5	8.2	8.0	1400.0	2300.00	17	<4.0		6.78
X5 Min		33.00	<0.5	803	772	<0.5	<0.0005	<0.0005	<0.5	<5.0	1350.0	1266.0		40.00	0.08	<0.005	0.13	0.13	<0.5	7.4	6.8	720.0	1100.00	1	<1.0		0.50
X5 N > DL		27	0	25	25	25	0	25	0	1	27	30	0	27	27	2	4	4	0	27	30	27	27	30			

Table C-1: Rose Creek Drainage Water Quality
2010 - Surface Water - General Parameters

Station	Date	ALK	ALKPP	CaCO3	CaCO3-d	Chloride	CN(wad)	CNTHIO	CO3	Colour	COND	CONDf	DOC	HCO3	NH3	NO2	NO2/3	NO3	OH	pH	pHF	SO4-d	TDS	TEMP-F	TOC	TSS	TURB		
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	TCU	µmho/cm	µmho/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	°C	mg/L	mg/L	NTU		
X5P	1/11/2010	180.00	<0.5	1190	1170	1.70					1860.0	1559.0	220.00	0.80					<0.5	7.6	6.6	1000.0	1600.00	<0.0		<1.0			
X5P	2/22/2010	250.00	<0.5	1080	1140	3.10					1740.0	1569.0	300.00	0.71					<0.5	7.7	7.2	810.0	1600.00	2		2			
X5P	3/2/2010	250.00	<0.5	1090	1100	1.70					1750.0	1420.0	310.00	0.70					<0.5	7.7	7.0	820.0	1500.00	0		2			
X5P	4/13/2010	150.00	<0.5	1020	973	1.30					1780.0	1488.0	180.00	0.69					<0.5	7.5	7.8	940.0	1500.00	1		2			
X5P	5/3/2010	53.00	<0.5	468	490	<0.5					877.0	744.0	64.00	0.24					<0.5	7.8	7.8	420.0	650.00	1		3			
X5P	6/4/2010	150.00	<0.5	1190	1170	1.00					1740.0	1682.0	180.00	0.58					<0.5	7.7	7.1	920.0	1600.00	12		<1.0			
X5P	7/10/2010	110.00	<0.5	1090	1010	1.10					1780.0	1680.0	130.00	0.69					<0.5	7.8	7.6	990.0	1500.00	16		4			
X5P	8/3/2010	110.00	<0.5	1060	990	1.30					1800.0	1665.0	130.00	0.86					<0.5	8.0	7.2	950.0	1600.00	19		2			
X5P	9/2/2010	93.00	<0.5			0.80					1760.0	1687.0	110.00	0.92	0.01	0.31	0.31		<0.5	7.8	7.5	1000.0	1500.00	5		2	5.10		
X5P	10/20/2010	190.00	<0.5	1130	1180	2.00					2070.0	1955.0	240.00	0.80	<0.005	0.22	0.22		<0.5	8.1	7.4	1200.0	1900.00	1		2			
X5P	11/8/2010	210.00	<0.5	1360	1290	5.00					2150.0	1918.0	250.00	0.77	<0.005	0.24	0.24		<0.5	7.9	7.8	1200.0	1900.00	0		<4.0			
X5P	12/1/2010	250.00	<0.5	1340		1.70					2130.0	2204.0	300.00	0.90	0.01	0.21	0.21		<0.5	8.0	7.5	1200.0	1900.00	0		<4.0			
X5P Average		166.33	0	1093	1051	1.75					1786.4	1630.9	201.17	0.72	0.00	0.25	0.25		0	7.8	7.4	954.2	1562.50	5		2	5.10		
X5P Max		250.00	<0.5	1360	1290	5.00					2150.0	2204.0	310.00	0.92	0.01	0.31	0.31		<0.5	8.1	7.8	1200.0	1900.00	19		<4.0	5.10		
X5P Min		53.00	<0.5	468	490	<0.5					877.0	744.0	64.00	0.24	<0.005	0.21	0.21		<0.5	7.5	6.6	420.0	650.00	<0.0		<1.0	5.10		
X5P N > DL		12	0	11	10	11	0	0	0	0	12	12	0	12	12	2	4	4	0	12	12	12	12	11	0	8	1		
X5P Median		165.00	<0.5	1090	1120	1.50					1780.0	1672.5	200.00	0.74	0.00	0.23	0.23		<0.5	7.8	7.4	970.0	1600.00	1		2	5.10		
X7	6/1/2010	38.00	<0.5	4770	4570	12.00					8550.0	>3999.0	46.00	1.20					<0.5	5.4	5.6	9000.0	13000.00	3		89			
X7	10/6/2010	7.40	<0.5	4680	4480	9.20					8490.0	>3999.0	9.10	4.20	<0.005	<0.02	<0.02		<0.5	5.2	5.4	9300.0	11000.00	4		100			
X7 Average		22.70	0	4725	4525	10.60					8520.0	>3999.0	27.55	2.70	0.00	0.01	0.01		0	5.3	5.5	9150.0	12000.00	4		95			
X7 N > DL		2	0	2	2	2	0	0	0	0	2	0	0	2	2	0	0	0	0	2	2	2	2	2	0	2	0		

Table C-2: Rose Creek Drainage Water Quality
2010 - Surface Water - Dissolved Metals

Station	Date	Ag-d	Al-d	As-d	Ba-d	B-d	Be-d	Bi-d	Ca-d	Cd-d	Co-d	Cr-d	Cu-d	Fe-d	Hg-d	K-d	Li-d	Mg-d	Mn-d	Mo-d	Na-d	Ni-d	Pb-d	Sb-d	S-d	Se-d	Si-d	Sn-d	Sr-d	Ti-d	Tl-d	U-d	V-d	Zn-d	Zr-d	
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
ETA Combined	9/2/2010	0.2530	240.00	12.40	15.000	<50.0	0.36	<0.005	478.00	67.50	1130.0000	<0.1	74.3000	577000.00	16.10	0.154	793.00	92200.000	0.61	71.30	1050.000	3.3600	0.22	2020	0.0500	12200.00	0.17	3690.00	9.60	1.71	4.5500	<0.2	467000.000	0.20		
ETA Combined	10/20/2010	<0.5	910.00	21.00	15.000	<5000.0	<1.0	<0.5	429.00	34.60	1060.0000	<10.0	41.0000	1090000.00	14.00	0.138	745.00	89400.000	<5.0	66.00	966.000	4.2000	<2.0	2310	<4.0	15600.00	<1.0	3840.00	<50.0	0.30	5.1000	<20.0	477000.000	<10.0		
ETA Combined	11/8/2010	<0.5	979.00	27.00	21.000	<5000.0	<1.0	<0.5	416.00	9.50	1020.0000	<10.0	7.0000	1230000.00	13.00	0.124	695.00	90900.000	<5.0	70.00	946.000	12.1000	<2.0	2490	<4.0	15800.00	<1.0	3710.00	<50.0	0.40	4.9000	<20.0	473000.000	<10.0		
ETA Combined	12/1/2010	0.2000	817.00	22.90	13.300	<1000.0	0.80	<0.1	425.00	8.00	1010.0000	<2.0	2.0000	1190000.00	13.00	0.130	709.00	88700.000	<1.0	71.00	850.000	3.2000	<0.4	2430	<0.8	15700.00	<0.2	3770.00	<10.0	0.27	4.5300	<4.0	441000.000	<2.0		
ETA Combined Average		0.2383	736.50	20.83	16.075	1381.25	0.54	0.14	437.00	29.90	1055.0000	2.76	31.0750	1021750.00	14.03	0.137	735.50	90300.000	1.53	69.58	953.000	5.7150	0.61	2313	1.1125	14825.00	0.32	3752.50	16.15	0.67	4.7700	5.53	464500.000	2.80		
ETA Combined Max		<0.5	979.00	27.00	21.000	<5,000.0	<1.0	<0.5	478.00	67.50	1130.0000	<10.0	74.3000	1230000.00	16.10	0.154	793.00	92200.000	<5.0	71.30	1050.000	12.1000	<2.0	2490	<4.0	15800.00	<1.0	3840.00	<50.0	1.71	5.1000	<20.0	477000.000	<10.0		
ETA Combined Min		0.2000	240.00	12.40	13.300	<50.0	0.36	<0.005	416.00	8.00	1010.0000	<0.1	2.0000	577000.00	13.00	0.124	695.00	88700.000	0.61	66.00	850.000	3.2000	0.22	2020	0.0500	12200.00	0.17	3690.00	9.60	0.27	4.5300	<0.2	441000.000	0.20		
ETA Combined N > DL		2	4	4	4	0	2	0	4	4	4	0	4	4	0	4	4	4	4	1	4	4	4	1	4	1	4	1	4	1	4	4	0	4	1	
ETA Combined Median		0.3133	863.50	21.95	15.000	1500.00	0.70	0.15	427.00	22.05	1040.0000	3.00	24.0000	1140000.00	13.50	0.134	727.00	90150.000	1.50	70.50	956.000	3.7800	0.60	2370	1.2000	15650.00	0.30	3740.00	15.00	0.35	4.7250	6.00	470000.000	3.00		
FAROCR	5/3/2010	0.0070	125.00	0.60	25.800	<50.0	0.06	<0.005	7.27	0.10	0.2170	<0.1	6.0800	199.00	0.67	0.003	1.60	7.910	0.29	1.47	3.350	10.4000	0.14	<10.0	0.1200	4040.00	<0.01	37.30	1.20	0.01	0.5300	<0.2	25.400	0.30		
FAROCR	6/5/2010	<0.005	84.00	0.24	14.600	<50.0	0.03	0.01	3.84	0.03	0.0420	0.20	1.6100	43.00	0.26	0.001	0.95	1.370	0.13	1.54	1.770	3.2700	0.05	<10.0	0.1000	6440.00	0.03	20.70	<0.5	0.01	0.2590	<0.2	9.400	0.20		
FAROCR	7/8/2010	<0.005	35.50	0.31	21.400	<50.0	0.02	0.01	5.93	0.03	0.0290	<0.1	1.3200	28.00	0.28	0.003	1.28	0.990	0.24	1.68	0.750	3.3600	0.07	<10.0	0.1800	6890.00	<0.01	34.10	<0.5	0.01	0.2700	<0.2	8.300	<0.1		
FAROCR	8/3/2010	<0.005	15.60	0.46	30.800	<50.0	<0.01	<0.005	9.32	0.03	0.0180	<0.1	1.1300	9.00	0.43	0.003	2.41	0.370	0.70	2.10	1.050	0.8310	0.11	<10.0	0.4300	5590.00	<0.01	51.40	<0.5	0.01	0.5100	<0.2	5.400	<0.1		
FAROCR	9/1/2010	<0.005	11.10	0.41	26.400	<50.0	<0.01	<0.005	9.18	0.03	0.0250	<0.1	1.0900	8.00	0.54	0.003	2.32	1.590	0.67	2.21	0.880	0.8510	0.16	<10.0	0.3600	6200.00	<0.01	50.80	<0.5	0.01	0.5890	<0.2	8.000	<0.1		
FAROCR	10/19/2010	0.0540	11.70	0.39	24.400	<50.0	<0.01	<0.005	9.76	0.05	0.0540	<0.1	1.2800	22.00	1.90	0.003	2.54	2.110	0.64	3.66	1.260	1.6600	0.07	<10.0	0.4300	7250.00	0.09	49.10	<0.5	0.01	0.5630	<0.2	23.700	<0.1		
FAROCR Average		0.0118	47.15	0.40	23.900	25.00	0.02	0.00	7.55	0.05	0.0642	0.08	2.0850	51.50	0.68	0.003	1.85	2.390	0.45	2.11	1.510	3.3953	0.10	5	0.2700	6068.33	0.02	40.57	0.41	0.01	0.4535	0.10	13.367	0.12		
FAROCR Max		0.0540	125.00	0.60	30.800	<50.0	0.06	0.01	9.76	0.10	0.2170	0.20	6.0800	199.00	1.90	0.003	2.54	7.910	0.70	3.66	3.350	10.4000	0.16	<10.0	0.4300	7250.00	0.09	51.40	1.20	0.01	0.5890	<0.2	25.400	0.30		
FAROCR Min		<0.005	11.10	0.24	14.600	<50.0	<0.01	<0.005	3.84	0.03	0.0180	<0.1	1.0900	8.00	0.26	0.001	0.95	0.370	0.13	1.47	0.750	0.8310	0.05	<10.0	0.1000	4040.00	<0.01	20.70	<0.5	0.01	0.2590	<0.2	5.400	<0.1		
FAROCR N > DL		2	6	6	6	0	3	2	6	6	6	1	6	6	0	6	6	6	6	6	6	6	6	0	6	6	6	2	6	1	6	6	0	6	2	
FAROCR Median		0.0000	25.55	0.40	25.100	<50.0	0.02	0.00	8.23	0.03	0.0355	<0.1	1.3000	25.00	0.49	0.003	1.96	1.480	0.47	1.89	1.155	2.4650	0.09	<10.0	0.2700	6320.00	0.00	43.20	<0.5	0.01	0.5200	<0.2	8.850	0.00		
FCO	6/16/2010	<0.005	58.90	0.13	36.700	<50.0	0.05	<0.005	11.90	1.73	2.0000	<0.1	25.2000	41.00	0.53	0.005	3.79	37.500	<0.05	2.51	6.450	0.9550	0.06	12	<0.04	6560.00	<0.01	63.10	<0.5	0.01	0.1170	<0.2	1080.000	<0.1		
FCO	10/7/2010	<0.005	81.70	0.07	34.500	<50.0	0.05	<0.005	12.30	1.78	2.5700	<0.1	28.5000	30.00	0.45	0.005	3.98	43.200	0.10	2.95	7.210	0.1490	0.04	13	<0.04	7550.00	<0.01	64.50	<0.5	0.00	0.1350	<0.2	1290.000	<0.1		
FCO Average		0.0025	70.30	0.10	35.600	25.00	0.05	0.00	12.10	1.76	2.2850	0.05	26.8500	35.50	0.49	0.005	3.89	40.350	0.06	2.73	6.830	0.5520	0.05	13	0.0200	7055.00	0.01	63.80	0.25	0.01	0.1260	0.10	1185.000	0.05		
FCO N > DL		0	2	2	2	0	2	0	2	2	2	0	2	2	0	2	2	2	2	1	2	2	2	2	2	0	2	2	0	2	0	2	0	2	0	
FCS-4	9/2/2010	0.0720	27.10	1.63	10.300	<50.0	0.04	<0.005	490.00	13.90	446.0000	<0.1	12.1000	266000.00	13.20	0.112	755.00	69000.000	<0.05	69.70	453.000	2.0900	0.22	1670	<0.4	9060.00	0.06	3550.00	10.90	0.80	6.2000	<0.2	152000.000	<0.1		
FCS-4	10/20/2010	<0.5	32.00	6.00	14.000	<5000.0	<1.0	<0.5	437.00	22.40	903.0000	<10.0	10.0000	883000.00	13.00	0.127	760.00	86600.000	<5.0	65.00	810.000	0.9000	<2.0	1990	<4.0	12900.00	<1.0	3910.00	<50.0	0.40	6.1000	<20.0	399000.000	<10.0		
FCS-4	11/10/2010	<0.5	<20.0	7.00	13.000	<5000.0	<1.0	<0.5	458.00	9.70	784.0000	<10.0	<5.0	956000.00	11.00	0.118	749.00	82800.000	12.00	72.00	761.000	<0.5	<2.0	2150	<4.0	14800.00	<1.0	3640.00	<50.0	0.30	7.1000	<20.0	363000.000	<10.0		
FCS-4	12/2/2010	<0.1	10.00	6.40	11.500	<1000.0	<0.2	<0.1	455.00	9.10	821.0000	<2.0	3.0000	939000.00	13.00	0.121	729.00	84400.000	<1.0	71.00	737.000	<0.1	<0.4	2240	<0.8	13200.00	<0.2	3710.00	<10.0	0.27	6.2800	<4.0	359000.000	<2.0		
FCS-4 Average		0.1555	19.78	5.26	12.200	1381.25	0.29	0.14	460.00	13.78	738.5000	2.76	6.9000	761000.00	12.55	0.120	748.25	80700.000	3.76	69.43	690.250	0.8225	0.61	2013	1.1050	12490.00	0.29	3702.50	16.48	0.44	6.4200	5.53	318250.000	2.76		
FCS-4 Max		<0.5	32.00	7.00	14.000	<5,000.0	<1.0	<0.5	490.00	22.40	903.0000	<10.0	12.1000	956000.00	13.20	0.127	760.00	86600.000	12.00	72.00	810.000	2.0900	<2.0	2240	<4.0	14800.00	<1.0	3910.00	<50.0	0.80	7.1000	<20.0	399000.000	<10.0		
FCS-4 Min		0.0720	10.00	1.63	10.300	<50.0	0.04	<0.005	437.00	9.10	446.0000	<0.1	3.0000	266000.00	11.00	0.112	729.00	69000.000	<0.05	65.00	453.000	<0.1	0.22	1670	<0.4	9060.00	0.06	3550.00	<10.0	0.27	6.1000	<0.2	152000.000	<0.1		
FCS-4 N > DL		1	3	4	4	0	1	0	4	4	4	0	3	4	0	4	4	4	4	1	4	4	4	4	0	4	4	1	4	1	4	4	0	4	0	
FCS-4 Median		1.5000	18.55	6.20	12.250	1500.00	0.30	0.15	456.50	11.80	802.5000	3.00	6.2500	911000.00	13.00	0.120	752.00	83600.000	1.50	70.35	749.000															

Table C-2: Rose Creek Drainage Water Quality
2010 - Surface Water - Dissolved Metals

Station	Date	Ag-d	Al-d	As-d	Ba-d	B-d	Be-d	Bi-d	Ca-d	Cd-d	Co-d	Cr-d	Cu-d	Fe-d	Hg-d	K-d	Li-d	Mg-d	Mn-d	Mo-d	Na-d	Ni-d	Pb-d	Sb-d	S-d	Se-d	Si-d	Sn-d	Sr-d	Ti-d	Tl-d	U-d	V-d	Zn-d	Zr-d
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NF2	2/23/2010	<0.005	2.20	0.34	73.700	<50.0	<0.01	<0.005	46.10	0.01	0.0950	<0.1	0.2700	31.00	1.10	0.009	9.70	14.600	0.91	3.39	0.380	0.0620	0.06	8	0.4400	6010.00	<0.01	193.00	<0.5	<0.002	2.7900	<0.2	11.800	<0.1	
NF2	3/10/2010	<0.005	2.00	0.34	71.000	<50.0	<0.01	<0.005	44.40	0.01	0.1130	<0.1	0.2500	27.00	1.08	0.009	9.23	16.700	0.94	3.36	0.420	0.0940	0.05	<10.0	0.4300	6200.00	<0.01	192.00	<0.5	<0.002	2.9900	<0.2	13.100	<0.1	
NF2	4/14/2010	<0.005	1.80	0.34	73.900	<50.0	<0.01	<0.005	45.90	0.02	0.1590	<0.1	0.1700	26.00	1.10	0.009	9.34	20.200	0.94	3.53	0.520	0.0940	0.06	<10.0	0.4300	6180.00	0.02	197.00	<0.5	<0.002	3.0400	<0.2	17.200	<0.1	
NF2	5/3/2010	0.0070	57.20	0.68	35.900	<50.0	0.03	<0.005	15.30	0.04	0.1110	<0.1	2.1300	246.00	1.21	0.003	3.15	14.800	0.35	1.28	1.110	1.2100	0.07	<10.0	0.1800	3060.00	<0.01	72.70	<0.5	0.00	0.6160	<0.2	13.600	0.20	
NF2	6/4/2010	<0.005	45.90	0.46	28.200	<50.0	<0.01	0.01	13.80	0.05	0.0610	0.20	1.2300	98.00	0.55	0.002	3.27	8.950	0.27	1.56	0.680	5.3100	0.08	<10.0	0.1300	4460.00	0.02	55.40	0.60	0.00	0.4930	<0.2	15.200	<0.1	
NF2	7/8/2010	<0.005	11.50	0.47	39.500	<50.0	<0.01	0.01	18.80	0.01	0.0280	<0.1	0.6000	72.00	0.47	0.003	4.15	10.200	0.37	1.63	0.350	0.3920	0.08	<10.0	0.1600	4490.00	<0.01	90.80	<0.5	<0.002	0.7720	<0.2	4.500	<0.1	
NF2	8/3/2010	<0.005	6.20	0.60	52.000	<50.0	<0.01	<0.005	26.30	0.01	0.0590	<0.1	0.4900	141.00	0.64	0.004	5.59	26.400	0.59	2.03	0.410	0.6970	0.07	<10.0	0.2300	4780.00	<0.01	117.00	<0.5	0.00	1.0000	<0.2	7.000	<0.1	
NF2	9/1/2010	<0.005	6.60	0.59	48.900	<50.0	<0.01	<0.005	28.40	0.01	0.0960	<0.1	0.7100	125.00	0.69	0.004	6.09	33.300	0.56	2.25	0.540	0.4790	0.06	<10.0	0.2200	4400.00	<0.01	120.00	<0.5	<0.002	1.2800	<0.2	9.200	<0.1	
NF2	10/18/2010	<0.005	3.10	0.38	48.600	<50.0	<0.01	<0.005	31.60	0.01	0.0770	<0.1	0.3600	101.00	0.70	0.005	6.59	35.700	0.66	2.37	0.470	0.2600	0.06	<10.0	0.2900	5190.00	<0.01	131.00	<0.5	0.00	1.4300	<0.2	8.300	<0.1	
NF2	11/9/2010	<0.005	3.00	0.32	60.800	<50.0	<0.01	<0.005	35.40	0.02	0.1770	<0.1	0.8100	72.00	1.19	0.006	7.85	63.700	0.65	2.81	0.780	0.6650	0.07	<10.0	0.3000	5540.00	0.02	154.00	<0.5	0.00	1.8500	<0.2	24.700	<0.1	
NF2	12/1/2010	<0.005	3.10	0.31	64.400	<50.0	<0.01	0.01	38.50	0.02	0.1260	<0.1	0.5500	64.00	0.91	0.006	8.47	35.600	0.64	2.83	0.490	0.0820	0.06	<10.0	0.3300	5870.00	<0.01	163.00	<0.5	<0.002	2.0000	<0.2	15.900	<0.1	
NF2 Average		0.0029	12.03	0.43	55.583	25.00	0.01	0.00	32.34	0.02	0.0987	0.06	0.6542	86.33	0.89	0.006	6.90	24.646	0.64	2.52	0.545	0.7859	0.07	6	0.2975	5215.83	0.01	138.41	0.28	0.00	1.7351	0.10	12.500	0.06	
NF2 Max		0.0070	57.20	0.68	73.900	<50.0	0.03	0.01	46.10	0.05	0.1770	0.20	2.1300	246.00	1.21	0.009	9.70	63.700	0.94	3.53	1.110	5.3100	0.08	<10.0	0.4400	6410.00	0.02	197.00	0.60	0.00	3.0400	<0.2	24.700	0.20	
NF2 Min		<0.005	1.70	0.31	28.200	<50.0	<0.01	<0.005	13.80	0.01	0.0280	<0.1	0.1700	26.00	0.47	0.002	3.15	8.950	0.27	1.28	0.350	0.0620	0.05	8	0.1300	3060.00	<0.01	55.40	<0.5	<0.002	0.4930	<0.2	4.500	<0.1	
NF2 N > DL		1	12	12	12	0	1	3	12	12	12	1	12	12	0	12	12	12	12	12	12	12	12	2	12	12	3	12	1	5	12	0	12	1	
NF2 Median		<0.005	3.10	0.36	56.400	<50.0	<0.01	<0.005	33.50	0.01	0.0955	<0.1	0.5200	72.00	0.97	0.005	7.22	18.450	0.65	2.59	0.480	0.3260	0.07	<10.0	0.2950	5365.00	<0.01	142.50	<0.5	<0.002	1.6400	<0.2	12.450	<0.1	
NFRC SC-1	1/12/2010	<0.005	1.90	0.33	68.800	<50.0	<0.01	<0.005	43.10	0.01	0.0900	<0.1	0.3300	45.00	1.01	0.008	9.29	24.400	0.79	3.20	0.410	0.1050	0.07	8	0.4400	6330.00	<0.01	176.00	<0.5	<0.002	2.5300	<0.2	9.700	<0.1	
NFRC SC-1	2/23/2010	<0.005	2.30	0.33	73.100	<50.0	<0.01	<0.005	45.20	0.01	0.1050	<0.1	0.2800	46.00	1.09	0.009	9.57	28.600	0.88	3.39	0.400	0.0640	0.06	8	0.4400	5820.00	<0.01	192.00	<0.5	<0.002	2.7900	<0.2	12.200	<0.1	
NFRC SC-1	3/10/2010	<0.005	1.80	0.37	72.000	<50.0	<0.01	<0.005	45.30	0.01	0.1350	<0.1	0.2600	48.00	1.10	0.009	9.47	38.700	0.96	3.39	0.440	0.0580	0.06	<10.0	0.4200	6280.00	<0.01	196.00	<0.5	<0.002	3.0200	<0.2	13.300	<0.1	
NFRC SC-1	4/14/2010	<0.005	2.10	0.37	73.600	<50.0	<0.01	<0.005	46.90	0.02	0.1680	<0.1	0.1900	60.00	1.15	0.009	9.69	43.800	0.94	3.60	0.530	0.1150	0.06	<10.0	0.4300	6000.00	<0.01	199.00	<0.5	0.00	3.0300	<0.2	18.100	<0.1	
NFRC SC-1	5/3/2010	<0.005	59.90	0.69	37.400	<50.0	<0.01	<0.005	17.30	0.05	0.1200	<0.1	2.2300	235.00	1.35	0.003	3.32	21.000	0.34	1.43	1.770	1.4700	0.08	<10.0	0.1500	3100.00	<0.01	76.80	<0.5	0.01	0.6340	<0.2	18.400	0.20	
NFRC SC-1	6/4/2010	<0.005	27.50	0.37	26.400	<50.0	0.02	<0.005	13.50	0.01	0.0320	<0.1	0.8200	74.00	0.51	0.002	3.25	6.310	0.28	1.53	0.400	0.4580	0.07	<10.0	0.1300	4470.00	<0.01	56.20	<0.5	<0.002	0.4990	<0.2	4.200	<0.1	
NFRC SC-1	7/8/2010	<0.005	11.50	0.45	38.400	<50.0	<0.01	<0.005	18.00	0.01	0.0300	<0.1	0.6100	75.00	0.45	0.003	3.89	9.910	0.35	1.58	0.330	0.4730	0.08	<10.0	0.1700	4300.00	<0.01	86.40	<0.5	<0.002	0.6990	<0.2	4.000	<0.1	
NFRC SC-1	8/3/2010	<0.005	7.60	0.63	52.300	<50.0	<0.01	<0.005	26.60	0.01	0.0700	<0.1	0.7900	128.00	0.73	0.005	6.27	30.200	0.59	2.29	0.600	0.9110	0.08	<10.0	0.2300	3850.00	<0.01	118.00	<0.5	0.00	1.2400	<0.2	8.100	<0.1	
NFRC SC-1	10/18/2010	<0.005	3.60	0.43	51.700	<50.0	<0.01	<0.005	32.60	0.01	0.0970	<0.1	0.3500	101.00	0.70	0.005	6.49	35.700	0.59	2.33	0.430	0.2160	0.06	<10.0	0.2900	5370.00	<0.01	134.00	<0.5	0.00	1.5600	<0.2	8.500	<0.1	
NFRC SC-1 Average		0.0025	13.13	0.44	54.856	25.00	0.01	0.00	32.06	0.02	0.0941	0.05	0.6511	90.22	0.90	0.006	6.80	26.513	0.64	2.53	0.590	0.4300	0.07	6	0.3000	5057.78	0.01	137.16	0.25	0.00	1.7780	0.10	10.722	0.07	
NFRC SC-1 Max		<0.005	59.90	0.69	73.600	<50.0	0.02	<0.005	46.90	0.05	0.1680	<0.1	2.2300	235.00	1.35	0.009	9.69	43.800	0.96	3.60	1.770	1.4700	0.08	<10.0	0.4400	6330.00	<0.01	199.00	<0.5	0.01	3.0300	<0.2	18.400	0.20	
NFRC SC-1 Min		<0.005	1.80	0.33	26.400	<50.0	<0.01	<0.005	13.50	0.01	0.0300	<0.1	0.1900	45.00	0.45	0.002	3.25	6.310	0.28	1.43	0.330	0.0580	0.06	8	0.1300	3100.00	<0.01	56.20	<0.5	<0.002	0.4990	<0.2	4.000	<0.1	
NFRC SC-1 N > DL		0	9	9	9	0	1	0	9	9	9	0	9	9	0	9	9	9	9	9	9	9	9	2	9	9	0	9	0	4	9	0	9	1	
NFRC SC-1 Median		<0.005	3.60	0.37	52.300	<50.0	<0.01	<0.005	32.60	0.01	0.0970	<0.1	0.3500	74.00	1.01	0.005	6.49	28.600	0.59	2.33	0.430	0.2160	0.07	<10.											

Table C-2: Rose Creek Drainage Water Quality
2010 - Surface Water - Dissolved Metals

Station	Date	Ag-d	Al-d	As-d	Ba-d	B-d	Be-d	Bi-d	Ca-d	Cd-d	Co-d	Cr-d	Cu-d	Fe-d	Hg-d	K-d	Li-d	Mg-d	Mn-d	Mo-d	Na-d	Ni-d	Pb-d	Sb-d	S-d	Se-d	Si-d	Sn-d	Sr-d	Ti-d	Tl-d	U-d	V-d	Zn-d	Zr-d
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NFRC SC-4	3/10/2010	<0.005	3.20	0.31	68.000	<50.0	<0.01	<0.005	43.80	0.02	0.1650	<0.1	0.2800	66.00	1.08	0.009	9.41	59.000	0.90	3.36	0.730	0.0830	0.05	<10.0	0.4800	6560.00	<0.01	189.00	<0.5	<0.002	2.8600	<0.2	24.500	<0.1	
NFRC SC-4	4/14/2010	<0.005	3.20	0.28	72.600	<50.0	<0.01	<0.005	45.90	0.02	0.2140	<0.1	0.2000	66.00	1.12	0.009	9.51	65.500	0.94	3.51	0.720	0.3110	0.07	<10.0	0.4000	5940.00	0.02	200.00	<0.5	<0.002	3.0100	<0.2	28.100	<0.1	
NFRC SC-4	5/3/2010	<0.005	59.20	0.71	37.800	<50.0	<0.01	<0.005	18.30	0.04	0.1370	<0.1	2.1800	266.00	1.42	0.003	3.57	29.000	0.36	1.49	1.490	1.4300	0.08	<10.0	0.1800	3360.00	<0.01	79.90	<0.5	0.01	0.6390	<0.2	17.500	0.20	
NFRC SC-4	6/4/2010	<0.005	31.80	0.43	27.400	<50.0	<0.01	0.01	14.00	0.02	0.0460	<0.1	1.0200	80.00	0.55	0.002	3.35	8.110	0.28	1.57	0.740	1.2400	0.08	<10.0	0.1300	4500.00	0.02	56.30	0.60	0.00	0.4960	<0.2	10.000	<0.1	
NFRC SC-4	7/8/2010	<0.005	13.40	0.45	38.200	<50.0	<0.01	0.02	18.40	0.01	0.0430	<0.1	0.6600	87.00	0.46	0.003	3.92	11.400	0.35	1.61	0.380	1.7400	0.08	<10.0	0.1800	4470.00	<0.01	85.80	<0.5	0.00	0.6790	<0.2	6.700	<0.1	
NFRC SC-4	8/3/2010	<0.005	7.20	0.61	52.800	<50.0	<0.01	<0.005	26.40	0.01	0.0810	<0.1	0.5500	174.00	0.69	0.004	6.05	33.700	0.58	2.18	0.470	0.6480	0.08	<10.0	0.2400	3820.00	<0.01	118.00	<0.5	0.00	1.1700	<0.2	9.300	<0.1	
NFRC SC-4	10/18/2010	<0.005	3.70	0.45	52.100	<50.0	<0.01	<0.005	32.60	0.02	0.1160	<0.1	0.4000	118.00	0.75	0.005	7.03	44.200	0.62	2.50	0.610	0.2470	0.06	<10.0	0.3100	5430.00	<0.01	138.00	<0.5	0.00	1.5700	<0.2	12.400	<0.1	
NFRC SC-4 Average		0.0029	13.94	0.42	54.333	25.00	0.01	0.01	32.00	0.02	0.1213	0.05	0.6556	109.11	0.91	0.006	6.90	39.846	0.63	2.54	0.702	0.6502	0.07	6	0.3078	5132.22	0.01	138.11	0.29	0.00	1.7460	0.10	17.033	0.07	
NFRC SC-4 Max		0.0060	59.20	0.71	72.600	<50.0	<0.01	0.02	45.90	0.04	0.2140	<0.1	2.1800	266.00	1.42	0.009	9.72	65.500	0.94	3.51	1.490	1.7400	0.08	<10.0	0.4800	6560.00	0.02	200.00	0.60	0.01	3.0100	<0.2	28.100	0.20	
NFRC SC-4 Min		<0.005	1.80	0.25	27.400	<50.0	<0.01	<0.005	14.00	0.01	0.0430	<0.1	0.2000	61.00	0.46	0.002	3.35	8.110	0.28	1.49	0.380	0.0620	0.05	8	0.1300	3360.00	<0.01	56.30	<0.5	<0.002	0.4960	<0.2	6.700	<0.1	
NFRC SC-4 N > DL		1	9	9	9	0	0	2	9	9	9	0	9	9	9	9	9	9	9	9	9	9	9	2	9	9	9	2	9	1	6	9	0	9	1
NFRC SC-4 Median		<0.005	3.70	0.43	52.800	<50.0	<0.01	<0.005	32.60	0.02	0.1370	<0.1	0.4000	80.00	1.04	0.005	7.03	44.200	0.62	2.50	0.610	0.3110	0.07	<10.0	0.3100	5430.00	<0.01	138.00	<0.5	0.00	1.5700	<0.2	17.500	<0.1	
NWID	2/22/2010	<0.005	2.30	0.19	58.800	<50.0	<0.01	<0.005	69.10	0.06	0.0130	<0.1	0.6600	2.00	1.89	0.007	8.72	0.140	0.30	3.35	0.600	0.1040	0.05	17	0.3100	6340.00	<0.01	264.00	<0.5	0.00	1.5100	<0.2	16.100	<0.1	
NWID	3/10/2010	<0.005	2.40	0.20	59.000	<50.0	<0.01	<0.005	71.20	0.05	0.0170	<0.1	0.6800	3.00	1.95	0.007	9.05	0.150	0.36	3.48	0.670	0.2570	0.05	18	0.3400	6590.00	<0.01	267.00	<0.5	0.00	1.6400	<0.2	19.000	<0.1	
NWID	4/15/2010	<0.005	2.40	0.21	57.500	<50.0	<0.01	<0.005	70.10	0.07	0.0140	<0.1	0.6000	4.00	1.92	0.007	8.86	0.250	0.30	3.41	0.720	0.2540	0.05	16	0.3900	7000.00	<0.01	263.00	<0.5	0.00	1.5800	<0.2	21.100	<0.1	
NWID	5/3/2010	<0.005	36.00	0.35	32.100	<50.0	<0.01	<0.005	23.80	0.05	0.0550	<0.1	2.5600	51.00	1.24	0.003	3.58	1.930	0.20	1.59	1.010	0.9980	0.07	<10.0	0.1400	4300.00	<0.01	97.00	<0.5	0.01	0.4130	<0.2	27.700	<0.1	
NWID	6/4/2010	<0.005	14.80	0.23	35.800	<50.0	<0.01	<0.005	35.40	0.07	0.0450	<0.1	1.9400	14.00	1.27	0.004	5.15	2.050	0.29	2.58	0.750	1.3100	0.07	<10.0	0.1500	7420.00	<0.01	129.00	<0.5	0.00	0.5560	<0.2	23.700	<0.1	
NWID	7/10/2010	<0.005	10.00	0.21	48.600	<50.0	<0.01	<0.005	48.80	0.07	0.0450	<0.1	1.3800	24.00	1.50	0.005	6.66	3.350	0.27	2.86	0.800	4.1400	0.06	13	0.2200	6720.00	<0.01	192.00	<0.5	0.01	0.9950	<0.2	31.300	<0.1	
NWID	8/3/2010	<0.005	4.20	0.26	52.800	<50.0	<0.01	<0.005	50.70	0.07	0.0180	<0.1	0.9300	5.00	1.65	0.007	7.05	0.720	0.28	2.91	0.470	0.4640	0.05	13	0.2400	5780.00	<0.01	208.00	<0.5	0.00	1.0700	<0.2	13.900	<0.1	
NWID Average		0.0025	10.30	0.24	49.229	25.00	0.01	0.00	52.73	0.06	0.0296	0.05	1.2500	14.71	1.63	0.006	7.01	1.227	0.29	2.88	0.717	1.0753	0.06	12	0.2557	6307.14	0.01	202.86	0.25	0.00	1.1091	0.10	21.829	0.05	
NWID Max		<0.005	36.00	0.35	59.000	<50.0	<0.01	<0.005	71.20	0.07	0.0550	<0.1	2.5600	51.00	1.95	0.007	9.05	3.350	0.36	3.48	1.010	4.1400	0.07	18	0.3900	7420.00	<0.01	267.00	<0.5	0.01	1.6400	<0.2	31.300	<0.1	
NWID Min		<0.005	2.30	0.19	32.100	<50.0	<0.01	<0.005	23.80	0.05	0.0130	<0.1	0.6000	2.00	1.24	0.003	3.58	0.140	0.20	1.59	0.470	0.1040	0.05	<10.0	0.1400	4300.00	<0.01	97.00	<0.5	0.00	0.4130	<0.2	13.900	<0.1	
NWID N > DL		0	7	7	7	0	0	0	7	7	7	0	7	7	7	7	7	7	7	7	7	7	7	5	7	7	0	7	0	7	0	7	0	7	0
NWID Median		<0.005	4.20	0.21	52.800	<50.0	<0.01	<0.005	50.70	0.07	0.0180	<0.1	0.9300	5.00	1.65	0.007	7.05	0.720	0.29	2.91	0.720	0.4640	0.05	13	0.2400	6590.00	<0.01	208.00	<0.5	0.00	1.0700	<0.2	21.100	<0.1	
R10	1/11/2010	<0.005	1.80	0.34	69.300	<50.0	<0.01	<0.005	42.40	0.01	0.0390	<0.1	0.2900	40.00	0.99	0.008	9.11	17.300	0.81	3.14	0.310	0.0550	0.07	7	0.4500	6800.00	<0.01	172.00	<0.5	<0.002	2.5400	<0.2	6.200	<0.1	
R10	2/23/2010	<0.005	2.30	0.35	72.500	<50.0	<0.01	<0.005	44.20	<0.005	0.0360	<0.1	0.2500	30.00	1.05	0.009	9.23	13.200	0.92	3.26	0.240	0.0190	0.06	7	0.4300	5990.00	<0.01	189.00	<0.5	<0.002	2.7400	<0.2	6.900	<0.1	
R10	3/10/2010	<0.005	2.30	0.39	69.600	<50.0	<0.01	<0.005	46.10	0.01	0.0450	<0.1	0.3000	33.00	1.10	0.009	9.40	13.600	0.97	3.47	0.360	0.2160	0.05	<10.0	0.4500	6430.00	0.02	191.00	<0.5	<0.002	2.9500	<0.2	12.600	<0.1	
R10	4/11/2010	<0.005	4.40	0.35	74.300	<50.0	<0.01	<0.005	45.00	0.03	0.0360	0.20	0.3400	45.00	1.19	0.009	9.48	38.400	0.98	3.64	0.520	0.3910	0.06	<10.0	0.4400	6210.00	<0.01	194.00	<0.5	<0.002	2.9800	<0.2	21.800	<0.1	
R10	5/3/2010	<0.005	63.90	0.69	39.300	<50.0	0.02	<0.005	18.20	0.04	0.1030	<0.1	2.0100	246.00	1.36	0.003	3.37	23.700	0.40	1.46	1.040	1.0400	0.08	<10.0	0.1700	3330.00	<0.01	78.70	0.70	0.00	0.6970	<0.2	10.100	0.20	
R10	6/5/2010	<0.005	39.90	0.43	29.700	<50.0	<0.01	0.03	15.20	0.05	0.0440	<0.1	1.1300	90.00	0.54	0.002	3.65	7.350	0.30	1.65	0.680	2.9200	0.08	<10.0	0.1500	4820.00	0.04	61.50	0.60	<0.002	0.5830	<0.2	8.700	<0.1	
R10	7/8/2010	<0.005	17.20	0.51	38.500	<50.0	<0.01	0.02	18.00	0.02	0.0360	<0.1	0.6500	85.00	0.45	0.003	3.71	9.270	0.35	1.53	0.380	3.1600	0.09	<10.0	0.1700	4480.00	<0.01	84.70	<0.5	0.00	0.6870	<0.2	9.500	<0.1	
R10	8/3/2010	<0.005	6.20	0.60	48.500	<50.0	<0.01	<0.005	25.00	0.01	0.0330	<0.1	0.4100	101.00	0.59	0.004	5.54	10.400	0.57	1.94	0.280	0.3110	0.07	<10.0	0.2400	3760.00	<0.01	111.00	<0.5	<0.002	1.1500	<0.2	4.300	<0.1	
R10	9/1/2010	<0.005	8.40	0.63	48.000	<50.0	<0.01	0.01	27.60	0.02	0.0540	<0.1	0.6800	124.00	0.76	0.004	5.87	16.500	0.54	2.26	0.390	0.9550	0.06	<10.0	0.2200	4500.00	<								

Table C-2: Rose Creek Drainage Water Quality
2010 - Surface Water - Dissolved Metals

Station	Date	Ag-d	Al-d	As-d	Ba-d	B-d	Be-d	Bi-d	Ca-d	Cd-d	Co-d	Cr-d	Cu-d	Fe-d	Hg-d	K-d	Li-d	Mg-d	Mn-d	Mo-d	Na-d	Ni-d	Pb-d	Sb-d	S-d	Se-d	Si-d	Sn-d	Sr-d	Ti-d	Tl-d	U-d	V-d	Zn-d	Zr-d	
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
R8	4/11/2010	<0.005	1.80	0.41	76.400	<50.0	<0.01	<0.005	43.70	<0.005	0.0120	<0.1	0.1600	26.00	1.06	0.009	8.59	7.690	1.03	3.52	0.190	0.0490	0.05	<10.0	0.4500	6370.00	<0.01	187.00	<0.5	<0.002	2.8700	<0.2	0.600	<0.1		
R8	5/3/2010	<0.005	64.50	0.77	39.400	<50.0	0.02	<0.005	16.60	0.03	0.0880	<0.1	1.9300	264.00	1.32	0.003	3.12	24.700	0.39	1.43	1.200	1.4200	0.09	<10.0	0.1800	3330.00	<0.01	72.60	0.70	0.00	0.6830	<0.2	6.800	0.20		
R8	6/5/2010	<0.005	44.70	0.46	30.300	<50.0	<0.01	0.03	14.30	0.01	0.0380	<0.1	0.9500	91.00	0.49	0.002	3.17	6.750	0.31	1.61	0.560	1.5800	0.07	<10.0	0.1500	4760.00	0.03	56.60	<0.5	<0.002	0.5500	<0.2	4.100	<0.1		
R8	7/8/2010	<0.005	24.50	0.55	39.300	<50.0	<0.01	<0.005	17.40	0.01	0.0300	<0.1	0.6600	100.00	0.41	0.002	3.47	8.940	0.35	1.53	0.330	1.1500	0.08	<10.0	0.1800	4640.00	<0.01	76.00	1.00	0.00	0.6280	<0.2	2.500	<0.1		
R8	8/3/2010	<0.005	6.30	0.64	50.700	<50.0	<0.01	<0.005	24.30	<0.005	0.0250	<0.1	0.4900	112.00	0.55	0.004	5.27	11.700	0.58	1.97	0.330	0.3370	0.08	<10.0	0.2500	3880.00	<0.01	104.00	<0.5	<0.002	1.0500	<0.2	2.600	<0.1		
R8	9/1/2010	<0.005	10.50	0.64	47.200	<50.0	<0.01	<0.005	24.10	0.02	0.0570	<0.1	1.4400	134.00	0.75	0.004	5.05	17.100	0.55	2.13	0.520	2.2200	0.07	<10.0	0.2000	3990.00	<0.01	110.00	<0.5	0.00	1.1600	<0.2	22.000	<0.1		
R8	10/19/2010	0.0060	5.50	0.59	50.500	<50.0	<0.01	<0.005	30.20	0.02	0.0290	<0.1	0.5800	116.00	0.88	0.005	6.15	17.100	0.59	2.59	0.380	0.7970	0.07	<10.0	0.3100	5730.00	0.02	121.00	<0.5	<0.002	1.4000	<0.2	7.800	<0.1		
R8	11/10/2010	<0.005	3.00	0.38	62.700	<50.0	<0.01	<0.005	34.40	0.01	0.0280	<0.1	0.2800	63.00	0.74	0.005	7.06	14.400	0.86	2.75	0.240	0.0640	0.06	<10.0	0.3000	6050.00	<0.01	141.00	<0.5	<0.002	1.6700	<0.2	1.700	<0.1		
R8	12/1/2010	<0.005	2.40	0.38	63.500	<50.0	0.02	<0.005	35.30	0.01	0.0230	<0.1	0.2900	57.00	0.80	0.006	7.13	13.700	0.65	2.61	0.190	0.0850	0.06	<10.0	0.3100	5910.00	<0.01	148.00	<0.5	<0.002	1.7700	<0.2	3.300	<0.1		
R8 Average		0.0028	14.08	0.50	56.008	25.00	0.01	0.00	30.34	0.01	0.0316	0.06	0.6192	88.92	0.82	0.005	6.07	12.834	0.67	2.46	0.373	0.6492	0.07	5	0.3008	5286.67	0.01	127.60	0.35	0.00	1.6126	0.10	4.400	0.06		
R8 Max		0.0060	64.50	0.77	76.400	<50.0	0.02	0.03	43.70	0.03	0.0880	0.20	1.9300	264.00	1.32	0.009	8.59	24.700	1.03	3.52	1.200	2.2200	0.09	<10.0	0.4600	6370.00	0.03	187.00	1.00	0.00	2.8700	<0.2	22.000	0.20		
R8 Min		<0.005	1.60	0.36	30.300	<50.0	<0.01	<0.005	14.30	<0.005	0.0120	<0.1	0.1600	26.00	0.41	0.002	3.12	6.750	0.31	1.43	0.150	0.0060	0.05	4	0.1500	3330.00	<0.01	56.60	<0.5	<0.002	0.5500	<0.2	0.300	<0.1		
R8 N > DL		1	12	12	12	0	2	1	12	7	12	1	12	12	0	12	12	12	12	12	12	12	12	2	12	12	12	2	12	3	12	0	12	1		
R8 Median		<0.005	4.25	0.44	56.700	<50.0	<0.01	<0.005	32.30	0.01	0.0265	<0.1	0.3900	77.00	0.84	0.005	6.61	12.700	0.62	2.60	0.285	0.2110	0.07	<10.0	0.3050	5820.00	<0.01	131.00	<0.5	<0.002	1.5350	<0.2	2.550	<0.1		
R9	1/11/2010	<0.005	1.90	0.35	68.600	<50.0	<0.01	<0.005	42.50	<0.005	0.0250	<0.1	0.3400	33.00	0.99	0.007	9.06	14.900	0.84	3.11	0.240	0.1840	0.07	7	0.4200	6300.00	<0.01	170.00	<0.5	<0.002	2.5600	<0.2	1.600	<0.1		
R9	2/23/2010	<0.005	2.20	0.38	71.500	<50.0	<0.01	<0.005	43.60	<0.005	0.0220	<0.1	0.2400	30.00	1.04	0.008	9.07	10.800	0.90	3.21	0.190	0.0150	0.05	7	0.4300	5840.00	<0.01	187.00	<0.5	<0.002	2.7100	<0.2	1.100	<0.1		
R9	3/10/2010	<0.005	2.20	0.42	71.800	<50.0	<0.01	<0.005	45.30	<0.005	0.0220	<0.1	0.2800	34.00	1.08	0.009	9.19	10.600	0.98	3.38	0.250	0.1600	0.06	<10.0	0.4800	6850.00	<0.01	193.00	<0.5	<0.002	3.0200	<0.2	3.600	<0.1		
R9	4/11/2010	<0.005	1.50	0.39	72.200	<50.0	<0.01	<0.005	44.50	0.01	0.0180	<0.1	0.1900	22.00	1.11	0.009	9.37	8.350	0.96	3.47	0.170	0.0230	0.05	<10.0	0.4500	6230.00	<0.01	188.00	<0.5	<0.002	2.9700	<0.2	0.700	<0.1		
R9	5/3/2010	<0.005	58.20	0.68	39.000	<50.0	<0.01	<0.005	17.70	0.03	0.0800	<0.1	1.8900	244.00	1.34	0.003	3.32	22.600	0.39	1.43	0.970	0.8420	0.07	<10.0	0.1700	3350.00	<0.01	78.50	0.70	0.00	0.7110	<0.2	4.000	0.20		
R9	6/5/2010	<0.005	36.00	0.45	30.000	<50.0	<0.01	0.01	15.50	0.02	0.0380	<0.1	0.9500	84.00	0.53	0.002	3.69	6.780	0.31	1.66	0.670	1.5700	0.07	<10.0	0.1500	4720.00	0.02	62.40	<0.5	<0.002	0.6100	<0.2	5.600	<0.1		
R9	7/8/2010	<0.005	15.50	0.51	37.300	<50.0	<0.01	0.01	16.90	0.01	0.0250	<0.1	0.6000	79.00	0.44	0.003	3.79	7.860	0.35	1.54	0.290	1.1800	0.08	<10.0	0.1700	4170.00	<0.01	81.60	<0.5	<0.002	0.6690	<0.2	2.000	<0.1		
R9	8/3/2010	<0.005	8.10	0.72	50.600	<50.0	<0.01	<0.005	26.40	0.01	0.0290	<0.1	0.5500	107.00	0.64	0.004	6.12	11.400	0.56	2.10	0.620	0.6090	0.07	<10.0	0.2400	3750.00	<0.01	116.00	<0.5	<0.002	1.1900	<0.2	3.500	<0.1		
R9	9/1/2010	<0.005	8.10	0.60	47.300	<50.0	<0.01	0.01	27.40	0.02	0.0510	<0.1	0.5600	129.00	0.76	0.004	5.74	16.300	0.54	2.10	0.460	1.0800	0.06	<10.0	0.2100	4530.00	<0.01	116.00	<0.5	<0.002	1.2600	<0.2	10.800	<0.1		
R9	10/19/2010	0.0060	5.40	0.56	52.300	<50.0	<0.01	<0.005	34.00	0.02	0.0310	<0.1	0.5300	109.00	0.85	0.005	6.84	17.100	0.61	2.50	0.380	0.7130	0.07	<10.0	0.3100	5700.00	0.02	135.00	<0.5	<0.002	1.6100	<0.2	4.400	<0.1		
R9	11/10/2010	<0.005	3.30	0.35	61.900	<50.0	<0.01	<0.005	36.10	0.02	0.1900	<0.1	0.5100	116.00	1.55	0.006	8.36	39.800	0.75	3.29	0.470	0.2380	0.06	<10.0	0.3200	5730.00	0.02	153.00	<0.5	0.00	1.8100	<0.2	52.600	<0.1		
R9	12/1/2010	<0.005	2.30	0.38	64.500	<50.0	<0.01	<0.005	38.70	0.01	0.0260	<0.1	0.5300	57.00	0.86	0.006	8.08	14.600	0.68	2.69	0.270	0.0520	0.06	<10.0	0.3400	5990.00	0.02	160.00	<0.5	<0.002	2.0000	<0.2	3.700	<0.1		
R9 Average		0.0028	12.06	0.48	55.583	25.00	0.01	0.00	32.38	0.01	0.0464	0.05	0.5975	87.00	0.93	0.005	6.89	15.091	0.66	2.54	0.415	0.5555	0.06	5	0.3075	5263.33	0.01	136.71	0.29	0.00	1.7600	0.10	7.800	0.06		
R9 Max		0.0060	58.20	0.72	72.200	<50.0	<0.01	0.01	45.30	0.03	0.1900	<0.1	1.8900	244.00	1.55	0.009	9.37	39.800	0.98	3.47	0.970	1.5700	0.08	<10.0	0.4800	6850.00	0.02	193.00	0.70	0.00	3.0200	<0.2	52.600	0.20		
R9 Min		<0.005	1.50	0.35	30.000	<50.0	<0.01	<0.005	15.50	<0.005	0.0180	<0.1	0.1900	22.00	0.44	0.002	3.32	6.780	0.31	1.43	0.170	0.0150	0.05	7	0.1500	3350.00	<0.01	62.40	<0.5	<0.002	0.6100	<0.2	0.700	<0.1		
R9 N > DL		1	12	12	12	0	0	3	12	9	12	0	12	12	0	12	12	12	12	12	12	12	12	2	12	12	12	4	12	1	2	12	0	12	1	
R9 Median		<0.005	4.35	0.44	57.100	<50.0	<0.01	<0.005	35.05	0.01	0.0275	<0.1	0.5300	81.50	0.93	0.005	7.46	13.000	0.65	2.60	0.335	0.4235	0.07	<10.0	0.3150	5715.00	<0.01	144.00	<0.5	<0.002	1.7100	<0.2	3.650	<0.1		
RCSG#4	1/12/2010	<0.005	1.90	0.21	68.800	<50.0	<0.01	<0.005	45.10	0.09	0.1120	<0.1	0.7400	218.00	1.18	0.007	10.20	63.200	0.68	3.07	0.710	0.4000	0.08	10	0.4000	5790.00	<0.01	188.00	<0.5	0.00	2.5400	<0.2	38.300	<0.1		
RCSG#4	3/10/2010	<0.005	1.70	0.22	72.200	<50.0	<0.01	<0.005	48.20	0.01	0.1190	<0.1	0.2700	103.00	1.21	0.008	10.50	69.400	0.79	3.31	0.650	0.0510	0.05	11	0.3700	5170.00	<0.01	211.00	<0.5	<0.002	2.9700	<0				

Table C-2: Rose Creek Drainage Water Quality
2010 - Surface Water - Dissolved Metals

Station	Date	Ag-d	Al-d	As-d	Ba-d	B-d	Be-d	Bi-d	Ca-d	Cd-d	Co-d	Cr-d	Cu-d	Fe-d	Hg-d	K-d	Li-d	Mg-d	Mn-d	Mo-d	Na-d	Ni-d	Pb-d	Sb-d	S-d	Se-d	Si-d	Sn-d	Sr-d	Ti-d	Tl-d	U-d	V-d	Zn-d	Zr-d
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
X10	5/3/2010	<0.005	36.70	0.56	37.900	<50.0	<0.01	0.01	19.90	0.03	0.1020	<0.1	1.7800	271.00	1.28	0.002	4.40	35.800	0.36	1.40	1.240	1.1600	0.08	<10.0	0.1600	3000.00	<0.01	90.20	0.60	0.01	0.8500	<0.2	18.400	<0.1	
X10	6/4/2010	<0.005	26.60	0.30	27.900	<50.0	<0.01	0.01	15.40	0.02	0.0620	<0.1	0.9500	120.00	0.56	0.002	3.83	15.500	0.29	1.53	1.020	0.8980	0.06	<10.0	0.1200	3900.00	0.02	65.70	<0.5	0.00	0.5580	<0.2	17.300	<0.1	
X10	7/8/2010	<0.005	18.80	0.36	35.800	<50.0	<0.01	0.01	17.70	0.02	0.0540	<0.1	0.6800	185.00	0.50	0.002	3.87	17.100	0.31	1.50	0.450	2.1700	0.07	<10.0	0.1400	3850.00	0.02	88.80	<0.5	0.00	0.6950	<0.2	14.300	<0.1	
X10	8/3/2010	<0.005	9.40	0.48	48.000	<50.0	<0.01	<0.005	27.40	0.02	0.0710	<0.1	0.7800	261.00	0.80	0.003	6.89	26.400	0.50	2.19	0.580	1.8100	0.07	<10.0	0.2000	3650.00	<0.01	125.00	<0.5	0.00	1.2400	<0.2	24.100	<0.1	
X10	9/2/2010	<0.005	4.70	0.40	47.700	<50.0	<0.01	<0.005	29.50	0.02	0.1310	<0.1	0.6600	267.00	0.90	0.003	6.56	29.100	0.47	2.21	0.690	0.9190	0.07	<10.0	0.2000	4260.00	<0.01	132.00	<0.5	0.00	1.3100	<0.2	34.200	<0.1	
X10	10/21/2010	<0.005	2.60	0.32	53.200	<50.0	<0.01	<0.005	35.70	0.01	0.0840	<0.1	0.4200	194.00	0.80	0.004	8.06	36.900	0.57	2.28	0.530	0.3990	0.07	<10.0	0.3000	4900.00	<0.01	158.00	<0.5	<0.002	1.8100	<0.2	23.000	<0.1	
X10	11/9/2010	<0.005	2.30	0.18	61.600	<50.0	<0.01	<0.005	39.30	0.02	0.0660	<0.1	0.4500	98.00	0.94	0.004	8.65	40.700	0.53	2.47	0.670	0.2490	0.06	<10.0	0.3000	5200.00	<0.01	173.00	<0.5	<0.002	1.9200	<0.2	37.000	<0.1	
X10	12/1/2010	<0.005	1.50	0.13	61.300	<50.0	<0.01	<0.005	40.30	0.01	0.0890	<0.1	0.3300	70.00	1.03	0.005	9.08	42.200	0.47	2.68	0.670	0.1000	0.06	<10.0	0.2800	5470.00	<0.01	179.00	<0.5	<0.002	1.9500	<0.2	43.100	<0.1	
X10 Average		0.0025	9.05	0.27	54.400	25.00	0.01	0.00	34.29	0.02	0.0660	0.05	0.6192	132.17	0.94	0.005	8.00	25.579	0.54	2.39	0.720	0.6983	0.07	6	0.2850	4675.83	0.01	151.31	0.28	0.00	1.7819	0.10	29.417	0.05	
X10 Max		<0.005	36.70	0.56	71.800	<50.0	<0.01	0.01	47.50	0.03	0.1310	<0.1	1.7800	271.00	1.28	0.008	11.50	42.200	0.80	3.15	1.240	2.1700	0.08	11	0.4600	6080.00	0.02	208.00	0.60	0.01	3.0100	<0.2	43.600	<0.1	
X10 Min		<0.005	1.00	0.12	27.900	<50.0	<0.01	<0.005	15.40	<0.005	0.0220	<0.1	0.2900	22.00	0.50	0.002	3.83	9.750	0.29	1.40	0.450	0.0260	0.06	10	0.1200	3000.00	<0.01	65.70	<0.5	<0.002	0.5580	<0.2	14.300	<0.1	
X10 N > DL		0	12	12	12	0	0	3	12	11	12	0	12	12	0	12	12	12	12	12	12	12	12	2	12	12	3	12	1	6	12	0	12	0	
X10 Median		<0.005	2.45	0.24	57.250	<50.0	<0.01	<0.005	37.50	0.02	0.0640	<0.1	0.4350	109.00	0.99	0.004	8.36	25.950	0.52	2.38	0.670	0.4055	0.07	<10.0	0.2900	4920.00	<0.01	165.50	<0.5	0.00	1.8650	<0.2	27.300	<0.1	
X14	1/11/2010	<0.005	1.20	0.20	74.000	<50.0	<0.01	<0.005	111.00	0.06	1.7900	<0.1	0.4300	61.00	2.18	0.009	24.70	2620.000	0.92	8.97	4.910	0.0770	0.09	74	0.4400	6490.00	<0.01	348.00	<0.5	0.01	3.6400	<0.2	40.800	<0.1	
X14	2/22/2010	<0.005	1.20	0.28	69.800	<50.0	<0.01	<0.005	124.00	0.06	2.5800	<0.1	0.2600	248.00	2.29	0.009	27.00	3450.000	0.81	9.76	5.870	0.0190	0.06	91	0.3500	5640.00	<0.01	386.00	<0.5	0.01	3.6400	<0.2	21.300	<0.1	
X14	3/10/2010	<0.005	1.10	0.37	67.600	<50.0	<0.01	<0.005	132.00	0.06	2.9700	<0.1	0.2600	376.00	2.33	0.009	27.90	3830.000	0.87	10.20	6.490	0.0220	0.07	104	0.4000	5990.00	<0.01	394.00	<0.5	0.01	3.8500	<0.2	23.700	<0.1	
X14	3/22/2010	<0.005	1.80	0.45	73.500	<50.0	<0.01	<0.005	149.00	0.07	3.7100	<0.1	0.2900	400.00	<0.01	2.67	0.011	30.80	4540.000	0.90	11.60	7.530	0.0520	0.10	123	0.4400	6570.00	<0.01	464.00	<0.5	0.01	4.0800	<0.2	34.500	<0.1
X14	3/29/2010	<0.005	1.60	0.33	60.300	<50.0	<0.01	<0.005	170.00	0.08	7.6500	<0.1	0.3100	301.00	<0.01	3.14	0.013	40.50	6040.000	0.89	14.90	13.800	0.1230	0.10	156	0.3300	6060.00	<0.01	524.00	<0.5	0.05	4.4800	<0.2	106.000	<0.1
X14	4/6/2010	<0.005	1.20	0.33	60.500	<50.0	<0.01	<0.005	196.00	0.10	8.9300	<0.1	0.3000	165.00	<0.01	3.59	0.013	40.60	7300.000	0.92	14.90	14.900	0.0750	0.09	173	0.3400	5800.00	<0.01	590.00	0.60	0.05	4.5700	<0.2	108.000	<0.1
X14	4/13/2010	<0.005	0.80	0.25	55.200	<50.0	<0.01	<0.005	174.00	0.09	6.1200	<0.1	0.2400	63.00	<0.01	2.97	0.013	33.90	5210.000	0.82	12.50	10.500	0.0540	0.07	147	0.3600	5890.00	<0.01	536.00	<0.5	0.05	4.2600	<0.2	82.100	<0.1
X14	4/20/2010	<0.005	9.20	0.29	48.100	<50.0	<0.01	<0.005	141.00	0.07	5.5700	<0.1	0.7500	102.00	<0.01	2.70	0.010	25.70	4250.000	0.72	9.84	9.640	0.3260	0.13	123	0.3000	4020.00	0.02	422.00	<0.5	0.04	2.8900	<0.2	62.000	<0.1
X14	4/27/2010	<0.005	16.80	0.58	40.100	<50.0	<0.01	0.01	52.60	0.05	0.8730	<0.1	1.3700	275.00	<0.01	1.81	0.005	10.10	887.000	0.49	3.84	2.280	0.7720	0.07	36	0.1900	3970.00	<0.01	176.00	<0.5	0.01	1.3800	<0.2	30.800	<0.1
X14	5/4/2010	<0.005	26.20	0.51	37.000	<50.0	<0.01	<0.005	81.70	0.05	3.4800	<0.1	1.5300	233.00	<0.01	2.03	0.007	14.90	2290.000	0.43	5.43	6.220	0.5350	0.08	70	0.1800	3000.00	<0.01	263.00	<0.5	0.07	1.4300	<0.2	57.500	<0.1
X14	5/11/2010	<0.005	15.20	0.51	38.000	<50.0	<0.01	0.01	71.90	0.04	2.4400	<0.1	1.1700	236.00	<0.01	1.71	0.007	14.60	1700.000	0.51	4.90	4.530	0.7980	0.09	61	0.2100	3650.00	<0.01	239.00	<0.5	0.07	1.4200	<0.2	42.300	<0.1
X14	5/18/2010	<0.005	24.60	0.41	32.900	<50.0	<0.01	<0.005	53.60	0.07	1.7900	<0.1	1.8000	187.00	<0.01	1.54	0.005	11.40	1260.000	0.42	3.68	3.620	1.9000	0.08	44	0.1500	3840.00	0.02	178.00	<0.5	0.04	1.0300	<0.2	34.900	<0.1
X14	5/25/2010	<0.005	31.60	0.34	26.700	<50.0	<0.01	<0.005	30.30	0.02	0.7750	<0.1	1.5400	136.00	<0.01	0.93	0.003	6.97	561.000	0.24	2.46	1.810	1.7300	0.07	21	0.1300	3400.00	<0.01	105.00	<0.5	0.02	0.5860	<0.2	21.600	<0.1
X14	6/1/2010	<0.005	18.40	0.32	28.500	<50.0	<0.01	0.01	38.70	0.03	1.4700	<0.1	0.7700	138.00	<0.01	0.96	0.004	8.69	984.000	0.30	2.90	2.700	1.8200	0.07	30	0.1300	3460.00	<0.01	138.00	<0.5	0.03	0.7960	<0.2	30.800	<0.1
X14	6/8/2010	<0.005	10.30	0.33	32.200	<50.0	<0.01	<0.005	51.20	0.09	2.0700	<0.1	0.6400	135.00	<0.01	1.16	0.005	11.90	1340.000	0.51	3.83	3.610	0.2480	0.08	41	0.1800	3360.00	<0.01	172.00	<0.5	0.05	1.0600	<0.2	35.900	<0.1
X14	6/15/2010	<0.005	8.40	0.34	33.500	<50.0	<0.01	<0.005	60.90	0.04	2.7000	<0.1	0.5700	173.00	<0.01	1.35	0.006	14.30	1710.000	0.35	4.62	4.480	0.4480	0.08	53	0.1800	4090.00	<0.01	199.00	<0.5	0.05	1.1500	<0.2	46.000	<0.1
X14	6/22/2010	<0.005	6.50	0.37	36.600	<50.0	<0.01	0.01	53.80	0.03	2.5800	<0.1	0.5700	148.00	<0.01	1.41	0.007	14.80	1630.000	0.39	4.66	4.140	0.1860	0.09	53	0.2000	2720.00	<0.01	212.00	<0.5	0.07	1.0500	<0.2	43.600	<0.1
X14	6/29/2010	<0.005	6.60	0.36	36.800	<50.0	<0.01	<0.005	75.00	0.03	3.2200	<0.1	0.6400	165.00	<0.01	1.50	0.006	17.10	1840.000	0.44	5.36	5.130	0.3620	0.10	61	0.1900	4490.00	<0.01	232.00	<0.5	0.08	1.0700	<0.2	45.900	<0.1
X14	6/29/2010	<0.005	6.20	0.34	36.500	<50.0	<0.01	<0.005	74.80	0.04	3.0800	<0.1	0.5700	160.00	<0.01	1.47	0.006	16.80	1820.000	0.46	5.23	4.810	0.2030	0.15	60										

Table C-2: Rose Creek Drainage Water Quality
2010 - Surface Water - Dissolved Metals

Station	Date	Ag-d	Al-d	As-d	Ba-d	B-d	Be-d	Bi-d	Ca-d	Cd-d	Co-d	Cr-d	Cu-d	Fe-d	Hg-d	K-d	Li-d	Mg-d	Mn-d	Mo-d	Na-d	Ni-d	Pb-d	Sb-d	S-d	Se-d	Si-d	Sn-d	Sr-d	Ti-d	Tl-d	U-d	V-d	Zn-d	Zr-d	
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
X2	6/4/2010	<0.005	29.80	0.40	26.200	<50.0	<0.01	<0.005	13.60	0.03	0.0640	<0.1	0.9500	81.00	0.53	0.002	3.40	12.400	0.26	1.56	0.530	1.4800	0.07	<10.0	0.1200	4530.00	<0.01	54.40	<0.5	0.00	0.4540	<0.2	11.700	<0.1		
X2	7/8/2010	0.0060	18.80	0.49	38.800	<50.0	<0.01	0.01	18.90	0.04	0.0600	<0.1	1.3200	95.00	0.59	0.003	3.93	17.000	0.34	1.66	0.710	3.4000	0.10	<10.0	0.1600	4510.00	0.05	86.40	<0.5	0.01	0.6790	<0.2	23.100	<0.1		
X2	8/3/2010	<0.005	12.10	0.60	54.400	<50.0	<0.01	<0.005	26.50	0.02	0.0960	<0.1	0.6400	147.00	0.67	0.005	6.22	35.300	0.56	2.16	0.510	2.3400	0.08	<10.0	0.2000	3840.00	<0.01	119.00	<0.5	0.01	1.1900	<0.2	11.700	<0.1		
X2	9/2/2010	<0.005	6.10	0.50	46.300	<50.0	<0.01	<0.005	30.30	0.07	1.1400	<0.1	0.5600	285.00	1.06	0.004	7.25	124.000	0.52	2.59	1.800	1.4400	0.06	<10.0	0.2200	5320.00	<0.01	122.00	<0.5	0.01	1.1400	<0.2	392.000	<0.1		
X2	10/18/2010	<0.005	4.50	0.42	51.600	<50.0	<0.01	<0.005	31.50	0.02	0.1420	<0.1	0.5000	116.00	0.75	0.005	7.36	68.600	0.62	2.46	0.550	0.8060	0.07	<10.0	0.3400	5360.00	0.07	135.00	<0.5	0.00	1.5100	<0.2	14.400	<0.1		
X2	11/9/2010	<0.005	2.60	0.26	63.100	<50.0	<0.01	<0.005	37.60	0.01	0.1960	<0.1	0.3600	64.00	0.87	0.006	8.03	80.500	0.58	2.61	0.750	0.2680	0.07	<10.0	0.2900	5610.00	<0.01	155.00	<0.5	0.00	1.8600	<0.2	22.600	<0.1		
X2	12/1/2010	<0.005	2.50	0.25	66.100	<50.0	<0.01	<0.005	40.10	0.08	0.1680	<0.1	0.4100	64.00	0.98	0.007	9.31	67.200	0.57	2.97	0.640	0.4070	0.05	<10.0	0.3300	6010.00	<0.01	169.00	<0.5	0.00	1.9700	<0.2	19.000	<0.1		
X2 Average		0.0028	11.99	0.38	55.983	25.00	0.01	0.00	33.54	0.03	0.2310	0.05	0.6817	110.08	0.94	0.006	7.58	62.467	0.61	2.61	0.824	1.0074	0.07	6	0.2942	5258.33	0.01	142.27	0.28	0.00	1.7402	0.10	51.083	0.06		
X2 Max		0.0060	59.20	0.62	77.200	<50.0	0.02	0.01	48.20	0.08	1.1400	<0.1	2.1400	285.00	1.36	0.010	10.70	124.000	1.03	3.60	1.800	3.4000	0.10	11	0.4400	6390.00	0.07	215.00	0.60	0.01	3.1800	<0.2	392.000	0.20		
X2 Min		<0.005	1.60	0.22	26.200	<50.0	<0.01	<0.005	13.60	0.01	0.0600	<0.1	0.2400	48.00	0.53	0.002	3.40	12.400	0.26	1.46	0.510	0.0430	0.05	<10.0	0.1200	3340.00	<0.01	54.40	<0.5	<0.002	0.4540	<0.2	11.700	<0.1		
X2 N > DL		1	12	12	12	0	1	1	12	12	12	0	12	12	12	12	12	12	12	12	12	12	12	2	12	12	2	12	2	12	1	10	12	0	12	1
X2 Median		<0.005	3.65	0.33	58.750	<50.0	<0.01	<0.005	34.55	0.02	0.1675	<0.1	0.4850	72.50	1.02	0.005	7.70	70.700	0.58	2.60	0.690	0.6335	0.07	<10.0	0.3100	5485.00	<0.01	145.00	<0.5	0.00	1.6850	<0.2	22.700	<0.1		
X22b	1/11/2010	<0.03	7.00	0.20	17.400	<300.0	0.07	<0.03	160.00	17.80	56.2000	<0.5	7.9000	<5.0	8.73	0.065	82.40	3370.000	0.70	22.20	143.000	0.4300	0.40	238	<0.2	4070.00	<0.05	641.00	<3.0	0.49	1.2800	<1.0	23100.000	<0.5		
X22b	2/22/2010	<0.03	11.00	0.20	22.200	<300.0	0.25	<0.03	150.00	29.10	47.9000	<0.5	9.1000	6.00	7.47	0.056	80.10	2730.000	0.60	17.20	138.000	1.3200	0.20	235	<0.2	7280.00	<0.05	571.00	<3.0	0.38	1.5000	<1.0	27600.000	<0.5		
X22b	3/10/2010	<0.03	10.00	0.20	22.500	<300.0	0.22	<0.03	140.00	25.80	47.0000	<0.5	15.0000	6.00	7.40	0.058	77.00	2690.000	0.60	17.30	137.000	0.8200	0.20	199	0.3000	6190.00	0.07	557.00	<3.0	0.39	1.6300	<1.0	27300.000	<0.5		
X22b	4/13/2010	0.0400	7.00	0.20	22.900	<300.0	0.11	<0.03	130.00	9.47	40.9000	<0.5	0.8000	<5.0	6.70	0.059	68.80	2320.000	0.70	15.80	110.000	0.4600	0.30	186	<0.2	5340.00	<0.05	574.00	<3.0	0.36	3.1600	<1.0	19000.000	<0.5		
X22b	5/3/2010	<0.005	1.90	<0.02	13.000	<50.0	0.02	<0.005	39.10	4.51	8.9500	<0.1	3.5900	5.00	1.90	0.013	15.50	559.000	0.14	3.98	24.200	0.8210	0.07	57	0.0600	1250.00	<0.01	159.00	<0.5	0.10	0.2210	<0.2	3610.000	<0.1		
X22b	6/4/2010	0.0700	33.00	0.20	16.800	<300.0	0.08	<0.03	145.00	17.50	50.7000	<0.5	12.0000	9.00	7.90	0.057	79.30	2920.000	0.50	19.70	125.000	0.1400	0.30	222	<0.2	4340.00	<0.05	590.00	<3.0	0.41	1.2100	<1.0	21200.000	<0.5		
X22b	7/10/2010	<0.03	21.00	0.20	16.700	<300.0	<0.05	<0.03	139.00	16.80	51.9000	<0.5	7.5000	16.00	8.00	0.058	74.30	3030.000	0.40	18.50	130.000	2.1700	0.20	206	<0.2	3780.00	0.06	622.00	<3.0	0.48	1.2200	<1.0	21700.000	<0.5		
X22b	8/3/2010	0.0140	1.90	0.13	16.200	<50.0	0.02	<0.005	138.00	15.60	51.0000	<0.1	5.8500	15.00	7.55	0.056	75.20	2750.000	0.55	18.50	125.000	0.6270	0.24	274	0.1500	3410.00	<0.01	608.00	<0.5	0.40	1.2200	<0.2	17900.000	<0.1		
X22b	9/1/2010	0.0110	2.60	0.14	17.000	<50.0	0.05	<0.005	137.00	16.90	55.2000	<0.1	6.0300	8.00	8.44	0.059	77.70	3090.000	0.50	19.60	142.000	0.8740	0.20	229	0.0900	3330.00	0.04	623.00	<0.5	0.46	1.2100	<0.2	20700.000	<0.1		
X22b	10/20/2010	0.0210	3.60	0.14	16.200	<50.0	0.05	<0.005	152.00	16.30	55.0000	<0.1	4.7700	13.00	9.62	0.062	80.20	3100.000	0.55	20.90	138.000	0.2650	0.27	265	0.1600	3650.00	0.02	658.00	<0.5	0.45	1.1600	<0.2	19100.000	<0.1		
X22b	11/8/2010	<0.03	4.00	<0.1	15.700	<300.0	<0.05	<0.03	143.00	15.00	53.4000	<0.5	3.6000	9.00	8.60	0.062	77.50	3350.000	0.50	20.70	145.000	0.2400	0.20	249	<0.2	3750.00	<0.05	608.00	<3.0	0.42	1.1200	<1.0	21400.000	<0.5		
X22b	12/1/2010	<0.03	6.00	<0.1	16.000	<300.0	<0.05	<0.03	153.00	16.60	53.4000	<0.5	5.3000	13.00	8.90	0.062	81.90	3420.000	0.60	20.70	141.000	0.0700	0.20	269	<0.2	4060.00	<0.05	649.00	<3.0	0.44	1.2100	<1.0	21700.000	<0.5		
X22b Average		0.0207	9.08	0.14	17.717	108.33	0.08	0.01	135.51	16.78	47.6292	0.18	6.7867	8.75	7.60	0.056	72.49	2777.417	0.53	17.92	124.850	0.6864	0.23	219	0.1217	4204.17	0.03	571.67	1.08	0.40	1.3451	0.37	20359.167	0.18		
X22b Max		0.0700	33.00	0.20	22.900	<300.0	0.25	<0.03	160.00	29.10	56.2000	<0.5	15.0000	16.00	9.62	0.065	82.40	3420.000	0.70	22.20	145.000	2.1700	0.40	274	0.3000	7280.00	0.07	658.00	<3.0	0.49	3.1600	<1.0	27600.000	<0.5		
X22b Min		<0.005	1.90	<0.02	13.000	<50.0	0.02	<0.005	39.10	4.51	8.9500	<0.1	0.8000	<5.0	1.90	0.013	15.50	559.000	0.14	3.98	24.200	0.0700	0.07	57	0.0600	1250.00	<0.01	159.00	<0.5	0.10	0.2210	<0.2	3610.000	<0.1		
X22b N > DL		5	12	9	12	0	9	0	12	12	12	0	12	10	12	12	12	12	12	12	12	12	12	5	12	5	12	4	12	0	12	12	0	12	0	
X22b Median		<0.03	6.50	0.17	16.750	<300.0	0.10	<0.03	141.50	16.70	51.4500	<0.5	5.9400	8.50	7.95	0.059	77.60	2975.000	0.55	19.05	137.500	0.5435	0.20	232	<0.2	3920.00	<0.05	608.00	<3.0	0.42	1.2150	<1.0	21300.000	<0.5		
X3	1/11/2010	<0.005	1.50	0.23	66.200	<50.0	<0.01	<0.005	45.80	0.01	0.1000	<0.1	0.3700	30.00	1.15	0.007	10.40	51.600	0.74	3.28	0.630	0.0970	0.07	11	0.4000	6180.00	<0.01	186.00	<0.5	<0.002	2.5600	<0.2	21.200	<0.1		
X3	2/22/2010	<0.005	1.70	0.20	69.100	<50.0	<0.01	<0.005	47.80	0.01	0.1050	<0.1	0.2900	28.00	1.19	0.008	10.60	48.800	0.75	3.38	0.580	0.0410	0.05	11	0.3900	6170.00	<0.01	199.00	<0.5	<0.002	2.6800	<0.2	20.000	<0.1		
X3	3/9/2010	<0.005	1.40	0.19	67.400	<50.0	<0.01	<0.005	46.00	0.05	0.2880	<0.1	0.4200	24.00	1.17	0.008	11.10	123.000	0.79	3.31	2.080	0.0810	0.06	13	0.4000	5390.00	<0.01	196.00	<0.5	<0.002	2.8800	<0.2	159.000	<0.1		
X3	4/14/2010	<0.005	1.80	0.21	70.200	<50.0	<0.01	<0.005	47.80	0.02	0.1380	<0.1	0.2400	30.00	1.17	0.009	10.60	55.200	0.87	3.5																

Table C-2: Rose Creek Drainage Water Quality
2010 - Surface Water - Dissolved Metals

Station	Date	Ag-d	Al-d	As-d	Ba-d	B-d	Be-d	Bi-d	Ca-d	Cd-d	Co-d	Cr-d	Cu-d	Fe-d	Hg-d	K-d	Li-d	Mg-d	Mn-d	Mo-d	Na-d	Ni-d	Pb-d	Sb-d	S-d	Se-d	Si-d	Sn-d	Sr-d	Ti-d	Tl-d	U-d	V-d	Zn-d	Zr-d
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
X4	7/10/2010	<0.05	816.00	6.60	10.100	<500.0	0.30	<0.05	231.00	21.30	156.00000	<1.0	195.0000	57400.00	4.70	0.022	92.00	25800.000	<0.5	13.80	137.000	2830.0000	1.00	348	<0.4	5590.00	2.00	935.00	<5.0	3.67	2.4900	<2.0	51000.000	<1.0	
X4	8/3/2010	<0.05	773.00	2.30	8.000	<500.0	<0.1	<0.05	200.00	21.10	133.00000	2.00	177.0000	46500.00	3.90	0.022	76.00	21700.000	<0.5	11.70	122.000	2680.0000	0.50	408	<0.4	4810.00	<0.1	770.00	<5.0	2.95	2.4800	<2.0	42300.000	<1.0	
X4	9/2/2010	0.0100	791.00	4.25	6.120	<50.0	0.25	<0.005	228.00	20.60	148.00000	1.00	187.0000	48000.00	4.14	0.023	79.60	24200.000	<0.05	12.80	132.000	2560.0000	0.66	381	<0.04	6020.00	0.06	816.00	2.80	3.63	2.9300	<0.2	42700.000	<0.1	
X4	10/20/2010	<0.03	46.00	0.30	7.800	<300.0	<0.05	<0.03	212.00	5.81	93.10000	<0.5	13.4000	57400.00	4.20	0.019	59.10	18400.000	<0.3	11.80	80.400	43.3000	0.40	332	<0.2	5780.00	<0.05	744.00	<3.0	1.01	0.4200	<1.0	21000.000	<0.5	
X4	11/8/2010	<0.03	652.00	3.60	5.100	<300.0	0.21	<0.03	227.00	16.90	138.00000	0.90	142.0000	50900.00	4.10	0.022	73.00	23800.000	<0.3	12.60	123.000	1560.0000	0.50	401	<0.2	6340.00	<0.05	799.00	<3.0	2.56	2.0500	<1.0	37700.000	<0.5	
X4	12/1/2010	<0.03	3.00	0.30	6.400	<300.0	<0.05	<0.03	194.00	2.33	67.50000	<0.5	1.2000	84300.00	3.60	0.015	34.50	17300.000	<0.3	9.90	57.300	0.0600	0.50	263	<0.2	6390.00	<0.05	597.00	<3.0	0.43	0.8800	<1.0	10300.000	<0.5	
X4 Average		0.0271	455.04	1.73	11.418	202.08	0.12	0.02	207.67	12.98	113.46667	0.64	93.2125	68633.33	3.86	0.020	65.88	19727.500	0.20	11.58	100.892	1009.7808	0.36	334	0.1517	5630.00	0.21	729.25	2.53	1.60	1.7817	0.76	33002.500	0.38	
X4 Max		<0.1	876.00	6.60	21.400	<1,000.0	0.30	<0.1	260.00	21.30	163.00000	<2.0	195.0000	121000.00	4.70	0.028	107.00	25800.000	<1.0	16.60	153.000	2830.0000	1.00	446	<0.8	7040.00	2.00	946.00	<10.0	3.67	2.9300	<4.0	60000.000	<2.0	
X4 Min		0.0100	<1.0	<0.1	5.100	<50.0	<0.05	<0.005	113.00	0.74	59.30000	<0.5	<0.3	40700.00	1.80	0.011	26.40	9030.000	<0.05	5.40	49.100	0.0600	<0.1	205	<0.04	2250.00	<0.05	411.00	2.80	0.12	0.4200	<0.2	7630.000	<0.1	
X4 N > DL		2	11	10	12	0	6	0	12	12	12	3	11	12	0	12	12	12	0	12	12	12	7	12	0	12	2	12	2	12	12	0	12	0	
X4 Median		<0.03	522.50	0.07	10.800	<300.0	0.09	<0.03	213.50	14.90	128.00000	0.70	100.9000	58750.00	4.00	0.022	73.05	20150.000	<0.3	12.20	115.500	591.5000	0.30	365	<0.2	5915.00	0.03	768.00	3.75	1.22	1.9300	<1.0	37300.000	<0.5	
X5	3/22/2010	<0.005	1.10	0.18	47.800	<50.0	<0.01	<0.005	382.00	0.14	16.70000	<0.1	0.4000	117.00	<0.01	8.36	0.029	82.10	11400.000	1.32	29.80	24.600	0.1340	0.23	407	0.2100	6960.00	<0.01	1220.00	<0.5	0.26	7.3900	<0.2	410.000	<0.1
X5	3/30/2010	<0.03	3.00	0.20	38.800	<300.0	<0.05	<0.03	300.00	0.12	22.60000	<0.5	0.5000	55.00	<0.05	5.60	0.024	73.60	12500.000	1.00	26.80	34.500	0.2600	0.30	309	<0.2	6200.00	<0.05	888.00	<3.0	0.19	6.1500	<1.0	399.000	<0.5
X5	4/6/2010	<0.03	<1.0	0.20	38.700	<300.0	<0.05	<0.03	320.00	0.10	25.40000	<0.5	0.4000	24.00	<0.05	5.80	0.023	70.80	14900.000	0.90	25.00	39.400	0.0500	0.20	346	<0.2	6200.00	<0.05	924.00	<3.0	0.18	5.6200	<1.0	403.000	<0.5
X5	4/13/2010	0.0400	2.00	0.20	32.100	<300.0	<0.05	<0.03	319.00	0.14	17.00000	<0.5	0.5000	102.00	<0.05	5.20	0.021	55.20	9880.000	0.80	20.40	25.000	0.1700	0.20	289	<0.2	4500.00	<0.05	952.00	<3.0	0.18	5.1100	<1.0	278.000	<0.5
X5	4/20/2010	<0.03	3.00	<0.1	23.000	<300.0	<0.05	<0.03	355.00	0.11	24.10000	<0.5	<0.3	24.00	<0.05	5.50	0.021	55.90	13400.000	0.60	22.20	35.200	1.0000	<0.1	314	0.3000	4110.00	<0.05	996.00	<3.0	0.17	3.3900	<1.0	252.000	<0.5
X5	4/27/2010	<0.03	3.00	<0.1	25.300	<300.0	<0.05	<0.03	258.00	0.11	6.89000	<0.5	0.7000	24.00	<0.05	4.40	0.022	40.10	4420.000	0.70	16.20	11.000	0.2000	0.20	257	<0.2	3020.00	<0.05	730.00	<3.0	0.16	2.7900	<1.0	199.000	<0.5
X5	5/4/2010	0.0700	6.00	0.20	20.100	<300.0	<0.05	<0.03	276.00	0.16	17.70000	<0.5	0.8000	23.00	<0.05	4.80	0.026	47.70	9700.000	0.60	17.70	27.400	4.4600	0.20	293	<0.2	2860.00	<0.05	816.00	<3.0	0.35	2.2500	<1.0	318.000	<0.5
X5	5/11/2010	<0.005	4.30	0.12	18.100	<50.0	<0.01	0.01	266.00	0.09	12.40000	<0.1	0.5700	21.00	<0.01	5.03	0.026	51.80	7130.000	0.55	16.90	17.600	0.8020	0.14	326	0.1900	3040.00	<0.01	795.00	<0.5	0.39	2.0300	<0.2	178.000	<0.1
X5	5/18/2010	<0.03	10.00	0.20	17.100	<300.0	<0.05	<0.03	230.00	0.13	10.90000	<0.5	0.7000	39.00	<0.05	4.60	0.027	48.30	6150.000	0.60	14.70	16.100	0.6900	<0.1	245	<0.2	2530.00	0.08	702.00	<3.0	0.41	1.6500	<1.0	179.000	<0.5
X5	5/25/2010	<0.03	4.00	<0.1	18.300	<300.0	<0.05	<0.03	238.00	0.16	11.20000	<0.5	<0.3	27.00	<0.05	4.60	0.025	53.10	6270.000	0.40	16.60	17.000	0.6600	<0.1	273	<0.2	2740.00	<0.05	669.00	<3.0	0.33	1.8000	<1.0	216.000	<0.5
X5	6/1/2010	0.0500	6.00	0.20	20.000	<300.0	<0.05	<0.03	271.00	0.14	18.90000	<0.5	0.4000	30.00	<0.05	5.20	0.029	63.00	10500.000	0.60	18.20	28.300	0.6700	<0.1	281	<0.2	3380.00	<0.05	825.00	<3.0	0.38	2.4400	<1.0	303.000	<0.5
X5	6/8/2010	<0.03	3.00	0.20	20.200	<300.0	<0.05	<0.03	312.00	0.14	22.50000	<0.5	0.4000	13.00	<0.05	6.40	0.034	72.10	12300.000	0.70	21.90	32.700	0.2600	<0.1	290	<0.2	3290.00	<0.05	931.00	<3.0	0.47	2.4600	<1.0	316.000	<0.5
X5	6/15/2010	<0.03	8.00	0.20	18.500	<300.0	<0.05	<0.03	299.00	0.15	22.70000	<0.5	0.8000	90.00	<0.05	6.10	0.035	73.80	12300.000	0.50	22.00	34.000	1.0700	0.20	365	<0.2	3800.00	<0.05	900.00	<3.0	0.46	1.7200	<1.0	323.000	<0.5
X5	6/22/2010	<0.005	1.80	0.20	16.700	<50.0	<0.01	<0.005	263.00	0.15	18.30000	<0.1	0.4000	19.00	<0.01	6.33	0.036	67.20	9990.000	0.59	19.80	25.100	0.1750	0.18	349	0.1200	2470.00	<0.01	927.00	<0.5	0.47	1.9000	<0.2	221.000	<0.1
X5	6/29/2010	<0.005	1.60	0.21	17.000	<50.0	<0.01	<0.005	295.00	0.14	22.10000	<0.1	0.3400	32.00	<0.01	6.25	0.055	74.70	11200.000	0.55	21.80	29.400	0.0490	0.20	354	0.1200	3870.00	<0.01	928.00	<0.5	0.50	1.8700	<0.2	218.000	<0.1
X5	7/6/2010	<0.03	6.00	0.30	16.600	<300.0	<0.05	<0.03	317.00	0.13	20.90000	<0.5	0.4000	19.00	<0.05	6.90	0.038	82.50	11200.000	0.70	23.70	28.800	0.7600	0.30	353	0.3000	3290.00	0.06	948.00	<3.0	0.58	1.8400	<1.0	226.000	<0.5
X5	7/13/2010	<0.03	10.00	0.20	15.200	<300.0	<0.05	<0.03	334.00	0.13	19.60000	<0.5	1.0000	44.00	<0.05	7.00	0.040	79.60	10400.000	0.70	23.80	30.000	1.6500	0.20	402	<0.2	3560.00	<0.05	969.00	<3.0	0.51	1.6300	<1.0	218.000	<0.5
X5	7/20/2010	<0.03	5.00	0.70	15.100																														

Table C-3: Rose Creek Drainage Water Quality
2010 - Surface Water - Total Metals

Station	Date	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	Li	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr	
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
ETA Combined	9/2/2010	0.3000	2580.00	38.100	<1000.0	15.500	1.00	<0.1	472.00	71.10	1070.0000	<2.0	105.0000	588000.00	14.00	0.15	738.00	90100.000	<1.0	66.00	1000.000	188.0000	2040.00	0.50	<0.8	14100.00	<0.2	3670.00	20.00	1.51	5.7700	<4.0	445000.000	<2.0		
ETA Combined	10/20/2010	<0.5	1400.00	26.000	<5000.0	16.000	<1.0	<0.5	386.00	33.90	978.0000	11.00	22.0000	1020000.00	12.00	0.14	641.00	90200.000	<5.0	55.00	884.000	52.6000	2340.00	<2.0	<4.0	15400.00	<1.0	3930.00	<50.0	0.40	4.8000	<20.0	462000.000	<10.0		
ETA Combined	11/8/2010	<0.5	1060.00	27.000	<5000.0	13.000	<1.0	<0.5	435.00	8.10	995.0000	<10.0	<5.0	1270000.00	12.00	0.13	678.00	90000.000	<5.0	67.00	924.000	21.7000	2380.00	4.00	8.0000	16700.00	<1.0	3730.00	<50.0	0.50	5.0000	<20.0	460000.000	<10.0		
ETA Combined	12/1/2010	0.2000	943.00	23.000	<1000.0	12.800	0.90	<0.1	419.00	7.70	930.0000	<2.0	2.0000	1180000.00	12.00	0.13	649.00	82200.000	<1.0	66.00	799.000	14.2000	2210.00	<0.4	<0.8	15300.00	<0.2	3670.00	<10.0	0.28	5.1300	<4.0	411000.000	<2.0		
ETA Combined Average		0.2500	1495.75	28.525	1500.00	14.325	0.73	0.15	428.00	30.20	993.2500	4.50	32.8750	1014500.00	12.50	0.14	676.50	88125.000	1.50	63.50	901.750	69.1250	2242.50	1.43	2.7000	15375.00	0.30	3750.00	18.75	0.67	5.1750	6.00	444500.000	3.00		
ETA Combined Max		<0.5	2580.00	38.100	<5000.0	16.000	1.00	<0.5	472.00	71.10	1070.0000	11.00	105.0000	1270000.00	14.00	0.15	738.00	90200.000	<5.0	67.00	1000.000	188.0000	2380.00	4.00	8.0000	16700.00	<1.0	3930.00	<50.0	1.51	5.7700	<20.0	462000.000	<10.0		
ETA Combined Min		0.2000	943.00	23.000	<1,000.0	12.800	0.90	<0.1	386.00	7.70	930.0000	<2.0	2.0000	588000.00	12.00	0.13	641.00	82200.000	<1.0	55.00	799.000	14.2000	2040.00	<0.4	<0.8	14100.00	<0.2	3670.00	<10.0	0.28	4.8000	<4.0	411000.000	<2.0		
ETA Combined N > DL		2	4	4	0	4	2	0	4	4	4	1	3	4	0	4	4	4	4	0	4	4	4	4	4	2	1	4	0	4	1	4	4	0	4	0
ETA Combined Median		0.3250	1230.00	26.500	1500.00	14.250	0.75	0.15	427.00	21.00	986.5000	3.00	12.2500	1100000.00	12.00	0.13	663.50	90050.000	1.50	66.00	904.000	37.1500	2275.00	1.13	1.2000	15350.00	0.30	3700.00	22.50	0.45	5.0650	6.00	452500.000	3.00		
FAROCR	5/3/2010	0.0100	332.00	0.740	<50.0	28.700	0.07	0.01	7.40	0.13	0.2890	0.50	6.5200	383.00	0.71	0.00	1.67	10.800	0.26	1.46	3.790	15.2000	<10.0	0.14	0.1200	4880.00	0.11	37.20	9.80	0.02	0.5670	0.60	30.100	0.30		
FAROCR	6/5/2010	<0.005	113.00	0.240	<50.0	13.800	0.03	<0.005	3.86	0.03	0.0400	0.20	1.4600	58.00	0.25	0.00	0.95	1.180	0.14	1.53	0.790	2.9400	<10.0	0.05	0.0900	6370.00	<0.01	21.20	1.40	0.01	0.2630	<0.2	5.700	0.20		
FAROCR	7/8/2010	<0.005	63.30	0.350	<50.0	22.000	0.03	0.03	6.45	0.03	0.0390	<0.1	1.4300	60.00	0.28	0.00	1.44	1.200	0.26	1.81	0.860	2.9500	<10.0	0.07	0.1900	7760.00	<0.01	34.70	1.90	0.01	0.2940	<0.2	7.200	<0.1		
FAROCR	8/3/2010	<0.005	24.70	0.490	<50.0	32.000	<0.01	<0.005	9.76	0.04	0.0240	<0.1	1.2500	21.00	0.42	0.00	2.50	0.710	0.72	2.15	1.050	1.2300	<10.0	0.11	0.4300	6170.00	<0.01	52.70	<0.5	0.01	0.5400	<0.2	5.900	<0.1		
FAROCR	9/1/2010	<0.005	19.70	0.450	<50.0	27.000	<0.01	<0.005	9.06	0.02	0.0340	<0.1	0.9500	17.00	0.37	0.00	2.47	0.320	0.65	2.20	0.970	0.7340	<10.0	0.13	0.3800	6160.00	<0.01	50.50	<0.5	0.01	0.5470	<0.2	4.100	<0.1		
FAROCR	10/19/2010	<0.005	15.80	0.320	<50.0	24.400	<0.01	<0.005	9.30	0.03	0.0240	<0.1	0.7900	15.00	0.35	0.00	2.50	0.340	0.63	2.27	0.850	0.7770	<10.0	0.07	0.3800	6900.00	<0.01	47.80	<0.5	0.01	0.5460	<0.2	6.300	<0.1		
FAROCR Average		0.0038	94.75	0.432	25.00	24.650	0.02	0.01	7.64	0.05	0.0750	0.15	2.0667	92.33	0.40	0.00	1.92	2.425	0.44	1.90	1.385	3.9718	5.00	0.10	0.2650	6373.33	0.02	40.68	2.31	0.01	0.4595	0.18	9.883	0.12		
FAROCR Max		0.0100	332.00	0.740	<50.0	32.000	0.07	0.03	9.76	0.13	0.2890	0.50	6.5200	383.00	0.71	0.00	2.50	10.800	0.72	2.27	3.790	15.2000	<10.0	0.14	0.4300	7760.00	0.11	52.70	9.80	0.02	0.5670	0.60	30.100	0.30		
FAROCR Min		<0.005	15.80	0.240	<50.0	13.800	<0.01	<0.005	3.86	0.02	0.0240	<0.1	0.7900	15.00	0.25	0.00	0.95	0.320	0.14	1.46	0.790	0.7340	<10.0	0.05	0.0900	4880.00	<0.01	21.20	<0.5	0.01	0.2630	<0.2	4.100	<0.1		
FAROCR N > DL		1	6	6	0	6	3	2	6	6	6	2	6	6	0	6	6	6	6	6	6	6	6	0	6	6	6	1	6	3	6	6	1	6	6	2
FAROCR Median		<0.005	44.00	0.400	<50.0	25.700	0.02	0.00	8.23	0.03	0.0365	0.00	1.3400	39.50	0.36	0.00	2.07	0.945	0.45	1.98	0.915	2.0850	<10.0	0.09	0.2850	6270.00	<0.01	42.50	0.95	0.01	0.5430	<0.2	6.100	0.00		
FCO	6/16/2010	<0.005	176.00	0.110	<50.0	35.200	0.11	0.01	12.10	1.87	1.9900	0.20	33.7000	115.00	0.51	0.01	3.96	34.400	<0.05	2.61	7.260	1.4500	14.00	0.06	<0.04	7810.00	<0.01	63.10	<0.5	0.01	0.1700	<0.2	1150.000	<0.1		
FCO	10/7/2010	<0.005	635.00	0.080	<50.0	36.100	0.15	<0.005	12.40	1.79	2.4600	0.30	53.0000	254.00	0.46	0.00	3.91	41.500	0.21	2.98	7.120	0.4820	13.00	0.04	<0.04	7620.00	<0.01	64.80	<0.5	0.00	0.2830	<0.2	1210.000	<0.1		
FCO Average		0.0025	405.50	0.095	25.00	35.650	0.13	0.01	12.25	1.83	2.2250	0.25	43.3500	184.50	0.49	0.00	3.94	37.950	0.12	2.80	7.190	0.9660	13.50	0.05	0.0200	7715.00	0.01	63.95	0.25	0.01	0.2265	0.10	1180.000	0.05		
FCO N > DL		0	2	2	0	2	2	1	2	2	2	2	2	2	0	2	2	2	2	1	2	2	2	2	2	0	2	0	2	0	2	2	2	0	2	0
FCS-4	9/2/2010	<0.1	2120.00	16.400	<1000.0	13.900	0.30	<0.1	476.00	13.80	434.0000	<2.0	53.0000	283000.00	12.00	0.11	738.00	66800.000	<1.0	68.00	441.000	327.0000	1690.00	0.80	<0.8	10600.00	<0.2	3510.00	37.00	1.02	6.9400	<4.0	157000.000	<2.0		
FCS-4	10/20/2010	<0.5	1420.00	21.000	<5000.0	16.000	<1.0	<0.5	458.00	26.70	963.0000	<10.0	28.0000	973000.00	14.00	0.15	800.00	95300.000	<5.0	70.00	874.000	83.7000	2480.00	<2.0	<4.0	14400.00	<1.0	4140.00	<50.0	0.50	7.2000	<20.0	435000.000	<10.0		
FCS-4	11/10/2010	<0.5	1090.00	17.000	<5000.0	19.000	<1.0	<0.5	465.00	10.10	828.0000	<10.0	10.0000	999000.00	13.00	0.14	787.00	87000.000	10.00	75.00	780.000	72.3000	2390.00	<2.0	<4.0	15800.00	<1.0	3900.00	<50.0	0.40	8.0000	<20.0	388000.000	<10.0		
FCS-4	12/2/2010	0.2000	749.00	15.600	<1000.0	12.000	0.60	0.20	438.00	9.20	798.0000	<2.0	7.0000	926000.00	12.00	0.12	702.00	80400.000	<1.0	69.00	731.000	39.5000	2190.00	<0.4	<0.8	13600.00	<0.2	3650.00	<10.0	0.32	7.4500	<4.0	350000.000	<2.0		
FCS-4 Average		0.1875	1344.75	17.500	1500.00	15.225	0.48	0.19	459.25	14.95	755.7500	3.00	24.5000	795250.00	12.75	0.13	756.75	82375.000	3.38	70.50	706.500	130.6250	2187.50	0.75	1.2000	13600.00	0.30	3800.00	23.00	0.56	7.3975	6.00	332500.000	3.00		
FCS-4 Max		<0.5	2120.00	21.000	<5000.0	19.000	<1.0	<0.5	476.00	26.70	963.0000	<10.0	53.0000																							

Table C-3: Rose Creek Drainage Water Quality
2010 - Surface Water - Total Metals

Station	Date	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	Li	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NF2	2/23/2010	<0.005	3.30	0.430	<50.0	77.400	<0.01	<0.005	46.90	0.02	0.0940	<0.1	0.4700	64.00	1.10	0.01	9.95	15.200	0.88	3.52	0.390	0.1470	7.00	0.07	0.4700	6180.00	<0.01	198.00	<0.5	<0.002	2.9000	<0.2	12.200	<0.1	
NF2	3/10/2010	<0.005	3.40	0.440	<50.0	70.000	<0.01	<0.005	43.80	0.01	0.1180	<0.1	0.2600	80.00	1.05	0.01	9.08	16.900	0.95	3.27	0.380	0.1750	<10.0	0.06	0.5300	6740.00	<0.01	185.00	<0.5	<0.002	2.9300	<0.2	12.800	<0.1	
NF2	4/14/2010	<0.005	5.00	0.390	<50.0	73.300	<0.01	<0.005	42.80	0.02	0.1420	<0.1	0.6700	69.00	1.04	0.01	8.43	19.400	0.94	3.12	0.500	0.3210	<10.0	0.07	0.4500	5860.00	<0.01	196.00	<0.5	<0.002	2.9900	<0.2	16.600	<0.1	
NF2	5/3/2010	<0.005	117.00	0.830	<50.0	38.000	0.02	<0.005	17.30	0.09	0.1990	<0.1	4.3900	378.00	1.37	0.00	3.35	32.000	0.38	3.07	1.470	3.8000	<10.0	0.09	0.1700	3810.00	0.03	75.80	1.80	0.01	0.6250	<0.2	41.200	0.20	
NF2	6/4/2010	<0.005	125.00	0.520	<50.0	28.800	<0.01	0.01	13.70	0.02	0.0880	0.30	1.1100	181.00	0.54	0.00	3.26	17.500	0.26	1.54	0.950	1.6900	<10.0	0.07	0.1300	4650.00	<0.01	55.80	2.20	0.00	0.4970	<0.2	6.500	<0.1	
NF2	7/8/2010	<0.005	38.80	0.570	<50.0	40.400	<0.01	0.01	18.80	0.02	0.0730	<0.1	0.7900	152.00	0.48	0.00	4.40	17.600	0.37	1.71	0.460	1.2900	<10.0	0.09	0.1700	4720.00	<0.01	86.00	1.00	0.00	0.7290	<0.2	5.800	<0.1	
NF2	8/3/2010	<0.005	36.10	0.790	<50.0	55.000	<0.01	<0.005	26.10	0.03	0.1580	<0.1	0.6800	275.00	0.65	0.00	5.80	43.700	0.57	2.10	0.570	4.7900	<10.0	0.07	0.2500	4180.00	<0.01	116.00	1.60	0.01	1.1900	<0.2	9.700	<0.1	
NF2	9/1/2010	<0.005	10.40	0.660	<50.0	48.200	<0.01	<0.005	28.00	0.01	0.0760	<0.1	0.4600	181.00	0.62	0.00	5.86	26.000	0.53	2.15	0.400	0.2920	<10.0	0.06	0.2200	4580.00	<0.01	121.00	<0.5	<0.002	1.1900	<0.2	7.700	<0.1	
NF2	10/18/2010	<0.005	12.50	0.550	<50.0	53.000	<0.01	<0.005	32.60	0.01	0.1160	<0.1	0.4100	209.00	0.75	0.00	7.10	43.400	0.53	2.50	0.440	0.7390	<10.0	0.06	0.3200	5660.00	0.03	135.00	<0.5	0.00	1.5200	<0.2	9.900	<0.1	
NF2	11/9/2010	<0.005	12.40	0.400	<50.0	64.900	<0.01	<0.005	36.30	0.04	0.2520	<0.1	0.4100	228.00	0.82	0.01	7.64	76.200	0.62	2.57	0.900	1.1800	<10.0	0.14	0.4600	5570.00	0.02	157.00	<0.5	0.00	1.9400	<0.2	51.000	<0.1	
NF2	12/1/2010	<0.005	7.90	0.390	<50.0	65.100	<0.01	<0.005	38.10	0.02	0.1390	<0.1	0.3700	143.00	0.91	0.01	8.31	37.400	0.59	2.83	0.470	0.3790	<10.0	0.06	0.3400	5780.00	<0.01	163.00	<0.5	<0.002	2.0100	<0.2	13.500	<0.1	
NF2 Average		0.0025	31.33	0.533	25.00	57.008	0.01	0.00	32.29	0.02	0.1273	0.07	0.8625	170.17	0.86	0.01	6.87	30.117	0.62	2.63	0.612	1.2558	5.42	0.08	0.3283	5335.00	0.01	138.80	0.72	0.00	1.7534	0.10	16.367	0.06	
NF2 Max		<0.005	125.00	0.830	<50.0	77.400	0.02	0.01	46.90	0.09	0.2520	0.30	4.3900	378.00	1.37	0.01	9.95	76.200	0.95	3.52	1.470	4.7900	<10.0	0.14	0.5300	6740.00	0.03	198.00	2.20	0.01	2.9900	<0.2	51.000	0.20	
NF2 Min		<0.005	3.30	0.390	<50.0	28.800	<0.01	<0.005	13.70	0.01	0.0730	<0.1	0.2600	64.00	0.48	0.00	3.26	15.200	0.26	1.54	0.380	0.1470	7.00	0.06	0.1300	3810.00	<0.01	55.80	<0.5	<0.002	0.4970	<0.2	5.800	<0.1	
NF2 N > DL		0	12	12	0	12	1	2	12	12	12	1	12	12	12	12	12	12	12	12	12	12	2	12	12	12	12	3	12	4	6	12	0	12	1
NF2 Median		<0.005	11.40	0.480	<50.0	59.950	<0.01	<0.005	34.45	0.02	0.1170	<0.1	0.4650	166.50	0.87	0.01	7.37	22.700	0.58	2.70	0.465	0.5590	<10.0	0.07	0.3300	5615.00	<0.01	146.00	<0.5	0.00	1.7300	<0.2	11.050	<0.1	
NFRC SC-1	1/12/2010	<0.005	4.90	0.410	<50.0	69.400	<0.01	<0.005	43.70	0.01	0.0920	<0.1	0.3900	97.00	1.01	0.01	9.30	25.700	0.77	3.25	0.540	0.3080	7.00	0.07	0.4400	6320.00	<0.01	176.00	<0.5	<0.002	2.5000	<0.2	10.200	<0.1	
NFRC SC-1	2/23/2010	<0.005	3.80	0.450	<50.0	77.200	<0.01	<0.005	46.20	0.02	0.1050	<0.1	0.3400	90.00	1.11	0.01	9.93	30.300	0.81	3.53	0.450	0.2050	8.00	0.06	0.4500	6220.00	<0.01	195.00	<0.5	<0.002	2.9200	<0.2	12.700	<0.1	
NFRC SC-1	3/10/2010	<0.005	6.60	0.490	<50.0	71.600	<0.01	<0.005	45.80	0.01	0.1490	<0.1	0.3000	120.00	1.09	0.01	9.48	42.800	0.91	3.41	0.480	0.5090	<10.0	0.06	0.4500	5750.00	<0.01	194.00	<0.5	<0.002	3.0700	<0.2	14.000	<0.1	
NFRC SC-1	4/14/2010	<0.005	2.80	0.420	<50.0	71.800	<0.01	<0.005	43.10	0.02	0.1610	<0.1	0.2300	108.00	1.04	0.01	8.64	40.800	0.91	3.12	0.520	0.1970	<10.0	0.05	0.4500	5800.00	<0.01	197.00	<0.5	<0.002	2.9800	<0.2	16.700	<0.1	
NFRC SC-1	5/3/2010	<0.005	92.70	0.850	<50.0	36.100	0.02	0.01	16.50	0.05	0.1490	<0.1	2.2800	329.00	1.27	0.00	3.27	25.600	0.38	1.39	1.350	2.3300	<10.0	0.07	0.1700	3570.00	<0.01	74.00	1.20	0.01	0.6300	<0.2	14.700	0.20	
NFRC SC-1	6/4/2010	<0.005	77.30	0.540	<50.0	28.500	0.02	<0.005	13.80	0.02	0.0890	0.20	0.9800	178.00	0.54	0.00	3.28	19.100	0.26	1.53	0.530	1.8800	<10.0	0.07	0.1200	4440.00	<0.01	58.20	1.50	0.00	0.5300	<0.2	6.400	<0.1	
NFRC SC-1	7/8/2010	<0.005	33.20	0.580	<50.0	40.500	<0.01	0.01	18.80	0.02	0.0580	<0.1	0.8700	147.00	0.51	0.00	4.52	18.400	0.39	1.79	0.480	1.4100	<10.0	0.09	0.1600	4650.00	<0.01	87.00	1.30	0.00	0.7730	<0.2	7.800	<0.1	
NFRC SC-1	8/3/2010	<0.005	13.80	0.720	<50.0	54.900	<0.01	<0.005	28.30	0.02	0.0950	<0.1	0.6900	196.00	0.70	0.00	6.34	34.300	0.59	2.32	0.520	1.0200	<10.0	0.08	0.2200	4280.00	<0.01	124.00	<0.5	0.00	1.2600	<0.2	8.300	<0.1	
NFRC SC-1	10/18/2010	<0.005	12.40	0.610	<50.0	51.300	<0.01	<0.005	30.80	0.02	0.1070	<0.1	0.6500	199.00	0.74	0.00	6.82	39.200	0.60	2.44	0.520	0.9830	<10.0	0.06	0.3000	5340.00	0.02	133.00	<0.5	<0.002	1.5300	<0.2	9.800	<0.1	
NFRC SC-1 Average		0.0025	27.50	0.563	25.00	55.700	0.01	0.00	31.89	0.02	0.1117	0.07	0.7478	162.67	0.89	0.01	6.84	30.689	0.62	2.53	0.599	0.9824	5.56	0.07	0.3067	5152.22	0.01	137.58	0.61	0.00	1.7992	0.10	11.178	0.07	
NFRC SC-1 Max		<0.005	92.70	0.850	<50.0	77.200	0.02	0.01	46.20	0.05	0.1610	0.20	2.2800	329.00	1.27	0.01	9.93	42.800	0.91	3.53	1.350	2.3300	<10.0	0.09	0.4500	6320.00	0.02	197.00	1.50	0.01	3.0700	<0.2	16.700	0.20	
NFRC SC-1 Min		<0.005	2.80	0.410	<50.0	28.500	<0.01	<0.005	13.80	0.01	0.0580	<0.1	0.2300	90.00	0.51	0.00	3.27	18.400	0.26	1.39	0.450	0.1970	7.00	0.05	0.1200	3570.00	<0.01	58.20	<0.5	<0.002	0.5300	<0.2	6.400	<0.1	
NFRC SC-1 N > DL		0	9	9	0	9	2	2	9	9	9	1	9	9	9	9	9	9	9	9	9	9	2	9	9	9	9	1	9	3	4	9	0	9	1
NFRC SC-1 Median		<0.005	12.40	0.540	<50.0	54.900	<0.01	<0.005	30.80	0.02	0.1050	<0.1	0.6500	147.00	1.01	0.00	6.82	30.300	0.60	2.44	0.520	0.9830	<10.0												

Table C-3: Rose Creek Drainage Water Quality
2010 - Surface Water - Total Metals

Station	Date	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	Li	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NFRC SC-4	3/10/2010	<0.005	6.80	0.510	<50.0	62.800	<0.01	<0.005	47.10	0.02	0.2250	0.20	0.3400	197.00	1.13	0.01	9.99	70.100	0.81	3.56	0.690	0.5840	<10.0	0.05	0.4500	5960.00	<0.01	175.00	<0.5	<0.002	2.6600	<0.2	26.400	<0.1	
NFRC SC-4	4/14/2010	<0.005	3.20	0.380	<50.0	72.100	<0.01	<0.005	43.80	0.03	0.2130	<0.1	0.2400	135.00	1.08	0.01	8.81	64.100	0.92	3.17	0.620	0.2620	<10.0	0.06	0.4400	5770.00	<0.01	197.00	<0.5	<0.002	2.9900	<0.2	26.400	<0.1	
NFRC SC-4	5/3/2010	<0.005	90.60	0.840	<50.0	36.600	0.03	<0.005	16.80	0.04	0.1740	<0.1	2.3000	359.00	1.30	0.00	3.40	36.000	0.37	1.40	1.610	2.2300	<10.0	0.07	0.1700	3560.00	<0.01	75.30	1.90	0.01	0.6570	<0.2	15.900	0.20	
NFRC SC-4	6/4/2010	<0.005	72.30	0.510	<50.0	28.600	0.02	0.01	13.90	0.02	0.0880	0.20	0.9900	176.00	0.53	0.00	3.30	18.200	0.27	1.53	0.670	1.4900	<10.0	0.07	0.1300	4510.00	<0.01	57.60	1.70	0.00	0.5010	<0.2	10.600	<0.1	
NFRC SC-4	7/8/2010	<0.005	34.30	0.570	<50.0	39.300	<0.01	<0.005	19.20	0.02	0.0770	<0.1	0.7800	160.00	0.49	0.00	4.41	20.800	0.36	1.72	0.530	1.2100	<10.0	0.08	0.1700	4770.00	<0.01	84.30	1.20	0.00	0.7150	<0.2	7.000	<0.1	
NFRC SC-4	8/3/2010	<0.005	12.90	0.710	<50.0	53.100	<0.01	0.02	27.30	0.02	0.0980	<0.1	0.6400	194.00	0.67	0.00	6.02	31.800	0.56	2.26	0.630	1.0700	<10.0	0.08	0.2300	4460.00	<0.01	116.00	<0.5	0.00	1.1800	<0.2	11.800	<0.1	
NFRC SC-4	10/18/2010	<0.005	11.60	0.520	<50.0	49.500	<0.01	<0.005	30.80	0.02	0.1150	<0.1	0.3900	216.00	0.69	0.00	6.55	43.900	0.59	2.31	0.650	0.7230	<10.0	0.06	0.2900	5390.00	<0.01	129.00	<0.5	0.00	1.5000	<0.2	11.600	<0.1	
NFRC SC-4 Average		0.0025	26.79	0.532	25.00	54.167	0.01	0.01	32.23	0.02	0.1462	0.08	0.7156	190.67	0.90	0.01	6.93	44.311	0.61	2.52	0.740	0.9020	5.89	0.07	0.3100	5290.00	0.01	134.47	0.70	0.00	1.7337	0.10	17.289	0.07	
NFRC SC-4 Max		<0.005	90.60	0.840	<50.0	77.500	0.03	0.02	47.70	0.04	0.2250	0.20	2.3000	359.00	1.30	0.01	10.50	70.100	0.92	3.58	1.610	2.2300	<10.0	0.08	0.4700	7050.00	0.02	198.00	1.90	0.01	2.9900	<0.2	26.400	0.20	
NFRC SC-4 Min		<0.005	3.20	0.370	<50.0	28.600	<0.01	<0.005	13.90	0.02	0.0770	<0.1	0.2400	123.00	0.49	0.00	3.30	18.200	0.27	1.40	0.530	0.1700	8.00	0.05	0.1300	3560.00	<0.01	57.60	<0.5	<0.002	0.5010	<0.2	7.000	<0.1	
NFRC SC-4 N > DL		0	9	9	0	9	2	2	9	9	9	2	9	9	9	9	9	9	9	9	9	9	9	2	9	9	9	1	9	3	5	9	0	9	1
NFRC SC-4 Median		<0.005	11.60	0.510	<50.0	53.100	<0.01	<0.005	30.80	0.02	0.1550	<0.1	0.4400	176.00	1.03	0.00	6.55	43.900	0.59	2.31	0.650	0.7230	<10.0	0.07	0.2900	5390.00	<0.01	129.00	<0.5	0.00	1.5000	<0.2	15.900	<0.1	
NWID	2/22/2010	<0.005	2.50	0.190	<50.0	61.600	<0.01	<0.005	70.20	0.06	0.0110	<0.1	0.6900	3.00	1.90	0.01	9.12	0.460	0.25	3.43	0.640	0.1500	19.00	0.05	0.3400	6850.00	<0.01	258.00	<0.5	0.00	1.5700	<0.2	16.700	<0.1	
NWID	3/10/2010	<0.005	3.80	0.200	<50.0	57.700	<0.01	<0.005	70.50	0.07	0.0100	<0.1	0.6900	6.00	1.91	0.01	8.91	0.270	0.33	3.42	0.720	0.1700	20.00	0.05	0.3900	7260.00	<0.01	262.00	<0.5	0.00	1.6200	<0.2	19.000	<0.1	
NWID	4/15/2010	<0.005	3.20	0.200	<50.0	57.800	<0.01	<0.005	66.20	0.06	0.0150	<0.1	0.6500	4.00	1.84	0.01	8.15	0.270	0.30	3.16	0.710	0.3650	16.00	0.06	0.3600	6370.00	<0.01	261.00	<0.5	0.00	1.5700	<0.2	19.200	<0.1	
NWID	5/3/2010	0.0080	58.60	0.320	<50.0	31.800	<0.01	<0.005	26.20	0.06	0.0700	<0.1	2.6500	68.00	1.34	0.00	3.59	6.190	0.21	1.64	1.250	1.3600	<10.0	0.07	0.1400	5020.00	<0.01	96.90	0.90	0.00	0.4030	<0.2	28.300	0.20	
NWID	6/4/2010	<0.005	22.30	0.200	<50.0	36.100	<0.01	<0.005	35.30	0.06	0.0270	0.20	1.7000	15.00	1.24	0.00	5.17	0.530	0.30	2.59	0.890	0.3820	<10.0	0.06	0.1400	7570.00	<0.01	130.00	<0.5	0.00	0.5690	<0.2	17.000	<0.1	
NWID	7/10/2010	<0.005	6.70	0.200	<50.0	47.100	<0.01	<0.005	52.80	0.06	0.0160	<0.1	1.0800	9.00	1.47	0.01	6.44	1.100	0.30	2.75	0.530	0.2380	12.00	0.06	0.2100	7530.00	<0.01	187.00	<0.5	0.00	0.9290	<0.2	16.000	<0.1	
NWID	8/3/2010	<0.005	5.30	0.220	<50.0	53.300	<0.01	<0.005	52.70	0.06	0.0160	<0.1	0.8600	6.00	1.68	0.01	7.19	0.620	0.31	2.97	0.510	0.3000	14.00	0.05	0.2700	6280.00	<0.01	209.00	<0.5	0.00	1.1000	<0.2	13.200	<0.1	
NWID Average		0.0033	14.63	0.219	25.00	49.343	0.01	0.00	53.41	0.06	0.0236	0.07	1.1886	15.86	1.63	0.01	6.94	1.349	0.29	2.85	0.750	0.5007	13.00	0.06	0.2643	6697.14	0.01	200.56	0.34	0.00	1.1087	0.10	18.486	0.07	
NWID Max		0.0080	58.60	0.320	<50.0	61.600	<0.01	<0.005	70.50	0.07	0.0700	0.20	2.6500	68.00	1.91	0.01	9.12	6.190	0.33	3.43	1.250	1.3600	20.00	0.07	0.3900	7570.00	<0.01	262.00	0.90	0.00	1.6200	<0.2	28.300	0.20	
NWID Min		<0.005	2.50	0.190	<50.0	31.800	<0.01	<0.005	26.20	0.06	0.0100	<0.1	0.6500	3.00	1.24	0.00	3.59	0.270	0.21	1.64	0.510	0.1500	<10.0	0.05	0.1400	5020.00	<0.01	96.90	<0.5	0.00	0.4030	<0.2	13.200	<0.1	
NWID N > DL		1	7	7	0	7	0	0	7	7	7	1	7	7	7	7	7	7	7	7	7	7	5	7	7	7	7	0	7	1	7	7	0	7	1
NWID Median		<0.005	5.30	0.200	<50.0	53.300	<0.01	<0.005	52.80	0.06	0.0160	<0.1	0.8600	6.00	1.68	0.01	7.19	0.530	0.30	2.97	0.710	0.3650	14.00	0.06	0.2700	6850.00	<0.01	209.00	<0.5	0.00	1.1000	<0.2	17.000	<0.1	
R10	1/11/2010	<0.005	5.10	0.410	<50.0	69.700	<0.01	<0.005	43.10	0.01	0.0440	<0.1	0.6400	100.00	1.00	0.01	9.24	19.500	0.82	3.15	0.330	0.2270	9.00	0.06	0.4500	6460.00	<0.01	174.00	<0.5	<0.002	2.5100	<0.2	6.900	<0.1	
R10	2/23/2010	<0.005	3.60	0.470	<50.0	76.400	<0.01	<0.005	44.60	0.01	0.0420	<0.1	0.2400	78.00	1.05	0.01	9.55	14.700	0.87	3.39	0.270	0.0710	8.00	0.06	0.4600	6230.00	<0.01	187.00	<0.5	<0.002	2.8500	<0.2	7.400	<0.1	
R10	3/10/2010	<0.005	5.20	0.480	<50.0	71.600	<0.01	<0.005	43.90	0.01	0.0390	<0.1	0.3200	75.00	1.05	0.01	8.96	13.200	0.97	3.30	0.300	0.8370	<10.0	0.06	0.4700	6140.00	<0.01	190.00	<0.5	<0.002	3.0200	<0.2	12.200	<0.1	
R10	4/11/2010	<0.005	5.80	0.440	<50.0	68.700	<0.01	<0.005	39.30	0.03	0.3180	0.20	0.3900	99.00	1.00	0.01	7.85	36.900	0.94	2.99	0.530	0.4700	<10.0	0.06	0.4100	5430.00	0.02	187.00	<0.5	<0.002	2.9700	<0.2	19.800	<0.1	
R10	5/3/2010	<0.005	95.10	0.900	<50.0	39.400	0.02	0.01	17.90	0.04	0.1420	<0.1	2.5000	359.00	1.36	0.00	3.35	32.400	0.40	1.43	1.490	1.4700	<10.0	0.08	0.1900	3910.00	<0.01	77.30	1.60	0.00	0.6990	<0.2	11.400	0.20	
R10	6/5/2010	<0.005	57.10	0.490	<50.0	30.300	<0.01	0.01	15.00	0.02	0.0580	<0.1	1.0000	145.00	0.52	0.00	3.55	11.900	0.31	1.59	0.560	1.0100	<10.0	0.08	0.1400	4740.00	0.02	61.00	0.9						

Table C-3: Rose Creek Drainage Water Quality
2010 - Surface Water - Total Metals

Station	Date	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	Li	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr	
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
R8	4/11/2010	<0.005	4.00	0.460	<50.0	73.500	<0.01	<0.005	43.50	<0.005	0.0210	<0.1	0.2000	66.00	1.05	0.01	8.25	8.300	1.03	3.36	0.260	0.0260	<10.0	0.06	0.4300	5590.00	0.03	182.00	<0.5	<0.002	2.8300	<0.2	0.400	<0.1		
R8	5/3/2010	<0.005	105.00	0.970	<50.0	39.700	0.03	<0.005	16.10	0.04	0.1070	<0.1	2.1600	398.00	1.27	0.00	3.00	36.300	0.45	1.42	1.700	1.6800	<10.0	0.08	0.1800	3740.00	<0.01	69.40	1.90	0.00	0.7060	0.30	8.600	0.20		
R8	6/5/2010	<0.005	75.70	0.540	<50.0	30.100	<0.01	0.01	14.20	0.02	0.0610	0.20	0.9000	167.00	0.48	0.00	3.11	13.700	0.31	1.58	0.430	0.8320	<10.0	0.08	0.1400	4810.00	<0.01	56.70	1.20	<0.002	0.5700	<0.2	2.600	<0.1		
R8	7/8/2010	<0.005	33.30	0.610	<50.0	37.600	<0.01	<0.005	16.60	0.01	0.0400	<0.1	0.7100	137.00	0.40	0.00	3.72	15.300	0.37	1.60	0.370	0.4070	<10.0	0.08	0.1500	4600.00	<0.01	72.50	1.00	<0.002	0.6530	<0.2	1.500	<0.1		
R8	8/3/2010	<0.005	11.90	0.780	<50.0	51.100	<0.01	<0.005	25.00	0.01	0.0350	<0.1	0.4900	168.00	0.54	0.00	5.29	15.600	0.56	2.00	0.340	0.2720	<10.0	0.07	0.2100	4360.00	<0.01	103.00	<0.5	<0.002	1.0300	<0.2	2.600	<0.1		
R8	9/1/2010	<0.005	11.80	0.670	<50.0	47.400	<0.01	<0.005	25.30	0.01	0.0290	<0.1	0.4400	188.00	0.52	0.00	5.10	16.500	0.55	2.04	0.270	0.5250	<10.0	0.06	0.2200	4660.00	<0.01	106.00	<0.5	<0.002	1.0700	<0.2	2.900	<0.1		
R8	10/19/2010	<0.005	8.10	0.610	<50.0	52.600	<0.01	<0.005	29.30	0.01	0.0290	<0.1	0.3800	176.00	0.66	0.00	6.06	19.500	0.57	2.40	0.250	0.2730	<10.0	0.06	0.2800	5360.00	<0.01	121.00	<0.5	<0.002	1.3900	<0.2	1.500	<0.1		
R8	11/10/2010	<0.005	22.60	0.520	<50.0	67.300	<0.01	<0.005	36.10	0.01	0.0440	<0.1	0.5200	147.00	0.79	0.01	7.16	17.100	0.83	2.71	0.320	0.2510	<10.0	0.05	0.3000	6510.00	<0.01	145.00	0.80	<0.002	1.7500	<0.2	1.600	<0.1		
R8	12/1/2010	<0.005	4.90	0.470	<50.0	63.300	<0.01	<0.005	35.10	0.01	0.0270	<0.1	0.3400	128.00	0.80	0.01	7.00	15.400	0.62	2.65	0.220	0.0660	<10.0	0.05	0.3300	5800.00	<0.01	146.00	<0.5	<0.002	1.7600	<0.2	3.500	<0.1		
R8 Average		0.0025	23.82	0.586	25.00	56.450	0.01	0.00	30.25	0.01	0.0368	0.06	0.5683	151.33	0.78	0.01	6.05	15.968	0.66	2.43	0.393	0.3718	4.83	0.06	0.2950	5295.83	0.01	125.55	0.58	0.00	1.6116	0.12	2.233	0.06		
R8 Max		<0.005	105.00	0.970	<50.0	75.500	0.03	0.01	43.50	0.04	0.1070	0.20	2.1600	398.00	1.27	0.01	8.34	36.300	1.03	3.36	1.700	1.6800	<10.0	0.08	0.4500	6510.00	0.03	182.00	1.90	0.00	2.8300	0.30	8.600	0.20		
R8 Min		<0.005	2.60	0.450	<50.0	30.100	<0.01	<0.005	14.20	<0.005	0.0130	<0.1	0.2000	66.00	0.40	0.00	3.00	8.300	0.31	1.42	0.180	0.0170	4.00	0.05	0.1400	3740.00	<0.01	56.70	<0.5	<0.002	0.5700	<0.2	0.400	<0.1		
R8 N > DL		0	12	12	0	12	1	1	12	8	12	1	12	12	0	12	12	12	12	12	12	12	12	2	12	12	12	12	1	12	4	1	12	1	12	1
R8 Median		<0.005	9.95	0.530	<50.0	57.950	<0.01	<0.005	32.20	0.01	0.0290	<0.1	0.4100	142.00	0.80	0.01	6.53	15.350	0.60	2.53	0.265	0.2615	<10.0	0.06	0.2900	5475.00	<0.01	133.00	<0.5	<0.002	1.5700	<0.2	1.550	<0.1		
R9	1/11/2010	<0.005	3.80	0.430	<50.0	69.200	<0.01	<0.005	43.50	0.02	0.0260	<0.1	0.3200	88.00	1.01	0.01	9.25	17.000	0.81	3.12	0.220	0.2500	7.00	0.06	0.4200	6320.00	<0.01	172.00	<0.5	<0.002	2.4900	<0.2	1.300	<0.1		
R9	2/23/2010	<0.005	3.80	0.480	<50.0	74.400	<0.01	<0.005	44.50	<0.005	0.0270	<0.1	0.2600	63.00	1.06	0.01	9.57	12.800	0.87	3.39	0.220	0.1190	8.00	0.06	0.3800	5030.00	<0.01	186.00	<0.5	<0.002	2.8200	<0.2	1.200	<0.1		
R9	3/10/2010	<0.005	3.80	0.460	<50.0	70.200	<0.01	<0.005	42.70	<0.005	0.0270	<0.1	0.2500	71.00	1.02	0.01	8.88	10.700	0.99	3.19	0.230	0.1930	<10.0	0.06	0.5100	6210.00	<0.01	180.00	<0.5	<0.002	2.9000	<0.2	4.100	<0.1		
R9	4/11/2010	<0.005	2.90	0.480	<50.0	70.500	<0.01	<0.005	46.80	0.01	0.0190	<0.1	0.2100	64.00	1.14	0.01	9.35	9.360	1.03	3.42	0.230	0.1300	<10.0	0.06	0.4600	6380.00	<0.01	193.00	<0.5	<0.002	3.0900	<0.2	1.100	<0.1		
R9	5/3/2010	<0.005	80.50	0.840	<50.0	33.800	0.02	<0.005	15.20	0.03	0.0810	<0.1	1.7800	290.00	1.13	0.00	3.01	20.900	0.37	1.27	0.980	0.9120	<10.0	0.07	0.1900	3770.00	<0.01	67.30	1.10	0.00	0.6190	<0.2	4.000	0.20		
R9	6/5/2010	<0.005	83.10	0.540	<50.0	30.900	0.03	0.01	15.10	0.02	0.0750	0.20	0.9000	183.00	0.52	0.00	3.60	16.700	0.31	1.60	0.500	1.0900	<10.0	0.08	0.1400	4770.00	<0.01	61.60	2.00	<0.002	0.6170	<0.2	3.200	<0.1		
R9	7/8/2010	<0.005	32.70	0.580	<50.0	37.900	<0.01	0.01	19.00	0.01	0.0470	<0.1	0.7000	153.00	0.44	0.00	4.08	14.500	0.36	1.62	0.400	0.5050	<10.0	0.08	0.1700	4910.00	<0.01	81.20	0.90	<0.002	0.7150	<0.2	1.700	<0.1		
R9	8/3/2010	<0.005	13.00	0.690	<50.0	52.000	<0.01	0.01	26.20	0.01	0.0410	<0.1	0.7000	152.00	0.63	0.00	5.81	13.800	0.58	2.11	0.450	1.6200	<10.0	0.08	0.2300	4120.00	<0.01	115.00	<0.5	<0.002	1.1700	<0.2	6.700	<0.1		
R9	9/1/2010	<0.005	12.00	0.730	<50.0	48.500	<0.01	<0.005	26.50	0.01	0.0340	<0.1	0.4600	184.00	0.62	0.00	5.98	16.800	0.50	2.16	0.280	0.1310	<10.0	0.07	0.2200	4250.00	<0.01	118.00	<0.5	<0.002	1.1600	<0.2	0.800	<0.1		
R9	10/19/2010	<0.005	8.50	0.580	<50.0	52.500	<0.01	<0.005	31.70	0.02	0.0310	<0.1	0.3900	172.00	0.73	0.00	7.00	19.600	0.60	2.42	0.300	0.1630	<10.0	0.06	0.3200	5620.00	<0.01	133.00	<0.5	<0.002	1.5600	<0.2	1.900	<0.1		
R9	11/10/2010	<0.005	9.20	0.450	<50.0	66.800	<0.01	<0.005	38.70	0.02	0.0460	<0.1	0.4800	113.00	0.91	0.01	8.35	17.100	0.75	2.84	0.340	0.5520	<10.0	0.06	0.3300	6510.00	<0.01	161.00	<0.5	<0.002	1.9900	<0.2	5.800	<0.1		
R9	12/1/2010	<0.005	10.60	0.490	<50.0	64.900	<0.01	<0.005	38.50	0.01	0.0430	<0.1	0.5100	156.00	0.87	0.01	8.07	22.700	0.63	2.75	0.260	0.1490	<10.0	0.06	0.3500	5900.00	<0.01	160.00	<0.5	<0.002	2.0400	<0.2	1.900	<0.1		
R9 Average		0.0025	21.99	0.563	25.00	55.967	0.01	0.00	32.37	0.01	0.0414	0.06	0.5800	140.75	0.84	0.01	6.91	15.997	0.65	2.49	0.368	0.4845	5.42	0.07	0.3100	5315.83	0.01	135.68	0.52	0.00	1.7643	0.10	2.808	0.06		
R9 Max		<0.005	83.10	0.840	<50.0	74.400	0.03	0.01	46.80	0.03	0.0810	0.20	1.7800	290.00	1.14	0.01	9.57	22.700	1.03	3.42	0.980	1.6200	<10.0	0.08	0.5100	6510.00	<0.01	193.00	2.00	0.00	3.0900	<0.2	6.700	0.20		
R9 Min		<0.005	2.90	0.430	<50.0	30.900	<0.01	<0.005	15.10	<0.005	0.0190	<0.1	0.2100	63.00	0.44	0.00	3.01	9.360	0.31	1.27	0.220	0.1190	7.00	0.06	0.1400	3770.00	<0.01	61.60	<0.5	<0.002	0.6170	<0.2	0.800	<0.1		
R9 N > DL		0	12	12	0	12	2	3	12	10	12	1	12	12	0	12	12	12	12	12	12	12	2	12	12	12	12	0	12	3	1	12	0	12	1	
R9 Median		<0.005	9.90	0.515	<50.0	58.700	<0.01	<0.005	35.10	0.01	0.0375	<0.1	0.4700	152.50	0.89	0.01	7.54	16.750	0.62	2.59	0.290	0.2215	<10.0	0.06	0.3250	5325.00	<0.01	146.50	<0.5	<0.002	1.7750	<0.2	1.900	<0.1		
RCSG#4	1/12/2010	<0.005	4.80	0.310	<50.0	66.800	<0.01	<0.005	46.60	0.12	0.1200	<0.1	0.8400	292.00	1.20	0.01	10.40	66.300	0.72	3.11	0.800	1.4200	12.00	0.07	0.4200	6150.00	0.03	183.00	<0.5	0.00	2.4700	<0.2	38.100	<0.1		
RCSG#4	3/10/2010	<0.005	3.30	0.310	<50.0	70.000	<0.01	<0.005	46.30	0.02	0.1220	<0.1	0.2900	165.00	1.17	0.01	10.20	67.700	0.79	3.21	0.610	0.3500	11.00	0.05	0											

Table C-3: Rose Creek Drainage Water Quality
2010 - Surface Water - Total Metals

Station	Date	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	Li	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
X10	5/3/2010	<0.005	73.30	0.760	<50.0	37.500	0.02	0.01	19.30	0.04	0.1870	<0.1	2.0400	489.00	1.22	0.00	4.43	51.800	0.34	1.39	1.750	1.7600	<10.0	0.07	0.1700	3350.00	<0.01	86.00	1.40	0.01	0.8510	<0.2	22.900	0.20	
X10	6/4/2010	<0.005	56.20	0.390	<50.0	28.300	<0.01	0.01	15.30	0.01	0.0750	<0.1	0.8200	206.00	0.56	0.00	3.79	20.500	0.28	1.47	0.500	0.7610	<10.0	0.07	0.1200	3830.00	<0.01	65.90	1.00	0.00	0.5780	<0.2	11.700	<0.1	
X10	7/8/2010	<0.005	24.60	0.440	<50.0	35.500	<0.01	0.01	20.40	0.01	0.0680	<0.1	0.7400	264.00	0.51	0.00	4.31	22.800	0.33	1.63	0.440	0.7210	<10.0	0.07	0.1500	4640.00	<0.01	89.80	0.70	<0.002	0.7430	<0.2	13.500	<0.1	
X10	8/3/2010	<0.005	6.60	0.490	<50.0	48.200	<0.01	<0.005	27.90	0.01	0.0550	<0.1	0.5700	319.00	0.71	0.00	6.24	26.700	0.49	1.98	0.490	0.5860	<10.0	0.07	0.2100	4150.00	<0.01	126.00	<0.5	0.00	1.2500	<0.2	19.800	<0.1	
X10	9/2/2010	<0.005	5.80	0.430	<50.0	47.300	<0.01	<0.005	29.00	0.01	0.0730	<0.1	0.4300	335.00	0.71	0.00	6.64	27.100	0.51	2.17	0.510	0.1690	<10.0	0.06	0.2000	4260.00	<0.01	130.00	<0.5	<0.002	1.2300	<0.2	21.600	<0.1	
X10	10/21/2010	<0.005	26.70	0.470	<50.0	56.600	<0.01	<0.005	35.30	0.03	0.1410	<0.1	7.2300	395.00	0.87	0.00	8.37	48.100	0.57	2.32	0.610	0.8010	<10.0	0.07	0.3300	4930.00	<0.01	166.00	1.00	<0.002	1.8400	<0.2	27.100	<0.1	
X10	11/9/2010	<0.005	5.60	0.230	<50.0	61.800	<0.01	<0.005	40.00	0.02	0.0930	<0.1	0.5100	203.00	0.98	0.00	8.66	45.100	0.53	2.45	0.750	0.7720	<10.0	0.20	0.6100	5280.00	<0.01	179.00	<0.5	0.00	1.9300	<0.2	41.400	<0.1	
X10	12/1/2010	<0.005	3.00	0.170	<50.0	60.400	<0.01	<0.005	40.70	0.01	0.0920	<0.1	0.3300	178.00	1.00	0.00	8.57	42.600	0.45	2.62	0.650	0.1390	<10.0	0.05	0.2900	5450.00	<0.01	176.00	<0.5	0.00	1.8500	<0.2	42.100	<0.1	
X10 Average		0.0025	17.94	0.350	25.00	55.083	0.01	0.00	34.83	0.02	0.0773	0.05	1.1700	227.92	0.93	0.00	7.95	29.442	0.54	2.35	0.713	0.5553	7.00	0.08	0.3158	4880.00	0.01	151.48	0.51	0.00	1.7752	0.10	28.883	0.06	
X10 Max		<0.005	73.30	0.760	<50.0	72.200	0.02	0.01	48.30	0.04	0.1870	<0.1	7.2300	489.00	1.22	0.01	11.50	51.800	0.80	3.09	1.750	1.7600	12.00	0.20	0.6100	5850.00	<0.01	204.00	1.40	0.01	2.9200	<0.2	45.700	0.20	
X10 Min		<0.005	2.80	0.170	<50.0	28.300	<0.01	<0.005	15.30	<0.005	0.0240	<0.1	0.3200	67.00	0.51	0.00	3.79	11.600	0.28	1.39	0.440	0.0760	10.00	0.05	0.1200	3350.00	<0.01	65.90	<0.5	<0.002	0.5780	<0.2	11.700	<0.1	
X10 N > DL		0	12	12	0	12	1	3	12	11	12	0	12	12	12	12	12	12	12	12	12	12	4	12	12	12	12	0	12	4	6	12	0	12	1
X10 Median		<0.005	5.70	0.315	<50.0	58.500	<0.01	<0.005	37.65	0.01	0.0705	<0.1	0.4700	204.50	0.99	0.00	8.47	26.550	0.52	2.39	0.655	0.5790	<10.0	0.07	0.3100	5105.00	<0.01	171.00	<0.5	0.00	1.8450	<0.2	26.950	<0.1	
X14	1/11/2010	<0.005	4.60	0.330	<50.0	73.300	<0.01	<0.005	111.00	0.05	1.8100	<0.1	0.4800	357.00	2.16	0.01	24.60	2660.000	0.89	8.96	4.850	0.7100	78.00	0.08	0.4800	6820.00	<0.01	342.00	<0.5	0.01	3.5300	<0.2	43.100	<0.1	
X14	2/22/2010	<0.005	2.30	0.440	<50.0	71.300	<0.01	<0.005	124.00	0.06	2.6800	<0.1	0.3500	404.00	2.24	0.01	27.80	3520.000	0.74	9.99	6.170	0.1290	99.00	0.07	0.4000	6220.00	<0.01	386.00	<0.5	0.01	3.7700	<0.2	22.000	<0.1	
X14	3/10/2010	<0.005	2.60	0.460	<50.0	67.700	<0.01	<0.005	136.00	0.07	3.0400	<0.1	0.2800	466.00	2.40	0.01	28.60	3980.000	0.89	10.50	6.610	0.0940	121.00	0.06	0.4300	6150.00	<0.01	400.00	<0.5	0.01	3.9500	<0.2	24.100	<0.1	
X14	3/22/2010	<0.005	3.00	0.490	<50.0	65.300	<0.01	<0.005	131.00	0.08	3.3700	<0.1	0.3200	601.00	<0.01	28.10	4150.000	0.83	10.60	6.990	0.1180	109.00	0.06	0.4800	5470.00	<0.01	390.00	<0.5	0.01	3.7400	<0.2	32.100	<0.1		
X14	3/30/2010	<0.005	2.80	0.410	<50.0	58.300	<0.01	<0.005	171.00	0.10	7.1600	<0.1	0.2800	441.00	<0.01	38.80	5920.000	0.89	14.20	12.400	0.1190	168.00	0.09	0.3200	6380.00	<0.01	509.00	<0.5	0.05	4.5100	<0.2	101.000	<0.1		
X14	4/6/2010	<0.005	2.60	0.420	<50.0	58.800	<0.01	<0.005	193.00	0.10	8.9600	0.20	0.3200	442.00	3.49	0.01	41.20	7240.000	0.95	15.10	15.200	0.1290	184.00	0.09	0.3600	6070.00	<0.01	585.00	<0.5	0.05	4.4600	<0.2	110.000	<0.1	
X14	4/13/2010	0.0600	4.00	0.400	<300.0	63.000	<0.05	<0.03	180.00	0.10	6.3400	<0.5	<0.3	432.00	<0.05	3.10	0.01	33.80	5350.000	0.80	12.40	10.400	0.1600	1740.00	<0.1	0.3000	5510.00	<0.05	542.00	<3.0	0.05	4.2000	<1.0	92.500	<0.5
X14	4/20/2010	<0.005	138.00	0.860	<50.0	51.000	<0.01	<0.005	140.00	0.09	5.8200	0.20	1.2300	731.00	<0.01	2.71	0.01	26.20	4200.000	0.69	9.96	10.100	4.1000	124.00	0.12	0.2600	3650.00	<0.01	430.00	3.60	0.04	2.9600	0.30	73.800	<0.1
X14	4/27/2010	<0.005	61.10	0.860	<50.0	43.100	<0.01	<0.005	52.90	0.06	0.9390	<0.1	1.5400	567.00	<0.01	1.82	0.01	10.40	880.000	0.52	4.02	2.390	1.5800	35.00	0.07	0.1800	3880.00	<0.01	185.00	1.20	0.02	1.4000	<0.2	42.700	<0.1
X14	5/4/2010	<0.005	58.00	0.640	<50.0	37.300	<0.01	0.01	91.90	0.06	3.5400	<0.1	1.5500	388.00	<0.01	2.25	0.01	16.10	2440.000	0.49	5.93	6.660	1.1400	81.00	0.09	0.1800	3470.00	0.02	274.00	1.60	0.07	1.4600	<0.2	63.000	<0.1
X14	5/11/2010	<0.005	38.00	0.670	<50.0	39.100	0.02	<0.005	70.80	0.05	2.4400	<0.1	1.5300	469.00	<0.01	1.70	0.01	14.50	1710.000	0.52	4.79	4.640	1.3300	62.00	0.08	0.1900	3770.00	<0.01	241.00	0.60	0.07	1.4200	<0.2	45.400	<0.1
X14	5/18/2010	<0.005	76.30	0.640	<50.0	37.000	0.02	<0.005	52.50	0.05	2.0500	<0.1	1.6300	406.00	1.34	0.01	11.50	1320.000	0.41	3.73	4.160	1.9100	39.00	0.09	0.1700	3050.00	<0.01	188.00	2.10	0.05	1.0900	<0.2	38.500	<0.1	
X14	5/25/2010	<0.005	105.00	0.560	<50.0	28.700	0.02	<0.005	30.70	0.03	0.9000	0.20	1.3100	375.00	0.96	0.00	6.97	583.000	0.30	2.44	2.430	2.0000	22.00	0.06	0.1300	3240.00	<0.01	107.00	3.10	0.02	0.7220	<0.2	22.600	<0.1	
X14	6/1/2010	<0.005	34.30	0.380	<50.0	27.300	<0.01	0.01	41.10	0.04	1.5700	<0.1	1.1400	233.00	1.03	0.00	9.29	1030.000	0.30	3.81	3.050	1.0600	34.00	0.07	0.1300	3720.00	<0.01	133.00	<0.5	0.03	0.7650	<0.2	42.600	<0.1	
X14	6/8/2010	<0.005	20.70	0.380	<50.0	31.800	<0.01	<0.005	50.70	0.05	2.1500	<0.1	0.7400	215.00	1.12	0.00	12.30	1390.000	0.39	4.00	3.720	0.5120	44.00	0.08	0.1900	3940.00	<0.01	166.00	<0.5	0.04	0.9960	<0.2	39.900	<0.1	
X14	6/15/2010	<0.005	16.20	0.400	<50.0	33.600	<0.01	<0.005	59.70	0.04	2.7600	<0.1	0.7100	245.00	<0.01	1.39	0.01	14.60	1740.000	0.40	4.56	4.410	0.5320	55.00	0.08	0.1800	4000.00	<0.01	207.00	<0.5	0.05	1.1200	<0.2	48.400	<0.1
X14	6/22/2010	<0.005	20.30	0.460	<50.0	35.400	<0.01	0.01	59.30	0.05	2.6100	<0.1	1.0700	290.00	<0.01	1.41	0.01	15.10	1590.000	0.42	4.83	4.480	0.4690	55.00	0.09	0.2200	3460.00	<0.01	204.00	<0.5	0.06	1.0400	<0.2	45.500	<0.1
X14	6/29/2010	<0.005	17.40	0.410	<50.0	38.800	<0.01	0.01	71.20	0.04	3.2200	0.30	0.6500	274.00	<0.01	1.46	0.01	17.10	1860.000	0.49	5.10	5.060	0.3690	67.00	0.10	0.2000	4330.00	<0.01	236.00	<0.5	0.08	1.2400	<0.2	49.300	<0.1
X14	6/29/2010	<0.005	12.70	0.430	<50.0	38.100	<0.01	<0.005	73.10	0.05	3.2700	<0.1	0.6300	276.00	<0.01	1.53	0.01	17.50	1890.000	0.41	5.26	5.110	0.3620	69.00	0.10	0.2000	4470.00	<0.01	242.00	<0.5</					

Table C-3: Rose Creek Drainage Water Quality
2010 - Surface Water - Total Metals

Station	Date	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	Li	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
X2	6/4/2010	<0.005	103.00	0.600	<50.0	28.800	0.02	0.01	13.70	0.02	0.1610	0.20	0.9500	253.00	0.53	0.00	3.30	32.400	0.26	1.49	0.610	2.6300	<10.0	0.08	0.1300	4370.00	<0.01	56.70	2.30	0.00	0.4980	<0.2	8.200	<0.1	
X2	7/8/2010	<0.005	42.50	0.570	<50.0	38.500	<0.01	0.02	18.80	0.02	0.0970	<0.1	0.8500	175.00	0.50	0.00	4.47	25.300	0.36	1.72	0.550	1.3100	<10.0	0.09	0.1700	4720.00	<0.01	84.10	1.80	0.01	0.7120	<0.2	7.800	<0.1	
X2	8/3/2010	<0.005	13.50	0.680	<50.0	53.600	<0.01	0.01	28.10	0.02	0.0920	<0.1	0.5500	192.00	0.71	0.00	6.47	39.100	0.60	2.23	0.780	0.8560	<10.0	0.07	0.2500	4530.00	<0.01	121.00	0.60	0.00	1.1900	<0.2	9.700	<0.1	
X2	9/2/2010	<0.005	13.40	0.590	<50.0	48.800	<0.01	<0.005	27.00	0.01	0.1180	<0.1	0.4700	194.00	0.65	0.00	6.03	40.100	0.49	2.15	0.480	0.3880	<10.0	0.06	0.2100	4510.00	<0.01	120.00	<0.5	<0.002	1.1200	<0.2	14.400	<0.1	
X2	10/18/2010	<0.005	8.80	0.550	<50.0	53.100	<0.01	<0.005	33.20	0.02	0.1810	<0.1	0.4200	215.00	0.80	0.01	7.69	74.600	0.53	2.59	0.640	0.5240	<10.0	0.06	0.3900	5630.00	<0.01	141.00	<0.5	0.00	1.4600	<0.2	14.200	<0.1	
X2	11/9/2010	<0.005	8.50	0.360	<50.0	64.100	<0.01	<0.005	36.80	0.02	0.2190	<0.1	0.4500	149.00	0.87	0.01	8.38	86.400	1.03	2.72	0.800	0.8330	<10.0	1.56	2.6500	5520.00	<0.01	161.00	<0.5	0.00	1.9100	<0.2	21.800	<0.1	
X2	12/1/2010	<0.005	13.30	0.420	<50.0	65.000	<0.01	<0.005	40.50	0.04	0.1970	<0.1	0.4400	212.00	0.94	0.01	9.05	74.400	0.59	2.91	0.790	0.6050	<10.0	0.06	0.3500	5970.00	<0.01	169.00	<0.5	0.01	1.9200	<0.2	19.400	<0.1	
X2 Average		0.0025	27.41	0.513	25.00	56.250	0.01	0.01	33.45	0.02	0.1737	0.06	0.6475	192.58	0.89	0.01	7.58	61.242	0.63	2.59	0.787	0.9975	6.58	0.20	0.5025	5255.00	0.01	142.26	0.70	0.00	1.7328	0.10	18.058	0.06	
X2 Max		<0.005	103.00	0.820	<50.0	74.500	0.03	0.02	49.30	0.05	0.2560	0.20	2.2600	393.00	1.26	0.01	11.40	86.400	1.03	3.67	1.350	2.6300	12.00	1.56	2.6500	6570.00	<0.01	202.00	2.30	0.01	2.9600	<0.2	31.100	0.20	
X2 Min		<0.005	3.50	0.350	<50.0	28.800	<0.01	<0.005	13.70	0.01	0.0920	<0.1	0.2600	110.00	0.50	0.00	3.30	25.300	0.26	1.41	0.480	0.1450	<10.0	0.06	0.1300	3390.00	<0.01	56.70	<0.5	<0.002	0.4980	<0.2	7.800	<0.1	
X2 N > DL		0	12	12	0	12	2	4	12	12	12	1	12	12	0	12	12	12	12	12	12	12	12	3	12	12	12	0	12	4	7	12	0	12	1
X2 Median		<0.005	13.35	0.490	<50.0	58.850	<0.01	<0.005	35.00	0.02	0.1855	<0.1	0.4500	183.50	0.91	0.01	8.04	73.250	0.60	2.66	0.715	0.7190	<10.0	0.07	0.3700	5425.00	<0.01	151.00	<0.5	0.00	1.6850	<0.2	17.800	<0.1	
X22b	1/11/2010	<0.03	13.00	0.200	<300.0	18.500	0.07	<0.03	169.00	18.30	59.6000	<0.5	8.5000	38.00	9.37	0.07	86.80	3570.000	0.70	23.10	152.000	1.0500	229.00	0.40	<0.2	4100.00	<0.05	681.00	<3.0	0.56	1.3700	<1.0	24400.000	<0.5	
X22b	2/22/2010	<0.03	13.00	0.200	<300.0	22.000	0.24	<0.03	143.00	28.20	47.1000	<0.5	20.7000	18.00	7.05	0.06	76.90	2700.000	0.60	16.40	138.000	2.1200	248.00	0.20	<0.2	7560.00	<0.05	557.00	<3.0	0.37	1.4900	<1.0	26900.000	<0.5	
X22b	3/10/2010	<0.03	12.00	0.200	<300.0	21.000	0.21	<0.03	138.00	25.50	44.6000	<0.5	21.9000	12.00	7.00	0.06	73.00	2640.000	0.60	16.30	130.000	0.9200	237.00	0.20	<0.2	6510.00	<0.05	528.00	<3.0	0.35	1.6500	<1.0	26300.000	<0.5	
X22b	4/13/2010	0.0500	10.00	0.200	<300.0	24.500	0.11	<0.03	139.00	12.30	41.2000	<0.5	5.6000	7.00	7.20	0.06	69.50	2390.000	0.70	15.90	111.000	1.0500	206.00	0.30	0.3000	6020.00	<0.05	583.00	<3.0	0.37	3.1700	<1.0	18900.000	<0.5	
X22b	5/3/2010	<0.005	7.20	0.050	<50.0	12.500	0.03	<0.005	37.40	4.27	8.9100	<0.1	4.3000	40.00	1.79	0.01	15.70	542.000	0.13	3.86	24.300	3.4800	57.00	0.06	0.0700	1410.00	<0.01	155.00	<0.5	0.10	0.2230	<0.2	3630.000	<0.1	
X22b	6/4/2010	0.0800	37.00	0.200	<300.0	17.800	0.12	<0.03	147.00	17.70	51.3000	<0.5	15.4000	176.00	8.10	0.06	80.90	2960.000	0.50	19.70	126.000	1.3400	227.00	0.30	<0.2	4320.00	<0.05	615.00	<3.0	0.43	1.2500	<1.0	21400.000	<0.5	
X22b	7/10/2010	0.0700	8.00	0.200	<300.0	15.700	0.09	<0.03	139.00	17.00	48.6000	<0.5	9.4000	135.00	7.40	0.06	73.00	2830.000	1.10	17.90	124.000	1.2400	227.00	0.30	<0.2	4230.00	<0.05	569.00	<3.0	0.42	1.1800	<1.0	20500.000	<0.5	
X22b	8/3/2010	0.0140	3.90	0.140	<50.0	16.300	0.03	<0.005	133.00	15.80	51.3000	<0.1	6.4700	30.00	7.65	0.06	76.10	2800.000	0.53	18.80	127.000	0.5360	271.00	0.25	0.1600	3620.00	<0.01	610.00	<0.5	0.41	1.2200	<0.2	18200.000	<0.1	
X22b	9/1/2010	<0.03	8.00	0.200	<300.0	16.100	0.06	<0.03	144.00	17.00	49.5000	<0.5	6.9000	74.00	7.40	0.06	73.00	2920.000	0.50	17.80	128.000	1.7600	213.00	0.30	<0.2	4060.00	0.07	609.00	<3.0	0.47	1.1900	<1.0	20700.000	<0.5	
X22b	10/20/2010	0.0180	11.70	0.150	<50.0	16.500	0.06	<0.005	149.00	16.90	53.7000	<0.1	5.7700	153.00	8.54	0.06	78.90	3120.000	0.52	19.80	136.000	0.8270	274.00	0.27	0.1500	3630.00	<0.01	669.00	<0.5	0.45	1.1900	<0.2	19100.000	<0.1	
X22b	11/8/2010	<0.03	10.00	<0.1	<300.0	15.600	<0.05	<0.03	156.00	15.30	50.5000	<0.5	4.8000	300.00	7.90	0.06	72.50	3220.000	0.60	18.50	134.000	0.7900	243.00	0.60	0.8000	4190.00	<0.05	612.00	<3.0	0.44	1.1300	<1.0	20700.000	<0.5	
X22b	12/1/2010	<0.03	14.00	<0.1	<300.0	15.300	0.06	<0.03	156.00	16.30	52.8000	<0.5	5.6000	108.00	8.30	0.06	77.70	3280.000	0.50	19.90	136.000	0.2900	247.00	0.20	<0.2	4100.00	<0.05	624.00	<3.0	0.45	1.1700	<1.0	20600.000	<0.5	
X22b Average		0.0270	12.32	0.153	118.75	17.650	0.09	0.01	137.53	17.05	46.5925	0.20	9.6117	90.92	7.31	0.06	71.17	2747.667	0.58	17.33	122.192	1.2836	223.25	0.28	0.1817	4479.17	0.02	567.67	1.19	0.40	1.3528	0.40	20110.833	0.20	
X22b Max		0.0800	37.00	0.200	<300.0	24.500	0.24	<0.03	169.00	28.20	59.6000	<0.5	21.9000	300.00	9.37	0.07	86.80	3570.000	1.10	23.10	152.000	3.4800	274.00	0.60	0.8000	7560.00	0.07	681.00	<3.0	0.56	3.1700	<1.0	26900.000	<0.5	
X22b Min		<0.005	3.90	0.050	<50.0	12.500	0.03	<0.005	37.40	4.27	8.9100	<0.1	4.3000	7.00	1.79	0.01	15.70	542.000	0.13	3.86	24.300	0.2900	57.00	0.06	0.0700	1410.00	<0.01	155.00	<0.5	0.10	0.2230	<0.2	3630.000	<0.1	
X22b N > DL		5	12	10	0	12	11	0	12	12	12	0	12	12	0	12	12	12	12	12	12	12	12	12	12	5	12	1	12	0	12	12	0	12	0
X22b Median		<0.03	10.85	0.200	<300.0	16.400	0.07	<0.03	143.50	16.95	50.0000	<0.5	6.6850	57.00	7.53	0.06	74.55	2875.000	0.57	18.20	129.000	1.0500	233.00	0.29	<0.2	4145.00	<0.05	609.50	<3.0	0.43	1.2050	<1.0	20650.000	<0.5	
X3	1/11/2010	<0.005	3.70	0.300	<50.0	67.600	<0.01	<0.005	45.00	0.02	0.1150	<0.1	0.3800	90.00	1.13	0.01	10.20	51.000	0.69	3.22	0.650	0.2640	10.00	0.06	0.4200	6110.00	<0.01	185.00	<0.5	<0.002	2.5400	<0.2	21.900	<0.1	
X3	2/22/2010	<0.005	2.80	0.290	<50.0	69.600	<0.01	<0.005	47.60	0.01	0.1180	<0.1	0.4000	72.00	1.19	0.01	10.90	50.400	0.73	3.47	0.620	0.1100	12.00	0.06	0.4100	6350.00	<0.01	199.00	<0.5	<0.002	2.7800	<0.2	20.000	<0.1	
X3	3/9/2010	<0.005	3.20	0.310	<50.0	69.800	<0.01	<0.005	47.50	0.01	0.1140	<0.1	0.2700	75.00	1.19	0.01	10.70	53.500	0.85	3.44	0.670	0.1210	12.00	0.05	0.3700	5470.00	<0.01	204.00	<0.5	<0.002	2.9900	<0.2	21.000	<0.1	
X3	4/14/2010	<0.005	3.80	0.280	<50.0	69.900	<0.01	<0.005	45.00																										

Table C-3: Rose Creek Drainage Water Quality
2010 - Surface Water - Total Metals

Station	Date	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	Li	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
X4	7/10/2010	0.1000	722.00	8.500	<500.0	13.900	0.30	<0.05	204.00	19.60	130.0000	<1.0	165.0000	50800.00	3.80	0.03	80.20	21400.000	0.80	12.00	114.000	2400.0000	381.00	1.30	<0.4	5550.00	<0.1	785.00	<5.0	3.26	2.2500	<2.0	43500.000	<1.0	
X4	8/3/2010	<0.05	790.00	4.000	<500.0	17.600	<0.1	<0.05	226.00	21.00	142.0000	2.00	191.0000	50700.00	4.00	0.02	82.10	22900.000	<0.5	12.40	128.000	2740.0000	392.00	0.60	<0.4	5390.00	<0.1	797.00	<5.0	3.02	2.5300	<2.0	44400.000	<1.0	
X4	9/2/2010	<0.05	806.00	4.900	<500.0	11.600	0.20	<0.05	220.00	20.50	139.0000	<1.0	178.0000	46800.00	3.90	0.02	77.50	23400.000	<0.5	12.10	125.000	2570.0000	378.00	0.80	<0.4	5720.00	<0.1	815.00	11.00	3.69	2.6800	<2.0	41700.000	<1.0	
X4	10/20/2010	<0.03	73.00	0.800	<300.0	8.200	<0.05	<0.03	191.00	6.73	88.9000	<0.5	18.2000	56300.00	4.10	0.02	52.80	18400.000	<0.3	10.40	79.200	114.0000	313.00	0.60	<0.2	5550.00	<0.05	765.00	<3.0	1.04	0.5900	<1.0	20500.000	<0.5	
X4	11/8/2010	<0.03	629.00	4.100	<300.0	6.700	0.20	<0.03	229.00	16.70	134.0000	0.90	140.0000	52000.00	4.10	0.02	69.80	23300.000	<0.3	12.30	121.000	1580.0000	379.00	0.90	0.6000	6460.00	<0.05	783.00	<3.0	2.59	2.1400	<1.0	37200.000	<0.5	
X4	12/1/2010	<0.03	13.00	0.400	<300.0	6.800	<0.05	<0.03	199.00	2.41	69.3000	<0.5	3.3000	89900.00	3.60	0.01	35.00	17800.000	<0.3	10.20	58.300	24.0000	264.00	0.50	<0.2	6510.00	<0.05	600.00	<3.0	0.45	1.0500	<1.0	10500.000	<0.5	
X4 Average		0.0500	459.08	2.342	212.50	13.917	0.10	0.02	209.25	12.93	113.0417	0.58	93.1833	68708.33	3.83	0.02	65.26	19645.833	0.26	11.47	100.375	999.5233	337.50	0.45	0.2167	5632.50	0.05	730.50	3.13	1.59	1.8200	0.79	32780.833	0.40	
X4 Max		0.1600	847.00	8.500	<1,000.0	20.500	0.30	<0.1	266.00	21.00	167.0000	<2.0	191.0000	107000.00	5.12	0.03	108.00	25500.000	<1.0	16.80	157.000	2740.0000	414.00	1.30	<0.8	6930.00	<0.2	996.00	11.00	3.69	2.6800	<4.0	60900.000	<2.0	
X4 Min		<0.03	6.00	0.200	<300.0	6.700	<0.05	<0.03	106.00	0.86	61.9000	<0.5	0.5000	40500.00	1.60	0.01	28.30	8750.000	<0.3	5.20	50.200	1.8800	200.00	<0.1	<0.2	2270.00	<0.05	394.00	<3.0	0.11	0.5900	<1.0	7770.000	<0.5	
X4 N > DL		3	12	12	0	12	5	1	12	12	12	2	12	12	0	12	12	12	12	12	12	12	12	12	7	2	12	1	12	2	12	12	0	12	0
X4 Median		0.0100	554.00	0.950	<300.0	14.650	0.07	0.03	209.50	15.15	132.0000	0.58	108.3500	59050.00	3.90	0.02	73.65	20650.000	<0.3	12.05	116.500	644.0000	378.50	0.35	0.2500	5635.00	0.06	774.00	<3.0	1.24	2.0450	<1.0	39450.000	<0.5	
X5	3/22/2010	<0.005	1.50	0.200	<50.0	41.800	<0.01	<0.005	339.00	0.15	14.9000	<0.1	0.4300	341.00	<0.01	7.66	0.03	75.30	10500.000	1.25	27.10	21.800	0.4580	389.00	0.21	0.2300	6360.00	<0.01	1030.00	<0.5	0.24	7.2000	<0.2	373.000	<0.1
X5	3/30/2010	<0.03	2.00	0.200	<300.0	38.300	<0.05	<0.03	297.00	0.13	21.1000	<0.5	0.5000	206.00	<0.05	5.60	0.02	70.00	12100.000	1.00	25.50	32.900	0.1800	326.00	0.20	<0.2	6490.00	<0.05	864.00	<3.0	0.19	6.1200	<1.0	372.000	<0.5
X5	4/6/2010	<0.03	3.00	0.300	<300.0	37.900	<0.05	<0.03	327.00	0.10	26.0000	<0.5	0.5000	147.00	<0.05	5.80	0.02	73.40	15400.000	1.00	25.90	39.300	0.1400	351.00	0.20	<0.2	5950.00	<0.05	921.00	<3.0	0.19	5.4300	<1.0	411.000	<0.5
X5	4/13/2010	0.0600	2.00	0.200	<300.0	31.100	<0.05	<0.03	322.00	0.16	15.8000	<0.5	0.4000	392.00	<0.05	5.20	0.02	53.20	9590.000	0.80	19.40	23.200	0.2900	295.00	0.20	<0.2	4930.00	<0.05	904.00	<3.0	0.18	4.7900	<1.0	266.000	<0.5
X5	4/20/2010	<0.005	6.50	0.160	<50.0	21.900	<0.01	<0.005	325.00	0.11	23.0000	<0.1	0.3100	184.00	<0.01	5.26	0.02	53.50	12500.000	0.62	21.60	33.600	0.9640	364.00	<0.1	0.1800	3970.00	<0.01	973.00	<0.5	0.17	3.6000	<0.2	252.000	<0.1
X5	4/27/2010	<0.03	18.00	0.200	<300.0	26.800	<0.05	<0.03	269.00	0.18	7.3200	<0.5	0.8000	173.00	<0.05	4.70	0.02	41.80	4500.000	0.70	16.70	11.900	1.1600	271.00	0.20	<0.2	3410.00	<0.05	786.00	<3.0	0.22	2.8800	<1.0	218.000	<0.5
X5	5/4/2010	0.0500	8.00	<0.1	<300.0	19.900	<0.05	<0.03	300.00	0.16	17.5000	<0.5	0.5000	82.00	<0.05	5.10	0.03	49.70	10000.000	0.50	18.70	26.900	0.8200	329.00	0.20	<0.2	3320.00	<0.05	843.00	<3.0	0.35	2.2600	<1.0	328.000	<0.5
X5	5/11/2010	<0.005	5.70	0.160	<50.0	19.100	<0.01	<0.005	277.00	0.11	12.1000	<0.1	0.6300	126.00	<0.01	5.21	0.03	52.20	7070.000	0.56	17.00	17.600	0.5200	312.00	0.13	0.1600	2840.00	<0.01	843.00	<0.5	0.41	2.0200	<0.2	192.000	<0.1
X5	5/18/2010	<0.005	3.60	0.160	<50.0	17.400	<0.01	<0.005	242.00	0.12	10.9000	<0.1	0.5800	129.00	<0.01	4.68	0.02	48.40	6270.000	0.47	15.40	15.600	0.6020	271.00	0.13	0.1400	2140.00	0.02	750.00	<0.5	0.41	1.7800	<0.2	170.000	<0.1
X5	5/25/2010	<0.005	5.20	0.210	<50.0	18.700	<0.01	<0.005	251.00	0.12	11.5000	<0.1	0.5300	151.00	<0.01	5.14	0.03	56.60	6410.000	0.51	17.90	16.600	1.1200	299.00	0.12	0.1400	2640.00	<0.01	763.00	<0.5	0.38	2.0400	<0.2	191.000	<0.1
X5	6/1/2010	0.0600	4.00	0.200	<300.0	19.800	<0.05	<0.03	298.00	0.18	19.9000	<0.5	0.5000	180.00	<0.05	5.60	0.03	67.10	11300.000	0.50	19.60	29.700	0.8000	318.00	<0.1	<0.2	3740.00	<0.05	813.00	<3.0	0.37	2.3300	<1.0	327.000	<0.5
X5	6/8/2010	0.0600	4.00	0.200	<300.0	18.200	<0.05	<0.03	288.00	0.19	21.4000	<0.5	0.5000	210.00	<0.05	5.60	0.03	69.70	11800.000	0.50	21.00	30.800	0.9200	321.00	0.20	<0.2	3610.00	<0.05	866.00	<3.0	0.40	2.3300	<1.0	326.000	<0.5
X5	6/15/2010	<0.03	9.00	0.300	<300.0	20.000	<0.05	<0.03	310.00	0.22	24.4000	<0.5	1.2000	313.00	<0.05	7.10	0.03	81.00	13300.000	0.60	23.80	34.600	13.1000	315.00	0.20	<0.2	3460.00	0.06	943.00	<3.0	0.47	2.1900	<1.0	362.000	<0.5
X5	6/22/2010	<0.005	3.60	0.270	<50.0	19.000	<0.01	0.01	322.00	0.17	19.7000	<0.1	0.5400	299.00	<0.01	7.06	0.04	76.50	10500.000	0.61	22.90	26.600	0.9480	403.00	0.18	0.1300	3510.00	<0.01	981.00	<0.5	0.48	1.9500	<0.2	228.000	<0.1
X5	6/29/2010	<0.03	3.00	0.300	<300.0	17.100	<0.05	<0.03	287.00	0.18	21.3000	<0.5	0.4000	371.00	<0.05	5.70	0.04	71.60	10700.000	<0.3	19.50	28.700	1.6400	371.00	0.20	<0.2	3430.00	0.06	844.00	<3.0	0.50	1.9900	<1.0	263.000	<0.5
X5	7/6/2010	<0.03	28.00	0.300	<300.0	18.500	<0.05	<0.03	332.00	0.16	21.4000	<0.5	1.2000	423.00	<0.05	6.70	0.04	82.10	11300.000	0.40	23.50	29.100	2.3700	396.00	0.20	<0.2	3660.00	<0.05	950.00	<3.0	0.55	1.8000	<1.0	278.000	<0.5
X5	7/13/2010	<0.03	10.00	0.300	<300.0	15.200	<0.05	<0.03	310.00	0.13	19.1000	<0.5	0.8000	285.00	<0.05	6.40	0.04	75.30	9790.000	0.60	22.30	27.500	1.5500	378.00	0.20	<0.2	3260.00	<0.05	955.00	<3.0	0.55	1.6300	<1.0	221.000	<0.5
X5	7/20/2010</																																		

Table C-4: Rose Creek Drainage Water Quality
2010 - Seepage Water - General Parameters

Station	Date	Acid(pH4.5)	Acid(pH8.3)	ALK	ALKPP	CaCO3-d	Chloride	CNTHIO	CO3	Colour	COND	CONDF	HCO3	NH3	NO2	NO2/3	NO3	OH	ORP	pH	pHF	SO4-d	TEMP-F	TSS	TURB
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	TCU	µmho/cm	µmho/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mV			mg/L	°C	mg/L	NTU
A25	5/31/2010	<0.5	2	180.00	<0.5	232	<0.5	<0.5	<0.5		359.0	428.0	220.00						<0.5	133	8.1	7.9	21.0	8	15
A30	2/4/2010	<0.5	15	21.00	<0.5	103	<0.5	<0.5	<0.5		275.0	250.0	26.00						<0.5	198	6.9	6.2	110.0	1	2
A30	2/24/2010	<0.5	11	23.00	<0.5	86	<0.5	<0.5	<0.5		224.0	188.0	28.00						<0.5	178	7.0	6.6	72.0	2	11
A30	3/2/2010	<0.5	4	24.00	<0.5	87	<0.5	<0.5	<0.5		213.0	209.0	30.00						<0.5	179	7.1	6.8	62.0	2	<1.0
A30	3/28/2010	<0.5	6	28.00	<0.5	77	<0.5	<0.5	<0.5		201.0	160.0	34.00						<0.5	48	7.3	6.9	56.0	3	<1.0
A30	4/10/2010	<0.5	14	30.00	<0.5	82	<0.5	<0.5	<0.5		202.0	160.0	37.00						<0.5	71	7.3	6.8	64.0	3	10
A30	4/19/2010	<0.5	12	30.00	<0.5	79	<0.5	<0.5	<0.5		187.0	150.0	37.00						<0.5		7.3	7.0	65.0	4	43
A30	5/1/2010	36	268	<0.5	<0.5	690	<0.5	<0.5	<0.5		1670.0	1610.0	<0.5						<0.5		3.6	3.8	920.0	5	91
A30	5/18/2010	<0.5	86	<0.5	<0.5	325	<0.5	<0.5	<0.5		752.0	132.0	0.60						<0.5	346	4.9	5.2	380.0	3	9
A30	6/2/2010	<0.5	55	<0.5	<0.5	196	<0.5	<0.5	<0.5		484.0	549.0	<0.5						<0.5		5.0	5.7	200.0	7	6
A30	6/15/2010	<0.5	28	6.20	<0.5	122	<0.5	<0.5	<0.5		320.0	296.0	7.50						<0.5	195	6.7	6.2	140.0	4	2
A30	7/7/2010	<0.5	60	3.60	<0.5	328	<0.5	<0.5	<0.5		753.0	810.0	4.40						<0.5	139	5.8	6.1	380.0	8	9
A30	7/22/2010	<0.5	25	8.40	<0.5	160	<0.5	<0.5	<0.5		410.0	371.0	10.00						<0.5	201	6.5	7.0	170.0	5	3
A30	8/5/2010	<0.5	21	13.00	<0.5	116	<0.5	<0.5	<0.5		312.0	339.0	15.00						<0.5	219	6.8	6.9	130.0	6	<1.0
A30	8/18/2010	<0.5	11	15.00	<0.5	94	<0.5	<0.5	<0.5		238.0	260.0	18.00						<0.5	143	6.8	7.7	90.0	7	2
A30	9/1/2010	<0.5	20	21.00	<0.5	87	<0.5	<0.5	<0.5		224.0	227.0	26.00						<0.5	200	7.0	6.7	85.0	6	4
A30	10/20/2010	<0.5	8	27.00	<0.5	86	<0.5	<0.5	<0.5		223.0	208.0	33.00						<0.5	105	7.4	6.6	81.0	2	4
A30	11/4/2010	<0.5	16	30.00	<0.5	93	<0.5	<0.5	<0.5		221.0	223.0	37.00						<0.5	85	7.4	7.3	75.0	2	<1.0
A30	12/1/2010	<0.5	5	29.00	<0.5	79	1.40	<0.5	<0.5		197.0	80.0	35.00						<0.5	225	7.2	6.9	73.0	1	380 69.50
A30 Average		2	37	17.22	0	161	0.31	0.25	0.25		394.8	345.7	21.06						0	169	6.6	6.4	175.2	4	32 69.50
A30 Max		36	268	30.00	<0.5	690	1.40	<0.5	<0.5		1670.0	1610.0	37.00						<0.5	346	7.4	7.7	920.0	8	380 69.50
A30 Min		<0.5	4	<0.5	<0.5	77	<0.5	<0.5	<0.5		187.0	80.0	<0.5						<0.5	48	3.6	3.8	56.0	1	<1.0 69.50
A30 N > DL		1	18	15	0	18	1	0	0	0	18	18	16	0	0	0	0	0	0	15	18	18	18	18	14 1
A30 Median		<0.5	15	21.00	<0.5	94	<0.5	<0.5	<0.5		231.0	225.0	26.00						<0.5	179	6.9	6.7	87.5	3	4 69.50
NE1	6/1/2010	<0.5	2	110.00	<0.5	233	<0.5	<0.5	<0.5		480.0	627.0	130.00						<0.5	110	7.8	7.5	150.0	13	2
SP5-6	6/1/2010	<0.5	7	170.00	<0.5	665	0.80	<0.5	<0.5		1050.0	1172.0	210.00						<0.5	123	8.0	7.5	390.0	7	2
SP5-6	7/10/2010	<0.5	18	170.00	<0.5	582	1.30	<0.5	<0.5		1080.0	1049.0	200.00						<0.5	176	7.7	7.5	420.0	6	<1.0
SP5-6	8/5/2010	<0.5	11	190.00	<0.5	787	1.10	<0.5	<0.5		1280.0	1216.0	240.00						<0.5	144	7.9	7.5	510.0	7	2
SP5-6	9/1/2010	<0.5	22	210.00	<0.5	868	1.20	<0.5	<0.5		1450.0	1439.0	250.00						<0.5		7.9	7.6	660.0	5	2
SP5-6	10/6/2010	<0.5	16	200.00	<0.5	1010	1.40	<0.5	<0.5		1590.0	1786.0	250.00						<0.5	156	8.0	6.8	790.0	3	<1.0
SP5-6 Average		0	15	188.00	0	782	1.16	0.25	0.25		1290.0	1332.4	230.00						0	150	7.9	7.4	554.0	6	1
SP5-6 Max		<0.5	22	210.00	<0.5	1010	1.40	<0.5	<0.5		1590.0	1786.0	250.00						<0.5	176	8.0	7.6	790.0	7	2
SP5-6 Min		<0.5	7	170.00	<0.5	582	0.80	<0.5	<0.5		1050.0	1049.0	200.00						<0.5	123	7.7	6.8	390.0	3	<1.0
SP5-6 N > DL		0	5	5	0	5	5	0	0	0	5	5	5	0	0	0	0	0	0	4	5	5	5	5	3 0
SP5-6 Median		<0.5	16	190.00	<0.5	787	1.20	<0.5	<0.5		1280.0	1216.0	240.00						<0.5	150	7.9	7.5	510.0	6	2
W5	6/1/2010	<0.5	9	210.00	<0.5	938	1.30	<0.5	<0.5		752.0	1680.0	260.00						<0.5	48	8.1	7.6	670.0	5	<1.0
Weir 3	3/4/2010	<0.5	32	320.00	<0.5	1100	1.60	<0.5	<0.5		1780.0	1730.0	380.00						<0.5	84	7.8	7.0	870.0	3	5
Weir 3	8/5/2010	<0.5	29	320.00	<0.5	1080	2.00	<0.5	<0.5		1840.0	1870.0	390.00						<0.5	73	7.6	7.0	890.0	10	2
Weir 3	11/4/2010										1964.0		0.78	<0.005	<0.02	<0.02			1		7.3			5	
Weir 3 Average		0	30	320.00	0	1090	1.80	0.25	0.25		1810.0	1854.7	385.00	0.78	0.00	0.01	0.01	0	53	7.7	7.1	880.0	4	4	
Weir 3 Max		<0.5	32	320.00	<0.5	1100	2.00	<0.5	<0.5		1840.0	1964.0	390.00	0.78	<0.005	<0.02	<0.02	<0.5	84	7.8	7.7	890.0	10	5	
Weir 3 Min		<0.5	29	320.00	<0.5	1080	1.60	<0.5	<0.5		1780.0	1730.0	380.00	0.78	<0.005	<0.02	<0.02	<0.5	1	7.6	6.7	870.0	1	2	
Weir 3 N > DL		0	2	2	0	2	2	0	0	0	2	3	2	1	0	0	0	0	3	2	3	2	3	2	0
Weir 3 Median		<0.5	30	320.00	<0.5	1090	1.80	<0.5	<0.5		1810.0	1870.0	385.00	0.78	<0.005	<0.02	<0.02	<0.5	73	7.7	7.1	880.0	3	4	
X11	3/4/2010	<0.5	37	330.00	<0.5	1720	2.60	<0.5	<0.5		2650.0	2460.0	400.00						<0.5	79	7.6	7.1	1500.0	3	12
X11	8/5/2010	<0.5	34	300.00	<0.5	1640	2.50	<0.5	<0.5		2540.0	2289.0	370.00						<0.5	96	7.4	6.9	1400.0	9	8
X11	11/4/2010										2582.0		0.78	<0.005	<0.02	<0.02			4		7.0			4	
X11 Average		0	36	315.00	0	1680	2.55	0.25	0.25		2595.0	2443.7	385.00	0.78	0.00	0.01	0.01	0	60	7.5	7.0	1450.0	4	10	
X11 Max		<0.5	37	330.00	<0.5	1720	2.60	<0.5	<0.5		2650.0	2582.0	400.00	0.78	<0.005	<0.02	<0.02	<0.5	96	7.6	7.4	1500.0	9	12	
X11 Min		<0.5	34	300.00	<0.5	1640	2.50	<0.5	<0.5		2540.0	2289.0	370.00	0.78	<0.005	<0.02	<0.02	<0.5	4						

Table C-4: Rose Creek Drainage Water Quality 2010 - Seepage Water - General Parameters

Station	Date	Acid(pH4.5) mg/L	Acid(pH8.3) mg/L	ALK mg/L	ALKPP mg/L	CaCO3-d mg/L	Chloride mg/L	CNTHIO mg/L	CO3 mg/L	Colour TCU	COND µmho/cm	CONDf µmho/cm	HCO3 mg/L	NH3 mg/L	NO2 mg/L	NO2/3 mg/L	NO3 mg/L	OH mg/L	ORP mV	pH	pHF	SO4-d mg/L	TEMP-F °C	TSS mg/L	TURB NTU
X12	3/4/2010	<0.5	22	260.00	<0.5	884	1.60	<0.5			1560.0	1460.0	310.00					<0.5	71	7.8	7.3	700.0	2	<1.0	
X12	8/5/2010	<0.5	17	260.00	<0.5	844	1.50	<0.5			1490.0	1243.0	310.00					<0.5	93	7.7	7.3	640.0	11	<1.0	
X12	11/4/2010											1333.0		<0.005	<0.005	0.35	0.35		5		7.1		5		
X12 Average		0	20	260.00	0	864	1.55	0.25			1525.0	1345.3	310.00	0.00	0.00	0.35	0.35	0	56	7.7	7.3	670.0	3	1	
X12 Max		<0.5	22	260.00	<0.5	884	1.60	<0.5			1560.0	1460.0	310.00	<0.005	<0.005	0.35	0.35	<0.5	93	7.8	7.6	700.0	11	<1.0	
X12 Min		<0.5	17	260.00	<0.5	844	1.50	<0.5			1490.0	1243.0	310.00	<0.005	<0.005	0.35	0.35	<0.5	5	7.7	6.6	640.0	<0.0	<1.0	
X12 N > DL		0	2	2	0	2	2	0	0	0	2	3	2	0	0	1	1	0	3	2	3	2	3	0	0
X12 Median		<0.5	20	260.00	<0.5	864	1.55	<0.5			1525.0	1333.0	310.00	<0.005	<0.005	0.35	0.35	<0.5	71	7.7	7.3	670.0	2	<1.0	
X13	1/11/2010	<0.5	23	300.00	<0.5	980	1.20	<0.0005	<0.5	10.00	1700.0	1430.0	370.00	0.55				<0.5	18	7.9	6.1	750.0	2	4	18.40
X13	2/17/2010	<0.5	22	330.00	<0.5	1330	2.20	<0.0005	<0.5	10.00	2220.0	2240.0	410.00	0.74				<0.5	58	7.8	7.2	1100.0	3	10	39.40
X13	3/2/2010	<0.5	17	330.00	<0.5	1400	2.40	<0.0005	<0.5	<5.0	2220.0	1780.0	400.00	0.71				<0.5	73	7.7	7.0	1100.0	3	11	44.70
X13	4/15/2010	<0.5	25	300.00	<0.5	1260	1.70	<0.0005	<0.5	15.00	2100.0	2220.0	370.00	0.62				<0.5		7.8	7.0	1100.0	4	7	30.80
X13	5/6/2010	<0.5	17	300.00	<0.5	1350	1.60	<0.0005	<0.5	<5.0	2240.0	2229.0	360.00	0.43				<0.5	112	7.6	7.1	1200.0	4	8	19.60
X13	6/10/2010	<0.5	27	260.00	<0.5	1440	2.30	0	<0.5	10.00	2030.0	1859.0	320.00	0.56				<0.5	103	8.0	7.0	1100.0	6	7	14.20
X13	7/11/2010	<0.5	26	300.00	<0.5	1330	1.50	<0.0005	<0.5	10.00	2160.0	1999.0	370.00	0.70				<0.5	94	7.5	7.4	1100.0	9	6	25.90
X13	8/5/2010	<0.5	33	320.00	<0.5	1270	1.50	<0.0005	<0.5	10.00	2110.0	1798.0	390.00	0.85				<0.5	54	7.5	7.1	1000.0	8	9	30.40
X13	9/2/2010	<0.5	44	340.00	<0.5	1420	1.40	<0.0005	<0.5	<5.0	2050.0	2164.0	410.00	2.10				<0.5	79	7.6	7.2	1000.0	5	9	34.20
X13	10/7/2010	<0.5	35	330.00	<0.5	1390	1.70	<0.0005	<0.5	30.00	2170.0	1270.0	410.00	1.20				<0.5	46	7.6	6.2	1100.0	5	10	41.40
X13	11/4/2010	<0.5	24	340.00	<0.5	1490	1.30	0	<0.5	20.00	2200.0	2165.0	410.00	0.89	<0.005	<0.02	<0.02	<0.5	2	7.8	7.2	1200.0	4	10	41.10
X13	12/2/2010	<0.5	27	330.00	<0.5	1430	2.40	<0.0005	<0.5	30.00	2310.0	2400.0	410.00	0.99				<0.5		7.6	7.1	1200.0	1	6	46.50
X13 Average		0	27	315.00	0	1341	1.77	0	0.25	12.71	2125.8	2005.8	385.83	0.86	0.00	0.01	0.01	0	63	7.7	7.1	1079.2	4	8	28.46
X13 Max		<0.5	44	340.00	<0.5	1490	2.40	0	<0.5	30.00	2310.0	2400.0	410.00	2.10	<0.005	<0.02	<0.02	<0.5	112	8.0	8.5	1200.0	9	11	46.50
X13 Min		<0.5	17	260.00	<0.5	980	1.20	<0.0005	<0.5	<5.0	1700.0	1270.0	320.00	0.43	<0.005	<0.02	<0.02	<0.5	2	7.5	6.1	750.0	1	4	14.20
X13 N > DL		0	12	12	0	12	12	2	0	9	12	12	12	12	0	0	0	0	11	12	12	12	12	12	12
X13 Median		<0.5	25	325.00	<0.5	1370	1.65	<0.0005	<0.5	10.00	2165.0	2145.5	395.00	0.73	<0.005	<0.02	<0.02	<0.5	58	7.7	7.1	1100.0	4	9	32.50
X23	1/12/2010	<0.5	1950	24.00	<0.5	5870	13.00	<0.5			8450.0	7990.0	29.00					<0.5	12	6.1	6.2	7600.0	0	130	
X23	4/27/2010	597	2420	<0.5	<0.5	3470	5.40	<0.5			7030.0	>3999.0	<0.5					<0.5	478	2.9	3.0	6700.0	3	240	
X23	5/6/2010	<0.5	1000	75.00	<0.5	5280	13.00	<0.5			7450.0	>3999.0	92.00					<0.5	66	6.3	6.6	7400.0	0	180	
X23	6/10/2010	<0.5	1170	13.00	<0.5	5870	16.00	<0.5			7920.0	>3999.0	16.00					<0.5	59	5.9	7.0	7900.0	14	200	
X23	7/10/2010	<0.5	1230	32.00	<0.5	5520	14.00	<0.5			8090.0	3999.0	39.00					<0.5	29	5.9	6.2	8000.0	15	190	
X23	8/5/2010	<0.5	1130	56.00	<0.5	5610	15.00	<0.5			7900.0	7450.0	68.00					<0.5	69	6.3	7.1	7300.0	13	180	
X23	9/2/2010	<0.5	1070	59.00	<0.5	5670	14.00	<0.5			7900.0	>3999.0	72.00					<0.5	66	6.3	6.2	7400.0	4	190	
X23	10/7/2010	<0.5	1030	36.00	<0.5	5630	15.00	<0.5			7610.0	4300.0	44.00					<0.5	36	6.1	6.2	7400.0	2	210	
X23	11/4/2010	<0.5	1030	90.00	<0.5	5770	14.00	<0.5			7740.0	>3999.0	110.00					<0.5	24	6.8	6.6	7600.0	3	170	
X23 Average		67	1337	42.81	0	5410	13.27	0.25			7787.8	4859.3	52.25					0	93	5.8	6.4	7477.8	7	188	
X23 Max		597	2420	90.00	<0.5	5870	16.00	<0.5			8450.0	7990.0	110.00					<0.5	478	6.8	7.3	8000.0	19	240	
X23 Min		<0.5	1000	<0.5	<0.5	3470	5.40	<0.5			7030.0	>3999.0	<0.5					<0.5	12	2.9	3.0	6700.0	0	130	
X23 N > DL		1	9	8	0	9	9	0	0	0	9	4	8	0	0	0	0	0	9	9	9	9	9	9	0
X23 Median		<0.5	1130	36.00	<0.5	5630	14.00	<0.5			7900.0	>3999.0	44.00					<0.5	59	6.1	6.5	7400.0	5	190	

Table C-5: Rose Creek Drainage Water Quality
2010 - Seepage Water - Dissolved Metals

Station	Date	Ag-d	Al-d	As-d	Ba-d	B-d	Be-d	Bi-d	Ca-d	Cd-d	Co-d	Cr-d	Cu-d	Fe-d	Hg-d	K-d	Li-d	Mg-d	Mn-d	Mo-d	Na-d	Ni-d	Pb-d	Sb-d	S-d	Se-d	Si-d	Sn-d	Sr-d	Ti-d	Tl-d	U-d	V-d	Zn-d	Zr-d
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
A25	5/31/2010	<0.02	10.00	<0.1	77.000	<50.0	<0.1	<1.0	66.60	0.03	<0.5	<1.0	0.6000	24.00	<0.02	2.19	0.010	16.00	5.000	<1.0	3.34	<1.0	1.7000	<0.5	9	0.2000	2730.00	<5.0	554.00	<5.0	<0.05	1.6000	<5.0	21.000	<0.5
A30	2/4/2010	0.0340	141.00	0.04	18.700	<50.0	0.26	<0.005	20.20	8.37	5.4700	0.30	52.0000	<1.0	0.77	0.012	12.70	229.000	0.30	2.31	24.100	9.0700	<0.02	37	0.2700	6510.00	<0.01	89.40	<0.5	0.02	0.7140	<0.2	6840.000	<0.1	
A30	2/24/2010	0.0240	74.40	0.05	20.200	<50.0	0.12	<0.005	18.40	4.48	1.8200	0.30	25.3000	<1.0	0.71	0.009	9.85	88.500	0.33	2.34	14.400	4.9500	<0.02	25	0.2900	5300.00	<0.01	77.70	<0.5	0.02	0.6270	<0.2	4240.000	<0.1	
A30	3/2/2010	0.0200	63.70	0.04	20.800	<50.0	0.11	<0.005	18.80	4.22	1.3400	0.30	21.2000	9.00	0.79	0.009	9.66	70.400	0.35	2.44	12.800	11.4000	0.03	27	0.3000	5880.00	0.05	78.50	<0.5	0.02	0.5780	<0.2	3950.000	<0.1	
A30	3/28/2010	<0.02	28.00	<0.1	21.000	<50.0	<0.1	<1.0	17.60	2.69	0.6000	<1.0	11.8000	<5.0	<0.02	0.67	0.008	8.10	29.000	<1.0	2.20	10.000	2.7000	<0.5	20	0.3000	6120.00	<5.0	79.00	<5.0	<0.05	0.5000	<5.0	2960.000	<0.5
A30	4/10/2010	<0.02	26.00	0.20	24.000	<50.0	<0.1	<1.0	18.40	2.81	0.8000	<1.0	10.1000	8.00	<0.02	0.72	0.008	8.80	35.000	<1.0	2.27	10.000	2.8000	<0.5	20	0.3000	5450.00	<5.0	83.00	<5.0	<0.05	0.4000	<5.0	3250.000	<0.5
A30	4/19/2010	<0.02	39.00	<0.1	24.000	<50.0	<0.1	<1.0	18.20	2.62	1.6000	<1.0	11.5000	15.00	<0.02	0.75	0.008	8.12	56.000	<1.0	2.11	9.000	4.1000	<0.5	22	0.3000	5730.00	<5.0	75.00	<5.0	<0.05	0.4000	<5.0	2770.000	<0.5
A30	5/1/2010	0.5200	13500.00	1.60	30.000	<200.0	5.90	<4.0	79.50	158.00	301.0000	7.00	1430.0000	6320.00	<0.08	1.90	0.051	119.00	8030.000	<4.0	3.80	303.000	417.0000	<2.0	350	0.6000	12100.00	<20.0	352.00	<20.0	0.60	12.9000	<20.0	109000.000	<2.0
A30	5/18/2010	0.0600	6140.00	0.50	23.000	<50.0	3.40	<1.0	46.20	61.00	92.0000	<1.0	675.0000	51.00	<0.02	1.57	0.029	50.90	2640.000	<1.0	3.34	121.000	114.0000	<0.5	141	0.3000	10800.00	<5.0	202.00	<5.0	0.06	6.5000	<5.0	40800.000	<0.5
A30	6/2/2010	0.0900	2580.00	0.20	19.000	<50.0	1.80	<1.0	28.80	31.50	31.9000	<1.0	340.0000	28.00	<0.02	1.14	0.022	30.10	1060.000	2.00	2.88	64.000	79.5000	<0.5	79	0.2000	9710.00	<5.0	128.00	<5.0	<0.05	3.2000	<5.0	22000.000	<0.5
A30	6/15/2010	0.0700	599.00	<0.1	20.000	<50.0	0.60	<1.0	20.30	14.00	9.1000	<1.0	120.0000	8.00		0.91	0.016	17.30	366.000	<1.0	2.55	32.000	29.9000	<0.5	48	0.2000	7310.00	<5.0	99.00	<5.0	<0.05	1.2000	<5.0	9350.000	<0.5
A30	7/7/2010	0.1200	1130.00	0.40	24.000	<50.0	0.90	<1.0	51.70	44.50	61.1000	2.00	277.0000	28.00		1.41	0.022	48.20	1790.000	2.00	3.59	107.000	54.6000	<0.5	128	0.4000	12000.00	<5.0	247.00	<5.0	0.11	2.1000	<5.0	35000.000	<0.5
A30	7/22/2010	0.0800	476.00	<0.1	15.000	<50.0	0.50	<1.0	27.80	18.90	12.2000	<1.0	121.0000	10.00		1.10	0.017	22.10	481.000	<1.0	2.73	45.000	23.5000	<0.5	64	0.2000	8560.00	<5.0	120.00	<5.0	<0.05	0.9000	<5.0	13500.000	<0.5
A30	8/5/2010	0.0500	226.00	<0.1	16.000	<50.0	0.20	<1.0	20.70	11.90	4.7000	<1.0	68.8000	<5.0		0.86	0.012	15.70	201.000	<1.0	2.23	31.000	13.1000	<0.5	44	<0.1	7050.00	<5.0	86.00	<5.0	<0.05	0.6000	<5.0	9930.000	<0.5
A30	8/18/2010	0.0300	105.00	<0.1	21.000	<50.0	0.20	<1.0	18.10	6.80	1.8000	<1.0	37.9000	<5.0		0.84	0.011	11.90	71.000	<1.0	2.56	20.000	7.9000	<0.5	35	0.2000	6360.00	<5.0	79.00	<5.0	<0.05	0.4000	<5.0	5880.000	<0.5
A30	9/1/2010	0.0300	61.00	<0.1	21.000	<50.0	<0.1	<1.0	16.40	4.73	0.9000	<1.0	23.3000	9.00		0.76	0.010	11.10	30.000	<1.0	2.45	16.000	5.2000	<0.5	30	0.2000	6340.00	<5.0	75.00	<5.0	<0.05	0.3000	<5.0	4950.000	<0.5
A30	10/20/2010	0.0120	22.20	<0.02	18.700	<50.0	0.05	<0.005	17.50	3.09	0.2930	0.40	10.0000	3.00		0.63	0.009	10.20	4.820	0.20	2.14	13.200	2.8400	<0.02	26	0.2000	4930.00	0.02	78.60	<0.5	0.01	0.2730	<0.2	3930.000	<0.1
A30	11/4/2010	<0.02	19.00	<0.1	19.000	<50.0	<0.1	<1.0	18.80	2.66	<0.5	<1.0	8.0000	<5.0	0.04	0.71	0.010	11.20	5.000	<1.0	2.53	13.000	1.9000	<0.5	27	0.2000	5880.00	<5.0	81.00	<5.0	<0.05	0.2000	<5.0	4140.000	<0.5
A30	12/1/2010	<0.02	6.00	<0.1	22.000	<50.0	<0.1	<1.0	17.00	2.17	<0.5	<1.0	5.3000	<5.0		0.68	0.008	8.93	3.000	<1.0	2.09	11.000	0.9000	<0.5	21	0.2000	5370.00	<5.0	76.00	<5.0	<0.05	0.2000	<5.0	3280.000	<0.5
A30 Average		0.0661	1402.02	0.19	20.967	29.17	0.80	0.47	26.36	21.36	29.2846	0.91	180.4556	361.25	0.02	0.94	0.015	22.99	843.873	0.70	2.59	47.583	43.6311	0.24	64	0.2617	7300.00	2.37	117.01	2.42	0.06	1.7773	2.38	15876.111	0.25
A30 Max		0.5200	13500.00	1.60	30.000	<200.0	5.90	<4.0	79.50	158.00	301.0000	7.00	1430.0000	6320.00	<0.08	1.90	0.051	119.00	8030.000	<4.0	3.80	303.000	417.0000	<2.0	350	0.6000	12100.00	<20.0	352.00	<20.0	0.60	12.9000	<20.0	109000.000	<2.0
A30 Min		0.0120	6.00	<0.02	15.000	<50.0	0.05	<0.005	16.40	2.17	0.2930	0.30	5.3000	<1.0	<0.02	0.63	0.008	8.10	3.000	0.20	2.09	9.000	0.9000	<0.02	20	<0.1	4930.00	<0.01	75.00	<0.5	0.01	0.2000	<0.2	2770.000	<0.1
A30 N > DL		13	18	8	18	0	12	0	18	18	16	6	18	11	1	18	18	18	18	6	18	18	18	1	18	17	18	2	18	0	7	18	0	18	0
A30 Median		0.0300	89.70	<0.1	20.900	<50.0	0.16	<1.0	18.80	5.77	1.8100	<1.0	31.6000	8.00	<0.02	0.78	0.011	11.55	79.750	<1.0	2.45	18.000	8.4850	<0.5	33	0.2350	6350.00	<5.0	82.00	<5.0	<0.05	0.5890	<5.0	5415.000	<0.5
NE1	6/1/2010	<0.005	12.70	0.26	22.400	<50.0	<0.01	0.01	62.50	0.33	1.2500	<0.1	1.6000	310.00		2.48	0.011	18.60	205.000	5.06	3.38	2.830	1.0300	0.07	47	0.3300	4230.00	<0.01	273.00	<0.5	0.01	0.8430	<0.2	549.000	<0.1
SP5-6	6/1/2010	<0.02	75.00	0.30	22.000	<50.0	<0.1	<1.0	117.00	3.55	5.3000	<1.0	7.0000	56.00	<0.02	4.14	0.032	90.60	240.000	<1.0	6.61	31.000	1.4000	<0.5	168	0.8000	6780.00	<5.0	446.00	<5.0	0.06	3.6000	<5.0	2950.000	<0.5
SP5-6	7/10/2010	<0.005	144.00	0.27	20.400	<50.0	0.06	<0.005	101.00	3.47	9.8700	<0.1	7.3100	54.00		3.52	0.025	80.00	382.000	0.22	5.78	33.800	1.5400	0.05	157	0.3900	5800.00	0.04	410.00	<0.5	0.06	3.8600	<0.2	2860.000	<0.1
SP5-6	8/5/2010	<0.02	144.00	0.20	22.000	<50.0	<0.1	<1.0	143.00	3.82	13.6000	<1.0	7.0000	63.00		4.16	0.030	104.00	477.000	<1.0	7.27	38.000	1.6000	<0.5	215	0.4000	7740.00	<5.0	489.00	<5.0	0.06	5.8000	<5.0	3220.000	<0.5
SP5-6	9/1/2010	<0.02	139.00	0.20	25.000	<50.0	<0.1	<1.0	141.00	4.32	20.5000	<1.0	8.6000	68.00		4.60	0.035																		

Table C-5: Rose Creek Drainage Water Quality
2010 - Seepage Water - Dissolved Metals

Station	Date	Ag-d	Al-d	As-d	Ba-d	B-d	Be-d	Bi-d	Ca-d	Cd-d	Co-d	Cr-d	Cu-d	Fe-d	Hg-d	K-d	Li-d	Mg-d	Mn-d	Mo-d	Na-d	Ni-d	Pb-d	Sb-d	S-d	Se-d	Si-d	Sn-d	Sr-d	Ti-d	Tl-d	U-d	V-d	Zn-d	Zr-d
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
X23	5/6/2010	0.2800	16.00	<0.4	17.000	<200.0	<0.4	<4.0	525.00	99.10	1280.0000	<4.0	1.8000	211000.00	17.80	0.202	964.00	96700.000	<4.0	63.50	1350.000	<0.8	<2.0	2350	<0.4	8200.00	<20.0	4090.00	<20.0	1.40	15.2000	<20.0	625000.000	<2.0	
X23	6/10/2010	0.4000	<30.0	<1.0	18.000	<500.0	<1.0	<10.0	493.00	105.00	1370.0000	<10.0	5.0000	187000.00	<0.2	18.50	0.201	1130.00	106000.000	<10.0	69.10	1450.000	<2.0	<5.0	2600	<1.0	8350.00	<50.0	4450.00	<50.0	1.80	11.0000	<50.0	642000.000	<5.0
X23	7/10/2010	0.6100	<10.0	<0.4	16.000	<200.0	<0.4	<4.0	494.00	100.00	1410.0000	<4.0	5.2000	180000.00	19.50	0.206	1040.00	113000.000	<4.0	67.90	1490.000	0.9000	<2.0	2690	<0.4	8260.00	<20.0	4310.00	<20.0	1.90	9.0000	<20.0	645000.000	<2.0	
X23	8/5/2010	0.6000	<30.0	<1.0	16.000	<500.0	<1.0	<10.0	487.00	92.60	1350.0000	<10.0	5.0000	170000.00	18.00	0.195	1070.00	109000.000	<10.0	64.40	1480.000	<2.0	<5.0	2630	<1.0	7770.00	<50.0	3950.00	<50.0	1.60	12.0000	<50.0	693000.000	<5.0	
X23	9/2/2010	0.4000	33.00	<1.0	18.000	<500.0	<1.0	<10.0	433.00	89.40	1410.0000	<10.0	9.0000	163000.00	19.20	0.215	1110.00	114000.000	<10.0	71.00	1530.000	6.0000	<5.0	2630	<1.0	7510.00	<50.0	4190.00	<50.0	1.80	12.0000	<50.0	711000.000	<5.0	
X23	10/7/2010	0.4500	<6.0	0.30	15.000	<100.0	<0.2	<2.0	484.00	79.10	1500.0000	<2.0	3.5000	166000.00	18.10	0.201	1070.00	111000.000	3.00	66.00	1550.000	<0.4	<1.0	2360	<0.2	7190.00	<10.0	4320.00	<10.0	1.70	11.2000	<10.0	655000.000	<1.0	
X23	11/4/2010	0.5000	<60.0	<2.0	<20.0	<1000.0	<2.0	<20.0	500.00	75.70	1310.0000	<20.0	6.0000	177000.00	<0.4	18.00	0.223	1100.00	105000.000	<20.0	71.00	1410.000	<4.0	<10.0	2470	<2.0	8340.00	<100.0	4140.00	<100.0	2.00	13.0000	<100.0	665000.000	<10.0
X23 Average		0.5189	3846.67	8.24	15.111	175.00	1.76	3.50	478.67	165.54	1394.4444	8.78	545.6667	205000.00	0.10	17.27	0.205	1023.67	105888.889	3.72	63.43	1496.667	100.1889	1.80	2482	0.4556	8344.44	17.50	3992.22	17.50	1.84	15.3778	17.50	702777.778	1.97
X23 Max		0.7700	34500.00	70.50	<20.0	<1,000.0	12.70	<20.0	525.00	685.00	1610.0000	48.00	4860.0000	346000.00	<0.4	19.50	0.223	1130.00	120000.000	<20.0	71.00	1710.000	890.0000	<10.0	2690	<2.0	12300.00	<100.0	4450.00	<100.0	2.56	46.6000	<100.0	850000.000	<10.0
X23 Min		0.2800	<6.0	0.30	11.000	<50.0	<0.2	<1.0	385.00	75.70	1280.0000	<2.0	1.8000	163000.00	<0.04	9.04	0.181	609.00	78300.000	<1.0	32.00	1350.000	<0.4	0.70	1970	<0.2	7180.00	<5.0	2420.00	<5.0	1.40	8.4000	<5.0	625000.000	<1.0
X23 N > DL		9	3	3	8	0	1	0	9	9	9	1	9	9	1	9	9	9	9	1	9	9	3	1	9	2	9	0	9	0	9	9	9	9	1
X23 Median		0.5000	<30.0	<1.0	16.000	<200.0	<1.0	<4.0	493.00	99.10	1370.0000	<10.0	5.2000	180000.00	0.10	18.00	0.202	1070.00	109000.000	<4.0	66.00	1490.000	<2.0	<2.0	2600	0.8000	8200.00	<20.0	4140.00	<20.0	1.80	12.0000	<20.0	665000.000	2.20

NB: Metals reported in mg/L are shaded in gray.

Table C-6: Rose Creek Drainage Water Quality
2010 - Groundwater - General Parameters

Station	Date	Acid(pH4.5) mg/L	Acid(pH8.3) mg/L	ALK mg/L	ALKP mg/L	CaCO3-d mg/L	Chloride mg/L	CO3 mg/L	COND µmho/cm	CONDf µmho/cm	FLOW L/s	HCO3 mg/L	OH mg/L	pH	pHF	SO4-d mg/L	TEMP-F °C	TSS mg/L
BH10A	9/16/2010	<0.5	170	230.00	<0.5	346	2.30	<0.5	795.0	826.3		280.00	<0.5	6.4	5.7	160.0	5	8
BH10B	9/16/2010	<0.5	289	380.00	<0.5	539	1.40	<0.5	1070.0	1010.0		460.00	<0.5	6.3	5.5	190.0	4	21
BH13B	9/21/2010			82.00	<0.5	745		<0.5	1290.0	984.0		100.00	<0.5	7.5	8.3	560.0		9
BH14A	6/11/2010	<0.5	75	440.00	<0.5	2970	12.00	<0.5	4000.0	3413.0		530.00	<0.5	7.8	6.8	2600.0	8	130
BH14A	9/21/2010	<0.5	75	430.00	<0.5	2760	11.00	<0.5	3880.0	2594.0		520.00	<0.5	7.6	7.0	2200.0	5	160
BH14A Average		0	75	435.00	0	2865	11.50	0.25	3940.0	3003.5		525.00	0	7.7	6.9	2400.0	7	145
BH14A N > DL		0	2	2	0	2	2	0	2	2	0	2	0	2	2	2	2	2
BH14B	6/11/2010	<0.5	59	420.00	<0.5	3010	12.00	<0.5	4010.0	3508.0		510.00	<0.5	7.6	6.8	2600.0	5	1300
BH14B	9/21/2010	<0.5	62	450.00	<0.5	2960	11.00	<0.5	4020.0	2702.0		550.00	<0.5	7.6	7.3	2400.0	5	150
BH14B Average		0	60	435.00	0	2985	11.50	0.25	4015.0	3105.0		530.00	0	7.6	7.0	2500.0	5	725
BH14B N > DL		0	2	2	0	2	2	0	2	2	0	2	0	2	2	2	2	2
BH5	9/16/2010	<0.5	243	230.00	<0.5	297	1.40	<0.5	667.0	710.2		280.00	<0.5	6.2	5.6	130.0	6	1800
BH6	9/16/2010	<0.5	31	110.00	<0.5	181	<0.5	<0.5	413.0	450.8		140.00	<0.5	7.2	6.1	95.0	4	290
BH8	9/18/2010	<0.5	1320	<0.5	<0.5	1560	<0.5	<0.5	3830.0	3828.0		<0.5	<0.5	4.1	4.4	3100.0	7	170
P01-01A	6/6/2010	<0.5	26	280.00	<0.5	1120	1.30	<0.5	1700.0	1019.0		340.00	<0.5	8.0	6.4	770.0	3	<1.0
P01-01A	9/8/2010	<0.5	26	290.00	<0.5	1100	1.50	<0.5	1960.0	1660.0		360.00	<0.5	7.5	8.2	880.0	8	2
P01-01A Average		0	26	285.00	0	1110	1.40	0.25	1830.0	1339.5		350.00	0	7.8	7.3	825.0	5	1
P01-01A N > DL		0	2	2	0	2	2	0	2	2	0	2	0	2	2	2	2	1
P01-01B	6/6/2010	<0.5	15	240.00	<0.5	782	1.20	<0.5	1230.0	920.0		300.00	<0.5	8.1	6.4	480.0	5	10
P01-01B	9/8/2010	<0.5	15	260.00	<0.5	766	1.10	<0.5	1340.0	1131.0		310.00	<0.5	7.6	7.3	490.0	8	2
P01-01B Average		0	15	250.00	0	774	1.15	0.25	1285.0	1025.5		305.00	0	7.8	6.8	485.0	6	6
P01-01B N > DL		0	2	2	0	2	2	0	2	2	0	2	0	2	2	2	2	2
P01-02A	6/6/2010	<0.5	8	220.00	<0.5	432	<0.5	<0.5	697.0	817.0		270.00	<0.5	8.0	7.4	170.0	6	3
P01-02A	9/8/2010	<0.5	3	260.00	<0.5	423	<0.5	<0.5	794.0	830.0		310.00	<0.5	8.0	7.4	180.0	6	24
P01-02A Average		0	6	240.00	0	428	0.25	0.25	745.5	823.5		290.00	0	8.0	7.4	175.0	6	14
P01-02A N > DL		0	2	2	0	2	0	0	2	2	0	2	0	2	2	2	2	2
P01-02B	6/6/2010	<0.5	5	200.00	<0.5	312	<0.5	<0.5	512.0	530.0		240.00	<0.5	8.2	7.5	100.0	5	33
P01-02B	9/8/2010	<0.5	6	220.00	<0.5	285	<0.5	<0.5	562.0	610.0		270.00	<0.5	7.9	7.5	83.0	6	33
P01-02B Average		0	5	210.00	0	299	0.25	0.25	537.0	570.0		255.00	0	8.1	7.5	91.5	6	33
P01-02B N > DL		0	2	2	0	2	0	0	2	2	0	2	0	2	2	2	2	2
P01-03	6/7/2010	<0.5	86	370.00	<0.5	2490	3.20	<0.5	3620.0	3450.0		450.00	<0.5	7.4	6.4	2600.0	6	9
P01-03	9/9/2010	<0.5	90	370.00	<0.5	2380	3.30	<0.5	3680.0	3890.0		450.00	<0.5	6.7	6.2	1900.0	5	920
P01-03 Average		0	88	370.00	0	2435	3.25	0.25	3650.0	3670.0		450.00	0	7.1	6.3	2250.0	5	465
P01-03 N > DL		0	2	2	0	2	2	0	2	2	0	2	0	2	2	2	2	2
P01-04A	6/7/2010	<0.5	37	580.00	<0.5	495	6.30	<0.5	1050.0	1010.0		700.00	<0.5	7.8	6.8	40.0	7	2
P01-04A	9/9/2010	<0.5	40	590.00	<0.5	454	6.20	<0.5	1140.0	1230.0		720.00	<0.5	7.3	7.0	44.0	6	2
P01-04A Average		0	39	585.00	0	475	6.25	0.25	1095.0	1120.0		710.00	0	7.5	6.9	42.0	7	2
P01-04A N > DL		0	2	2	0	2	2	0	2	2	0	2	0	2	2	2	2	2
P01-04B	9/9/2010	<0.5	26	340.00	<0.5	1160	1.00	<0.5	2060.0	2200.0		420.00	<0.5	7.3	6.9	930.0	5	19
P01-11	6/6/2010	<0.5	54	330.00	<0.5	1910	2.60	<0.5	2760.0	3020.0		410.00	<0.5	7.6	6.9	1400.0	6	68
P01-11	9/8/2010	<0.5	53	350.00	<0.5	1750	2.70	<0.5	2880.0	3280.0		430.00	<0.5	7.2	6.7	1500.0	8	190
P01-11 Average		0	53	340.00	0	1830	2.65	0.25	2820.0	3150.0		420.00	0	7.4	6.8	1450.0	7	129
P01-11 N > DL		0	2	2	0	2	2	0	2	2	0	2	0	2	2	2	2	2
P03-01-2	9/21/2010	<0.5	2	210.00	3	214	<0.5	4.10	409.0	441.4		240.00	<0.5	8.4	7.3	22.0	5	2
P03-01-4	9/21/2010	<0.5	29	34.00	<0.5	55	<0.5	<0.5	167.0	175.7		41.00	<0.5	6.9	6.9	43.0	5	6
P03-01-6	9/21/2010	<0.5	370	4.80	<0.5	215	0.90	<0.5	1110.0	1157.0		5.80	<0.5	5.8	6.6	620.0	7	430
P03-01-8	9/21/2010	145	21700	<0.5	<0.5	3390	<5.0	<0.5	22100.0	15510.0		<0.5	<0.5	3.5	6.1	29000.0	6	480
P03-03-2	9/21/2010	6	1390	<0.5	<0.5	434	0.80	<0.5	2750.0	2595.0		<0.5	<0.5	4.2	5.4	1900.0	6	11
P03-03-4	9/21/2010	<0.5	431	23.00	<0.5	613	0.80	<0.5	1650.0	1664.0		28.00	<0.5	6.2	6.1	930.0	5	19

Table C-6: Rose Creek Drainage Water Quality 2010 - Groundwater - General Parameters

Station	Date	Acid(pH4.5) mg/L	Acid(pH8.3) mg/L	ALK mg/L	ALKP mg/L	CaCO3-d mg/L	Chloride mg/L	CO3 mg/L	COND µmho/cm	CONDf µmho/cm	FLOW L/s	HCO3 mg/L	OH mg/L	pH	pHF	SO4-d mg/L	TEMP-F °C	TSS mg/L
P03-03-6	9/21/2010	<0.5	3650	<0.5	<0.5	1500	<0.5	<0.5	6410.0	28.7		<0.5	<0.5	4.8	6.4	6500.0	6	160
P03-04-2	9/20/2010	<0.5	38	130.00	<0.5	821	1.30	<0.5	1510.0	1294.0		160.00	<0.5	7.2	6.8	750.0	6	83
P03-04-4	9/20/2010	<0.5	36	210.00	<0.5	544	1.20	<0.5	1300.0	1249.0		260.00	<0.5	7.4	7.4	480.0	6	210
P03-04-6	9/20/2010	<0.5	2900	<0.5	<0.5	1760	0.60	<0.5	5440.0	5926.0		<0.5	<0.5	6.2	7.0	5200.0	6	130
P03-04-8	9/20/2010	16	5660	<0.5	<0.5	1400	<0.5	<0.5	8100.0	8162.0		<0.5	<0.5	3.9	6.3	9000.0	5	2400
P03-05-2	9/22/2010	<0.5	91	90.00	<0.5	758	3.50	<0.5	1480.0	1563.0		110.00	<0.5	6.9	6.8	860.0	4	11
P03-05-4	9/22/2010	<0.5	52	120.00	<0.5	658	<0.5	<0.5	1250.0	1258.0		150.00	<0.5	7.3	7.0	620.0	4	7
P03-05-6	9/22/2010	<0.5	839	<0.5	<0.5	2140	1.60	<0.5	4790.0	4428.0		<0.5	<0.5	4.6	6.7	3500.0	4	74
P03-06-1	6/14/2010	<0.5	214	56.00	<0.5	2370	2.00	<0.5	3850.0	3875.0		69.00	<0.5	6.2	5.4	3100.0	10	320
P03-06-1	9/22/2010	<0.5	532	82.00	<0.5	2450	5.10	<0.5	3900.0	3352.0		100.00	<0.5	6.1	6.2	2900.0	4	69
P03-06-1 Average		0	373	69.00	0	2410	3.55	0.25	3875.0	3613.5		84.50	0	6.1	5.8	3000.0	7	195
P03-06-1 N > DL		0	2	2	0	2	2	0	2	2	0	2	0	2	2	2	2	2
P03-06-2	6/14/2010	71	700	<0.5	<0.5	1980	2.90	<0.5	4000.0	4105.0		<0.5	<0.5	4.2	5.3	3200.0	7	910
P03-06-2	9/22/2010	<0.5	835	46.00	<0.5	2280	1.80	<0.5	3910.0	3365.0		56.00	<0.5	5.8	6.1	3000.0	4	280
P03-06-2 Average		36	768	23.13	0	2130	2.35	0.25	3955.0	3858.3		28.13	0	5.0	5.6	3100.0	6	595
P03-06-2 N > DL		1	2	1	0	2	2	0	2	3	0	1	0	2	3	2	3	2
P03-06-3	6/14/2010	7	1600	<0.5	<0.5	1690	4.40	<0.5	4530.0	4611.0		<0.5	<0.5	4.3	5.4	4200.0	6	2400
P03-06-3	9/22/2010	<0.5	2050	31.00	<0.5	1740	4.20	<0.5	4640.0	3824.0		38.00	<0.5	5.5	6.2	4100.0	4	140
P03-06-3 Average		3	1825	15.63	0	1715	4.30	0.25	4585.0	4217.5		19.13	0	4.9	5.8	4150.0	5	1270
P03-06-3 N > DL		1	2	1	0	2	2	0	2	2	0	1	0	2	2	2	2	2
P03-06-4	6/14/2010	<0.5	269	23.00	<0.5	1160	3.50	<0.5	2210.0	2515.0		28.00	<0.5	5.6	6.2	1400.0	10	980
P03-06-4	9/22/2010	<0.5	642	91.00	<0.5	1300	3.60	<0.5	2600.0	2516.0		110.00	<0.5	6.2	6.7	1700.0	4	300
P03-06-4 Average		0	456	57.00	0	1230	3.55	0.25	2405.0	2515.5		69.00	0	5.9	6.4	1550.0	7	640
P03-06-4 N > DL		0	2	2	0	2	2	0	2	2	0	2	0	2	2	2	2	2
P03-06-5	6/14/2010	<0.5	313	2.60	<0.5	494	2.80	<0.5	1370.0	1761.0		3.10	<0.5	5.2	6.4	840.0	10	910
P03-06-5	9/22/2010	<0.5	827	43.00	<0.5	2700	5.60	<0.5	3570.0	2933.0		53.00	<0.5	6.0	6.9	2800.0	3	900
P03-06-5 Average		0	570	22.80	0	1597	4.20	0.25	2470.0	2347.0		28.05	0	5.6	6.7	1820.0	7	905
P03-06-5 N > DL		0	2	2	0	2	2	0	2	2	0	2	0	2	2	2	2	2
P03-08-2	9/20/2010	<0.5	23	250.00	<0.5	347	<0.5	<0.5	678.0	732.0		300.00	<0.5	7.7	8.2	110.0	5	8
P03-08-4	9/20/2010	<0.5	43	310.00	<0.5	633	1.10	<0.5	1260.0	1327.0		380.00	<0.5	7.4	7.1	390.0	7	1900
P03-08-6	9/20/2010	<0.5	3	25.00	<0.5	198	5.30	<0.5	948.0	924.0		30.00	<0.5	7.2	7.5	390.0	6	270
P03-08-7	9/20/2010	<0.5	2	77.00	<0.5	52	6.90	<0.5	612.0	569.0		94.00	<0.5	7.9	7.9	180.0	6	42
P03-09-2	9/13/2010	<0.5	26	320.00	<0.5	691	2.60	<0.5	1300.0	1430.0		390.00	<0.5	7.9	7.0	410.0	6	10
P03-09-4	9/13/2010	<0.5	21	280.00	<0.5	858	0.90	<0.5	1550.0	1670.0		340.00	<0.5	7.8	7.0	610.0	5	5
P03-09-6	9/13/2010	<0.5	23	290.00	<0.5	948	1.20	<0.5	1670.0	1822.0		350.00	<0.5	7.8	6.9	690.0	6	10
P03-09-8	9/13/2010	<0.5	23	290.00	<0.5	956	1.30	<0.5	1700.0	1748.0		350.00	<0.5	7.8	7.0	720.0	6	9
P03-09-9	9/13/2010	<0.5	22	280.00	<0.5	944	1.30	<0.5	1670.0	1811.0		350.00	<0.5	7.8	6.9	680.0	5	200
P05-01-1	9/9/2010	<0.5	52	370.00	<0.5	1720	2.30	<0.5	2790.0	2990.0		450.00	<0.5	7.0	6.6	1500.0	5	23
P05-01-2	9/9/2010	<0.5	56	350.00	<0.5	1780	2.20	<0.5	2820.0	3103.0		430.00	<0.5	7.0	6.7	1500.0	3	36
P05-01-3	9/9/2010	<0.5	57	360.00	<0.5	1770	2.10	<0.5	2790.0	3063.0		440.00	<0.5	7.0	6.6	1500.0	5	49
P05-01-4	9/9/2010	<0.5	43	340.00	<0.5	1690	2.00	<0.5	2770.0	2972.0		420.00	<0.5	7.0	6.6	1500.0	6	930
P05-01-5	9/9/2010	<0.5	34	290.00	<0.5	1410	1.60	<0.5	2400.0	2586.0		350.00	<0.5	7.1	6.7	1300.0	5	20
P05-01-6	9/9/2010	<0.5	38	300.00	<0.5	1550	1.70	<0.5	2510.0	2655.0		370.00	<0.5	7.1	6.6	1300.0	7	280
P05-02	6/6/2010	<0.5	53	370.00	<0.5	1780	2.30	<0.5	2720.0	2552.0		450.00	<0.5	7.5	6.5	1400.0	4	110
P05-02	9/8/2010	<0.5	36	360.00	<0.5	1550	1.90	<0.5	2630.0	2910.0		440.00	<0.5	7.1	6.6	1400.0	10	370
P05-02 Average		0	44	365.00	0	1665	2.10	0.25	2675.0	2731.0		445.00	0	7.3	6.5	1400.0	7	240
P05-02 N > DL		0	2	2	0	2	2	0	2	2	0	2	0	2	2	2	2	2
P05-03	6/8/2010	<0.5	30	300.00	<0.5	982	1.60	<0.5	1610.0	1598.0		360.00	<0.5	8.1	6.9	730.0	6	20
P05-03	9/8/2010	<0.5	18	290.00	<0.5	799	1.10	<0.5	1520.0	1640.0		350.00	<0.5	7.4	7.0	610.0	7	96

Table C-6: Rose Creek Drainage Water Quality
2010 - Groundwater - General Parameters

Station	Date	Acid(pH4.5) mg/L	Acid(pH8.3) mg/L	ALK mg/L	ALKP mg/L	CaCO3-d mg/L	Chloride mg/L	CO3 mg/L	COND µmho/cm	CONDf µmho/cm	FLOW L/s	HCO3 mg/L	OH mg/L	pH	pHF	SO4-d mg/L	TEMP-F °C	TSS mg/L
P05-03 Average		0	24	295.00	0	891	1.35	0.25	1565.0	1619.0		355.00	0	7.8	7.0	670.0	7	58
P05-03 N > DL		0	2	2	0	2	2	0	2	2	0	2	0	2	2	2	2	2
P05-04	9/16/2010	<0.5	32	140.00	<0.5	185	0.90	<0.5	383.0	366.9		170.00	<0.5	7.4	6.1	58.0	4	110
P09-C1	6/7/2010	<0.5	45	410.00	<0.5	1590	2.80	<0.5	2510.0	2609.0		500.00	<0.5	7.6	6.6	1200.0	6	64
P09-C1	9/15/2010	<0.5	38	410.00	<0.5	1350	2.80	<0.5	2630.0	2560.0		510.00	<0.5	7.8	6.6	1200.0	8	54
P09-C1 Average		0	42	410.00	0	1470	2.80	0.25	2570.0	2584.5		505.00	0	7.7	6.6	1200.0	7	59
P09-C1 N > DL		0	2	2	0	2	2	0	2	2	0	2	0	2	2	2	2	2
P09-C2	6/8/2010	<0.5	156	1700.00	<0.5	1040	25.00	<0.5	2670.0	2620.0		2100.00	<0.5	7.0	6.3	0.7	11	15
P09-C2	9/15/2010	<0.5	198	1700.00	<0.5	965	23.00	<0.5	2770.0	2726.0		2000.00	<0.5	7.1	6.1	13.0	6	29
P09-C2 Average		0	177	1700.00	0	1003	24.00	0.25	2720.0	2673.0		2050.00	0	7.1	6.2	6.9	8	22
P09-C2 N > DL		0	2	2	0	2	2	0	2	2	0	2	0	2	2	2	2	2
P09-C3	6/8/2010	<0.5	42	540.00	<0.5	498	5.40	<0.5	1070.0	1087.0		650.00	<0.5	7.8	6.5	94.0	6	5
P09-C3	9/15/2010	<0.5	42	520.00	<0.5	524	4.50	<0.5	1070.0	1070.0		630.00	<0.5	7.8	6.5	89.0	5	120
P09-C3 Average		0	42	530.00	0	511	4.95	0.25	1070.0	1078.5		640.00	0	7.8	6.5	91.5	6	63
P09-C3 N > DL		0	2	2	0	2	2	0	2	2	0	2	0	2	2	2	2	2
P09-ETA1	9/16/2010	<0.5	6	190.00	<0.5	188	0.50	<0.5	421.0	440.2		230.00	<0.5	7.9	7.6	31.0	4	250
P09-ETA2	9/15/2010	<0.5	333	140.00	<0.5	3710	15.00	<0.5	5190.0	5390.0		170.00	<0.5	6.7	6.3	4500.0	11	120
P09-SIS1	7/25/2010	<0.5	1090	170.00	<0.5	8020	5.70	<0.5	9670.0	9050.0		210.00	<0.5	6.7	6.2	11000.0	7	1500
P09-SIS1	11/2/2010	<0.5	462	300.00	<0.5	7950	5.30	<0.5	8110.0	>3999.0		360.00	<0.5	7.2	6.3	7800.0	4	3900
P09-SIS1 Average		0	776	235.00	0	7985	5.50	0.25	8890.0	6524.5		285.00	0	7.0	6.2	9400.0	6	2700
P09-SIS1 N > DL		0	2	2	0	2	2	0	2	2	0	2	0	2	2	2	2	2
P09-SIS2	6/9/2010	<0.5	992	160.00	<0.5	9130	6.10	<0.5	9950.0	>3999.0		200.00	<0.5	6.9	5.8	11000.0	7	120
P09-SIS2	7/24/2010	<0.5	1070	180.00	<0.5	6990	<50.0	<0.5	8730.0	9180.0		220.00	<0.5	6.6	6.2	8400.0	7	3300
P09-SIS2	9/13/2010	<0.5	830	200.00	<0.5	7800	5.90	<0.5	9190.0	9480.0		240.00	<0.5	7.0	5.8	9700.0	10	1500
P09-SIS2	11/2/2010	<0.5	917	190.00	<0.5	7270	6.40	<0.5	9340.0	>3999.0		230.00	<0.5	6.9	6.1	8800.0	6	1500
P09-SIS2 Average		0	952	182.50	0	7798	10.85	0.25	9302.5	6664.5		222.50	0	6.9	6.0	9475.0	8	1605
P09-SIS2 Max		<0.5	1070	200.00	<0.5	9130	<50.0	<0.5	9950.0	9480.0		240.00	<0.5	7.0	6.2	11000.0	10	3300
P09-SIS2 Min		<0.5	830	160.00	<0.5	6990	5.90	<0.5	8730.0	3999.0		200.00	<0.5	6.6	5.8	8400.0	6	120
P09-SIS2 N > DL		0	4	4	0	4	3	0	4	4	0	4	0	4	4	4	4	4
P09-SIS2 Median		<0.5	955	185.00	<0.5	7535	6.25	<0.5	9265.0	6589.5		225.00	<0.5	6.9	6.0	9250.0	7	1500
P09-SIS3	6/9/2010	<0.5	1160	180.00	<0.5	8010	6.30	<0.5	10000.0	>3999.0		220.00	<0.5	6.9	6.0	11000.0	8	480
P09-SIS3	7/24/2010	<0.5	860	170.00	<0.5	5820	4.90	<0.5	7720.0	4160.0		210.00	<0.5	6.7	8.3	7200.0	5	1600
P09-SIS3	9/14/2010	<0.5	913	190.00	<0.5	7850	6.20	<0.5	9500.0	9580.0		230.00	<0.5	7.0	6.1	9500.0	8	1300
P09-SIS3	11/2/2010	<0.5	908	180.00	<0.5	7140	6.60	<0.5	9020.0	>3999.0		220.00	<0.5	7.0	6.2	9300.0	4	2600
P09-SIS3 Average		0	960	180.00	0	7205	6.00	0.25	9060.0	5434.5		220.00	0	6.9	6.7	9250.0	6	1495
P09-SIS3 Max		<0.5	1160	190.00	<0.5	8010	6.60	<0.5	10000.0	9580.0		230.00	<0.5	7.0	8.3	11000.0	8	2600
P09-SIS3 Min		<0.5	860	170.00	<0.5	5820	4.90	<0.5	7720.0	3999.0		210.00	<0.5	6.7	6.0	7200.0	4	480
P09-SIS3 N > DL		0	4	4	0	4	4	0	4	4	0	4	0	4	4	4	4	4
P09-SIS3 Median		<0.5	911	180.00	<0.5	7495	6.25	<0.5	9260.0	4079.5		220.00	<0.5	7.0	6.1	9400.0	7	1450
P96-6	6/15/2010	<0.5	44	320.00	<0.5	724	0.70	<0.5	1170.0	1140.0		390.00	<0.5	7.6	6.4	350.0	3	300
P96-6	9/21/2010	<0.5	55	290.00	<0.5	837	<0.5	<0.5	1350.0	1010.0		350.00	<0.5	7.3	7.1	480.0	8	180
P96-6 Average		0	49	305.00	0	781	0.48	0.25	1260.0	1096.7		370.00	0	7.4	6.6	415.0	5	240
P96-6 N > DL		0	2	2	0	2	1	0	2	3	0	2	0	2	3	2	3	2
P96-7	6/11/2010	<0.5	26	230.00	<0.5	2290	0.70	<0.5	3090.0	2644.0		280.00	<0.5	7.9	7.5	1900.0	16	1600
P96-7	9/14/2010	<0.5	24	210.00	<0.5	2480	<0.5	<0.5	3310.0	3570.0		250.00	<0.5	7.8	7.2	2400.0	5	420
P96-7 Average		0	25	220.00	0	2385	0.48	0.25	3200.0	3107.0		265.00	0	7.9	7.4	2150.0	11	1010
P96-7 N > DL		0	2	2	0	2	1	0	2	2	0	2	0	2	2	2	2	2

Table C-6: Rose Creek Drainage Water Quality
2010 - Groundwater - General Parameters

Station	Date	Acid(pH4.5) mg/L	Acid(pH8.3) mg/L	ALK mg/L	ALKP mg/L	CaCO3-d mg/L	Chloride mg/L	CO3 mg/L	COND µmho/cm	CONDf µmho/cm	FLOW L/s	HCO3 mg/L	OH mg/L	pH	pHF	SO4-d mg/L	TEMP-F °C	TSS mg/L
P96-8A	6/9/2010	<0.5	922	48.00	<0.5	6210	13.00	<0.5	7780.0	>3999.0		59.00	<0.5	5.9	5.1	7300.0	8	31
P96-8A	9/14/2010	<0.5	802	110.00	<0.5	6040	10.00	<0.5	7780.0	>3999.0		140.00	<0.5	6.3	5.1	6800.0	10	11
P96-8A Average		0	862	79.00	0	6125	11.50	0.25	7780.0	3999.0		99.50	0	6.1	5.1	7050.0	9	21
P96-8A N > DL		0	2	2	0	2	2	0	2	2	0	2	0	2	2	2	2	2
P96-8B	6/9/2010	<0.5	1060	<0.5	<0.5	5490	13.00	<0.5	7380.0	>3999.0		<0.5	<0.5	4.8	4.3	6800.0	8	4
P96-8B	9/15/2010	<0.5	912	<0.5	<0.5	5420	13.00	<0.5	7540.0	7630.0		<0.5	<0.5	4.7	4.6	7300.0	11	20
P96-8B Average		0	986	0.25	0	5455	13.00	0.25	7460.0	5814.5		0.25	0	4.8	4.4	7050.0	10	12
P96-8B N > DL		0	2	0	0	2	2	0	2	2	0	0	0	2	2	2	2	2
S1A	6/9/2010	<0.5	21	62.00	<0.5	323	0.60	<0.5	656.0	561.0		75.00	<0.5	6.9	6.5	250.0	5	2
S1A	9/14/2010	<0.5	18	69.00	<0.5	138	<0.5	<0.5	332.0	302.0		84.00	<0.5	7.1	7.3	100.0	6	520
S1A Average		0	19	65.50	0	231	0.43	0.25	494.0	431.5		79.50	0	7.0	6.9	175.0	5	261
S1A N > DL		0	2	2	0	2	1	0	2	2	0	2	0	2	2	2	2	2
S2A	6/9/2010	<0.5	120	410.00	<0.5	854	1.70	<0.5	1470.0	1238.0		510.00	<0.5	7.0	5.8	520.0	4	1200
S2A	9/14/2010	<0.5	166	380.00	<0.5	793	1.90	<0.5	1370.0	1226.0		470.00	<0.5	6.7	6.1	380.0	6	320
S2A Average		0	143	395.00	0	824	1.80	0.25	1420.0	1232.0		490.00	0	6.9	5.9	450.0	5	760
S2A N > DL		0	2	2	0	2	2	0	2	2	0	2	0	2	2	2	2	2
S2B	9/14/2010	<0.5	606	170.00	<0.5	6630	5.30	<0.5	8000.0	>3999.0		210.00	<0.5	6.9	6.1	7700.0	7	560
SRK04-3A	9/22/2010			54.00	<0.5	5140		<0.5	8130.0	8172.0		65.00	<0.5	5.7	5.2	8800.0	8	
SRK05-ETA-BR1	9/22/2010			78.00	<0.5	4120		<0.5	7370.0	7350.0		95.00	<0.5	5.8	5.2	7300.0	5	
SRK05-ETA-BR2	9/22/2010			100.00	<0.5	1590		<0.5	2660.0	2845.0		120.00	<0.5	6.8	6.5	1600.0	5	
SRK05-SP1A	9/14/2010			240.00	<0.5	903		<0.5	1700.0	1790.0		290.00	<0.5	6.3	5.5	770.0	5	
SRK05-SP1B	9/14/2010			340.00	<0.5	540		<0.5	996.0	1050.0		410.00	<0.5	7.4	6.3	170.0	7	
SRK05-SP2	9/14/2010			150.00	<0.5	185		<0.5	379.0	370.0		190.00	<0.5	7.2	6.4	42.0	4	
SRK05-SP3A	9/14/2010			290.00	<0.5	779		<0.5	1410.0	1430.0		360.00	<0.5	6.6	5.7	490.0	3	
SRK05-SP3B	9/14/2010			290.00	<0.5	616		<0.5	1190.0	1330.0		360.00	<0.5	6.5	6.0	320.0	3	
SRK05-SP4A	6/9/2010	<0.5	129	300.00	<0.5	527	1.70	<0.5	1040.0	872.0		370.00	<0.5	6.7	5.7	270.0	11	12
SRK05-SP4A	9/13/2010	<0.5	159	320.00	<0.5	544	2.70	<0.5	1080.0	119.0		390.00	<0.5	6.7	5.9	240.0	6	4
SRK05-SP4A Average		0	144	310.00	0	536	2.20	0.25	1060.0	495.5		380.00	0	6.7	5.8	255.0	9	8
SRK05-SP4A N > DL		0	2	2	0	2	2	0	2	2	0	2	0	2	2	2	2	2
SRK05-SP5	9/14/2010	<0.5	542	260.00	<0.5	4470	4.10	<0.5	6260.0	6060.0		320.00	<0.5	6.8	5.9	5300.0	6	120
SRK08-P10A	6/9/2010	<0.5	84	530.00	<0.5	2250	130.00	<0.5	3630.0	3012.0		650.00	<0.5	7.4	6.3	1700.0	5	1300
SRK08-P11A	6/9/2010	<0.5	12	170.00	<0.5	427	<0.5	<0.5	764.0	623.0		210.00	<0.5	7.9	7.1	260.0	5	4
SRK08-P11A	9/15/2010	<0.5	7	170.00	<0.5	431	<0.5	<0.5	770.0	860.0		210.00	<0.5	7.9	6.8	240.0	4	110
SRK08-P11A Average		0	10	170.00	0	429	0.25	0.25	767.0	741.5		210.00	0	7.9	7.0	250.0	5	57
SRK08-P11A N > DL		0	2	2	0	2	0	0	2	2	0	2	0	2	2	2	2	2
SRK08-P11B	6/9/2010	<0.5	15	150.00	<0.5	523	<0.5	<0.5	928.0	767.0		180.00	<0.5	8.1	6.9	370.0	4	6
SRK08-P11B	9/15/2010	<0.5	14	170.00	<0.5	664	<0.5	<0.5	1180.0	1370.0		200.00	<0.5	7.8	6.5	480.0	6	30
SRK08-P11B Average		0	14	160.00	0	594	0.25	0.25	1054.0	1068.5		190.00	0	8.0	6.7	425.0	5	18
SRK08-P11B N > DL		0	2	2	0	2	0	0	2	2	0	2	0	2	2	2	2	2
SRK08-P12A	9/16/2010	<0.5	311	560.00	<0.5	635	0.90	<0.5	1240.0	1135.0		680.00	<0.5	6.5	5.7	130.0	4	41
SRK08-P12B	9/16/2010	<0.5	214	400.00	<0.5	466	<0.5	<0.5	889.0	965.7		480.00	<0.5	6.4	5.7	89.0	3	140
SRK08-SBR2	9/14/2010	<0.5	173	390.00	<0.5	840	1.60	<0.5	1440.0	1510.0		470.00	<0.5	6.8	5.9	440.0	4	1100
SRK08-SBR3	9/14/2010	<0.5	57	670.00	<0.5	1920	0.90	<0.5	2940.0	2407.0		820.00	<0.5	7.6	7.0	1200.0	8	160
SRK08-SBR4	9/14/2010	<0.5	87	170.00	<0.5	1700	1.40	<0.5	2440.0	2288.0		210.00	<0.5	7.2	6.4	1300.0	3	850

Table C-6: Rose Creek Drainage Water Quality
2010 - Groundwater - General Parameters

Station	Date	Acid(pH4.5) mg/L	Acid(pH8.3) mg/L	ALK mg/L	ALKP mg/L	CaCO3-d mg/L	Chloride mg/L	CO3 mg/L	COND µmho/cm	CONDf µmho/cm	FLOW L/s	HCO3 mg/L	OH mg/L	pH	pHF	SO4-d mg/L	TEMP-F °C	TSS mg/L
SRK08-SP7A	6/9/2010	<0.5	145	100.00	<0.5	1740	2.50	<0.5	2720.0	2755.0		130.00	<0.5	6.5	5.9	1800.0	4	16
SRK08-SP7A	7/25/2010	<0.5	148	120.00	<0.5	1490	4.80	<0.5	2390.0	2290.0		150.00	<0.5	6.5	6.5	1600.0	5	15
SRK08-SP7A	9/13/2010	<0.5	121	120.00	<0.5	1330	3.60	<0.5	2170.0	2380.0		150.00	<0.5	6.8	6.1	1200.0	6	9
SRK08-SP7A	11/2/2010	<0.5	99	110.00	<0.5	1320	0.80	<0.5	1900.0	1614.0		130.00	<0.5	6.9	6.4	1000.0	3	55
SRK08-SP7A Average		0	128	112.50	0	1470	2.93	0.25	2295.0	2259.8		140.00	0	6.7	6.2	1400.0	5	24
SRK08-SP7A Max		<0.5	148	120.00	<0.5	1740	4.80	<0.5	2720.0	2755.0		150.00	<0.5	6.9	6.5	1800.0	6	55
SRK08-SP7A Min		<0.5	99	100.00	<0.5	1320	0.80	<0.5	1900.0	1614.0		130.00	<0.5	6.5	5.9	1000.0	3	9
SRK08-SP7A N > DL		0	4	4	0	4	4	0	4	4	0	4	0	4	4	4	4	4
SRK08-SP7A Median		<0.5	133	115.00	<0.5	1410	3.05	<0.5	2280.0	2335.0		140.00	<0.5	6.7	6.3	1400.0	5	16
SRK08-SP7B	6/9/2010	<0.5	23	66.00	<0.5	162	<0.5	<0.5	367.0	356.0		80.00	<0.5	7.3	7.0	120.0	2	19
SRK08-SP7B	7/25/2010	<0.5	20	55.00	<0.5	78	<0.5	<0.5	196.0	170.0		67.00	<0.5	6.9	7.4	41.0	170	4
SRK08-SP7B	9/13/2010	<0.5	18	57.00	<0.5	107	<0.5	<0.5	211.0	250.0		70.00	<0.5	7.2	6.8	42.0	7	4
SRK08-SP7B	11/2/2010	<0.5	23	66.00	<0.5	128	<0.5	<0.5	249.0	246.0		80.00	<0.5	7.3	6.8	56.0	4	64
SRK08-SP7B Average		0	21	61.00	0	119	0.25	0.25	255.8	255.5		74.25	0	7.2	7.0	64.8	38	23
SRK08-SP7B Max		<0.5	23	66.00	<0.5	162	<0.5	<0.5	367.0	356.0		80.00	<0.5	7.3	7.4	120.0	170	64
SRK08-SP7B Min		<0.5	18	55.00	<0.5	78	<0.5	<0.5	196.0	170.0		67.00	<0.5	6.9	6.8	41.0	2	4
SRK08-SP7B N > DL		0	4	4	0	4	0	0	4	4	0	4	0	4	4	4	4	5
SRK08-SP7B Median		<0.5	21	61.50	<0.5	118	<0.5	<0.5	230.0	248.0		75.00	<0.5	7.2	6.9	49.0	6	12
SRK08-SP8A	9/13/2010	<0.5	114	320.00	<0.5	1180	3.30	<0.5	1950.0	2250.0		390.00	<0.5	7.0	6.2	860.0	6	21
SRK08-SP8B	9/13/2010	<0.5	96	270.00	<0.5	880	2.70	<0.5	1560.0	1770.0		330.00	<0.5	6.9	6.3	640.0	3	34
SRK08-SPW1	1/6/2010	<0.5	170	350.00	<0.5	704	2.20	<0.5	1240.0	1115.0		420.00	<0.5	6.6	5.8	360.0	2	5
SRK08-SPW1	2/17/2010	<0.5	101	330.00	<0.5	557	2.10	<0.5	1150.0	1070.0		400.00	<0.5	7.1	6.2	250.0	3	9
SRK08-SPW1	3/9/2010	<0.5	170	300.00	<0.5	651	1.80	<0.5	1050.0	1090.0		360.00	<0.5	7.3	6.0	230.0	3	9
SRK08-SPW1	4/13/2010	<0.5	167	310.00	<0.5	517	2.10	<0.5	1080.0	1040.0	0.89	370.00	<0.5	6.8	6.1	280.0	4	37
SRK08-SPW1	5/3/2010	<0.5	51	300.00	<0.5	566	1.40	<0.5	1040.0	945.0	0.51	370.00	<0.5	7.1	6.0	340.0	2	12
SRK08-SPW1	6/13/2010	<0.5	108	270.00	<0.5	577	2.90	<0.5	1070.0	1125.0	0.52	330.00	<0.5	6.5	7.6	280.0	3	17
SRK08-SPW1	7/10/2010	<0.5	148	300.00	<0.5	591	2.20	<0.5	1100.0	1220.0	1.13	370.00	<0.5	6.4	6.0	280.0	4	19
SRK08-SPW1	8/3/2010	<0.5		310.00	<0.5	579	1.20	<0.5	1080.0	1150.0		380.00	<0.5	6.4	6.4	300.0	3	12
SRK08-SPW1	9/1/2010	<0.5	154	300.00	<0.5	571	1.10	<0.5	1090.0	1360.0	1.12	370.00	<0.5	7.0	6.7	300.0	5	24
SRK08-SPW1	10/7/2010	<0.5	134	290.00	<0.5	589	2.20	<0.5	1060.0	760.0	1.13	360.00	<0.5	6.7	6.5	290.0	3	27
SRK08-SPW1	11/8/2010	<0.5	132	290.00	<0.5	576	1.80	<0.5	1050.0	986.0	1.13	350.00	<0.5	6.8	6.0	280.0	2	20
SRK08-SPW1 Average		0	134	304.55	0	589	1.91	0.25	1091.8	1078.3	0.92	370.91	0	6.8	6.3	290.0	3	17
SRK08-SPW1 Max		<0.5	170	350.00	<0.5	704	2.90	<0.5	1240.0	1360.0	1.13	420.00	<0.5	7.3	7.6	360.0	5	37
SRK08-SPW1 Min		<0.5	51	270.00	<0.5	517	1.10	<0.5	1040.0	760.0	0.51	330.00	<0.5	6.4	5.8	230.0	2	5
SRK08-SPW1 N > DL		0	10	11	0	11	11	0	11	11	7	11	0	11	11	11	11	11
SRK08-SPW1 Median		<0.5	141	300.00	<0.5	577	2.10	<0.5	1080.0	1090.0	1.12	370.00	<0.5	6.8	6.1	280.0	3	17
SRK08-SPW2	1/6/2010	<0.5	334	230.00	<0.5	3910	3.80	<0.5	5140.0	>3999.0		280.00	<0.5	6.7	5.8	4200.0	3	<1.0
SRK08-SPW2	2/17/2010	<0.5	287	220.00	<0.5	3430	6.70	<0.5	4840.0	4310.0		270.00	<0.5	7.2	6.0	3800.0	3	<1.0
SRK08-SPW2	3/9/2010	<0.5	384	220.00	<0.5	3410	3.20	<0.5	4370.0	3970.0		270.00	<0.5	7.3	6.1	3000.0	3	3
SRK08-SPW2	4/13/2010	<0.5	372	230.00	<0.5	2660	3.00	<0.5	4150.0	3960.0	1.28	280.00	<0.5	6.8	6.1	3700.0	4	4
SRK08-SPW2	5/3/2010	<0.5	230	230.00	<0.5	3060	2.90	<0.5	4340.0	3676.0	1.34	290.00	<0.5	7.0	6.3	3400.0	2	3
SRK08-SPW2	6/13/2010	<0.5	281	190.00	<0.5	2820	3.00	<0.5	3900.0	3794.0	1.44	230.00	<0.5	6.7	8.0	2800.0	3	<4.0
SRK08-SPW2	7/10/2010	<0.5	272	220.00	<0.5	2700	2.30	<0.5	3840.0	3587.0	1.42	270.00	<0.5	6.7	6.1	2800.0	3	4
SRK08-SPW2	8/3/2010	<0.5		220.00	<0.5	2550	2.40	<0.5	3910.0	4390.0		260.00	<0.5	7.0	6.3	2800.0	4	6
SRK08-SPW2	9/1/2010	<0.5	279	210.00	<0.5	2530	2.20	<0.5	3890.0	4160.0	1.41	260.00	<0.5	7.2	6.3	2700.0	3	4
SRK08-SPW2	10/7/2010	<0.5	260	200.00	<0.5	2730	2.50	<0.5	3830.0	2250.0	1.36	240.00	<0.5	6.9	6.3	2700.0	4	6
SRK08-SPW2	11/8/2010	<0.5	266	200.00	<0.5	2460	2.80	<0.5	4000.0	3304.0	1.36	250.00	<0.5	6.9	6.2	2800.0	3	7
SRK08-SPW2	12/1/2010	<0.5	279	210.00	<0.5	2760	3.00	<0.5	4130.0	>3999.0	1.36	250.00	<0.5	6.9	6.4	3000.0	2	2

Table C-6: Rose Creek Drainage Water Quality
2010 - Groundwater - General Parameters

Station	Date	Acid(pH4.5) mg/L	Acid(pH8.3) mg/L	ALK mg/L	ALKP mg/L	CaCO3-d mg/L	Chloride mg/L	CO3 mg/L	COND µmho/cm	CONDf µmho/cm	FLOW L/s	HCO3 mg/L	OH mg/L	pH	pHF	SO4-d mg/L	TEMP-F °C	TSS mg/L
SRK08-SPW2 Average		0	295	215.00	0	2918	3.15	0.25	4195.0	3783.3	1.37	262.50	0	6.9	6.3	3141.7	3	4
SRK08-SPW2 Max		<0.5	384	230.00	<0.5	3910	6.70	<0.5	5140.0	4390.0	1.44	290.00	<0.5	7.3	8.0	4200.0	4	7
SRK08-SPW2 Min		<0.5	230	190.00	<0.5	2460	2.20	<0.5	3830.0	2250.0	1.28	230.00	<0.5	6.7	5.8	2700.0	2	<1.0
SRK08-SPW2 N > DL		0	11	12	0	12	12	0	12	12	8	12	0	12	12	12	12	9
SRK08-SPW2 Median		<0.5	279	220.00	<0.5	2745	2.95	<0.5	4065.0	3965.0	1.36	265.00	<0.5	6.9	6.2	2900.0	3	3
SRK08-SPW3	1/6/2010	<0.5	489	250.00	<0.5	3970	4.40	<0.5	5390.0	>3999.0		300.00	<0.5	6.7	5.7	4300.0	3	12
SRK08-SPW3	2/17/2010	<0.5	619	210.00	<0.5	4860	5.10	<0.5	6620.0	5800.0		260.00	<0.5	7.2	5.9	5800.0	4	21
SRK08-SPW3	3/9/2010	<0.5	663	230.00	<0.5	4350	3.90	<0.5	5690.0	4820.0		280.00	<0.5	6.9	6.1	4400.0	4	9
SRK08-SPW3	4/13/2010	<0.5	759	210.00	<0.5	4240	4.30	<0.5	6210.0	5860.0	2.69	260.00	<0.5	6.9	6.2	6300.0	8	9
SRK08-SPW3	5/3/2010	<0.5	694	140.00	<0.5	5720	5.10	<0.5	3360.0	>3999.0	5.11	180.00	<0.5	7.3	6.2	7300.0	3	13
SRK08-SPW3	6/13/2010	<0.5	503	170.00	<0.5	4140	4.00	<0.5	5440.0	>3999.0	2.75	210.00	<0.5	6.8	7.8	5100.0	4	11
SRK08-SPW3	7/10/2010	<0.5	377	240.00	<0.5	3050	3.00	<0.5	4160.0	3890.0	2.70	290.00	<0.5	6.5	5.9	3000.0	5	17
SRK08-SPW3	8/3/2010			200.00	<0.5	3770	3.50	<0.5	5510.0	5830.0		240.00	<0.5	6.8	6.1	4700.0	6	14
SRK08-SPW3	9/1/2010	<0.5	403	230.00	<0.5	2840	2.50	<0.5	4220.0	4450.0	2.69	280.00	<0.5	7.0	6.2	3200.0	4	13
SRK08-SPW3	10/7/2010	<0.5	534	200.00	<0.5	4090	3.70	<0.5	5540.0	3360.0	2.55	240.00	<0.5	7.0	6.2	4600.0	5	30
SRK08-SPW3	11/8/2010	<0.5	489	210.00	<0.5	3390	4.00	<0.5	5520.0	>3999.0	2.49	250.00	<0.5	6.8	5.7	4600.0	4	13
SRK08-SPW3	12/1/2010	<0.5	560	200.00	<0.5	4480	4.30	<0.5	5440.0	>3999.0	2.65	250.00	<0.5	6.6	6.1	5100.0	4	8
SRK08-SPW3 Average		0	554	207.50	0	4075	3.98	0.25	5258.3	4500.4	2.95	253.33	0	6.9	6.2	4866.7	4	14
SRK08-SPW3 Max		<0.5	759	250.00	<0.5	5720	5.10	<0.5	6620.0	5860.0	5.11	300.00	<0.5	7.3	7.8	7300.0	8	30
SRK08-SPW3 Min		<0.5	377	140.00	<0.5	2840	2.50	<0.5	3360.0	3360.0	2.49	180.00	<0.5	6.5	5.7	3000.0	3	8
SRK08-SPW3 N > DL		0	11	12	0	12	12	0	12	12	8	12	0	12	12	12	12	12
SRK08-SPW3 Median		<0.5	534	210.00	<0.5	4115	4.00	<0.5	5475.0	>3999.0	2.69	255.00	<0.5	6.9	6.1	4650.0	4	13
TH86-17	9/9/2010			82.00	<0.5	89		<0.5	181.0	190.0		100.00	<0.5	7.6	7.1	14.0	11	
TH86-2	9/13/2010			120.00	<0.5	140		<0.5	289.0	187.0		150.00	<0.5	7.9	8.4	30.0	4	
TH86-5	9/9/2010			430.00	<0.5	416		<0.5	795.0	836.0		530.00	<0.5	7.3	6.9	27.0	7	
X16A	6/7/2010	<0.5	<0.5	170.00	2	202	<0.5	2.30	356.0	340.0		200.00	<0.5	8.3	7.6	32.0	6	<1.0
X16A	9/8/2010	<0.5	4	190.00	<0.5	180	<0.5	<0.5	365.0	337.0		230.00	<0.5	7.8	7.4	23.0	7	<1.0
X16A Average		0	2	180.00	1	191	0.25	1.28	360.5	339.0		215.00	0	8.0	7.5	27.5	6	1
X16A N > DL		0	1	2	1	2	0	1	2	3	0	2	0	2	3	2	3	0
X16B	6/7/2010	<0.5	3	190.00	<0.5	249	<0.5	<0.5	399.0	390.0		240.00	<0.5	8.2	7.8	29.0	6	2
X16B	9/8/2010	<0.5	3	200.00	<0.5	219	<0.5	<0.5	432.0	392.0		240.00	<0.5	7.9	7.5	27.0	6	2
X16B Average		0	3	195.00	0	234	0.25	0.25	415.5	391.0		240.00	0	8.1	7.7	28.0	6	2
X16B N > DL		0	2	2	0	2	0	0	2	2	0	2	0	2	2	2	2	2
X17A	6/8/2010	<0.5	8	280.00	<0.5	360	<0.5	<0.5	573.0	633.0		340.00	<0.5	8.1	7.4	54.0	5	2
X17A	9/8/2010	<0.5	7	230.00	<0.5	280	<0.5	<0.5	517.0	519.0		280.00	<0.5	7.8	7.5	39.0	7	32
X17A Average		0	7	255.00	0	320	0.25	0.25	545.0	576.0		310.00	0	8.0	7.4	46.5	6	17
X17A N > DL		0	2	2	0	2	0	0	2	2	0	2	0	2	2	2	2	2
X17B	6/8/2010	<0.5	23	400.00	<0.5	582	5.80	<0.5	1090.0	1110.0		490.00	<0.5	7.7	6.9	220.0	5	15
X17B	9/8/2010	<0.5	20	390.00	<0.5	440	4.60	<0.5	899.0	801.0		470.00	<0.5	7.5	6.9	89.0	6	14
X17B Average		0	22	395.00	0	511	5.20	0.25	994.5	955.5		480.00	0	7.6	6.9	154.5	6	15
X17B N > DL		0	2	2	0	2	2	0	2	2	0	2	0	2	2	2	2	2
X18A	6/7/2010	<0.5	27	240.00	<0.5	1170	3.10	<0.5	1700.0	1807.0		300.00	<0.5	8.0	6.9	820.0	5	42
X18A	9/8/2010	<0.5	24	240.00	<0.5	943	1.00	<0.5	1500.0	1351.0		290.00	<0.5	7.2	6.9	650.0	5	13
X18A Average		0	25	240.00	0	1057	2.05	0.25	1600.0	1579.0		295.00	0	7.6	6.9	735.0	5	28
X18A N > DL		0	2	2	0	2	2	0	2	2	0	2	0	2	2	2	2	2
X18B	6/7/2010	<0.5	27	270.00	<0.5	1200	1.00	<0.5	1730.0	1727.0		340.00	<0.5	8.1	6.9	810.0	5	<1.0
X18B	9/8/2010	<0.5	18	250.00	<0.5	1000	1.00	<0.5	1650.0	1399.0		300.00	<0.5	7.5	7.0	710.0	5	<1.0
X18B Average		0	22	260.00	0	1100	1.00	0.25	1690.0	1563.0		320.00	0	7.8	6.9	760.0	5	1
X18B N > DL		0	2	2	0	2	2	0	2	2	0	2	0	2	2	2	2	0

Table C-6: Rose Creek Drainage Water Quality
2010 - Groundwater - General Parameters

Station	Date	Acid(pH4.5) mg/L	Acid(pH8.3) mg/L	ALK mg/L	ALKPP mg/L	CaCO3-d mg/L	Chloride mg/L	CO3 mg/L	COND µmho/cm	CONDf µmho/cm	FLOW L/s	HCO3 mg/L	OH mg/L	pH	pHF	SO4-d mg/L	TEMP-F °C	TSS mg/L
X21-96A	6/11/2010	<0.5	22700	<0.5	<0.5	3220	<0.5	<0.5	17500.0	>3999.0		<0.5	<0.5	3.6	5.4	21000.0	6	370
X21-96A	9/22/2010	77	13900	<0.5	<0.5	3380	<0.5	<0.5	17900.0	17530.0		<0.5	<0.5	3.7	5.1	20000.0	5	150
X21-96A Average		39	18300	0.25	0	3300	0.25	0.25	17700.0	10764.5		0.25	0	3.6	5.2	20500.0	6	260
X21-96A N > DL		1	2	0	0	2	0	0	2	2	0	0	0	2	2	2	2	2
X21-96B	6/11/2010	<0.5	294	35.00	<0.5	1110	6.20	<0.5	2360.0	2274.0		43.00	<0.5	5.9	6.6	1500.0	6	54
X21-96B	9/22/2010	<0.5	783	110.00	<0.5	1220	3.20	<0.5	2810.0	3008.0		130.00	<0.5	6.3	6.3	1800.0	4	63
X21-96B Average		0	539	72.50	0	1165	4.70	0.25	2585.0	2641.0		86.50	0	6.1	6.4	1650.0	5	59
X21-96B N > DL		0	2	2	0	2	2	0	2	2	0	2	0	2	2	2	2	2
X24-96D	6/7/2010	<0.5	93	440.00	<0.5	2840	3.00	<0.5	3910.0	3660.0		540.00	<0.5	7.4	6.4	2800.0	6	2
X24-96D	9/9/2010	<0.5	91	440.00	<0.5	2620	3.20	<0.5	3950.0	4370.0		540.00	<0.5	6.9	6.3	2700.0	4	32
X24-96D Average		0	92	440.00	0	2730	3.10	0.25	3930.0	4015.0		540.00	0	7.1	6.3	2750.0	5	17
X24-96D N > DL		0	2	2	0	2	2	0	2	2	0	2	0	2	2	2	2	2
X25-96A	6/7/2010	<0.5	23	280.00	<0.5	818	0.60	<0.5	1420.0	1390.0		350.00	<0.5	8.0	7.2	570.0	6	<1.0
X25-96A	9/9/2010	<0.5	18	290.00	<0.5	787	0.60	<0.5	1550.0	1710.0		350.00	<0.5	7.4	7.0	580.0	5	<1.0
X25-96A Average		0	21	285.00	0	803	0.60	0.25	1485.0	1550.0		350.00	0	7.7	7.1	575.0	5	1
X25-96A N > DL		0	2	2	0	2	2	0	2	2	0	2	0	2	2	2	2	0
X25-96B	6/7/2010	<0.5	11	250.00	<0.5	680	0.60	<0.5	1270.0	1270.0		310.00	<0.5	8.1	7.5	450.0	6	3
X25-96B	9/9/2010	<0.5	11	260.00	<0.5	633	0.70	<0.5	1370.0	1430.0		320.00	<0.5	7.8	7.4	480.0	6	2
X25-96B Average		0	11	255.00	0	657	0.65	0.25	1320.0	1350.0		315.00	0	8.0	7.5	465.0	6	3
X25-96B N > DL		0	2	2	0	2	2	0	2	2	0	2	0	2	2	2	2	2
X26	5/5/2010	<0.5	249	280.00	<0.5	3940	4.40	<0.5	5300.0	>3999.0	18.17	350.00	<0.5	6.5	6.3	4800.0	3	57
X26	6/13/2010	<0.5	288	340.00	<0.5	3040	4.00	<0.5	4190.0	>3999.0	15.28	410.00	<0.5	6.4	7.6	3000.0	4	21
X26	7/10/2010	<0.5	292	380.00	<0.5	2710	3.30	<0.5	4120.0	3999.0	23.00	470.00	<0.5	6.6	6.3	2700.0	4	47
X26	8/3/2010			340.00	<0.5	3120	3.30	<0.5	4620.0	>3999.0		410.00	<0.5	6.4	6.2	3700.0	7	57
X26	9/1/2010	<0.5	469	280.00	<0.5	3390	4.00	<0.5	5060.0	>3999.0	13.19	340.00	<0.5	6.7	6.1	4200.0	4	98
X26	10/19/2010	<0.5	417	370.00	<0.5	3180	3.70	<0.5	4540.0	>3999.0	26.67	450.00	<0.5	6.5	6.0	2900.0	3	34
X26 Average		0	343	331.67	0	3230	3.78	0.25	4638.3	3999.0	19.26	405.00	0	6.5	6.4	3550.0	4	52
X26 Max		<0.5	469	380.00	<0.5	3940	4.40	<0.5	5300.0	>3999.0	26.67	470.00	<0.5	6.7	7.6	4800.0	7	98
X26 Min		<0.5	249	280.00	<0.5	2710	3.30	<0.5	4120.0	>3999.0	13.19	340.00	<0.5	6.4	6.0	2700.0	3	21
X26 N > DL		0	5	6	0	6	6	0	6	6	5	6	0	6	6	6	6	6
X26 Median		<0.5	292	340.00	<0.5	3150	3.85	<0.5	4580.0	>3999.0	18.17	410.00	<0.5	6.5	6.3	3350.0	4	52

Table C-7: Rose Creek Drainage Water Quality
2010 - Groundwater - Dissolved Metals

Station	Date	Ag-d	Al-d	As-d	Ba-d	B-d	Be-d	Bi-d	Ca-d	Cd-d	Co-d	Cr-d	Cu-d	Fe-d	Hg-d	K-d	Li-d	Mg-d	Mn-d	Mo-d	Na-d	Ni-d	Pb-d	Sb-d	S-d	Se-d	Si-d	Sn-d	Sr-d	Ti-d	Tl-d	U-d	V-d	Zn-d	Zr-d
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
BH10A	9/16/2010	0.0060	38.10	4.50	11.800	<50.0	0.70	<0.005	89.70	0.01	20.9000	<0.1	<0.05	36600.00	3.85	0.062	29.60	970.000	<0.05	10.60	25.900	0.2660	<0.2	71	<0.04	14600.00	0.02	468.00	<0.5	<0.002	0.0730	<0.2	4820.000	<0.1	
BH10B	9/16/2010	<0.005	57.80	30.20	11.100	<50.0	1.46	<0.005	146.00	0.01	9.8900	<0.1	<0.05	39500.00	5.81	0.113	42.20	801.000	<0.05	17.50	22.900	0.1880	0.03	78	<0.04	18300.00	<0.01	747.00	<0.5	<0.002	0.0150	<0.2	3370.000	0.20	
BH13B	9/21/2010	0.0060	12.50	0.43	23.300	<50.0	<0.01	0.01	196.00	0.10	1.2500	<0.1	4.2700	36.00	3.29	0.013	62.20	12.700	6.02	7.55	8.400	0.5440	0.06	230	9.3600	4260.00	0.03	901.00	<0.5	0.02	1.6400	<0.2	12.100	<0.1	
BH14A	6/11/2010	<0.03	8.00	0.20	15.300	<300.0	<0.05	0.06	644.00	1.07	0.0500	<0.5	0.5000	38.00	3.90	0.076	330.00	3.700	1.40	17.30	85.900	4.4300	<0.1	736	0.5000	8850.00	<0.05	3050.00	<3.0	0.05	135.0000	<1.0	8640.000	<0.5	
BH14A	9/21/2010	<0.03	5.00	0.30	22.400	<300.0	<0.05	<0.03	589.00	2.87	0.2000	<0.5	2.3000	11.00	4.50	0.086	312.00	8.600	0.40	16.70	157.000	120.0000	<0.1	798	0.5000	9460.00	0.11	3010.00	<3.0	0.03	131.0000	<1.0	16400.000	<0.5	
BH14A Average		0.0150	6.50	0.25	18.850	150.00	0.03	0.04	616.50	1.97	0.1250	0.25	1.4000	24.50	4.20	0.081	321.00	6.150	0.90	17.00	121.450	62.2150	0.05	767	0.5000	9155.00	0.07	3030.00	1.50	0.04	133.0000	0.50	12520.000	0.25	
BH14A N > DL		0	2	2	2	0	0	1	2	2	2	0	2	2	0	2	2	2	2	2	2	2	0	2	2	2	2	2	0	2	0	2	2	0	2
BH14B	6/11/2010	<0.03	15.00	0.20	22.900	<300.0	<0.05	<0.03	696.00	0.15	0.3500	<0.5	1.2000	58.00	4.60	0.066	309.00	10.800	0.60	17.10	4.700	34.2000	<0.1	762	0.5000	8330.00	0.06	3540.00	<3.0	0.03	199.0000	<1.0	306.000	<0.5	
BH14B	9/21/2010	<0.03	9.00	0.40	23.400	<300.0	<0.05	<0.03	711.00	0.13	0.2700	<0.5	2.0000	31.00	5.00	0.070	287.00	9.600	0.90	15.50	3.300	18.5000	<0.1	861	0.6000	9380.00	0.11	3360.00	<3.0	<0.01	189.0000	<1.0	212.000	<0.5	
BH14B Average		0.0150	12.00	0.30	23.150	150.00	0.03	0.02	703.50	0.14	0.3100	0.25	1.6000	44.50	4.80	0.068	298.00	10.200	0.75	16.30	4.000	26.3500	0.05	812	0.5500	8855.00	0.09	3450.00	1.50	0.02	194.0000	0.50	259.000	0.25	
BH14B N > DL		0	2	2	2	0	0	0	2	2	2	0	2	2	0	2	2	2	2	2	2	2	0	2	2	2	2	2	0	2	0	2	0	2	0
BH5	9/16/2010	0.0510	705.00	0.90	48.000	<50.0	0.48	0.12	76.00	0.77	16.2000	1.90	2.5200	23700.00	3.57	0.045	26.00	1300.000	0.11	13.20	22.300	5.0400	0.05	41	<0.04	12100.00	0.07	389.00	32.60	0.09	0.5440	1.40	2510.000	0.30	
BH6	9/16/2010	<0.005	40.60	0.10	34.400	<50.0	0.08	<0.005	50.50	1.32	28.6000	<0.1	0.3200	3950.00	1.75	0.024	13.30	1100.000	0.09	4.33	25.800	1.8600	<0.02	32	<0.04	7620.00	0.02	258.00	<0.5	0.04	1.1400	<0.2	3200.000	<0.1	
BH8	9/18/2010	<0.3	9160.00	6.00	14.000	<3000.0	10.40	<0.3	297.00	663.00	554.0000	<5.0	2040.0000	668000.00	7.00	0.095	198.00	12400.000	<3.0	35.00	468.000	610.0000	<1.0	1070	<2.0	6270.00	<0.5	1240.00	<30.0	6.90	22.7000	<10.0	211000.000	<5.0	
P01-01A	6/6/2010	<0.005	4.00	0.20	61.100	<50.0	<0.01	<0.005	327.00	0.70	1.5000	<0.1	0.4200	16.00	7.18	0.014	73.30	5850.000	1.38	25.40	7.750	0.3240	0.05	335	<0.04	7180.00	<0.01	1060.00	<0.5	0.02	9.6200	<0.2	7.500	<0.1	
P01-01A	9/8/2010	<0.03	17.00	<0.1	60.800	<300.0	<0.05	<0.03	314.00	0.79	1.7700	<0.5	<0.3	18.00	6.80	0.014	77.00	6960.000	1.10	24.70	9.400	0.1500	<0.1	311	<0.2	6060.00	<0.05	1090.00	<3.0	0.02	11.0000	<1.0	9.800	<0.5	
P01-01A Average		0.0088	10.50	0.13	60.950	87.50	0.02	0.01	320.50	0.75	1.6350	0.15	0.2850	17.00	6.99	0.014	75.15	6405.000	1.24	25.05	8.575	0.2370	0.05	323	0.0600	6620.00	0.02	1075.00	0.88	0.02	10.3100	0.30	8.650	0.15	
P01-01A N > DL		0	2	1	2	0	0	0	2	2	2	0	1	2	0	2	2	2	2	2	2	2	1	2	0	2	2	0	2	0	2	0	2	0	2
P01-01B	6/6/2010	<0.005	6.20	2.54	62.900	<50.0	0.02	<0.005	233.00	0.01	0.1940	<0.1	0.0700	767.00	4.63	0.012	48.50	151.000	1.16	27.90	0.670	0.1890	0.04	203	<0.04	6030.00	<0.01	825.00	<0.5	<0.002	8.0700	<0.2	10.600	0.60	
P01-01B	9/8/2010	<0.005	3.80	2.56	60.900	<50.0	0.03	<0.005	230.00	<0.005	0.2010	<0.1	<0.05	828.00	4.52	0.013	46.90	187.000	0.98	26.60	0.790	0.1960	0.04	196	<0.04	5590.00	<0.01	800.00	<0.5	<0.002	8.2500	<0.2	3.000	0.60	
P01-01B Average		0.0025	5.00	2.55	61.900	25.00	0.03	0.00	231.50	0.01	0.1975	0.05	0.0475	797.50	4.58	0.013	47.70	169.000	1.07	27.25	0.730	0.1925	0.04	200	0.0200	5810.00	0.01	812.50	0.25	0.00	8.1600	0.10	6.800	0.60	
P01-01B N > DL		0	2	2	2	0	2	0	2	1	2	0	1	2	0	2	2	2	2	2	2	2	2	2	0	2	0	2	0	2	0	2	0	2	2
P01-02A	6/6/2010	<0.005	2.60	0.62	69.800	<50.0	<0.01	<0.005	121.00	0.09	0.6640	<0.1	0.3800	21.00	3.12	0.007	31.80	1370.000	1.65	10.60	2.710	0.2030	0.03	68	<0.04	5640.00	<0.01	351.00	<0.5	0.01	3.0700	<0.2	1.800	<0.1	
P01-02A	9/8/2010	<0.005	1.80	0.60	67.200	<50.0	<0.01	<0.005	117.00	0.09	0.7030	<0.1	0.4600	22.00	3.12	0.007	31.50	1300.000	1.48	9.07	2.560	0.0950	0.04	61	<0.04	4950.00	<0.01	345.00	<0.5	0.01	2.9600	<0.2	5.100	<0.1	
P01-02A Average		0.0025	2.20	0.61	68.500	25.00	0.01	0.00	119.00	0.09	0.6835	0.05	0.4200	21.50	3.12	0.007	31.65	1335.000	1.57	9.84	2.635	0.1490	0.04	65	0.0200	5295.00	0.01	348.00	0.25	0.01	3.0150	0.10	3.450	0.05	
P01-02A N > DL		0	2	2	2	0	0	0	2	2	2	0	2	2	0	2	2	2	2	2	2	2	2	2	0	2	0	2	0	2	0	2	0	2	0
P01-02B	6/6/2010	<0.005	4.60	5.76	35.800	<50.0	<0.01	<0.005	75.60	<0.005	0.0930	<0.1	<0.05	949.00	2.25	0.006	30.00	122.000	0.80	8.72	0.470	0.3020	0.03	33	<0.04	5100.00	<0.01	263.00	<0.5	<0.002	2.7500	<0.2	2.600	<0.1	
P01-02B	9/8/2010	<0.005	40.20	5.69	37.400	<50.0	<0.01	<0.005	69.00	0.01	0.1640	<0.1	0.4200	1130.00	2.27	0.007	27.50	131.000	0.71	7.99	0.700	1.0400	0.03	32	<0.04	4310.00	<0.01	261.00	3.00	<0.002	2.8900	<0.2	7.000	<0.1	
P01-02B Average		0.0025	22.40	5.73	36.600	25.00	0.01	0.00	72.30	0.01	0.1285	0.05	0.2225	1039.50	2.26	0.007	28.75	126.500	0.76	8.36	0.585	0.6710	0.03	33	0.0200	4705.00	0.01	262.00	1.63	0.00	2.8200	0.10	4.800	0.05	
P01-02B N > DL		0	2	2	2	0	0	0	2	1	2	0	1	2	0	2	2	2	2	2	2	2	2	2	0	2	0	2	0	2	0	2	0	2	0
P01-03	6/7/2010	<0.02	8.00	0.20	14.000	<50.0	<0.1	<1.0	733.00	1.71	172.0000	<1.0	0.6000	1470.00	<0.02	7.44	0.026	160.00	79400.000	<1.0	35.90	123.000	0.4000	<0.5	832										

Table C-7: Rose Creek Drainage Water Quality
2010 - Groundwater - Dissolved Metals

Station	Date	Ag-d	Al-d	As-d	Ba-d	B-d	Be-d	Bi-d	Ca-d	Cd-d	Co-d	Cr-d	Cu-d	Fe-d	Hg-d	K-d	Li-d	Mg-d	Mn-d	Mo-d	Na-d	Ni-d	Pb-d	Sb-d	S-d	Se-d	Si-d	Sn-d	Sr-d	Ti-d	Tl-d	U-d	V-d	Zn-d	Zr-d	
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		
P03-06-4	6/14/2010	<0.02	7.00	1.00	23.000	<50.0	<0.1	<1.0	325.00	3.35	217.0000	<1.0	0.4000	211000.00	4.20	0.028	84.00	35800.000	2.00	18.50	214.000	1.3000	<0.5	530	<0.1	9680.00	<5.0	991.00	<5.0	0.09	22.4000	<5.0	3460.000	<0.5		
P03-06-4	9/22/2010	<0.02	<3.0	<0.1	26.000	61.00	<0.1	<1.0	372.00	4.46	251.0000	<1.0	<0.2	255000.00	4.26	0.036	88.70	41800.000	2.00	19.30	231.000	<0.2	<0.5	604	<0.1	7070.00	<5.0	1100.00	<5.0	0.11	3.8000	<5.0	4140.000	<0.5		
P03-06-4 Average		0.0100	4.25	0.53	24.500	43.00	0.05	0.50	348.50	3.91	234.0000	0.50	0.2500	233000.00	4.23	0.032	86.35	38800.000	2.00	18.90	222.500	0.7000	0.25	567	0.0500	8375.00	2.50	1045.50	2.50	0.10	13.1000	2.50	3800.000	0.25		
P03-06-4 N > DL		0	1	1	2	1	0	0	2	2	2	0	1	2	0	2	2	2	2	2	2	2	1	0	2	0	2	0	2	0	2	2	0	2	0	
P03-06-5	6/14/2010	<0.02	<3.0	1.80	9.000	<50.0	<0.1	<1.0	122.00	0.03	15.1000	<1.0	<0.2	195000.00	3.29	0.013	46.10	12600.000	3.00	22.70	23.000	1.4000	<0.5	282	<0.1	5590.00	<5.0	374.00	<5.0	<0.05	7.9000	<5.0	14300.000	<0.5		
P03-06-5	9/22/2010	0.2700	16.00	<0.1	10.000	109.00	<0.1	<1.0	248.00	0.20	105.0000	<1.0	<0.2	287000.00	9.06	0.082	505.00	60400.000	3.00	52.60	208.000	65.2000	<0.5	1280	<0.1	5450.00	<5.0	539.00	<5.0	0.16	2.6000	<5.0	215000.000	<0.5		
P03-06-5 Average		0.1400	8.75	0.93	9.500	67.00	0.05	0.50	185.00	0.12	60.0500	0.50	0.1000	241000.00	6.18	0.048	275.55	36500.000	3.00	37.65	115.500	33.3000	0.25	781	0.0500	5520.00	2.50	456.50	2.50	0.09	5.2500	2.50	114650.000	0.25		
P03-06-5 N > DL		1	1	1	2	1	0	0	2	2	2	0	0	2	0	2	2	2	2	2	2	2	0	2	0	2	0	2	0	2	0	2	0	2	0	
P03-08-2	9/20/2010	<0.02	8.00	0.30	184.000	<50.0	<0.1	<1.0	95.20	0.04	0.9000	<1.0	1.4000	15.00	1.23	<0.005	26.40	2950.000	<1.0	6.24	16.000	0.3000	<0.5	43	<0.1	4250.00	<5.0	319.00	<5.0	<0.05	3.0000	<5.0	<5.0	<0.5		
P03-08-4	9/20/2010	<0.02	11.00	4.90	34.000	<50.0	<0.1	<1.0	181.00	0.02	<0.5	<1.0	<0.2	38900.00	3.07	<0.005	44.20	3300.000	7.00	43.50	2.000	1.5000	2.30	156	<0.1	8830.00	<5.0	525.00	<5.0	<0.05	8.4000	<5.0	20.000	<0.5		
P03-08-6	9/20/2010	<0.02	21.00	1.40	11.000	<50.0	<0.1	<1.0	76.20	<0.01	1.7000	<1.0	<0.2	33.00	4.77	0.024	1.79	98.000	7.00	119.00	<1.0	2.1000	5.20	153	<0.1	1120.00	<5.0	51.00	<5.0	<0.05	<0.1	<5.0	<5.0	<0.5		
P03-08-7	9/20/2010	<0.02	6.00	0.60	16.000	<50.0	<0.1	<1.0	19.30	0.02	2.2000	<1.0	<0.2	23.00	3.23	0.009	0.85	63.000	27.00	95.50	<1.0	1.2000	<0.5	66	<0.1	1310.00	<5.0	55.00	<5.0	<0.05	<0.1	<5.0	<5.0	<0.5		
P03-09-2	9/13/2010	<0.02	<3.0	1.70	36.000	<50.0	<0.1	<1.0	188.00	<0.01	<0.5	<1.0	<0.2	7460.00	3.60	0.008	54.10	510.000	<1.0	41.80	<1.0	0.9000	<0.5	166	<0.1	7320.00	<5.0	953.00	<5.0	<0.05	1.9000	<5.0	<5.0	<0.5		
P03-09-4	9/13/2010	<0.02	<3.0	0.30	50.000	<50.0	<0.1	<1.0	259.00	0.38	4.5000	<1.0	0.8000	29.00	4.55	0.021	51.10	8890.000	<1.0	31.40	14.000	<0.2	<0.5	231	<0.1	7630.00	<5.0	675.00	<5.0	<0.05	8.1000	<5.0	<5.0	<0.5		
P03-09-6	9/13/2010	<0.02	5.00	0.20	54.000	<50.0	<0.1	<1.0	283.00	0.46	1.7000	<1.0	0.3000	44.00	4.79	0.008	58.50	12000.000	2.00	34.80	17.000	<0.2	<0.5	259	<0.1	7870.00	<5.0	755.00	<5.0	<0.05	7.4000	<5.0	<5.0	<0.5		
P03-09-8	9/13/2010	<0.02	<3.0	0.40	38.000	<50.0	<0.1	<1.0	287.00	0.53	4.2000	<1.0	<0.2	441.00	4.77	0.008	58.40	13000.000	<1.0	35.40	16.000	<0.2	<0.5	280	<0.1	7800.00	<5.0	715.00	<5.0	<0.05	7.7000	<5.0	<5.0	<0.5		
P03-09-9	9/13/2010	<0.02	39.00	0.40	43.000	<50.0	<0.1	<1.0	281.00	1.26	4.4000	<1.0	0.9000	105.00	4.84	0.008	58.80	12400.000	2.00	35.40	18.000	0.3000	<0.5	282	<0.1	7810.00	<5.0	713.00	<5.0	<0.05	7.2000	<5.0	<5.0	<0.5		
P05-01-1	9/9/2010	<0.05	8.00	<0.2	38.100	<500.0	<0.1	<0.05	507.00	<0.05	0.1000	<1.0	<0.5	12900.00	7.10	0.068	112.00	23200.000	<0.5	48.80	5.500	0.1400	<0.2	552	<0.4	9430.00	<0.1	1700.00	<5.0	<0.02	0.6700	<2.0	2.000	2.00		
P05-01-2	9/9/2010	<0.05	3.00	0.40	28.800	<500.0	<0.1	<0.05	533.00	<0.05	0.0700	<1.0	<0.5	22200.00	7.50	0.027	110.00	25700.000	<0.5	41.20	3.800	<0.05	<0.2	581	<0.4	9950.00	<0.1	1270.00	8.00	<0.02	1.4600	<2.0	3.000	<1.0		
P05-01-3	9/9/2010	<0.05	3.00	0.70	27.300	<500.0	<0.1	<0.05	537.00	<0.05	0.0600	<1.0	<0.5	26000.00	7.10	0.029	104.00	23400.000	<0.5	38.20	3.000	<0.05	<0.2	573	<0.4	9710.00	<0.1	1250.00	13.00	<0.02	1.4000	<2.0	2.000	<1.0		
P05-01-4	9/9/2010	<0.05	4.00	4.10	20.300	<500.0	<0.1	<0.05	502.00	<0.05	0.4500	<1.0	<0.5	31000.00	7.00	0.026	107.00	25800.000	1.00	38.30	3.200	0.1200	<0.2	537	<0.4	9650.00	<0.1	1230.00	9.00	<0.02	1.7000	<2.0	<1.0	<1.0		
P05-01-5	9/9/2010	<0.05	4.00	1.70	20.200	<500.0	<0.1	<0.05	414.00	0.45	14.5000	<1.0	<0.5	6730.00	6.70	0.019	91.80	23400.000	0.70	28.10	20.600	0.2000	<0.2	462	<0.4	7910.00	<0.1	1080.00	7.00	<0.02	4.2400	<2.0	4.000	<1.0		
P05-01-6	9/9/2010	<0.05	4.00	1.40	25.400	<500.0	<0.1	<0.05	463.00	0.10	18.8000	<1.0	<0.5	5890.00	6.80	0.017	95.30	25500.000	0.70	29.40	23.800	0.2400	<0.2	493	<0.4	8380.00	<0.1	1150.00	<5.0	0.03	4.7300	<2.0	5.000	<1.0		
P05-02	6/6/2010	0.0500	7.00	6.60	44.400	<300.0	<0.05	<0.03	533.00	0.11	12.8000	<0.5	<0.3	8570.00	7.60	0.024	108.00	22600.000	0.60	47.80	14.100	0.5600	<0.1	566	<0.2	9490.00	<0.05	1250.00	<3.0	0.03	5.4600	<1.0	44.400	<0.5		
P05-02	9/8/2010	<0.05	6.00	4.20	37.200	<500.0	<0.1	<0.05	475.00	0.50	9.9500	<1.0	0.6000	6770.00	7.30	0.021	89.20	19800.000	<0.5	36.80	13.800	0.4500	<0.2	493	<0.4	8800.00	<0.1	1190.00	8.00	0.04	5.4900	<2.0	52.000	<1.0		
P05-02 Average		0.0375	6.50	5.40	40.800	200.00	0.04	0.02	504.00	0.31	11.3750	0.38	0.3750	7670.00	7.45	0.023	98.60	21200.000	0.43	42.30	13.950	0.5050	0.08	530	0.1500	9145.00	0.04	1220.00	4.75	0.04	5.4750	0.75	48.200	0.38		
P05-02 N > DL		1	2	2	2	0	0	0	2	2	2	0	1	2	0	2	2	2	2	2	2	2	0	2	0	2	0	2	1	2	2	0	2	0	2	0
P05-03	6/8/2010	<0.03	7.00	2.40	213.000	<300.0	<0.05	<0.03	295.00	0.21	2.4400	<0.5	<0.3	5040.00	4.70	0.008	59.60	11400.000	2.90	29.90	4.700	0.5600	<0.1	230	<0.2	6970.00	<0.05	750.00	<3.0	0.02	9.5100	<1.0	15.600	<0.5		
P05-03	9/8/2010	<0.05	7.00	2.60	190.000	<500.0	<0.1	<0.05	239.00	0.20	2.3300	<1.0	0.9000	3940.00	4.10	0.007	48.90	8970.000	3.00	24.00	6.100	0.8200	<0.2	222	<0.4	6450.00	<0.1	659.00	8.00	<0.02	6.8400	<2.0	15.000	<1.0		
P05-03 Average		0.0200	7.00	2.50	201.500	200.00	0.04	0.02	267.00	0.21	2.3850	0.38	0.5250																							

Table C-7: Rose Creek Drainage Water Quality
2010 - Groundwater - Dissolved Metals

Station	Date	Ag-d	Al-d	As-d	Ba-d	B-d	Be-d	Bi-d	Ca-d	Cd-d	Co-d	Cr-d	Cu-d	Fe-d	Hg-d	K-d	Li-d	Mg-d	Mn-d	Mo-d	Na-d	Ni-d	Pb-d	Sb-d	S-d	Se-d	Si-d	Sn-d	Sr-d	Ti-d	Tl-d	U-d	V-d	Zn-d	Zr-d
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
P96-6	6/15/2010	<0.005	2.60	0.11	18.700	<50.0	0.07	<0.005	188.00	0.22	0.0230	<0.1	0.6500	7.00	4.55	0.037	61.50	2.240	<0.05	7.62	13.900	0.1320	<0.02	153	2.8900	10600.00	<0.01	619.00	<0.5	0.00	26.1000	<0.2	419.000	<0.1	
P96-6	9/21/2010	0.0100	20.80	0.32	23.700	<50.0	0.05	0.01	227.00	0.25	0.1430	<0.1	1.7600	42.00	4.66	0.037	65.40	5.820	0.23	6.04	10.700	3.3300	0.09	196	4.8100	9180.00	0.09	685.00	<0.5	0.01	35.1000	<0.2	340.000	<0.1	
P96-6 Average		0.0063	11.70	0.22	21.200	25.00	0.06	0.01	207.50	0.23	0.0830	0.05	1.2050	24.50	4.61	0.037	63.45	4.030	0.13	6.83	12.300	1.7310	0.05	175	3.8500	9890.00	0.05	652.00	0.25	0.01	30.6000	0.10	379.500	0.05	
P96-6 N > DL		1	2	2	2	0	2	1	2	2	2	0	2	2	0	2	2	2	2	1	2	2	2	2	2	2	2	1	2	0	2	2	0	2	0
P96-7	6/11/2010	<0.03	24.00	<0.1	9.300	<300.0	<0.05	<0.03	614.00	0.06	0.3600	<0.5	1.3000	317.00	6.20	0.035	184.00	164.000	1.00	17.70	4.700	0.3700	<0.1	770	0.7000	5340.00	<0.05	779.00	<3.0	<0.01	27.3000	<1.0	155.000	<0.5	
P96-7	9/14/2010	<0.03	18.00	<0.1	12.500	<300.0	<0.05	<0.03	613.00	0.06	0.0700	<0.5	1.1000	53.00	6.00	0.029	232.00	2.300	0.80	18.10	1.100	0.2200	<0.1	802	0.4000	6110.00	<0.05	635.00	<3.0	<0.01	23.7000	<1.0	5.000	<0.5	
P96-7 Average		0.0150	21.00	0.05	10.900	150.00	0.03	0.02	613.50	0.06	0.2150	0.25	1.2000	185.00	6.10	0.032	208.00	83.150	0.90	17.90	2.900	0.2950	0.05	786	0.5500	5725.00	0.03	707.00	1.50	0.01	25.5000	0.50	80.000	0.25	
P96-7 N > DL		0	2	0	2	0	0	0	2	2	2	0	2	2	0	2	2	2	2	2	2	2	0	2	2	2	2	0	2	0	2	0	2	0	
P96-8A	6/9/2010	<0.5	861.00	<2.0	20.000	<5000.0	3.00	<0.5	460.00	144.00	1330.0000	<10.0	15.0000	93900.00	17.00	0.197	1230.00	104000.000	<5.0	63.00	1210.000	38.7000	<2.0	2520	<4.0	13700.00	<1.0	3990.00	<50.0	<0.2	2.3000	<20.0	576000.000	<10.0	
P96-8A	9/14/2010	<0.3	340.00	<1.0	19.000	<3000.0	1.20	<0.3	445.00	103.00	1160.0000	<5.0	10.0000	84200.00	20.00	0.214	1200.00	104000.000	<3.0	56.00	1090.000	29.9000	<1.0	2470	<2.0	12800.00	<0.5	4230.00	<30.0	0.20	2.0000	<10.0	449000.000	<5.0	
P96-8A Average		0.2000	600.50	0.75	19.500	2000.00	2.10	0.20	452.50	123.50	1245.0000	3.75	12.5000	89050.00	18.50	0.206	1215.00	104000.000	2.00	59.50	1150.000	34.3000	0.75	2495	1.5000	13250.00	0.38	4110.00	20.00	0.15	2.1500	7.50	512500.000	3.75	
P96-8A N > DL		0	2	0	2	0	2	0	2	2	2	0	2	2	0	2	2	2	2	2	2	0	2	2	2	2	2	0	2	0	2	0	2	0	
P96-8B	6/9/2010	<0.5	4770.00	<2.0	13.000	<5000.0	5.00	<0.5	393.00	220.00	1910.0000	<10.0	152.0000	41000.00	17.00	0.217	1090.00	114000.000	19.00	71.00	1690.000	20.7000	<2.0	2280	<4.0	12700.00	<1.0	3660.00	<50.0	0.30	2.4000	<20.0	791000.000	<10.0	
P96-8B	9/15/2010	0.7000	3750.00	3.00	14.000	<5000.0	5.00	<0.5	416.00	155.00	1800.0000	<10.0	185.0000	10600.00	19.00	0.221	1070.00	118000.000	<5.0	68.00	1710.000	31.6000	<2.0	2560	<4.0	15600.00	<1.0	3910.00	87.00	0.60	3.4000	<20.0	706000.000	<10.0	
P96-8B Average		0.4750	4260.00	2.00	13.500	2500.00	5.00	0.25	404.50	187.50	1855.0000	5.00	168.5000	25800.00	18.00	0.219	1080.00	116000.000	10.75	69.50	1700.000	26.1500	1.00	2420	2.0000	14150.00	0.50	3785.00	56.00	0.45	2.9000	10.00	748500.000	5.00	
P96-8B N > DL		1	2	1	2	0	2	0	2	2	2	0	2	2	0	2	2	2	2	2	2	2	0	2	2	2	2	0	2	1	2	2	0	2	0
S1A	6/9/2010	<0.005	10.00	0.04	17.800	<50.0	0.04	0.01	34.90	0.76	3.6100	<0.1	0.4200	1550.00	2.94	0.046	57.40	4300.000	<0.05	5.04	12.000	0.1810	<0.02	103	<0.04	6940.00	<0.01	217.00	<0.5	0.00	0.0850	<0.2	3090.000	<0.1	
S1A	9/14/2010	<0.005	3.40	0.04	28.300	<50.0	0.02	<0.005	15.10	0.34	1.3100	<0.1	0.4300	529.00	2.19	0.032	24.40	1920.000	<0.05	3.12	4.740	0.2100	<0.02	34	<0.04	7040.00	<0.01	119.00	<0.5	0.00	0.0690	<0.2	1120.000	<0.1	
S1A Average		0.0025	6.70	0.04	23.050	25.00	0.03	0.00	25.00	0.55	2.4600	0.05	0.4250	1039.50	2.57	0.039	40.90	3110.000	0.03	4.08	8.370	0.1955	0.01	69	0.0200	6990.00	0.01	168.00	0.25	0.00	0.0770	0.10	2105.000	0.05	
S1A N > DL		0	2	2	2	0	2	1	2	2	2	0	2	2	0	2	2	2	2	2	2	0	2	2	2	2	2	0	2	0	2	0	2	0	
S2A	6/9/2010	0.0120	39.10	0.15	17.300	<50.0	0.08	<0.005	210.00	0.95	14.6000	0.30	0.4000	13000.00	5.43	0.050	80.20	3840.000	0.06	11.00	42.000	0.2310	0.03	185	<0.04	14300.00	0.03	729.00	1.30	0.01	5.3300	<0.2	4910.000	2.40	
S2A	9/14/2010	<0.005	14.60	0.14	18.400	<50.0	0.11	0.03	187.00	0.91	12.6000	<0.1	0.5900	14900.00	5.82	0.054	79.10	3090.000	0.07	10.10	34.500	0.3150	0.03	169	<0.04	16200.00	<0.01	664.00	<0.5	0.01	3.7100	<0.2	2790.000	<0.1	
S2A Average		0.0073	26.85	0.15	17.850	25.00	0.10	0.02	198.50	0.93	13.6000	0.18	0.4950	13950.00	5.63	0.052	79.65	3465.000	0.07	10.55	38.250	0.2730	0.03	177	0.0200	15250.00	0.02	696.50	0.78	0.01	4.5200	0.10	3850.000	1.23	
S2A N > DL		1	2	2	2	0	2	1	2	2	2	1	2	2	0	2	2	2	2	2	2	2	2	2	2	2	2	0	2	1	2	2	0	2	1
S2B	9/14/2010	<0.3	51.00	<1.0	21.000	<3000.0	<0.5	<0.3	518.00	17.00	378.0000	<5.0	4.0000	38500.00	14.00	0.183	1300.00	120000.000	<3.0	40.00	1560.000	0.5000	<1.0	2580	<2.0	12200.00	<0.5	2450.00	<30.0	<0.1	0.7000	<10.0	393000.000	<5.0	
SRK04-3A	9/22/2010	0.5000	1730.00	46.00	13.000	<3000.0	1.90	<0.3	413.00	51.60	1430.0000	<5.0	<3.0	745000.00	15.00	0.171	997.00	106000.000	<3.0	57.00	1220.000	49.4000	<1.0	2500	<2.0	18200.00	<0.5	3940.00	<30.0	0.20	6.1000	<10.0	490000.000	<5.0	
SRK05-ETA-BR1	9/22/2010	0.5000	893.00	8.00	12.000	<3000.0	1.10	<0.3	410.00	41.80	1360.0000	<5.0	<3.0	775000.00	12.00	0.135	752.00	99600.000	<3.0	52.00	1210.000	46.4000	<1.0	2180	<2.0	17000.00	<0.5	4330.00	<30.0	0.40	4.9000	<10.0	523000.000	<5.0	
SRK05-ETA-BR2	9/22/2010	<0.03	9.00	0.50	44.900	<300.0	0.12	<0.03	463.00	0.29	56.7000	2.30	0.4000	46000.00	3.70	0.015	107.00	6000.000	<0.3	26.00	53.300	3.9300	<0.1	630	<0.2	8540.00	<0.05	6110.00	<3.0	<0.01	0.9100	<1.0	21100.000	0.70	
SRK05-SP1A	9/14/2010	<0.02	112.00	4.00	20.000	<50.0	2.60	<1.0	220.00	0.09	7.7000	2.00	0.9000	62400.00	5.58	86.10	2050.000	<1.0	17.30	27.000	3.3000	<0.5	289	<0.1	14700.00	<5.0	1050.00	<5.0	<0.05	0.3000	<5.0	2140.000	<0.5		
SRK05-SP1B	9/14/2010	<0.02	12.00	14.80	57.000	<50.0	<0.1	<1.0	128.00	0.11	2.4000	<1.0	0.7000	17200.00	4.90	53.60	659.000	<1.0	10.20	7.000	0.8000	<0.5	93	2.7000	12400.00	<5.0	643.00	<5.0	<0.05	2.4000	<5.0	342.000	<0.5		
SRK05-SP2	9/14/2010	<0.02	12.00	<0.1	59.000	<50.0	<0.1	<1.0	52.20																										

Table C-7: Rose Creek Drainage Water Quality
2010 - Groundwater - Dissolved Metals

Station	Date	Ag-d	Al-d	As-d	Ba-d	B-d	Be-d	Bi-d	Ca-d	Cd-d	Co-d	Cr-d	Cu-d	Fe-d	Hg-d	K-d	Li-d	Mg-d	Mn-d	Mo-d	Na-d	Ni-d	Pb-d	Sb-d	S-d	Se-d	Si-d	Sn-d	Sr-d	Ti-d	Tl-d	U-d	V-d	Zn-d	Zr-d
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
SRK08-SP8B	9/13/2010	<0.02	20.00	2.00	21.000	<50.0	<0.1	<1.0	202.00	0.08	6.6000	<1.0	0.3000	20000.00	3.91	91.30	1740.000	<1.0	14.80	14.000	<0.2	<0.5	241	<0.1	12500.00	<5.0	882.00	<5.0	<0.05	1.7000	<5.0	413.000	<0.5		
SRK08-SPW1	1/6/2010	<0.005	33.60	5.43	17.200	<50.0	0.94	<0.005	174.00	0.27	10.2000	<0.1	0.3700	22700.00	5.30	0.063	65.40	1650.000	0.14	11.50	31.900	0.5300	0.03	152	<0.4	16400.00	<0.01	686.00	<5.0	<0.002	1.0300	<0.2	2290.000	<0.1	
SRK08-SPW1	2/17/2010	<0.02	31.00	4.50	17.000	<50.0	1.10	<1.0	136.00	0.14	9.4000	<1.0	0.9000	21700.00	0.03	4.21	0.063	52.60	1320.000	<1.0	10.10	30.000	0.6000	<0.5	101	<0.1	14200.00	<5.0	644.00	<5.0	<0.05	1.0000	<5.0	1570.000	<0.5
SRK08-SPW1	3/9/2010	<0.005	33.60	5.03	16.400	<50.0	1.09	<0.005	163.00	0.11	9.8700	<0.1	1.4600	24800.00	5.27	0.063	59.50	1370.000	0.10	12.10	25.000	0.4730	0.08	131	0.0600	16600.00	<0.01	682.00	<0.5	<0.002	0.9600	<0.2	1510.000	<0.1	
SRK08-SPW1	4/13/2010	<0.005	30.60	3.75	15.600	<50.0	1.10	<0.005	131.00	0.12	8.1700	<0.1	1.7900	21900.00	4.28	0.061	46.20	1070.000	0.14	9.23	20.800	0.3490	0.11	97	<0.04	14100.00	<0.01	622.00	<0.5	<0.002	0.8600	<0.2	1290.000	<0.1	
SRK08-SPW1	5/3/2010	<0.005	32.60	4.13	16.000	<50.0	1.04	<0.005	141.00	0.12	9.4200	<0.1	1.1600	22200.00	4.62	0.062	51.90	1250.000	0.12	10.30	24.400	0.2520	0.07	107	<0.04	12700.00	<0.01	625.00	<0.5	0.01	0.8420	<0.2	1400.000	<0.1	
SRK08-SPW1	6/13/2010	<0.02	38.00	4.10	17.000	<50.0	1.30	<1.0	143.00	0.19	9.0000	<1.0	1.6000	24100.00	5.02	0.065	53.70	1270.000	<1.0	10.60	26.000	0.4600	<0.5	113	<0.1	16400.00	<5.0	672.00	<5.0	<0.05	0.8000	<5.0	1720.000	<0.5	
SRK08-SPW1	7/10/2010	<0.005	34.00	4.52	16.500	<50.0	0.93	<0.005	147.00	0.15	9.6700	<0.1	1.0400	25100.00	4.97	0.059	54.20	1350.000	0.11	10.90	25.600	0.8070	0.08	121	<0.04	16500.00	<0.01	665.00	<0.5	<0.002	0.7930	<0.2	1520.000	<0.1	
SRK08-SPW1	8/3/2010	<0.005	36.10	4.79	17.700	<50.0	1.10	<0.005	140.00	0.17	10.0000	0.20	17.3000	24700.00	5.13	0.064	55.70	1360.000	0.10	11.30	28.200	1.5600	0.09	121	<0.04	14400.00	<0.01	654.00	<0.5	<0.002	0.8500	<0.2	1630.000	<0.1	
SRK08-SPW1	9/1/2010	<0.02	33.00	4.00	17.000	<50.0	1.00	<1.0	138.00	0.14	9.1000	<1.0	0.9000	23800.00	4.96	0.062	55.00	1310.000	<1.0	10.70	26.000	1.5000	<0.5	114	<0.1	17000.00	<5.0	632.00	<5.0	<0.05	0.7000	<5.0	1560.000	<0.5	
SRK08-SPW1	10/7/2010	<0.02	31.00	4.50	17.000	<50.0	1.10	<1.0	143.00	0.12	10.0000	<1.0	0.8000	25400.00	5.17	0.065	56.00	1400.000	<1.0	12.10	26.000	0.3000	<0.5	124	<0.1	16900.00	<5.0	694.00	<5.0	<0.05	0.8000	<5.0	1470.000	<0.5	
SRK08-SPW1	11/8/2010	<0.02	30.00	4.10	15.000	<50.0	0.80	<1.0	140.00	0.28	9.8000	<1.0	1.0000	25300.00	4.98	0.049	55.00	1410.000	<1.0	11.70	25.000	0.3000	<0.5	122	<0.1	16300.00	<5.0	692.00	<5.0	<0.05	0.8000	<5.0	1850.000	<0.5	
SRK08-SPW1 Average		0.0059	33.05	4.44	16.582	<50.0	1.05	0.23	145.09	0.16	9.5118	0.27	2.5745	23790.91	0.03	4.90	0.061	55.02	1341.818	0.29	10.96	26.264	1.0246	0.16	118	0.0373	15590.91	1.14	660.73	1.27	0.01	0.8577	1.19	1619.091	0.14
SRK08-SPW1 Max		<0.02	38.00	5.43	17.700	<50.0	1.30	<1.0	174.00	0.28	10.2000	<1.0	17.3000	25400.00	0.03	5.30	0.065	65.40	1650.000	<1.0	12.10	31.900	4.6000	<0.5	152	<0.1	17000.00	<5.0	694.00	<5.0	<0.05	1.0300	<5.0	2290.000	<0.5
SRK08-SPW1 Min		<0.005	30.00	3.75	15.000	<50.0	0.80	<0.005	131.00	0.11	8.1700	<0.1	0.3700	21700.00	0.03	4.21	0.049	46.20	1070.000	0.10	9.23	20.800	0.2520	0.03	97	<0.04	12700.00	<0.01	622.00	<0.5	<0.002	0.7000	<0.2	1290.000	<0.1
SRK08-SPW1 N > DL		0	11	11	11	0	11	0	11	11	11	1	11	11	1	11	11	11	11	6	11	11	6	11	1	11	0	11	0	1	11	0	11	0	
SRK08-SPW1 Median		<0.005	33.00	4.50	17.000	<50.0	1.09	<0.005	141.00	0.14	9.6700	0.20	1.0400	24100.00	0.03	4.98	0.063	55.00	1350.000	0.14	10.90	26.000	0.5300	0.11	121	0.0600	16400.00	<0.01	665.00	<0.5	0.01	0.8420	<0.2	1560.000	<0.1
SRK08-SPW2	1/6/2010	<0.1	11.00	<0.4	15.700	<1000.0	<0.2	<0.1	426.00	36.80	122.0000	<2.0	3.0000	1410.00	11.00	0.135	690.00	50500.000	<1.0	34.10	1090.000	0.4000	<0.4	1510	<0.8	13200.00	<0.2	1530.00	<10.0	<0.4	6.3000	<4.0	185000.000	<2.0	
SRK08-SPW2	2/17/2010	0.1600	19.00	<0.4	15.000	<200.0	<0.4	<4.0	344.00	35.60	132.0000	<4.0	3.8000	1520.00	<0.08	9.00	0.128	624.00	50400.000	<4.0	30.30	1130.000	1.1000	<2.0	1230	<0.4	10900.00	<20.0	1430.00	<20.0	<0.2	5.5000	<20.0	193000.000	<2.0
SRK08-SPW2	3/9/2010	0.0800	9.00	<0.2	14.100	<500.0	<0.1	<0.05	361.00	31.20	135.0000	<1.0	2.4000	1790.00	9.90	0.124	610.00	45400.000	<0.5	29.70	1030.000	0.2300	<0.2	1300	<0.4	11400.00	<0.1	1410.00	<5.0	<0.02	5.5800	<2.0	176000.000	<1.0	
SRK08-SPW2	4/13/2010	<0.1	8.00	<0.4	13.700	<1000.0	<0.2	<0.1	285.00	27.20	129.0000	<2.0	3.0000	1620.00	8.00	0.116	474.00	36700.000	<1.0	22.00	855.000	0.4000	<0.4	845	<0.8	9490.00	<0.2	1200.00	<10.0	0.06	5.3700	<4.0	144000.000	<2.0	
SRK08-SPW2	5/3/2010	0.3000	11.00	<0.4	16.300	<1000.0	<0.2	<0.1	317.00	29.70	166.0000	<2.0	2.0000	1810.00	9.00	0.118	550.00	45600.000	<1.0	25.00	1060.000	0.4000	<0.4	966	<0.8	9330.00	<0.2	1290.00	<10.0	0.13	5.6300	<4.0	177000.000	<2.0	
SRK08-SPW2	6/13/2010	0.1100	8.00	<0.2	13.000	<50.0	<0.1	<1.0	299.00	27.70	152.0000	<1.0	2.4000	2000.00	8.77	0.110	503.00	39500.000	<1.0	22.90	876.000	0.7000	<0.5	1020	<0.1	12000.00	<5.0	1210.00	<5.0	<0.05	4.5000	<5.0	148000.000	<0.5	
SRK08-SPW2	7/10/2010	<0.1	11.00	<0.4	15.400	<1000.0	<0.2	<0.1	263.00	28.50	172.0000	<2.0	4.0000	2140.00	9.00	0.098	497.00	40100.000	<1.0	24.00	934.000	1.4000	<0.4	890	<0.8	10700.00	<0.2	1140.00	<10.0	<0.04	3.9600	<4.0	163000.000	<2.0	
SRK08-SPW2	8/3/2010	<0.1	14.00	0.50	15.200	<1000.0	<0.2	<0.1	251.00	29.10	178.0000	<2.0	3.0000	1990.00	8.00	0.105	467.00	37500.000	<1.0	22.00	904.000	1.3000	<0.4	973	<0.8	9230.00	<0.2	1040.00	<10.0	<0.04	4.1300	<4.0	153000.000	<2.0	
SRK08-SPW2	9/1/2010	0.0900	10.00	0.40	14.000	<100.0	<0.2	<2.0	250.00	28.40	190.0000	<2.0	1.9000	2100.00	7.80	0.104	463.00	38100.000	<2.0	21.90	823.000	0.6000	<1.0	954	<0.2	12000.00	<10.0	1020.00	<10.0	<0.1	3.5000	<10.0	141000.000	<1.0	
SRK08-SPW2	10/7/2010	0.1200	11.00	0.40	16.000	<100.0	<0.2	<2.0	284.00	31.00	248.0000	<2.0	2.0000	2560.00	8.50	0.102	490.00	40800.000	<2.0	23.90	908.000	<0.4	<1.0	974	<0.2	10400.00	<10.0	1110.00	<10.0	<0.1	3.7000	<10.0	159000.000	<1.0	
SRK08-SPW2	11/8/2010	<0.02	9.00	<0.1	14.000	<50.0	<0.1	<1.0	238.00	29.00	202.0000	<1.0	2.5000	2900.00	7.47	0.065	453.00	35100.000	<1.0	21.80	760.000	0.6000	<0.5	917	<0.1	10200.00	<5.0	1020.00	<5.0	<0.05					

Table C-7: Rose Creek Drainage Water Quality
2010 - Groundwater - Dissolved Metals

Station	Date	Ag-d	Al-d	As-d	Ba-d	B-d	Be-d	Bi-d	Ca-d	Cd-d	Co-d	Cr-d	Cu-d	Fe-d	Hg-d	K-d	Li-d	Mg-d	Mn-d	Mo-d	Na-d	Ni-d	Pb-d	Sb-d	S-d	Se-d	Si-d	Sn-d	Sr-d	Ti-d	Tl-d	U-d	V-d	Zn-d	Zr-d		
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
X18A Average		0.0025	5.50	9.75	176.500	25.00	0.01	0.00	303.00	0.01	1.3915	0.13	0.2250	4095.00	7.16	0.012	72.95	3980.000	0.81	23.05	4.525	0.4650	0.05	310	0.0200	6275.00	0.03	1021.50	0.25	0.00	9.3050	0.10	9.450	0.25			
X18A N > DL		0	2	2	2	0	0	0	2	1	2	1	2	2	0	2	2	2	2	2	2	2	2	2	2	0	2	0	2	1	2	0	0	2	0	2	2
X18B	6/7/2010	<0.005	2.90	0.20	91.000	<50.0	<0.01	<0.005	341.00	0.38	0.6700	<0.1	0.5700	25.00	7.51	0.012	84.60	1640.000	0.71	24.90	16.800	0.2080	0.06	349	0.0700	7400.00	<0.01	1110.00	<0.5	0.01	13.9000	<0.2	4.000	<0.1			
X18B	9/8/2010	<0.005	3.20	0.19	77.200	<50.0	<0.01	<0.005	288.00	0.32	0.6050	<0.1	0.4700	43.00	6.70	0.013	69.10	1280.000	0.58	21.30	13.800	0.1290	0.05	287	0.0500	6030.00	<0.01	960.00	<0.5	0.01	11.9000	<0.2	7.000	<0.1			
X18B Average		0.0025	3.05	0.20	84.100	25.00	0.01	0.00	314.50	0.35	0.6375	0.05	0.5200	34.00	7.11	0.012	76.85	1460.000	0.65	23.10	15.300	0.1685	0.06	318	0.0600	6715.00	0.01	1035.00	0.25	0.01	12.9000	0.10	5.500	0.05			
X18B N > DL		0	2	2	2	0	0	0	2	2	2	2	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	2	0	2	0	2	0	2	0	
X21-96A	6/11/2010	0.2200	1240.00	20.10	5.000	157.00	9.60	<1.0	384.00	1.05	9.0000	7.00	0.3000	9960000.00	11.80	0.152	549.00	408000.000	7.00	52.30	21.000	44.6000	<0.5	6480	0.9000	21100.00	<5.0	776.00	<5.0	0.39	2.1000	<5.0	290000.000	<0.5			
X21-96A	9/22/2010	<0.02	1120.00	<0.1	7.000	833.00	8.10	<1.0	390.00	0.38	20.3000	<1.0	1.1000	9760000.00	11.50	0.147	584.00	456000.000	23.00	47.00	29.000	63.7000	<0.5	7010	<0.1	20000.00	<5.0	649.00	<5.0	<0.05	1.9000	<5.0	265000.000	<0.5			
X21-96A Average		0.1150	1180.00	10.08	6.000	495.00	8.85	0.50	387.00	0.72	14.6500	3.75	0.7000	9860000.00	11.65	0.150	566.50	432000.000	15.00	49.65	25.000	54.1500	0.25	6745	0.4750	20550.00	2.50	712.50	2.50	0.21	2.0000	2.50	277500.000	0.25			
X21-96A N > DL		1	2	1	2	2	2	0	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	0	2	0	2	0	2	0		
X21-96B	6/11/2010	0.1400	8.00	6.10	22.000	<50.0	<0.1	<1.0	329.00	0.13	32.6000	<1.0	0.3000	222000.00	5.00	0.017	71.00	36400.000	3.00	57.80	29.000	9.1000	<0.5	510	<0.1	9920.00	<5.0	919.00	<5.0	<0.05	3.9000	<5.0	2290.000	<0.5			
X21-96B	9/22/2010	<0.02	<3.0	<0.1	14.000	<50.0	<0.1	<1.0	353.00	0.10	64.7000	<1.0	<0.2	332000.00	5.54	0.022	83.60	45400.000	2.00	64.80	50.000	<0.2	<0.5	659	<0.1	8650.00	<5.0	948.00	<5.0	<0.05	0.6000	<5.0	13300.000	<0.5			
X21-96B Average		0.0750	4.75	3.08	18.000	25.00	0.05	0.50	341.00	0.12	48.6500	0.50	0.2000	277000.00	5.27	0.020	77.30	40900.000	2.50	61.30	39.500	4.6000	0.25	585	0.0500	9285.00	2.50	933.50	2.50	0.03	2.2500	2.50	7795.000	0.25			
X21-96B N > DL		1	1	1	2	0	0	0	2	2	2	0	1	2	2	2	2	2	2	2	2	2	1	0	2	0	2	0	2	0	0	2	0	2	0		
X24-96D	6/7/2010	<0.02	4.00	0.30	22.000	<50.0	<0.1	<1.0	855.00	3.84	135.0000	<1.0	3.0000	108.00	<0.02	8.42	0.033	171.00	87900.000	<1.0	44.60	334.000	<0.2	<0.5	923	<0.1	11800.00	<5.0	2500.00	<5.0	0.24	6.9000	<5.0	120.000	<0.5		
X24-96D	9/9/2010	<0.02	<3.0	0.30	20.000	<50.0	<0.1	<1.0	782.00	3.59	152.0000	<1.0	2.9000	94.00	7.82	0.032	163.00	87000.000	<1.0	41.70	339.000	0.3000	<0.5	867	<0.1	11100.00	<5.0	2220.00	<5.0	0.24	6.1000	<5.0	132.000	1.00			
X24-96D Average		0.0100	2.75	0.30	21.000	25.00	0.05	0.50	818.50	3.72	143.5000	0.50	2.9500	101.00	0.01	8.12	0.033	167.00	87450.000	0.50	43.15	336.500	0.2000	0.25	895	0.0500	11450.00	2.50	2360.00	2.50	0.24	6.5000	2.50	126.000	0.63		
X24-96D N > DL		0	1	2	2	0	0	0	2	2	2	0	2	2	0	2	2	2	2	2	2	2	1	0	2	0	2	0	2	0	2	0	2	0	2	1	
X25-96A	6/7/2010	<0.02	5.00	0.20	54.000	<50.0	<0.1	<1.0	240.00	0.20	4.1000	<1.0	1.7000	147.00	<0.02	4.86	<0.005	53.50	9070.000	2.00	22.70	4.000	0.4000	<0.5	218	<0.1	7750.00	<5.0	629.00	<5.0	<0.05	12.4000	<5.0	<5.0	<0.5		
X25-96A	9/9/2010	<0.02	<3.0	0.20	58.000	<50.0	<0.1	<1.0	228.00	0.21	7.3000	<1.0	1.8000	21.00	228.00	4.55	<0.005	52.80	8150.000	<1.0	21.40	9.000	<0.2	<0.5	203	<0.1	6790.00	<5.0	648.00	<5.0	<0.05	13.5000	<5.0	<5.0	0.60		
X25-96A Average		0.0100	3.25	0.20	56.000	25.00	0.05	0.50	234.00	0.21	5.7000	0.50	1.7500	84.00	0.01	4.71	0.003	53.15	8610.000	1.25	22.05	6.500	0.2500	0.25	211	0.0500	7270.00	2.50	638.50	2.50	0.03	12.9500	2.50	2.500	0.43		
X25-96A N > DL		0	1	2	2	0	0	0	2	2	2	0	2	2	0	2	0	2	2	2	1	2	2	1	0	2	0	2	0	2	0	2	0	0	1		
X25-96B	6/7/2010	<0.02	<3.0	0.50	30.000	<50.0	<0.1	<1.0	217.00	0.09	<0.5	<1.0	1.6000	824.00	<0.02	3.53	0.010	33.70	211.000	<1.0	44.70	<1.0	0.8000	<0.5	183	<0.1	5820.00	<5.0	505.00	<5.0	<0.05	6.7000	<5.0	<5.0	<0.5		
X25-96B	9/9/2010	<0.02	4.00	0.60	29.000	<50.0	<0.1	<1.0	199.00	0.06	<0.5	<1.0	<0.2	844.00	3.31	0.009	32.80	212.000	<1.0	42.80	<1.0	<0.2	<0.5	172	<0.1	4890.00	<5.0	486.00	<5.0	<0.05	6.3000	<5.0	<5.0	<0.5			
X25-96B Average		0.0100	2.75	0.55	29.500	25.00	0.05	0.50	208.00	0.08	0.2500	0.50	0.8500	834.00	0.01	3.42	0.010	33.25	211.500	0.50	43.75	0.500	0.4500	0.25	178	0.0500	5355.00	2.50	495.50	2.50	0.03	6.5000	2.50	2.500	0.25		
X25-96B N > DL		0	1	2	2	0	0	0	2	2	2	0	1	2	2	2	2	2	2	2	2	0	1	0	2	0	2	0	2	0	2	0	2	0	0		
X26	5/5/2010	<0.08	13.00	3.40	7.000	<200.0	<0.4	<4.0	576.00	36.30	769.0000	<4.0	<0.8	155000.00	<0.08	18.20	0.316	608.00	22700.000	6.00	93.40	1960.000	4.2000	<2.0	1550	<0.4	7190.00	<20.0	3660.00	<20.0	1.60	16.6000	<20.0	146000.000	<2.0		
X26	6/13/2010	0.0800	13.00	3.40	7.000	<100.0	0.30	<2.0	563.00	27.00	504.0000	<2.0	0.9000	85700.00	16.20	0.274	397.00	14600.000	<2.0	63.90	1380.000	59.0000	<1.0	1030	<0.2	7050.00	<10.0	3410.00	<10.0	1.50	14.8000	<10.0	92900.000	<1.0			
X26	7/10/2010	0.0400	11.00	4.30	7.000	<50.0	0.20	<1.0	500.00	23.50	484.0000	<1.0	0.7000	77900.00	15.00	0.213	355.00	13600.000	<1.0	60.70	1250.000	63.8000	<1.0	973	0.5000	7130.00	<5.0	3050.00	<5.0	1.35	15.0000	<5.0	75100.000	<0.5			
X26	8/3/2010	0.1100	15.00	4.20	7.000	<100.0	0.30	<2.0	480.00	32.00	616.0000	<2.0	1.0000	133000.00	16.70	0.266	467.00	18400.000	<2.0	66.60	1520.000	79.2000	<1.0	1220	<0.2	6790.00	<10.0	2950.00	<10.0	1.90	12.4000	<10.0	123000.000	<1.0			
X26	9/1/2010	0.0800	10.00	3.40	8.000	<50.0	0.40	<1.0	474.00	35.60	731.0000	<1.0	0.4000	167000.00	17.20	0.291	537.00	21200.000	<1.0	82.90	1640.000	89.8000	0.60	1340	<0.1	7030.00	<5.0	3250.00	<5.0	1.96	12.3000	<5.0	137000.000	<0.5			
X26	10/19/2010	0.1100	11.00	4.50	8.000	<50.0	0.30	<1.0	500.00	32.20	626.0000	<1.0	0.3000	126000.00	17.90	0.295	469.00	18300.000	<1.0	78.20	1470.000	84.4000	0.80	1290	0.2000	7220.00	<5.0	3350.00	<5.0	1.74	14.0000	<5.0	105000.000	<0.5			
X26 Average		0.0767	12.17	3.87	7.333	45.83	0.28	0.92	515.50	31.10	621.6667	0.92	0.6167	124100.00	0.04	16.87	0.276	472.17	18133.333	1.58	74.28	1536.667	63.4000	0.73	1234	0.1917	7068.33	4.58	3278.33	4.58	1.68	14.1833	4.58	113166.667	0.46		
X26 Max		0.1100	15.00	4.50	8.000	<200.0	<0.4	<4.0	576.00	36.30	769																										

Table C-43: Rose Creek Drainage Water Quality
2010 - Pit Lakes - General Parameters

Station	Date	Acid(pH4.5)	Acid(pH8.3)	ALK	ALKPP	CaCO3	CaCO3-d	Chloride	Chlorophyll a	CO3	COND	CONDf	DO	DO-%	HCO3	NH3	NO2	NO2/3	NO3	OH	oPO4	ORP	pH	pHF	SO4-d	TDS	TEMP-F	TSS
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	mg/L	µmho/cm	µmho/cm	mg/L	%	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mV			mg/L	mg/L	°C	mg/L
FL-1	4/30/2010	<0.5	30	69.00	<0.5	512	519	0.60	<5.0	<0.5	1090.0	1357.0	6.1	58	84.00	0.64	0.01	0.41	0.40	<0.5	<0.005	442	7.6	7.8	540.0	850.00	2	<1.0
	6/16/2010	<0.5	39	66.00	<0.5	672	666	1.10	<5.0	<0.5	1230.0	1237.0			81.00	0.99	<0.005	0.47	0.47	<0.5	<0.005	333	7.7	6.0	610.0	620.00	11	<4.0
	7/14/2010	<0.5	42	74.00	<0.5	612	674	1.40	<5.0	<0.5	1250.0	1245.0	9.8		90.00	0.91	0.01	0.51	0.50	<0.5	<0.005	303	7.6	7.7	600.0	970.00	14	<1.0
	8/12/2010	<0.5	29	77.00	<0.5	695	590	1.60	6	<0.5	1250.0				94.00	1.10	<0.005	0.50	0.50	<0.5	<0.005	348	7.6		610.0	1000.00		<1.0
	9/8/2010	<0.5	36	82.00	<0.5	614	623	1.50	8	<0.5	1310.0	1258.0	6.1	64	100.00	1.20	0.01	0.50	0.49	<0.5	<0.005	349	7.8	7.6	650.0	1100.00	11	<1.0
FL-1 Average		0	35	73.60	0	621	614	1.24	4	0.25	1226.0	1274.3	7.3	61	89.80	0.97	0.01	0.48	0.47	0	0.00	355	7.6	7.3	602.0	908.00	10	1
FL-1 Max		<0.5	42	82.00	<0.5	695	674	1.60	8	<0.5	1310.0	1357.0	9.8	64	100.00	1.20	0.01	0.51	0.50	<0.5	<0.005	442	7.8	7.8	650.0	1100.00	14	<4.0
FL-1 Min		<0.5	29	66.00	<0.5	512	519	0.60	<5.0	<0.5	1090.0	1237.0	6.1	58	81.00	0.64	<0.005	0.41	0.40	<0.5	<0.005	303	7.6	6.0	540.0	620.00	2	<1.0
FL-1 N > DL		0	5	5	0	5	5	5	2	0	5	4	3	2	5	3	5	5	5	0	0	5	5	4	5	5	4	0
FL-1 Median		<0.5	36	74.00	<0.5	614	623	1.40	<5.0	<0.5	1250.0	1251.5	6.1	61	90.00	0.99	0.01	0.50	0.49	<0.5	<0.005	348	7.6	7.7	610.0	970.00	11	<1.0
FL-15	4/30/2010	<0.5	30	89.00	<0.5	668	670	1.30	<0.5	<0.5	1360.0	1372.0	5.3	46	110.00	1.10	0.01	0.44	0.43	<0.5	<0.005	426	7.6	7.9	710.0	1100.00	3	<1.0
	6/16/2010	<0.5	38	74.00	<0.5	744	737	1.50	<0.5	<0.5	1350.0	1232.0			90.00	1.20	<0.005	0.47	0.47	<0.5	<0.005	485	7.6	6.6	710.0	760.00	8	<4.0
	7/14/2010	<0.5	42	94.00	<0.5	699	748	1.70	<0.5	<0.5	1390.0	1533.0	10.0		120.00	1.20	0.01	0.47	0.47	<0.5	<0.005	314	7.6	7.6	650.0	1200.00	5	<1.0
	8/12/2010	<0.5	34	88.00	<0.5	764	677	1.90	<0.5	<0.5	1370.0				110.00	1.30	<0.005	0.47	0.47	<0.5	<0.005	347	7.7		710.0	1100.00		<1.0
	9/8/2010	<0.5	35	86.00	<0.5	702	710	2.10	<0.5	<0.5	1410.0	1350.0	10.9	102	110.00	1.50	<0.005	0.45	0.45	<0.5	<0.005	348	7.6	7.4	730.0	1100.00	6	<1.0
FL-15 Average		0	36	86.20	0	715	708	1.70	0.25	0.25	1376.0	1371.8	8.7	74	108.00	1.26	0.00	0.46	0.46	0	0.00	384	7.6	7.4	702.0	1052.00	5	1
FL-15 Max		<0.5	42	94.00	<0.5	764	748	2.10	<0.5	<0.5	1410.0	1533.0	10.9	102	120.00	1.50	0.01	0.47	0.47	<0.5	<0.005	485	7.7	7.9	730.0	1200.00	8	<4.0
FL-15 Min		<0.5	30	74.00	<0.5	668	670	1.30	<0.5	<0.5	1350.0	1232.0	5.3	46	90.00	1.10	<0.005	0.44	0.43	<0.5	<0.005	314	7.6	6.6	650.0	760.00	3	<1.0
FL-15 N > DL		0	5	5	0	5	5	5	0	0	5	4	3	2	5	5	2	5	5	0	0	5	5	4	5	5	4	0
FL-15 Median		<0.5	35	88.00	<0.5	702	710	1.70	<0.5	<0.5	1370.0	1361.0	10.0	74	110.00	1.20	<0.005	0.47	0.47	<0.5	<0.005	348	7.6	7.5	710.0	1100.00	5	<1.0
FL-3	4/30/2010	<0.5	26	89.00	<0.5	660	667	1.30	<5.0	<0.5	1350.0	1357.0	7.2	59	110.00	1.00	0.01	0.45	0.45	<0.5	<0.005	432	7.7	8.1	690.0	1100.00	2	<1.0
	6/16/2010	<0.5	37	63.00	<0.5	656	661	1.10	<5.0	<0.5	1220.0	1238.0			76.00	1.00	<0.005	0.47	0.47	<0.5	<0.005	330	7.7	6.0	630.0	610.00	11	<4.0
	7/14/2010	<0.5	40	81.00	<0.5	609	680	1.10	<5.0	<0.5	1260.0	1245.0	9.9		99.00	0.89	0.01	0.50	0.49	<0.5	<0.005	303	7.6	7.6	600.0	990.00	14	<1.0
	8/12/2010	<0.5	26	78.00	<0.5	703	601	1.50	11	<0.5	1240.0				96.00	1.20	0.01	0.51	0.51	<0.5	<0.005	337	7.7		570.0	1000.00		<1.0
	9/8/2010	<0.5	35	81.00	<0.5	641	681	1.50	<0.5	<0.5	1320.0	1257.0	5.7	60	99.00	1.10	0.01	0.51	0.50	<0.5	<0.005	347	7.7	7.8	690.0	1100.00	11	<1.0
FL-3 Average		0	33	78.40	0	654	658	1.30	4	0.25	1278.0	1274.3	7.6	60	96.00	1.04	0.01	0.49	0.48	0	0.00	350	7.7	7.4	636.0	960.00	9	1
FL-3 Max		<0.5	40	89.00	<0.5	703	681	1.50	11	<0.5	1350.0	1357.0	9.9	60	110.00	1.20	0.01	0.51	0.51	<0.5	<0.005	432	7.7	8.1	690.0	1100.00	14	<4.0
FL-3 Min		<0.5	26	63.00	<0.5	609	601	1.10	<0.5	<0.5	1220.0	1238.0	5.7	59	76.00	0.89	<0.005	0.45	0.45	<0.5	<0.005	303	7.6	6.0	570.0	610.00	2	<1.0
FL-3 N > DL		0	5	5	0	5	5	5	1	0	5	4	3	2	5	5	4	5	5	0	0	5	5	4	5	5	4	0
FL-3 Median		<0.5	35	81.00	<0.5	656	667	1.30	<5.0	<0.5	1260.0	1251.0	7.2	60	99.00	1.00	0.01	0.50	0.49	<0.5	<0.005	337	7.7	7.7	630.0	1000.00	11	<1.0
FL-30	4/30/2010	<0.5	13	93.00	<0.5	725	756	6.50	<0.5	<0.5	1460.0	1544.0	1.4	13	110.00	1.40	<0.005	<0.02	<0.02	<0.5	<0.005	4	7.3	7.4	760.0	1200.00	4	33
	6/16/2010	<0.5	25	93.00	<0.5	691	705	6.30	<0.5	<0.5	1480.0	1233.0			110.00	1.60	<0.005	<0.02	<0.02	<0.5	<0.005	195	8.0	6.6	780.0	930.00	5	39
	7/14/2010	<0.5	20	100.00	<0.5	754	770	6.80	<0.5	<0.5	1510.0	1564.0	1.6		130.00	1.70	<0.005	<0.02	<0.02	<0.5	<0.005	112	7.1	7.0	730.0	1200.00	5	25
	8/12/2010	<0.5	19	95.00	<0.5	750	726	6.40	<0.5	<0.5	1490.0				120.00	2.10	<0.005	<0.02	<0.02	<0.5	<0.005	141	7.3		810.0	1200.00		37
	9/8/2010	<0.5	20	93.00	<0.5	761	821	6.70	<0.5	<0.5	1530.0	1513.0	1.5	14	110.00	2.00	<0.005	<0.02	<0.02	<0.5	<0.005	159	7.4	7.2	800.0	1300.00	5	35
FL-30 Average		0	19	94.80	0	736	756	6.54	0.25	0.25	1494.0	1463.5	1.5	13	116.00	1.76	0.00	0.01	0.01	0	0.00	122	7.4	7.0	776.0	1166.00	5	34
FL-30 Max		<0.5	25	100.00	<0.5	761	821	6.80	<0.5	<0.5	1530.0	1564.0	1.6	14	130.00	2.10	<0.005	<0.02	<0.02	<0.5	<0.005	195	8.0	7.4	810.0	1300.00	5	39
FL-30 Min		<0.5	13	93.00	<0.5	691	705	6.30	<0.5	<0.5	1460.0	1233.0	1.4	13	110.00	1.40	<0.005	<0.02	<0.02	<0.5	<0.005	4	7.1	6.6	730.0	930.00	4	25
FL-30 N > DL		0	5	5	0	5	5	5	0	0	5	4	3	2	5	5	0	0	0	0	0	5	5	4	5	5	4	5
FL-30 Median		<0.5	20	93.00	<0.5	750	756	6.50	<0.5	<0.5	1490.0	1528.5	1.5	13	110.00	1.70	<0.005	<0.02	<0.02	<0.5	<0.005	141	7.3	7.1	780.0	1200.00	5	35
FL-5	4/30/2010	<0.5	29	85.00	<0.5	656	677	1.40	<5.0	<0.5	1360.0	1366.0	6.2	53	100.00	1.00												

Table C-44: Rose Creek Drainage Water Quality
2010 - Pit Lakes - Dissolved Metals

Station	Date	Ag-d	Al-d	As-d	Ba-d	B-d	Be-d	Bi-d	Ca-d	Cd-d	Co-d	Cr-d	Cu-d	Fe-d	K-d	Li-d	Mg-d	Mn-d	Mo-d	Na-d	Ni-d	Pb-d	Sb-d	S-d	Se-d	Si-d	Sn-d	Sr-d	Ti-d	Ti-d	U-d	V-d	Zn-d	Zr-d
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FL-1	4/30/2010	<0.03	21.00	<0.1	18.400	<300.0	0.18	<0.03	112.00	18.70	39.4000	<0.5	18.3000	7.00	5.40	0.046	58.10	2190.000	0.40	12.20	104.000	0.8000	0.20	179	<0.2	5030.00	<0.05	441.00	<3.0	0.20	1.0500	<1.0	18800.000	<0.5
	6/16/2010	<0.03	4.00	<0.1	16.400	<300.0	0.06	<0.03	143.00	17.40	51.3000	<0.5	9.1000	<5.0	8.00	0.057	75.00	2990.000	0.50	19.00	129.000	0.1400	0.30	210	<0.2	4000.00	<0.05	591.00	<3.0	0.45	1.2700	<1.0	21400.000	<0.5
	7/14/2010	0.0160	3.80	0.20	16.300	<50.0	0.04	<0.005	146.00	16.00	53.4000	<0.1	6.5400	35.00	8.01	0.054	75.40	2990.000	0.56	19.00	129.000	0.3900	0.26	249	0.1300	3960.00	<0.01	620.00	<0.5	0.43	1.2200	<0.2	18000.000	<0.1
	8/12/2010	<0.03	3.00	0.20	16.300	<300.0	<0.05	<0.03	127.00	16.60	50.8000	<0.5	5.6000	10.00	7.10	0.058	66.30	2940.000	0.50	16.20	131.000	0.4100	0.30	212	<0.2	2880.00	<0.05	570.00	<3.0	0.45	1.1000	<1.0	20600.000	<0.5
	9/8/2010	<0.03	4.00	0.20	15.600	<300.0	0.06	<0.03	128.00	15.90	50.5000	<0.5	5.1000	18.00	7.30	0.058	73.60	2930.000	0.60	17.50	128.000	0.2600	0.20	226	<0.2	3550.00	<0.05	605.00	4.00	0.49	1.0400	<1.0	21400.000	<0.5
FL-1 Average		0.0152	7.16	0.14	16.600	125.00	0.07	0.01	131.20	16.92	49.0800	0.21	8.9280	14.50	7.16	0.055	69.68	2808.000	0.51	16.78	124.200	1.1100	0.25	215	0.1060	3884.00	0.02	565.40	1.75	0.40	1.1360	0.42	20040.000	0.21
FL-1 Max		<0.03	21.00	0.20	18.400	<300.0	0.18	<0.03	146.00	18.70	53.4000	<0.5	18.3000	35.00	8.01	0.058	75.40	2990.000	0.60	19.00	131.000	0.3900	0.30	249	<0.2	5030.00	<0.05	620.00	4.00	0.49	1.2700	<1.0	21400.000	<0.5
FL-1 Min		0.0160	3.00	<0.1	15.600	<50.0	0.04	<0.005	112.00	15.90	39.4000	<0.1	5.1000	<5.0	5.40	0.046	58.10	2190.000	0.40	12.20	104.000	0.1400	0.20	179	0.1300	2880.00	<0.01	441.00	<0.5	0.20	1.0400	<0.2	18000.000	<0.1
FL-1 N > DL		1	5	3	5	0	4	0	5	5	5	0	5	4	5	5	5	5	5	5	5	5	5	5	1	5	0	5	1	5	5	0	5	0
FL-1 Median		<0.03	4.00	0.20	16.300	<300.0	0.06	<0.03	128.00	16.60	50.8000	<0.5	6.5400	10.00	7.30	0.057	73.60	2940.000	0.50	17.50	129.000	0.4100	0.26	212	<0.2	3960.00	<0.05	591.00	<3.0	0.45	1.1000	<1.0	20600.000	<0.5
FL-15	4/30/2010	<0.03	18.00	0.20	16.200	<300.0	<0.05	<0.03	148.00	15.30	52.8000	<0.5	5.3000	6.00	8.40	0.059	72.80	3210.000	0.60	18.70	131.000	0.2900	0.30	240	<0.2	3710.00	<0.05	614.00	<3.0	0.39	1.1300	<1.0	19800.000	<0.5
	6/16/2010	<0.03	9.00	0.20	16.600	<300.0	<0.05	<0.03	153.00	16.90	57.8000	<0.5	8.1000	<5.0	9.80	0.065	86.20	3650.000	0.60	23.00	146.000	0.0900	0.30	240	<0.2	3300.00	<0.05	667.00	<3.0	0.48	1.0600	<1.0	23700.000	<0.5
	7/14/2010	0.0180	3.50	0.18	16.000	<50.0	0.06	<0.005	155.00	14.70	64.8000	<0.1	0.1500	16.00	9.49	0.064	87.80	3590.000	0.59	23.20	158.000	0.1140	0.28	293	0.1200	3440.00	<0.01	693.00	<0.5	0.46	1.2200	<0.2	19900.000	<0.1
	8/12/2010	<0.03	6.00	0.20	16.700	<300.0	0.09	<0.03	150.00	15.90	59.3000	<0.5	<0.3	7.00	8.60	0.065	73.60	3560.000	0.50	19.50	150.000	0.1800	0.30	232	<0.2	2710.00	<0.05	625.00	<3.0	0.45	1.1600	<1.0	22400.000	<0.5
	9/8/2010	<0.03	7.00	0.20	14.800	<300.0	0.06	<0.03	153.00	16.80	58.9000	<0.5	4.0000	8.00	8.90	0.061	79.90	3610.000	0.40	20.90	147.000	0.1100	0.30	277	<0.2	3700.00	<0.05	620.00	<3.0	0.45	0.9100	<1.0	23000.000	<0.5
FL-15 Average		0.0156	8.70	0.20	16.060	125.00	0.05	0.01	151.80	15.92	58.7200	0.21	3.5400	7.90	9.04	0.063	80.06	3524.000	0.54	21.06	146.400	0.1568	0.30	256	0.1040	3372.00	0.02	643.80	1.25	0.45	1.0960	0.42	21760.000	0.21
FL-15 Max		<0.03	18.00	0.20	16.700	<300.0	0.09	<0.03	155.00	16.90	64.8000	<0.5	8.1000	16.00	9.80	0.065	87.80	3650.000	0.60	23.20	158.000	0.2900	0.30	293	<0.2	3710.00	<0.05	693.00	<3.0	0.48	1.2200	<1.0	23700.000	<0.5
FL-15 Min		0.0180	3.50	0.18	14.800	<50.0	<0.05	<0.005	148.00	14.70	52.8000	<0.1	0.1500	<5.0	8.40	0.059	72.80	3210.000	0.40	18.70	131.000	0.0900	0.28	232	0.1200	2710.00	<0.01	614.00	<0.5	0.39	0.9100	<0.2	19800.000	<0.1
FL-15 N > DL		1	5	5	5	0	3	0	5	5	5	0	4	4	5	5	5	5	5	5	5	5	5	5	1	5	0	5	0	5	5	0	5	0
FL-15 Median		<0.03	7.00	0.20	16.200	<300.0	0.06	<0.03	153.00	15.90	58.9000	<0.5	4.0000	7.00	8.90	0.064	79.90	3590.000	0.59	20.90	147.000	0.1140	0.30	240	<0.2	3440.00	<0.05	625.00	<3.0	0.45	1.1300	<1.0	22400.000	<0.5
FL-3	4/30/2010	<0.03	22.00	<0.1	17.000	<300.0	0.09	<0.03	148.00	17.20	53.0000	<0.5	2.0000	8.00	8.10	0.059	72.40	3090.000	0.60	18.30	131.000	0.5300	0.30	239	<0.2	4020.00	<0.05	609.00	<3.0	0.35	1.1900	<1.0	20600.000	1.30
	6/16/2010	<0.03	3.00	0.20	16.300	<300.0	0.06	<0.03	136.00	17.30	52.9000	<0.5	8.9000	65.00	8.20	0.057	78.40	3100.000	0.50	19.70	131.000	0.0700	0.30	211	<0.2	3660.00	<0.05	602.00	<3.0	0.44	1.2500	<1.0	22100.000	<0.5
	7/14/2010	0.0140	2.00	0.19	16.100	<50.0	0.04	<0.005	143.00	16.30	56.5000	<0.1	6.8500	16.00	8.04	0.055	78.40	3050.000	0.57	20.00	136.000	0.3100	0.24	265	0.1500	3770.00	<0.01	622.00	<0.5	0.43	1.2400	<0.2	18400.000	<0.1
	8/12/2010	<0.03	8.00	0.20	16.200	<300.0	0.06	<0.03	128.00	16.30	51.6000	<0.5	6.1000	19.00	7.30	0.057	68.10	3010.000	0.50	17.00	133.000	0.5900	0.20	227	<0.2	2770.00	<0.05	561.00	<3.0	0.45	1.0600	<1.0	21000.000	<0.5
	9/8/2010	<0.03	4.00	<0.1	14.900	<300.0	0.07	<0.03	143.00	15.70	51.6000	<0.5	5.4000	15.00	7.80	0.055	78.60	3060.000	0.60	18.70	136.000	0.2800	0.20	238	<0.2	4050.00	<0.05	584.00	<3.0	0.41	0.9700	<1.0	22200.000	<0.5
FL-3 Average		0.0148	7.80	0.14	16.100	125.00	0.06	0.01	139.60	16.56	53.1200	0.21	5.8500	24.60	7.89	0.057	75.18	3062.000	0.55	18.74	133.400	0.3560	0.25	236	0.1100	3654.00	0.02	595.60	1.25	0.42	1.1420	0.42	20860.000	0.42
FL-3 Max		<0.03	22.00	0.20	17.000	<300.0	0.09	<0.03	148.00	17.30	56.5000	<0.5	8.9000	65.00	8.20	0.059	78.60	3100.000	0.60	20.00	136.000	0.5900	0.30	265	<0.2	4050.00	<0.05	622.00	<3.0	0.45	1.2500	<1.0	22200.000	1.30
FL-3 Min		0.0140	2.00	<0.1	14.900	<50.0	0.04	<0.005	128.00	15.70	51.6000	<0.1	2.0000	8.00	7.30	0.055	68.10	3010.000	0.50	17.00	131.000	0.0700	0.20	211	0.1500	2770.00	<0.01	561.00	<0.5	0.35	0.9700	<0.2	18400.000	<0.1
FL-3 N > DL		1	5	3	5	0	5	0	5	5	5	0	5	5	5	5	5	5	5	5	5	5	5	5	1	5	0	5	0	5	5	0	5	1
FL-3 Median		<0.03	4.00	0.19	16.200	<300.0	0.06	<0.03	143.00	16.30	52.9000	<0.5	6.1000	16.00	8.04	0.057	78.40	3060.000	0.57	18.70	133.000	0.3100	0.24	238	<0.2	3770.00	<0.05	602.00	<3.0	0.43	1.1900	<1.0	21000.000	<0.5
FL																																		

Table C-45: Rose Creek Drainage Water Quality
2010 - Pit Lakes - Total Metals

Station	Date	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Se	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FL-1	4/30/2010	0.1500	24.00	0.200	<300.0	18.800	0.18	<0.03	109.00	18.70	39.8000	<0.5	21.3000	96.00	5.10	0.04	58.60	2150.000	0.60	12.50	110.000	<0.005	1.8100	169.00	0.20	<0.2	4650.00	<0.05	432.00	<3.0	0.21	1.0900	<1.0	19300.000	<0.5
	6/16/2010	<0.03	17.00	0.200	<300.0	17.200	0.09	<0.03	142.00	17.30	52.0000	<0.5	12.3000	116.00	8.30	0.06	76.80	3060.000	0.60	19.20	132.000	<0.005	1.3600	218.00	0.30	<0.2	3880.00	<0.05	600.00	<3.0	0.45	1.1800	<1.0	21800.000	<0.5
	7/14/2010	0.0140	11.60	0.220	<50.0	16.600	0.06	<0.005	121.00	16.30	52.2000	<0.1	12.7000	155.00	7.71	0.06	75.50	2920.000	0.48	18.30	129.000	<0.005	1.6700	239.00	0.25	0.1200	3460.00	<0.05	592.00	<0.5	0.42	1.2600	<0.2	18200.000	<0.1
	8/12/2010	<0.03	10.00	<0.1	<300.0	17.400	<0.05	<0.03	148.00	18.20	53.1000	<0.5	7.4000	47.00	8.20	0.06	79.10	3150.000	0.50	19.10	138.000	<0.005	0.8500	260.00	0.20	<0.2	4530.00	<0.05	631.00	<3.0	0.47	0.9200	<1.0	21900.000	<0.5
	9/8/2010	<0.03	12.00	0.200	<300.0	16.300	0.07	<0.03	126.00	18.00	50.9000	0.60	6.4000	174.00	7.80	0.06	72.60	3020.000	0.60	17.90	128.000	<0.005	2.1300	244.00	0.90	<0.2	3460.00	<0.05	604.00	8.00	0.48	1.1300	<1.0	20300.000	<0.5
FL-1 Average		0.0418	14.92	0.174	125.00	17.260	0.09	0.01	129.20	17.70	49.6000	0.28	12.0200	117.60	7.42	0.05	72.52	2860.000	0.56	17.40	127.400	0.00	1.5640	226.00	0.37	0.1040	3996.00	0.02	571.80	2.55	0.41	1.1160	0.42	20300.000	0.21
FL-1 Max		0.1500	24.00	0.220	<300.0	18.800	0.18	<0.03	148.00	18.70	53.1000	0.60	21.3000	174.00	8.30	0.06	79.10	3150.000	0.60	19.20	138.000	<0.005	2.1300	260.00	0.90	<0.2	4650.00	<0.05	631.00	8.00	0.48	1.2600	<1.0	21900.000	<0.5
FL-1 Min		0.0140	10.00	<0.1	<50.0	16.300	<0.05	<0.005	109.00	16.30	39.8000	<0.1	6.4000	47.00	5.10	0.04	58.60	2150.000	0.48	12.50	110.000	<0.005	0.8500	169.00	0.20	0.1200	3460.00	0.02	432.00	<0.5	0.21	0.9200	<0.2	18200.000	<0.1
FL-1 N > DL		2	5	4	0	5	4	0	5	5	5	1	5	5	5	5	5	5	5	5	5	0	5	5	5	1	5	1	5	1	5	5	0	5	0
FL-1 Median		<0.03	12.00	0.200	<300.0	17.200	0.07	<0.03	126.00	18.00	52.0000	<0.5	12.3000	116.00	7.80	0.06	75.50	3020.000	0.60	18.30	129.000	<0.005	1.6700	239.00	0.25	<0.2	3880.00	<0.05	600.00	<3.0	0.45	1.1300	<1.0	20300.000	<0.5
FL-15	4/30/2010	0.0900	17.00	0.200	<300.0	15.800	0.07	<0.03	145.00	15.10	53.1000	<0.5	7.4000	23.00	8.10	0.06	74.20	3190.000	0.60	19.20	134.000	<0.005	0.3000	235.00	0.30	<0.2	3400.00	<0.05	608.00	<3.0	0.42	1.1400	<1.0	20300.000	<0.5
	6/16/2010	<0.03	16.00	<0.1	<300.0	16.900	0.07	<0.03	160.00	17.10	55.8000	<0.5	9.3000	62.00	9.50	0.06	83.80	3570.000	0.50	22.10	142.000	<0.005	0.5200	244.00	0.30	<0.2	3800.00	<0.05	655.00	<3.0	0.50	1.0600	<1.0	22900.000	<0.5
	7/14/2010	0.0130	10.30	0.180	<50.0	16.000	0.07	<0.005	141.00	16.20	61.4000	<0.1	3.9000	110.00	9.09	0.06	84.50	3460.000	0.54	21.80	152.000	<0.005	0.8520	272.00	0.29	0.1200	3540.00	<0.01	666.00	<0.5	0.45	1.2100	<0.2	19600.000	<0.1
	8/12/2010	<0.03	10.00	<0.1	<300.0	17.300	0.07	<0.03	165.00	17.20	61.8000	<0.5	2.4000	64.00	9.60	0.07	85.50	3720.000	0.50	21.90	156.000	<0.005	0.7300	288.00	0.30	<0.2	4310.00	<0.05	678.00	<3.0	0.49	0.9700	<1.0	22900.000	<0.5
	9/8/2010	<0.03	11.00	0.200	<300.0	15.700	<0.05	<0.03	152.00	17.60	56.7000	<0.5	5.5000	62.00	8.90	0.06	78.50	3430.000	0.50	20.50	141.000	<0.005	0.6600	262.00	0.30	<0.2	3470.00	<0.05	634.00	9.00	0.45	1.0700	2.00	20800.000	<0.5
FL-15 Average		0.0296	12.86	0.136	125.00	16.340	0.06	0.01	152.60	16.64	57.7600	0.21	5.7000	64.20	9.04	0.06	81.30	3474.000	0.53	21.10	145.000	0.00	0.6124	260.20	0.30	0.1040	3704.00	0.02	648.20	2.75	0.46	1.0900	0.72	21300.000	0.21
FL-15 Max		0.0900	17.00	0.200	<300.0	17.300	0.07	<0.03	165.00	17.60	61.8000	<0.5	9.3000	110.00	9.60	0.07	85.50	3720.000	0.60	22.10	156.000	<0.005	0.8520	288.00	0.30	<0.2	4310.00	<0.05	678.00	9.00	0.50	1.2100	2.00	22900.000	<0.5
FL-15 Min		0.0130	10.00	<0.1	<50.0	15.700	<0.05	<0.005	141.00	15.10	53.1000	<0.1	2.4000	23.00	8.10	0.06	74.20	3190.000	0.50	19.20	134.000	<0.005	0.3000	235.00	0.29	0.1200	3400.00	<0.01	608.00	<0.5	0.42	0.9700	<0.2	19600.000	<0.1
FL-15 N > DL		2	5	3	0	5	4	0	5	5	5	0	5	5	5	5	5	5	5	5	5	0	5	5	5	1	5	0	5	1	5	5	1	5	0
FL-15 Median		<0.03	11.00	0.180	<300.0	16.000	0.07	<0.03	152.00	17.10	56.7000	<0.5	5.5000	62.00	9.09	0.06	83.80	3460.000	0.50	21.80	142.000	<0.005	0.6600	262.00	0.30	<0.2	3540.00	<0.05	655.00	<3.0	0.45	1.0700	<1.0	20800.000	<0.5
FL-3	4/30/2010	0.1100	21.00	<0.1	<300.0	16.600	0.08	<0.03	144.00	17.10	53.9000	<0.5	6.6000	48.00	7.80	0.05	73.20	3020.000	0.60	18.50	134.000	<0.005	0.8900	235.00	0.30	<0.2	4160.00	<0.05	596.00	<3.0	0.36	1.2000	<1.0	21100.000	<0.5
	6/16/2010	<0.03	17.00	0.200	<300.0	16.200	0.09	<0.03	140.00	17.30	49.7000	<0.5	11.6000	108.00	7.80	0.06	74.30	2930.000	0.50	18.60	123.000	<0.005	1.0200	218.00	0.30	<0.2	3930.00	<0.05	587.00	<3.0	0.45	1.1600	<1.0	20800.000	<0.5
	7/14/2010	0.0130	7.60	0.140	<50.0	15.700	0.06	<0.005	121.00	15.80	52.1000	<0.1	8.7000	116.00	7.52	0.05	74.30	2840.000	0.52	18.20	130.000	<0.005	0.8530	231.00	0.24	0.1200	3510.00	<0.01	589.00	<0.5	0.42	1.2500	<0.2	17900.000	<0.1
	8/12/2010	<0.03	9.00	<0.1	<300.0	17.400	<0.05	<0.03	147.00	17.80	54.0000	<0.5	7.4000	42.00	8.40	0.06	81.40	3160.000	0.40	19.70	142.000	<0.005	0.7500	262.00	0.20	<0.2	4440.00	<0.05	621.00	<3.0	0.47	0.9200	<1.0	22300.000	<0.5
	9/8/2010	<0.03	11.00	0.200	<300.0	15.600	<0.05	<0.03	139.00	17.10	48.2000	<0.5	6.6000	172.00	7.50	0.06	71.20	2850.000	0.60	17.50	121.000	<0.005	1.7000	221.00	0.90	<0.2	3640.00	<0.05	585.00	8.00	0.43	1.1200	<1.0	19700.000	<0.5
FL-3 Average		0.0336	13.12	0.128	125.00	16.300	0.06	0.01	138.20	17.02	51.5800	0.21	8.1800	97.20	7.80	0.06	74.88	2960.000	0.52	18.50	130.000	0.00	1.0426	233.40	0.39	0.1040	3936.00	0.02	595.60	2.55	0.43	1.1300	0.42	20360.000	0.21
FL-3 Max		0.1100	21.00	0.200	<300.0	17.400	0.09	<0.03	147.00	17.80	54.0000	<0.5	11.6000	172.00	8.40	0.06	81.40	3160.000	0.60	19.70	142.000	<0.005	1.7000	262.00	0.90	<0.2	4440.00	<0.05	621.00	8.00	0.47	1.2500	<1.0	22300.000	<0.5
FL-3 Min		0.0130	7.60	<0.1	<50.0	15.600	<0.05	<0.005	121.00	15.80	48.2000	<0.1	6.6000	42.00	7.50	0.05	71.20	2840.000	0.40	17.50	121.000	<0.005	0.7500	218.00	0.20	0.1200	3510.00	<0.01	585.00	<0.5	0.36	0.9200	<0.2	17900.000	<0.1
FL-3 N > DL		2	5	3	0	5	3	0	5	5	5	0	5	5	5	5	5	5	5	5	5	0	5	5	5	1	5	0	5	1	5</				

Table C-63: Rose Creek Drainage Water Quality 2010 - Ion Charge Balance

Station	Date	Surface
ETA Combined	9/2/2010	0.95
ETA Combined	10/20/2010	0.99
ETA Combined	11/8/2010	0.95
ETA Combined	12/1/2010	
FARO CR	5/3/2010	
FARO CR	6/5/2010	1.00
FARO CR	7/8/2010	
FARO CR	8/3/2010	1.00
FARO CR	9/1/2010	1.00
FARO CR	10/19/2010	1.00
FCO	6/16/2010	1.00
FCO	9/1/2010	
FCO	10/7/2010	1.00
FCO	11/4/2010	
FCS-4	9/2/2010	0.89
FCS-4	10/20/2010	0.89
FCS-4	11/10/2010	
FCS-4	12/2/2010	
GDHSECK	3/4/2010	
GDHSECK	6/16/2010	0.99
GDHSECK	10/6/2010	1.00
NF1	2/23/2010	
NF1	3/10/2010	
NF1	4/11/2010	
NF1	5/3/2010	
NF1	6/5/2010	1.00
NF1	7/8/2010	
NF1	8/3/2010	0.99
NF2	1/12/2010	
NF2	2/23/2010	
NF2	3/10/2010	
NF2	4/14/2010	
NF2	5/3/2010	
NF2	6/4/2010	1.00
NF2	7/8/2010	
NF2	8/3/2010	1.00
NF2	9/1/2010	1.00
NF2	10/18/2010	1.00
NF2	11/9/2010	1.00
NF2	12/1/2010	
NFRC SC-1	1/12/2010	
NFRC SC-1	2/23/2010	
NFRC SC-1	3/10/2010	
NFRC SC-1	4/14/2010	
NFRC SC-1	5/3/2010	
NFRC SC-1	6/4/2010	1.00
NFRC SC-1	7/8/2010	
NFRC SC-1	8/3/2010	1.00
NFRC SC-1	10/18/2010	1.00
NFRC SC-2	1/12/2010	
NFRC SC-2	2/23/2010	
NFRC SC-2	3/10/2010	
NFRC SC-2	4/14/2010	
NFRC SC-2	5/3/2010	
NFRC SC-2	6/4/2010	1.00
NFRC SC-2	7/8/2010	
NFRC SC-2	8/3/2010	1.00
NFRC SC-2	10/18/2010	1
NFRC SC-3	1/12/2010	
NFRC SC-3	2/23/2010	
NFRC SC-3	3/10/2010	
NFRC SC-3	4/14/2010	
NFRC SC-3	5/3/2010	
NFRC SC-3	6/4/2010	1
NFRC SC-3	7/8/2010	
NFRC SC-3	8/3/2010	1.00
NFRC SC-3	10/18/2010	1.00
NFRC SC-4	1/11/2010	
NFRC SC-4	2/23/2010	
NFRC SC-4	3/10/2010	
NFRC SC-4	4/14/2010	
NFRC SC-4	5/3/2010	
NFRC SC-4	6/4/2010	1.00
NFRC SC-4	7/8/2010	
NFRC SC-4	8/3/2010	1.00
NFRC SC-4	10/18/2010	1.00
NWID	2/22/2010	
NWID	3/10/2010	
NWID	4/15/2010	
NWID	5/3/2010	
NWID	6/4/2010	1.00
NWID	7/10/2010	1.00
NWID	8/3/2010	0.90
R10	1/11/2010	
R10	2/23/2010	
R10	3/10/2010	
R10	4/11/2010	
R10	5/3/2010	
R10	6/5/2010	1.00
R10	7/8/2010	
R10	8/3/2010	1.00
R10	9/1/2010	
R10	10/19/2010	1.00
R10	11/10/2010	
R10	12/1/2010	

Station	Date	Surface
R7	1/11/2010	
R7	2/23/2010	
R7	3/10/2010	
R7	4/11/2010	
R7	5/3/2010	
R7	6/5/2010	1.00
R7	7/8/2010	
R7	8/3/2010	1.00
R7	9/1/2010	1.00
R7	10/19/2010	1.00
R7	11/10/2010	
R7	12/1/2010	
R8	3/10/2010	
R8	4/11/2010	
R8	5/3/2010	
R8	6/5/2010	1.00
R8	7/8/2010	
R8	8/3/2010	1.00
R8	9/1/2010	1.00
R8	10/19/2010	1.00
R8	11/10/2010	
R8	12/1/2010	
R9	1/11/2010	
R9	2/23/2010	
R9	3/10/2010	
R9	4/11/2010	
R9	5/3/2010	
R9	6/5/2010	1.00
R9	7/8/2010	
R9	8/3/2010	1.00
R9	9/1/2010	1.00
R9	10/19/2010	1.00
R9	11/10/2010	
R9	12/1/2010	
RCSG#4	1/12/2010	
RCSG#4	3/10/2010	
RCSG#4	4/13/2010	
RCSG#4	5/3/2010	
RCSG#4	6/4/2010	1.00
RCSG#4	7/8/2010	
RCSG#4	8/3/2010	1.00
W10	5/3/2010	
W10	6/5/2010	1
W10	7/10/2010	1.00
W8	6/17/2010	1.00
X10	1/11/2010	
X10	2/22/2010	
X10	3/10/2010	
X10	4/13/2010	
X10	5/3/2010	
X10	6/4/2010	1.00
X10	7/8/2010	
X10	8/3/2010	1.00
X10	9/2/2010	1.00
X10	10/21/2010	1.00
X10	11/9/2010	1.00
X10	12/1/2010	
X14	1/11/2010	
X14	2/22/2010	
X14	3/10/2010	
X14	3/22/2010	
X14	3/30/2010	
X14	4/6/2010	
X14	4/13/2010	
X14	4/20/2010	
X14	4/27/2010	
X14	5/4/2010	
X14	5/11/2010	
X14	5/18/2010	
X14	5/25/2010	
X14	6/1/2010	
X14	6/8/2010	0.94
X14	6/15/2010	0.93
X14	6/22/2010	0.90
X14	6/29/2010	1.00
X14	6/29/2010	1.00
X14	7/6/2010	1
X14	7/13/2010	1.00
X14	7/20/2010	1.00
X14	7/27/2010	
X14	8/3/2010	0.98
X14	8/10/2010	
X14	8/17/2010	0.94
X14	8/24/2010	0.99
X14	8/31/2010	1.00
X14	9/7/2010	1
X14	10/21/2010	0.97
X14	11/9/2010	0.97
X14	11/18/2010	1.10
X14	11/25/2010	
X14	12/2/2010	1.00

Station	Date	Surface
X2	1/11/2010	
X2	2/22/2010	
X2	3/10/2010	
X2	4/14/2010	
X2	5/3/2010	
X2	6/4/2010	1.00
X2	7/8/2010	
X2	8/3/2010	1.00
X2	9/2/2010	1.00
X2	10/18/2010	1.00
X2	11/9/2010	1.00
X2	12/1/2010	
X22b	1/11/2010	
X22b	2/22/2010	
X22b	3/10/2010	
X22b	4/13/2010	
X22b	5/3/2010	
X22b	6/4/2010	1.10
X22b	7/10/2010	1.00
X22b	8/3/2010	1.10
X22b	9/1/2010	0.90
X22b	10/20/2010	0.98
X22b	11/8/2010	0.94
X22b	12/1/2010	
X3	1/11/2010	
X3	2/22/2010	
X3	3/9/2010	
X3	4/14/2010	
X3	5/3/2010	
X3	6/4/2010	1.00
X3	7/8/2010	
X3	8/3/2010	1.00
X3	9/2/2010	1.00
X3	10/21/2010	1.00
X3	11/9/2010	1.00
X3	12/1/2010	
X3A	9/2/2010	1.00
X3A	10/21/2010	1.00
X3A	11/9/2010	1.00
X3A	12/1/2010	
X4	1/11/2010	
X4	2/22/2010	
X4	3/9/2010	
X4	4/13/2010	
X4	5/3/2010	
X4	6/4/2010	1.00
X4	7/10/2010	1.00
X4	8/3/2010	0.90
X4	9/2/2010	0.94
X4	10/20/2010	0.93
X4	11/8/2010	1
X4	12/1/2010	
X5	3/22/2010	
X5	3/30/2010	
X5	4/6/2010	
X5	4/13/2010	
X5	4/20/2010	
X5	4/27/2010	
X5	5/4/2010	
X5	5/11/2010	
X5	5/18/2010	
X5	5/25/2010	
X5	6/1/2010	
X5	6/8/2010	1
X5	6/15/2010	0.96
X5	6/15/2010	
X5	6/22/2010	0.90
X5	6/29/2010	0.99
X5	7/6/2010	0.86
X5	7/13/2010	1.10
X5	7/20/2010	0.96
X5	7/27/2010	
X5	8/10/2010	
X5	8/17/2010	0.99
X5	8/24/2010	1.00
X5	8/31/2010	0.91
X5	9/7/2010	0.89
X5	9/7/2010	
X5	11/18/2010	1.00
X5	11/25/2010	
X5	12/2/2010	
X5	12/2/2010	0.98
X5P	1/11/2010	
X5P	2/22/2010	
X5P	3/2/2010	
X5P	4/13/2010	
X5P	5/3/2010	
X5P	6/4/2010	1.10
X5P	7/10/2010	0.96
X5P	8/3/2010	0.97
X5P	9/2/2010	0.97
X5P	10/20/2010	0.92
X5P	11/8/2010	0.95
X5P	12/1/2010	

Table C-63: Rose Creek Drainage Water Quality 2010 - Ion Charge Balance

Station	Date	Surface
X7	6/1/2010	
X7	10/6/2010	0.90

Station	Date	Seepage
A25	5/31/2010	
A30	2/4/2010	
A30	2/24/2010	
A30	3/2/2010	
A30	3/28/2010	
A30	4/10/2010	
A30	4/19/2010	
A30	5/1/2010	
A30	5/18/2010	
A30	6/2/2010	
A30	6/15/2010	0.84
A30	7/7/2010	0.86
A30	7/22/2010	0.93
A30	8/5/2010	1.00
A30	8/18/2010	1.00
A30	9/1/2010	1.00
A30	10/20/2010	1.00
A30	11/4/2010	1.00
A30	12/1/2010	
NE1	6/1/2010	
SP5-6	6/1/2010	
SP5-6	7/10/2010	1.00
SP5-6	8/5/2010	1.10
SP5-6	9/1/2010	1.00
SP5-6	10/6/2010	1.00
W5	6/1/2010	
Weir 3	3/4/2010	
Weir 3	8/5/2010	0.96
Weir 3	11/4/2010	
X11	3/4/2010	
X11	8/5/2010	1.00
X11	11/4/2010	
X12	3/4/2010	
X12	8/5/2010	0.98
X12	11/4/2010	
X13	1/11/2010	
X13	2/17/2010	
X13	3/2/2010	
X13	4/15/2010	
X13	5/6/2010	
X13	6/10/2010	1.10
X13	7/11/2010	0.99
X13	8/5/2010	1.00
X13	9/2/2010	1.10
X13	10/7/2010	1.00
X13	11/4/2010	1.00
X13	12/2/2010	
X23	1/12/2010	
X23	4/27/2010	
X23	5/6/2010	
X23	6/10/2010	0.80
X23	7/10/2010	0.86
X23	8/5/2010	0.95
X23	9/2/2010	0.95
X23	10/7/2010	0.94
X23	11/4/2010	0.94

Station	Date	Groundwater
BH10A	9/16/2010	1.10
BH10B	9/16/2010	1.10
BH13B	9/21/2010	1.10
BH14A	6/11/2010	0.96
BH14A	9/21/2010	1.00
BH14B	6/11/2010	0.97
BH14B	9/21/2010	1.00
BH5	9/16/2010	1.00
BH6	9/16/2010	0.95
BH8	9/18/2010	0.90
P01-01A	6/6/2010	1.10
P01-01A	9/8/2010	0.97
P01-01B	6/6/2010	1.10
P01-01B	9/8/2010	1.10
P01-02A	6/6/2010	1.20
P01-02A	9/8/2010	1.00
P01-02B	6/6/2010	1.10
P01-02B	9/8/2010	1.00
P01-03	6/7/2010	0.89
P01-03	9/9/2010	1.10
P01-04A	6/7/2010	1.00
P01-04A	9/9/2010	0.93
P01-04B	9/9/2010	0.98
P01-11	6/6/2010	1.20
P01-11	9/8/2010	1.10
P03-01-2	9/21/2010	1.00
P03-01-4	9/21/2010	1.00
P03-01-6	9/21/2010	1.00
P03-01-8	9/21/2010	0.84
P03-03-2	9/21/2010	1.00
P03-03-4	9/21/2010	1.10
P03-03-6	9/21/2010	0.78
P03-04-2	9/20/2010	1.00
P03-04-4	9/20/2010	1.10
P03-04-6	9/20/2010	0.90
P03-04-8	9/20/2010	0.88
P03-05-2	9/22/2010	0.92
P03-05-4	9/22/2010	0.92
P03-05-6	9/22/2010	0.96
P03-06-1	6/14/2010	0.87
P03-06-1	9/22/2010	1.00
P03-06-2	6/14/2010	0.91
P03-06-2	9/22/2010	0.99
P03-06-3	6/14/2010	0.85
P03-06-3	9/22/2010	0.95
P03-06-4	6/14/2010	1.10
P03-06-4	9/22/2010	1.00
P03-06-5	6/14/2010	1.00
P03-06-5	9/22/2010	1.20
P03-08-2	9/20/2010	1.00
P03-08-4	9/20/2010	1.10
P03-08-6	9/20/2010	1.10
P03-08-7	9/20/2010	0.96
P03-09-2	9/13/2010	
P03-09-4	9/13/2010	
P03-09-6	9/13/2010	
P03-09-8	9/13/2010	
P03-09-9	9/13/2010	
P05-01-1	9/9/2010	1.00
P05-01-2	9/9/2010	1.00
P05-01-3	9/9/2010	1.00
P05-01-4	9/9/2010	1.00
P05-01-5	9/9/2010	0.95
P05-01-6	9/9/2010	0.99
P05-02	6/6/2010	
P05-02	9/8/2010	0.94
P05-03	6/8/2010	1.00
P05-03	9/8/2010	0.95
P05-04	9/16/2010	0.99
P09-C1	6/7/2010	1.10
P09-C1	9/15/2010	0.95
P09-C2	6/8/2010	1.00
P09-C2	9/15/2010	0.98
P09-C3	6/8/2010	0.99
P09-C3	9/15/2010	1.10
P09-ETA1	9/16/2010	1.00
P09-ETA2	9/15/2010	0.89
P09-SIS1	7/25/2010	0.87
P09-SIS1	11/2/2010	
P09-SIS2	6/9/2010	0.85
P09-SIS2	7/24/2010	0.93
P09-SIS2	9/13/2010	0.90
P09-SIS2	11/2/2010	
P09-SIS3	6/9/2010	0.76
P09-SIS3	7/24/2010	0.89
P09-SIS3	9/14/2010	0.93
P09-SIS3	11/2/2010	
P96-6	6/15/2010	1.10
P96-6	9/21/2010	1.10
P96-7	6/11/2010	1.10
P96-7	9/14/2010	0.95
P96-8A	6/9/2010	0.88
P96-8A	9/14/2010	0.91
P96-8B	6/9/2010	0.84
P96-8B	9/15/2010	0.92
S1A	6/9/2010	1.10
S1A	9/14/2010	0.85

Station	Date	Groundwater
S2A	6/9/2010	0.95
S2A	9/14/2010	1.10
S2B	9/14/2010	0.85
SRK04-3A	9/22/2010	0.82
SRK05-ETA-BR1	9/22/2010	0.87
SRK05-ETA-BR2	9/22/2010	0.97
SRK05-SP1A	9/14/2010	
SRK05-SP1B	9/14/2010	
SRK05-SP2	9/14/2010	
SRK05-SP3A	9/14/2010	
SRK05-SP3B	9/14/2010	
SRK05-SP4A	6/9/2010	1.00
SRK05-SP4A	9/13/2010	1.10
SRK05-SP5	9/14/2010	0.92
SRK08-P10A	6/9/2010	1.00
SRK08-P11A	6/9/2010	0.99
SRK08-P11A	9/15/2010	1.10
SRK08-P11B	6/9/2010	1.00
SRK08-P11B	9/15/2010	1.00
SRK08-P12A	9/16/2010	1.00
SRK08-P12B	9/16/2010	1.10
SRK08-SBR2	9/14/2010	
SRK08-SBR3	9/14/2010	
SRK08-SBR4	9/14/2010	
SRK08-SP7A	6/9/2010	0.96
SRK08-SP7A	7/25/2010	0.92
SRK08-SP7A	9/13/2010	1.10
SRK08-SP7A	11/2/2010	
SRK08-SP7B	6/9/2010	0.96
SRK08-SP7B	7/25/2010	1.00
SRK08-SP7B	9/13/2010	1.00
SRK08-SP7B	11/2/2010	
SRK08-SP8A	9/13/2010	1.10
SRK08-SP8B	9/13/2010	1.00
SRK08-SPW1	1/6/2010	
SRK08-SPW1	2/17/2010	
SRK08-SPW1	3/9/2010	
SRK08-SPW1	4/13/2010	
SRK08-SPW1	5/3/2010	
SRK08-SPW1	6/13/2010	1.20
SRK08-SPW1	7/10/2010	1.10
SRK08-SPW1	8/3/2010	1.00
SRK08-SPW1	9/1/2010	1.00
SRK08-SPW1	10/7/2010	1.10
SRK08-SPW1	11/8/2010	1.10
SRK08-SPW2	1/6/2010	
SRK08-SPW2	2/17/2010	
SRK08-SPW2	3/9/2010	
SRK08-SPW2	4/13/2010	
SRK08-SPW2	5/3/2010	
SRK08-SPW2	6/13/2010	0.95
SRK08-SPW2	7/10/2010	0.92
SRK08-SPW2	8/3/2010	0.85
SRK08-SPW2	9/1/2010	0.94
SRK08-SPW2	10/7/2010	1.00
SRK08-SPW2	11/8/2010	0.91
SRK08-SPW2	12/1/2010	0.93
SRK08-SPW3	1/6/2010	
SRK08-SPW3	2/17/2010	
SRK08-SPW3	3/9/2010	
SRK08-SPW3	4/13/2010	
SRK08-SPW3	5/3/2010	
SRK08-SPW3	6/13/2010	0.80
SRK08-SPW3	7/10/2010	0.95
SRK08-SPW3	8/3/2010	0.87
SRK08-SPW3	9/1/2010	0.93
SRK08-SPW3	10/7/2010	0.96
SRK08-SPW3	11/8/2010	0.80
SRK08-SPW3	12/1/2010	0.95
TH86-17	9/9/2010	1.00
TH86-2	9/13/2010	
TH86-5	9/9/2010	1.00
X16A	6/7/2010	1.00
X16A	9/8/2010	0.89
X16B	6/7/2010	1.10
X16B	9/8/2010	1.00
X17A	6/8/2010	1.10
X17A	9/8/2010	1.10
X17B	6/8/2010	1.00
X17B	9/8/2010	1.00
X18A	6/7/2010	1.10
X18A	9/8/2010	1.10
X18B	6/7/2010	1.10
X18B	9/8/2010	1.10
X21-96A	6/11/2010	1.00
X21-96A	9/22/2010	1.10
X21-96B	6/11/2010	1.10
X21-96B	9/22/2010	1.00
X24-96D	6/7/2010	0.93
X24-96D	9/9/2010	0.87
X25-96A	6/7/2010	1.00
X25-96A	9/9/2010	0.96
X25-96B	6/7/2010	1.10
X25-96B	9/9/2010	0.96

Table C-63: Rose Creek Drainage Water Quality 2010 - Ion Charge Balance

Station	Date	Groundwater
X26	5/5/2010	
X26	6/13/2010	0.98
X26	7/10/2010	0.95
X26	8/3/2010	0.85
X26	9/1/2010	0.89
X26	10/19/2010	1.10

Station	Date	Pit Lakes
FL-1	4/30/2010	
	6/16/2010	
	7/14/2010	1.00
	8/12/2010	
	9/8/2010	0.90
FL-15	4/30/2010	
	6/16/2010	
	7/14/2010	
	8/12/2010	
	9/8/2010	0.92
FL-3	4/30/2010	
	6/16/2010	
	7/14/2010	1.10
	8/12/2010	
	9/8/2010	0.92
FL-30	4/30/2010	
	6/16/2010	
	7/14/2010	1.00
	8/12/2010	
	9/8/2010	1.00
FL-5	4/30/2010	
	6/16/2010	
	7/14/2010	1.00
	8/12/2010	
	9/8/2010	0.95
FL-60	4/30/2010	
	6/16/2010	
	7/14/2010	0.99
	8/12/2010	
	9/8/2010	1.10
FL-80	4/30/2010	
	6/16/2010	
	7/14/2010	1.10
	8/12/2010	
	9/8/2010	1.00

